

# **ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**

## **A Brief History**

**1961-2011**

*Nancy C. Flowers, M. D., J. Michael Criley, M. D., Leo G. Horan, M. D.*



## FOREWORD

This history is written by academic cardiologists far more experienced in writing manuscripts describing their investigation in the fields of cardiologic research, clinical cardiology or aspects of cardiologic teaching than in writing histories of organizations. That insight may become blatantly apparent as this work is read, but we sincerely hope that while this limitation may provide a few laughs, especially to the historians in the group, that it will not materially detract from the readers' enjoyment.

The history of the Association of University Cardiologists is inextricably enmeshed with the conversations and correspondence between George Burch and his colleagues throughout the academic community in the early nineteen-sixties. As the initial pages will reveal, his vision, focus, and foresight is reflected throughout. One such example of his foresight is the fact that as early as July 19, 1961, five months after the initial formative *ad hoc* meeting, he suggested to Gil Blount that he begin a history based on the discussions, the correspondence and the meeting's minutes, and especially upon the groups' then fresh memories.

Many don't realize that Dr. Burch had a Guggenheim Fellowship for Research in Cardiovascular Diseases in 1953 and that he was a Rockefeller Institute Fellow from 1939-1941. He served on the Cardiovascular Study Section of the NIH from 1949-1953 and from 1959-1977 and was Chairman in 1953. He was a member of Alpha Omega Alpha and became President. He received the Herrick Award. He was Chairman of the Cardiology Subspecialty Board of the ABIM, and President of the American College of Cardiology to name a few.

This brief history has left out many things that some of the members may feel should have been included. Some were simply not available in the sources we tapped by the deadline for publication. Some were judgment calls. Undoubtedly, some will surface after publication and can be included in the next edition. Thus, we would invite anyone in possession of potentially significant additions to please forward them to the address of the active Secretary in order to be included as the history is updated, as it should be in 5 to 10 years.

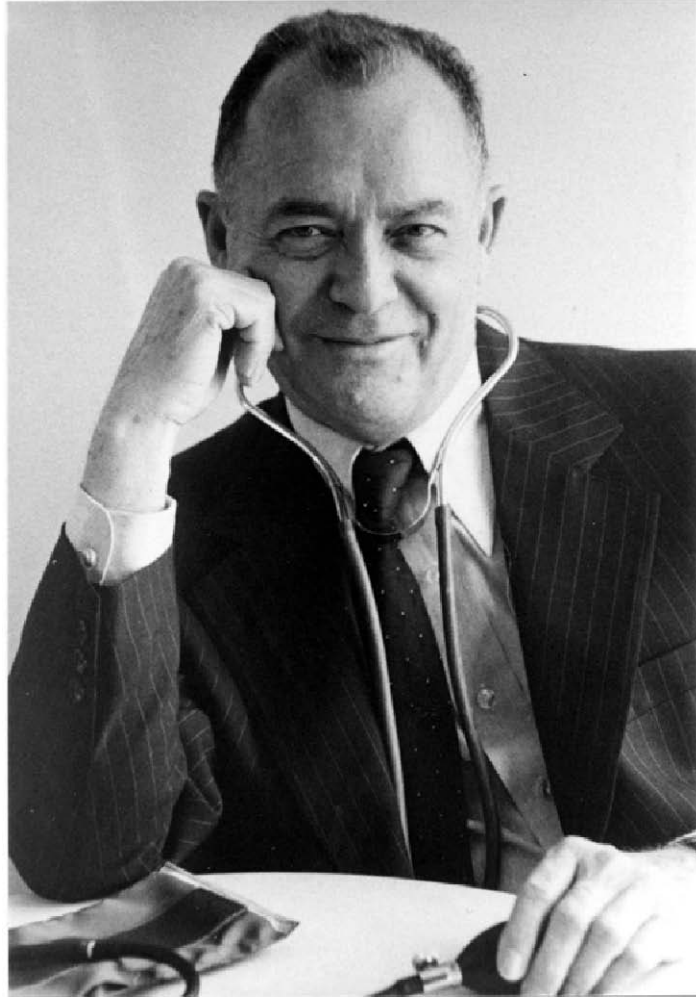
## Acknowledgments

*The authors gratefully acknowledge the invaluable contributions of Vivian Burch Martin, daughter of George E. Burch. She has answered many questions and has graciously given access to her father's files containing the original correspondence to the members of the ad hoc committee and to the founding members, complete with marginal notes reflecting thoughts of Dr. Burch all of which recorded the genesis of the Association of University Cardiologists. She has recently completed a biography of her father which will soon be published and should be of interest to many who knew him. We are grateful to Phyllis Foley, most recent keeper of the AUC Archives, who has provided checks on our memories, discovered additional documents worth including, and has done some of the most tedious work of scanning and recording as well as researching. We appreciate the opportunities we have had to press the memories of some of the founding members and earliest members whom we were able to speak to for valuable information recorded only in the memory banks of each. To each of you who so graciously responded to our call for missing data, we offer our deep appreciation. Extremely valuable were the source materials found in Dr. Robert A. Bruce's summary of the 1961-1967 history and Dr. John Michael Criley's 1968-1987 review, Dr. Howard Burchell's 1981 tribute to Dr. Burch, and the reminiscences of Dr. Ludwig Eichna and Dr. Charles Kossman. Dr. Robert Schlant and Dr. Mario Garcia-Palmieri should be acknowledged for the many pictures they took and sent to various members bringing untold pleasure and wonderful memories through the years.*

## TABLE OF CONTENTS

FOREWORD	2
ACKNOWLEDGMENTS	3
THE BEGINNINGS: 1960-1961 George E. Burch's idea communicated to close academic colleague: <i>ad hoc</i> committee formed, rationale for another society discussed, criteria for membership, purpose of the society, draft of constitution, details formalized, and founding members held first meeting at Barbizon Plaza, New York, to formalize structure	6
THE EARLY YEARS: 1962-1971 First scientific session of the Association of University Cardiologists, Drake Hotel, an initial incorporation, developments leading to meeting site change to Ambassador Hotel, further organization, developments leading to a third meeting site.	11
THE ARIZONA BILTMORE YEARS: 1972-1983 Attendance increasing, ideal location at the time, optional President's program inaugurated in 1978, first Black-Tie Dinner, honoring the founder and celebrating the first 20 years. Re-incorporation as both a non-profit and tax-exempt organization.	13
EAST-WEST ROTATION STARTED 1984-PRESENT Tradition of dinner at Antoine's when in New Orleans, abstract submissions increasing. Programs growing in depth and diversity. Emeritus group started with first Annual Program presented in 2004.	16
POSTLUDE	19
APPENDIX A Earliest Constitution found	22
APPENDIX B Most recent Constitution	26
APPENDIX C Dr. Burchell's tribute to Dr. Burch at first black tie dinner	30
APPENDIX D Past Officers	35
APPENDIX E Founding Members	38

APPENDIX F Current Membership List	39
APPENDIX G Programs of the Association of University Cardiologists	78
APPENDIX H Minutes	184
APPENDIX I Emeritus Programs	387
APPENDIX J Emeritus Minutes	389
APPENDIX K Deceased Members	393



January 10, 1910 - April 15, 1986

No history of this Association should begin without it being clearly stated that George E. Burch, M.D., was the source, the energy, the catalyst and the prime mover in the origin of this organization. The first letter found describing the rationale for "still another organization" and asking for input, was written to Carleton Chapman of Southwestern Branch of the University of Texas Medical School and in George's own words is as follows:

December 7, 1960

Dr. Carleton B. Chapman  
Southwestern Medical School  
Dallas, Texas

Dear Carl:

*I am writing this in confidence for reasons which will be obvious to you. I thought that I would like to have your reaction to this idea first and then approach some other people like Gene Stead (Duke), Charlie Crumpton (University of Wisconsin), Gil Blount (University of Colorado), and a few others around the country to see if they have any interest in the idea.*

*It is my impression that the American Heart Association has become primarily a fund raising program. Scientific aspects are considered a necessary part of the American Heart Association meetings, but the sympathy for such activities as far as the higher offices are concerned is not great. Furthermore, the scientific activities are very diffuse. They are concerned not only with cardiologists, but physicists, mathematicians, physiologists, chemists, and the like. Everybody seems to be "on the bandwagon" at the American Heart meetings. Furthermore, I am very much disturbed by the amount of politics in which the local chapters as well as the national organization are involved. It seems to me that the members of the board, those who are concerned with most of the activities of the local chapters and the national one, are not necessarily academic-minded people. This, of course, is necessarily expected because of the great fund raising aspect of the program.*

*I am aware that there are so many meetings these days that it is almost impossible to attend them all, but when you really think of it there is no meeting for the university cardiologists as a group. They may attend the American Heart Association, Central Society, Federation, Young Turks and other meetings where they are thrown in with a number of other disciplines, which is of course good, but there is a lack of a common meeting ground where university cardiologists can discuss problems with which they are most concerned--clinical research and clinical cardiology.*

*I have therefore been giving some thought during the past ten years as to whether or not it would be a good idea to develop an association of university cardiologists for academic people who are directly connected with universities. In view of the possible value of such an organization, I used the constitutions of the Association of University Surgeons and the Association of University Radiologists and drew up a possible constitution, a copy of which is attached (Appendix A). {ed. note: The most recent version has been positioned in Appendix B for ease of comparison}.*

*It is my opinion that if such an organization were established, its membership would not be very large since most cardiologists are really in practice; there would probably be from 75 to 100 qualified members to begin the association. I would like the group to be*

*very elite and select. The meetings would consist of merely one day or a day and a half and they could circulate around the country. It should not be held in conjunction with any other meeting but should be planned to stand on its own merits. We might even arrange for the American Heart Journal to be the official organ of the association or we may not even be concerned with this. It would be my impression that it would be best to keep the dues extremely low, being only enough to take care of the printing and mailing of notices and programs for the meetings. The cost of the meeting itself could be relatively inexpensive, particularly if we choose a hotel that might provide us with a meeting hall in return for having its members stay within that hotel. Perhaps we could even select a city that is "out of season" to keep hotel costs down.*

*I would certainly like to have your reaction to this, and I ask that you please keep the idea in confidence and say nothing about it. It is quite obvious that if we decide to go further with this we might meet with some obstruction. If you think that the idea is a good one, you might jot down some suggestions as to who might qualify at the very beginning. We might then begin to expand our inquiries in search of other reactions and interests and possibly arrange for an organizational meeting of a few people. There is no hurry about this, but if you like the idea, I think it might be well to get it organized during the first half of next year so that we might have our first meeting during 1961.*

*With best regards and hoping to hear from you soon, I am*

*Sincerely yours,*

*George E. Burch, M.D.*

*GEB:mhs*

Additional letters went out December 17, 1960, in which Dr. Burch continued to discuss his idea for the organization with academic cardiologists including Doctors Noble O. Fowler of the University of Cincinnati, Robert A. Bruce of the University of Seattle, Charles W. Crumpton of The University of Wisconsin, S. Gilbert Blount, Jr., of the University of Colorado, Larry B. Ellis of Boston, and Carlton Chapman of Southwestern Branch of the University of Texas to whom the initial letter was written. This group along with Dr. Burch became an *ad hoc* committee which met at the time of the Central Society at the Drake Hotel in Chicago on February 27, 1961, and with Dr. Burch's initial draft, agreed upon an initial Constitution. It was also agreed upon to approach some more representatives of the academic community to join the *ad hoc* committee members and become Founding members of the Association.

The Founding Members had their first Meeting at the Barbizon Plaza Hotel in New York City at the time of the AMA Meeting on June 26, 1961. Present at this New York meeting included, in addition to Dr. Burch, Doctors Walter H. Abelman, J. A. Abildskov,



Gil Blount, Robert A. Bruce, Carleton Chapman, Ernest Craige, Charles W. Crumpton, Lewis Dexter, Harold T. Dodge, Ludwig W. Eichna, Lawrence B. Ellis, M. Irene Ferrer, Noble O. Fowler, Allan V. N. Goodyear, John S. Graettinger, Robert A. Helm, Herbert N. Hultgren, Thomas W. Mattingly, Walter H. Pritchard, Raymond D. Pruitt, C. Thorpe Ray, George G. Rowe, A. Calhoun Witham, Paul N. Yu and Harry Zinsser. John R. Smith, William R. Milnor and Herbert E. Griswold were also on the list of those planning to be present at the Founder's Meeting, but Dr. Burch's personal copy of the Agenda has them marked as absent.

At the Founder's meeting in New York, Dr. Burch again emphasized the requirement for membership of a full time university appointment, working in the field of cardiovascular diseases, and a vital interest in research, teaching and the training of young physicians in that discipline. He emphasized the importance of a small group, yet with wide geographic representation throughout the academic institutions, and a collegiality bonded by a common interest. As it has turned out, while this would often be the Division or Section Head, such office was not a specified criterion. Application blanks similar to those employed by the Central Society for Clinical investigation and the American Society for Clinical Investigation were suggested by Dr. Burch. It was decided that the Council should meet the evening of the first day to make its final selection of new members, and that there should be a business meeting on the morning of the second day during which the selections would be presented to the membership for vote on confirmation of all or some. The group was in general agreement.

In typical Burch fashion, frugality was emphasized and the dues were kept at \$5 and were raised through the years only modestly (until the present).

Dr. Burch proposed to the Founders the Constitution found in Appendix A. During the discussion of the Constitution, the question was raised by Ludwig Eichna of individuals such as Eugene Braunwald and Howard Burchell, the former at the NIH and the latter at Mayo Clinic, which was not a Medical School at that time. After much discussion a decision which must be described as perfect ambivalence was reached: First, the Constitution was to be adopted and interpreted strictly at least at the present time, yet Drs. Burchell and Braunwald were to be considered on their own merits. A letter later strongly supporting his position in favor of issuing these two physicians an invitation was found in Dr. Burch's files.

Because the Founders were almost all of similar ages, it was decided to recommend that the council accept additional members the first year only to a total membership of 50 to 60 active members. For the ensuing 5 years, 10 members would be selected per year and then the plan was to continue with the basic 100 members until each reached the age of 66 at which time he or she would become emeritus and new active members would be selected, keeping the total membership at 100. To fulfill the goal of keeping the group small enough members can get to know and feel comfortable with each other, the number of active members has been increased through the years to only 125. Emeritus members were and are encouraged to continue coming to the meetings. Members of this group may make presentations but neither hold office nor vote.

A nominating committee was proposed by Dr. Burch for the selection of officers and council members composed of Charles Crumpton, Lewis Dexter and Ray Pruitt. It was decided that officers would consist of a president and a vice president serving a one year term each and a secretary-treasurer serving a three year term. Three council members were to be selected and a rotational basis started by electing one for 1 year, one for 2 years, and a third for 3 years, thus preventing the council from turning over completely. The terms of office along with the Council rotation assures persons well familiar with the organization are always in the position of evaluating the nominations and carrying out the business of the organization in accordance with the Constitution. The tradition of the Secretary at the end of the three year term being nominated as Vice President and the Vice-President being nominated and moving up to President was established and again, this has insured the stability of the leadership of the organization, yet has provided for the introduction of new leadership in an orderly fashion. The nominating committee made their report at the Founder's Meeting and recommended the following slate which was unanimously elected:

*President: George E. Burch*  
*Vice President: Lawrence B. Ellis*  
*Secretary: S. Gilbert Blount*  
*Councilor Franklin Johnson 1 year*  
*Councilor Ludwig Eichna 2 years*  
*Councilor Robert A. Bruce 3 years*

From the inclusion of Dr. Irene Ferrer in the group of Founders, women have been included in the organization. From Dr. Burch's files, it appears that a second woman was considered, Dr. Rejane Harvey, but the inference is that she was not full time in academic cardiology, rather having a significant private practice. This is not entirely clear in the records of the discussion. Subsequently, a few women were elected to membership from time to time. It would be 20 years, however, before the first woman was elected to office, and another ten before the second was elected. This probably is more reflective of the proportion of women in academic cardiology than of pure chauvinism.

Much discussion went on at the Founder's meeting about meeting site and initially the idea of having the meeting at a medical school on rotation was proposed as was the choice of a large city. The time of year was another point of discussion. It was decided to hold the first meeting in Chicago at the Drake Hotel on February 15 and 16, 1962, to confine the meeting to the Hotel. Meetings were to be closed with the exception of those presenting a paper at the invitation of a member. The pattern of beginning on Thursday at 1 PM and continuing through Friday was established. In reading the many letters in Dr. Burch's files, it is apparent how much influence he had on all aspects of this first meeting. He suggested that the program should be very attractively prepared, that all officers and councilors names should be included and the dates and terms of each. He suggested a recess of 10 minutes after the fourth paper on both days. The time of the recess and the elements of the refreshments have gradually expanded.

Dr. Burch brought up the need to incorporate at the Founder's Meeting. Cost of Incorporation was \$250 at that time. Dr. Burch indicated that Henry Stratton of the publishing firm Gruen and Stratton had offered to pay for the incorporation as had the American College of Cardiology. Present at the Founder's Meeting was Dr. Frederick Levy representing the American Heart Association, and he also indicated that the Heart Association would "be only too happy" to pay for the incorporation. Unanimously, the Founding Members agreed that the Society should not incur an obligation to any of the groups and the members should assume that responsibility by each being assessed a proportional amount. The Certificate of Incorporation was finalized and filed in the State of New York with the effective date of June 4, 1962. The organization was designated The Association of University Cardiologists, Inc.

The emphasis on free uninhibited discussion with questions and comments was and is still underscored. The presentations were to be 15 minutes followed by 15 minutes of discussion.



The first meeting, at the Drake Hotel, resulted in an enthusiastic response from the members and subsequent annual meetings continued at that site until 1968. The Spartan amenities at the Drake began to wear on the membership and attendance consequently declined. Fewer abstracts were submitted for presentation and the council recommended changing the venue of the meeting. Thus, the Annual Meeting was moved to the Ambassador Hotel in Chicago.



A political rally next door for Robert F. Kennedy almost drowned out the speakers at the initial meeting at the Ambassador and in spite of much support in the group for RFK, the poor sound proofing of the room presented a problem. In the ensuing years the weather seemed to become increasingly inclement and members were often forced to eat meals in the hotel in spite of Chicago's many fine restaurants. The Ambassador Hotel's indifference reached a new zenith in 1970 when neither a projector nor projectionist was furnished. Paul Yu was deputized to run a hastily obtained projector.

A change of venue to a warmer climate in which the weather was more predictable was discussed. Frank Marcus suggested the Arizona Biltmore in Phoenix.



Under sunny Arizona skies the first meeting was held there in 1972. This magnificent hotel then offered full American plan at about \$60 for a single and \$75 for a double in either the hotel or in a villa for only slightly more. Members began to bring spouses who quite often became friends and the group evolved to become much like a family. Leisure time was possible after the meeting on Friday and for those who cared to spend the weekend, a mini-vacation was possible. Leisure activities such as swimming, golf, tennis, hiking and touring were available. Tea and cookies or petit fours were served in the afternoon to all registered guests who desired to enjoy these amenities, compliments of the hotel. A no-host cocktail party preceded the dinner which was held in the beautiful Gold Room. Gourmet dinners were complemented by live music and dancing.



The cost of the Biltmore still troubled Dr. Burch's frugal persuasions and he went so far as to formally suggest in a letter to the Secretary, Park Willis, the possibility of moving back to Chicago and meeting at O 'Hare at one of the "very nice hotels". In the face of the wonderful January weather and the Camelot that was being enjoyed in Phoenix, needless to say there was not overwhelming support for the idea.

In 1978, during the tenure of Borys Surawicz as president and with Willis Hurst moderating, an optional President's Program on Thursday morning was inaugurated with the abstract presentations and discussion starting as previously at 1 PM on Thursday. Awareness on the part of the membership of the increasing drain of the manpower pool of academic cardiologists motivated the topic, appropriate to the commitment of the group, Training, Maintaining, and Retaining the Academic Cardiologist. Except for the President's Program and its invited guests on Thursday morning, the tradition of a member presenting the work had been established with due credit given to co-authors. Although the meeting has technically remained a closed one, interested spouses have been welcome. Increasingly, some members and spouses began to arrive well before Thursday. As a result, an informal reception hosted by the President was initiated on Wednesday night for early arrivals.

In 1981, the first black-tie dinner was held for the members and spouses, celebrating the first 20 years of the Association, and a scholarly tribute to the founding father of the Association was delivered by Howard Burchell. The full text of this tribute has been included (Appendix C). As one can tell, it was a magnificent blend of a roast permeated with deep respect. Dr. Burch's letter to Dr. Burchell afterward follows in Appendix C.

The attendance soared in the next few years, as did the desire of academic cardiologists to become part of the group.

As the management of the Arizona Biltmore changed, many of the amenities were curtailed, and the hotel evolved into a convention center for large organizations. We competed with Oral Roberts and a First Amendment organization that even lured some of us to its cocktail party. While weather was usually idyllic, rain and flooding did put a damper on the meeting on several occasions. Additionally, because many members in the East, Midwest or South, that is those who were not in Boston, New York or Atlanta, had to have at least one plane change, usually in Atlanta. An unexpected snowstorm closed the Atlanta air port and several others in the East and Southeast at a time the AUC had the largest pre-registration in its history. Some members were stalled along the way and some were not able to start at all. Some arrived the second day of the meeting, but the total number of members attending some portion was less than the large number who planned to come.

The room rates at the Biltmore escalated faster than most academic salaries, rapidly reaching \$180 daily, full American plan. Heated, polarized discussions ensued with two extreme positions. On the one hand an east-west rotation and a less expensive location was desired by some, while others simply wanted to stay at the Biltmore with all of its considerable, although pricey, advantages. However, the high attendance, which continued in spite of the polarization during the discussion, delayed a consensus on alternative meeting sites. During this interim, the Secretary was able to visit a number of prospective sites and obtain tentative bids from some at no cost to the Association.

In 1983, it was recognized with great consternation that the AUC was supposed to have filed tax reports on an annual basis since it was first incorporated in 1962 in the State of

New York, yet none had ever been filed. This prompted the review of the Certificate of Incorporation by Drs. Flowers and Schlant and, with the agreement of the Council, they employed the legal firm Arnall, Golden, and Gregory in Atlanta to review the document, to answer certain pertinent questions, and to make necessary recommendations. It was necessary to re-incorporate in the State of Georgia and this was accomplished October 4, 1983.

Then it became necessary to revise the Constitution in 1983 to be commensurate with the Certificate of Incorporation. In the Certificate of Incorporation the Purpose was stated as: *“to stimulate interest in academic cardiology through as informal exchange of ideas and to advance cardiology as a clinical science by encouraging the pursuit of original research and investigations and by encouraging the pursuit of teaching in university clinics and hospitals”*.

In order to clarify tax status, to achieve tax exemption, which we did not originally have although we were non-profit, and to comply with the Internal Revenue Code, the legal counsel recommended rewording of our purpose. The Council of the Association believed the recommended rewording would not deviate from the original purpose, yet it would meet the legal requirements for our being declared tax exempt: *“The purposes for which the organization is formed are educational and scientific within the meaning of Section 501 (c) (3) of the Internal Revenue Code, including the stimulation of interest in academic cardiology, sponsoring, promotion and dissemination of the results of scientific research in the field of adult cardiology, and the advancement of education by creating an educational forum for singularly outstanding university faculty members holding positions in adult cardiology, and who are recognized as leaders in education and research.”* It was necessary to reword both Constitution and Certificate of Incorporation.

There were many meetings with attorneys Patricia Van Allan and later Richard Hubert, as the wording of the Constitution and the Certificate of Incorporation followed guidelines provided by the IRS for Tax Exempt Organizations. At last on December 9, 1985, we received the final determination letter from the IRS which declared that we are at last a Tax Exempt Organization. We remain a Non-profit Organization as well. Since that time several revisions have occurred in the Constitution, mostly minor and the most recent version is published in Appendix B, following the original one for ease of comparison.

About the time that the east-west rotation was to begin, four or five companies had provided small grants to apply as necessary to the costs associated with the meeting. Along with members' dues and assessments, this was used to defray the expense of invited speakers, the reception and dinner as well as other meeting expenses. The contributing companies had no input into the choice of speakers, nor had they knowledge of the topics chosen for presentation.



In addition to guidance in handling the no filing status and the necessary revisions of the Constitution and Certificate of Incorporation, this provided an opportunity to get advice as to the legal and ethical way to receive grants or donations from pharmaceutical houses or other medically related industry for defraying the costs of invited speakers and general meeting expenses. The lawyer's advice was that as long as it was clearly in connection with a scientific meeting, that it was actually better for a benefactor to provide and plan the reception and meal rather than for us to receive monies directly then apply it to the reception and dinner, although both were, at that time, within legal bounds.

By 1984 the east-west rotation began with the first meeting at the newly opened Sheraton Hotel, Canal Street in New Orleans. Meanwhile, several pharmaceutical firms offered small grants to provide invited speakers' honoraria and other meeting expenses.

The black-tie dinner at Antoine's was a big hit in 1984 and again in 1986 and became a New Orleans tradition. Even though Princess Margaret of England was in the next room with her entourage, we received wonderful service. We were all together again in one big, beautiful room and it was Dr. Burch's last meeting.



Since a western site was being considered, again at Frank Marcus's suggestion, Tucson was selected as the 1985 Western site away from the Biltmore. It was at this meeting that Mike Gorman, then at Marion Laboratories, asked the officers if Marion could provide the reception and dinner.

In 1986, the meeting was again at the Sheraton New Orleans. The hotel had offered very good service, excellent audiovisual support, and reasonable room rates the first



year, 1984, which was its inaugural year. However, when we returned in 1986 the Sheraton seemed to have succumbed to the Ambassador's entropy. The coffee break was delayed, air conditioning malfunctioned, there were distracting sounds and audiovisual snafus occurred. The President suggested that we consider other New Orleans sites if we planned to return in 2 years, and Dr. Berenson, who lives in the city, volunteered to initiate such a survey. He was to be assisted by the Secretary in this effort.

In commenting on the significance of meeting in the hometown of the Founder, the 1986 out-going President made the following brief address: *"Thank you for this honor. I am deeply appreciative of your having me as your President, and it is especially meaningful in New Orleans. Somehow, while others have commented on the old world charm of New Orleans, I must confess I have felt for many years that the "New" of New Orleans was a significant factor in its strength and viability, expressing to me a very real sense of freedom. I believe that to express freedom and to treasure it, one has to be both new and old, new enough and strong enough to defend it, and old enough to be committed in mind and heart to the underlying concept. My wish then for this Association is that it likewise will remain both new and old. With each year's addition of new memories to old, of the mixing of new academic leaders with old, that its hallmark of lively, free discussion will be preserved, opening up new ideas and illuminating old wisdoms. We cannot help standing next to the fulcrum of change, but we can value the happy context of this Association, which by its special way of mixing new and old, provides us with a perspective for enduring the change."*

The 1987 meeting was held at Quail Lodge in Carmel Valley, California, and represented the farthest move west for the AUC. As Dr. Burch had died in 1986, the meeting was dedicated to him as well as to the 25<sup>th</sup> Anniversary of the Association of University Cardiologists. The Thursday morning session provided a venue for the George Burch Memorial Lecture which was delivered by one of his former students, Dr. Henry Blackburn, a guest of the Association. The black-tie dinner was held at the Monterey Aquarium on Cannery Row. Dr. Robert A. Bruce reviewed the early history of the Association from 1961-1967, Dr. John Michael Criley, President of the Association, reviewed the history from 1968-1987. Much of both of these contributions have been included in the present history. Excerpts from a September 2, 1986, letter of Dr. Ludwig Eichna and the text of a communication entitled Remembrances of George E. Burch, M. D., by Dr. Charles Kossman, were included in the program.

The practice of site rotation has continued with the apparent approval of the group measured by high attendance of members who often are accompanied by spouses. The programs seem to grow in depth and diversity and the topics are often at the forefront of today's scientific frontier delivered by the leaders of that spearhead. There may appear to be more basic science emphasis and less clinical emphasis than in the beginning but then consider that the knowledge base of cardiology has mushroomed during the past 45 years, and undoubtedly this is being reflected in the program content. However, many members' perceptions of a need to maintain a true balance are reflected in a number of personal letters to this effect found in Dr. Burch's files.

The number of active members remains unchanged, but just as America's population is aging, the Emeritus (Emeriti) group of the AUC is both aging and growing in number. Many have become close friends through the years. Large representations from this group are still active and attend the Annual Meeting of the Association. However, with a keen awareness of the rapidly changing face of the practice of cardiology, cardiologic research, and the training, especially, of the academic cardiologist, informal discussions were held considering the possibility of organizing an Emeritus Annual Meeting to provide a forum for discussing such matters. This meeting would center on various aspects of the rapidly changing stage the academic cardiologist finds himself acting out his career role on. In articulating a purpose for the Emeritus Meeting, it was emphasized that the presentations would not be mini-scientific sessions, thus replicating the program of the AUC Meeting. Rather, the Emeritus Meeting would provide a forum for discussion of current problems confronting the academic cardiologic community. This setting would capitalize on the memberships' long and broad experience in teaching, research, practice, and administration. This meeting would precede the regular meeting and both members and spouses would be invited. Arnold M. Weissler (Arnie) first proposed such a possibility to the membership in the business meeting in 2002. There was much discussion, and point and counterpoint in evidence. The discussion was concluded with the suggestion that a formal proposal be brought before the Council. The Council subsequently received a letter from Drs. Weissler and Gerald S. Berenson outlining needs and assuring that the group would be responsible for any additional costs. The proposal was presented at the 2003 business meeting, discussed, voted upon by the membership and passed.

The first program, in 2004, was structured as a forum for discussing two major contemporary problems in cardiovascular medicine. Leo G. Horan presented the introduction of the topic "How Can We Retain Personalized Care in an Era of Technological and Financial Dominance? (The Doctor-Patient Connection)". Richard P. Lewis introduced the topic, "Can We Preserve Clinical Cardiology in the Face of Divisive Contemporary Pressures? " The high level of interest was reflected by the discussion that followed the presentations and was participated in by almost all present. The Emeritus Group has thrived, and a number of the active members attend their sessions as well as those who have reached Emeritus age and their spouses. The group will have its 5<sup>th</sup> Annual Meeting in January of 2008.

Thus, the Association of University Cardiologists has remained remarkably representative of the truly academic cardiologist. It remains faithful to its original purposes but has evolved just as the discipline of cardiology has evolved. The organization, therefore, is both dynamic and remarkably stable.

## POSTLUDE

### Final Words About the Founding Father

No individual who knew George Burch well was ever lukewarm in his appraisal. Between respect and affection at one pole, and distrust and antipathy at the other, there was no middle-of-the road position. Some stayed at one end while others hopped back and forth between extremes depending on the circumstances. It would be a shame indeed not to include some lighter stories as well as a final glimpse of George Burch on his last day along with this history.

From a former Fellow of Dr. Burch's: George was convinced well before the vast literature on the subject developed that television was a hazardous distraction to the growing mind of the child. He arranged for the set in his house to be placed in the attic where the viewers could sit on carpet rolls for viewing which precluded the development of little Burch couch potatoes. As a further precaution, he asked his machinist and technician, Ralph Millet, to run a diversion to the power line from inside the set down through the attic floor into George's and his wife's bedroom where he could silence the TV should the occasion require it. Once, when George asked Abbie (J.A. Abildskov), a senior fellow at the time, and me to come over to his house after supper to work on a paper that we were writing together, he noticed Abbie looking at his watch. He asked him if he had somewhere else to be, and Abbie replied, "No, I just remembered about the big boxing match that comes on at 8 o'clock." George looked at his own watch and said, "Well, we can't take a break long enough for that. Would you like a beer or a coke?" Abbie and I both opted for the beer and George added, "I believe I'll have one, too." As Abbie and I climbed ahead up the attic stairs, Abbie whispered to me, "He won't." Sure enough once we were seated on the carpet rolls, Vivy, his wife, called upstairs to George, "Three beers?" "Yes," George said, "No, make mine a coke!." Abbie grinned and later told me, he always did that, and Vivy, his wife always played her part. He just did not like beer as well as coke but didn't want to make guests, especially those he taught, to feel awkward.

In a few minutes we were watching the fight. George kept up a steady stream of advice to the challenger including the frequent admonition, "Give him the old uppercut." After the fight, when his man lost, George shook his head, "Jack Dempsey would have used the old uppercut!" On the way home, Abbie confided, "You probably guessed it, but Jack Dempsey is one of George's heroes."

One of the puzzles George Burch left us with is the question as to where certain terms used originally or mainly by him came from. Here are two examples: First, in his Primer In Cardiology he referred to the secondary aortic area as Erb's Point. The medical dictionaries describe Erb's Point as a stimulation site just above the clavicle in front of the transverse process of the 6th cervical vertebra. A number of us searched, using all sorts of sources and came up empty handed. Finally one brave soul, not me, reported to George what we found. He only replied, "Well, I didn't just make it up!" A second

example is George's term for junctional rhythm, presumed to be arising from below the AV node yet above the bifurcation of the bundle branches. Long before His bundle recording in the intact animal and man was reported by Ben Scherlag, George referred to the electrocardiographic pattern as "Hiss I rhythm". George's response to query on the term was "Well, that's what it ought to be called."

In the course of a thaw in the 1950s, the Soviet Union invited George Burch as one of its first Western physicians to visit and share scientific medical information. George was pleased because he so strongly believed in Science as a medium of communication between interested persons anywhere in the world. However, the State Department representatives cautioned him that he would likely be pumped by the Russians for sensitive information and that when he returned the State Department would be very interested in what he learned. George said he was ready to go talk about medical science but he was no spy. He was reassured but reminded that the Russians would be very interested in every bit of information they could extract from him. When George told all this to Thorpe Ray (another Founding Member and faculty member at Tulane) Thorpe said "George, you know how they start toasting as soon as you sit down to eat." George said, "I won't drink any alcohol. I'll tell them it's against my religious beliefs." I'll toast with water." Thorpe said, "George, you won't even know! You have never been exposed to vodka. It's odorless, tasteless and colorless. You won't be able to tell it from water." (Thorpe got his greatest pleasure out of teasing George. He knew George was almost a teetotaler, if not from religious reasons, by choice. His idea of alcohol was beer or bourbon.) George was obviously shaken, he blurted, "I'll just stick to fresh fruits and vegetables!" Leo Horan

Another person just out of internship at the time writes: Although I did not meet George Burch in person until sometime in 1967 or 1968, I understand many of you may view George as an arch conservative, either from personal acquaintance or academic gossip. I'm not so sure. At a time when it was almost impossible for a woman to have a house staff position at Tulane University and Charity Hospital in New Orleans, he offered me a position. The circumstance leading to this unexpected offer and I might add, un-taken-advantage-of offer was that right out of an internship, I called him on the phone to ask him a question about plethysmography. I was too naïve to know that fresh-out interns did not just telephone departmental chairmen. I had just finished reviewing the world literature on the subject and it seemed that he had written a lot of it. Too, along with Travis Windsor, he had developed, patented and sold the plethysmograph I was supposed to use in a summer research experience at Duke. He did not answer my question; he just offered me a job. I'm sure he knew the answer, but he must have thought that I was dreadfully naïve, that I badly needed hands on instruction, and I am sure he was right on both counts. However, he was courteous, did not make me feel dumb or that he was rushed and seemed glad to talk at length with me. I liked him a lot thereafter and had a wonderful chance to sit at the table with George and his wife at his last AUC meeting, shortly before he died. We had just gone through a trying time with a for-profit company taking over our medical school hospital and clinics. As a result the academic ball game was drastically and suddenly changed as well as our ability to accept indigent patients who were highly dependent on the

University for their care. We decided to leave. George became aware of this in some way unknown to me. He looked across the table at Leo Horan and me and simply said, "By the way, you did the right thing." It is funny, but we knew exactly what he had reference to, for little else had been on our minds for some time. That approval meant a lot to two people who were struggling with a painful decision.

As to the conservatism: we all must remember that George had gone through, without succumbing, to the era of pouderage where bone dust was sprinkled into the pericardium in the hope that collaterals could be developed. This was followed by many modifications of the Beck procedure in which talc was used or other irritants allegedly to stimulate collaterals. He saw hypothyroid therapy for angina come and go and stimulation devices the patient could trigger to provide counter stimulation when angina pectoris hit.

As far as cardiovascular bypass surgery went, he moved from a position of utter skepticism to interested questioning, but perhaps little further. He had severe chest pain in his laboratory, called his brother, Bob Burch, also a cardiologist in New Orleans, to come take him home. His brother tried valiantly to persuade George to let him initiate the wheels of appropriate care to no avail. It was clear that they both knew exactly what was going on. George simply wanted to go home. He specifically told his brother, "I just want to go home. I don't want any lines in". Nancy Flowers

## APPENDIX A

A retyped copy of the earliest Constitution found in Dr. Burch's personal files dated 3/7/61 reflecting the discussions at the Founder's meeting, e.g., note dues are \$10.00 instead of \$5.00.

### CONSTITUTION

#### ARTICLE I

*The name of the organization shall be THE ASSOCIATION OF UNIVERSITY CARDIOLOGISTS*

#### ARTICLE II

*The purpose of the organization shall be:*

- A. *To stimulate interest in academic cardiology through an informal exchange of ideas.*
- B. *To advance cardiology as a clinical science by encouraging the pursuit of original investigations and teaching in university clinics and laboratories.*

#### ARTICLE III (Membership)

Section I. Membership requirements shall be as follows:

- A. *An individual under 66 years of age who occupies a full-time university faculty position in adult cardiology and/or who has major clinical teaching and research responsibility in a medical school of the United States and who has shown outstanding ability and promise in academic cardiology may be nominated for membership in the Association.*
- B. *Above the age of retirement at his university an individual shall become an emeritus member and shall not vote, hold office or be required to pay dues.*

Section II. Procedure for nomination.

- A. *A proposal for membership signed by two members (active or emeritus) of the Association must be filed with the Secretary-Treasurer at least three months before the meeting at which the candidate will be considered.*
- B. *At the same time the Secretary-Treasurer should receive the candidate's curriculum vitae and bibliography along with a letter from a prominent member of the university*

Section III. Procedure for recommendation. *Nominations for membership will be reviewed by the Council which will conduct any additional investigations of the candidates that*

*seem appropriate before making recommendations for circulation to the active membership prior to the annual meeting.*

Section IV. Procedure for election. *The election of members shall be carried by secret ballot at the annual meeting. The affirmative vote of three-fourths of the active members present and voting will constitute election to membership.*

Section V. Termination of membership.

- A. *An active or emeritus member who relinquishes his full time faculty position in a university division of cardiology must inform the Association of his change in status and submit his resignation.*
- B. *The Council shall recommend to the Association that any member be dropped from the roster who habitually fails to attend meetings or for any other just cause.*
- C. *The Active membership shall be limited to one hundred.*

#### ARTICLE IV

*The honorary members of this society shall be nominated by the Council and elected by the Association. They will not be required to pay dues and shall enjoy all privileges of other members except those of voting and holding office.*

#### ARTICLE V

*The officers of the association shall be a President, a Vice-President, a Secretary-Treasurer and three Counselors.*

Section I. *The officers of the Association shall be elected for a term of one year by a vote of the majority of the active members present and voting at the annual meeting.*

Section II. *Only the Secretary-Treasurer and the three Counselors may succeed themselves and then only for three years.*

Section III. *Vacancies occurring in the offices of the Association shall be filled by the President's appointee until the next meeting.*

#### ARTICLE VI

Section I. *It shall be the duty of the President to call and preside at all meetings of the Association and the Council, select the program for the annual meeting and appoint committees. The President shall approve the proceedings of each meeting.*

Section II.     *In the absence of the President, the Vice-President shall preside and carry out all duties of the President.*

Section III.     *It shall be the duty of the Secretary-Treasurer to keep a record of the proceedings of the meetings and to preserve all books, papers and articles belonging to the Association. He shall keep an up-to-date address list of the members of the Association and send out notices if the meetings. He shall report unfinished business of previous meetings which requires action and attend to other business as the Association directs. He shall supervise the correspondence and fiscal affairs of the Association and present the annual financial report. It shall be his duty to collect the dues of the Association. In the absence of both President and Vice-President he shall preside and carry out the duties of the President at the annual meeting.*

Section IV.     *The President, Vice-president, Secretary-Treasurer and three Counselors shall constitute the Council of the Association. The Council shall have the administrative responsibilities of the Association. It shall consider applications for membership, date and place for the meetings, dues, publications and any other functions of the Association. Except in emergencies the Council shall submit its recommendations for the final action by vote by the Association. Except for election to membership, a majority vote of the Association is required for a final decision. Three members of the Council shall constitute a quorum.*

## *ARTICVLE VII (meetings)*

Section I.     *Meetings will be held annually at a place and time determined by a vote of the active members present and voting at the previous annual meeting.*

Section II.     *Programs will be arranged and circulated before the meeting.*

Section III.    *Time will be allowed for free discussion in the meetings.*

## *ARTICLE VIII*

*Changes in the Constitution and By-Laws shall be made upon recommendation of the Council and confirmed by majority of all the active members.*

## *ARTICLE IX*

*Nominal membership dues shall be charged and will be due and payable to the Secretary-Treasurer after the announcement of the annual meeting is received.*

## *BY-LAWS*

### *ARTICLE I*



*The members present at the annual meeting shall constitute a quorum for business.*

## ***ARTICLE II***

*The usual parliamentary rules governing deliberative bodies shall govern the sessions of the Association.*

## ***ARTICLE III***

*The annual dues shall not exceed ten dollars.*

## **APPENDIX B**

Most recent revised version of the Constitution

### **ARTICLE I.**

The name of the organization shall be the **ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INCORPORATED.**

### **ARTICLE II.**

The purposes for which the Association is to be formed are educational and scientific within the meaning of Section 501(c)(3) of the Internal Revenue Code, including the stimulation of interest in academic cardiology, sponsoring, promotion and dissemination of the results of scientific research in the field of adult cardiology, and the advancement of education by creating an educational forum for singularly outstanding university faculty members holding positions in adult cardiology and who are recognized as leaders in education and research.

### **ARTICLE III. Membership**

**Section I.** Membership requirements shall be as follows:

An individual under sixty-six (66) years of age who occupies a full-time university faculty position in adult cardiology, who has major clinical teaching and research responsibilities in a medical school of the United States, and who has shown outstanding ability and promise in academic cardiology may be nominated for membership in the Association.

After fifteen (15) years of Active membership and on reaching the age of sixty (60), a member may request transfer to Emeritus status. On reaching the age of sixty-five (65), an individual shall become an Emeritus member. Emeritus members may attend meetings, propose new members, submit abstracts and make presentations, may serve on any committee, but may not hold office, and may not vote.

Under certain circumstances as outlined in Section V, Inactive membership shall be considered by the council upon application from a member. Inactive members may attend meetings, may propose new members, must pay dues, may not hold office, may not vote, may not submit abstracts or make presentations, and may not serve on standing committees.

**Section II.** Procedure for nomination:

A proposal for membership, signed by two (2) members (Active or Emeritus) of the Association, must be filed with the Secretary-Treasurer at least three (3) months before the meeting at which the candidate will be considered.

At the same time the Secretary-Treasurer should receive the candidate's *curriculum vitae* and bibliography and a letter from a prominent member of the university faculty, describing his/her past and present activities, as well as his/her future promise.

**Section III.** Procedure for election:

Nominations for membership will be circulated to the entire membership for comment prior to review by the Council, which will then make recommendations to the Association.

#### **Section IV. Procedure for election:**

The election of members shall be carried by secret ballot at the annual meeting. The affirmative vote of three-fourths (3/4) of the Active members present and voting will constitute election to membership.

#### **Section V. Change in status or termination of membership:**

- A. An Active member who no longer holds a full-time university faculty position in academic medicine must inform the Association of his/her change of status. He/she may apply for Inactive membership or submit his/her resignation. In the event of an application for Inactive membership, if the applicant has attended at least one meeting and presented an abstract, the Council may then recommend to the membership a change of status to Inactive category. In circumstances in which an Active member moves into an administrative position within a university setting, but outside of cardiology, application for Inactive membership may be entertained by the Council if the member neither wishes to remain Active, nor wishes to submit his/her resignation.
- B. The Council shall recommend to the Association that any member be dropped from the roster for failing to attend three (3) consecutive meetings or for any other just cause.

#### **Section VI. Number of Active members:**

The Active membership shall be limited to one hundred twenty-five (125).

### **ARTICLE IV.**

The Honorary members of the society shall be nominated by the Council and elected by the Association. They will not be required to pay dues and shall enjoy all privileges of other members, except those of voting and holding office.

### **ARTICLE V.**

The officers of the Association shall be President, Vice President, Secretary-Treasurer, and four (4) Councilors.

#### **Section I.**

The President and Vice President of the Association shall be elected for a term of one (1) year by a vote of the majority of the Active members present and voting at the annual meeting.

#### **Section II.**

The Secretary-Treasurer and the three (3) Councilors shall be elected for three (3) years and may not succeed themselves. The President shall be the fourth Councilor for a term of one (1) year immediately following his/her year as President.

#### **Section III.**

Vacancies occurring in the offices of the Association shall be filled by the President's appointee until the next meeting.

## **ARTICE VI.**

The duties of the officers are as follows:

### **Section I.**

It shall be the duty of the PRESIDENT to call and preside at all meetings of the Association and the Council, select the program for the annual meeting and appoint committees. The President shall approve the proceedings of each meeting.

### **Section II.**

In the absence of the President, the VICE PRESIDENT shall preside and carry out all the duties of the President.

### **Section III.**

It shall be the duty of the SECRETARY-TREASURER to keep a record of the proceedings of the meetings and to preserve all books, papers and ARTICLES belonging to the Association. He/she shall keep an up-to-date address list of the members of the Association and send out notices of the meetings. He/she shall report unfinished business of previous meetings which require action and attend to other business as the Association directs. He/she shall supervise the correspondence and fiscal affairs of the Association and present the annual financial report. It shall be his/her duty to collect the dues of the Association. In the absence of both the President and Vice President, he/she shall preside and carry out the duties of the President at the annual meeting.

### **Section IV.**

The President, Vice President, Secretary-Treasurer, and four (4) Councilors shall constitute the COUNCIL of the Association. The Council shall have the administrative responsibilities of the Association. It shall consider applications for membership, dates and places for the meetings, dues, publications and any other functions of the Association. Except in emergencies, the Council shall submit its recommendations for final actions by vote of the Association. Except for election to membership, a majority vote of the Association is required for final decision. Four (4) members of the Council shall constitute a quorum.

## **ARTICLE VII. Meetings:**

### **Section I.**

Meetings will be held annually at a place and time determined by the officers and Council.

### **Section II.**

Programs will be arranged and circulated before the meetings.

### **Section III.**

Time will be allowed for free discussion in the meetings.

## **ARTICLE VIII.**

Changes in the Constitution and By-Laws shall be made upon recommendation of the Council and confirmed by majority of all the Active members.

## **ARTICLE IX.**

Nominal membership fees shall be charged and will be due and payable to the Secretary-Treasurer after the announcement of the annual meeting is received.

## **ARTICLE X.**

The Association is organized and shall be operated as a non-profit corporation, shall not have power to issue certificates of stock or to declare or pay dividends, and shall be operated exclusively for the purposes enumerated in ARTICLE II hereof. No part of the net income or net earnings of the Corporation shall inure to the benefit or profit of any private individual, firm, or corporation.

Upon the dissolution of the Corporation, the Board of Directors shall, after paying or making provisions for the payment of all of the liabilities of the Corporation, distribute all of the remaining assets of the Corporation exclusively for the purposes of the Corporation or for a similar public use or purpose, to such organization or organizations organized and operating exclusively for scientific or educational purposes as shall at the time qualify as an exempt organization or organizations under Section 501(c)(3) of the Internal Revenue Code of 1954 as the same shall then be in force, or the corresponding provision of any future United States Internal Revenue Law, or to the United States of America, the State of New York, or a local government within the State of New York, as the Board of Directors shall determine or in the absence of such determination by the Board of Directors, such assets shall be distributed by the Supreme Court of the State of New York to such other qualified exempt organization or organizations as in the judgment of the Court will best accomplish the general purposes or a similar public use or purpose of this Corporation. In no event shall the assets of this Corporation, upon dissolution, be distributed to a director, officer, employee or member of this Corporation.

The dissolution of this Corporation and any distribution of the assets of this Corporation incident thereto shall be subject to such law, if any, then in force as may require the approval or consent thereto by any Court or Judge thereof having jurisdiction or by any governmental department or agency or official thereof.

## **BY-LAWS**

### **ARTICLE I.**

The members present at the annual meeting shall constitute a quorum for business.

### **ARTICLE II.**

The usual parliamentary rules governing deliberative bodies shall govern the sessions of the Association.

### **ARTICLE III.**

The annual dues shall be set by the Council.

Revised 2/83; Revised 2/84 (corrected); Revised 2/92 Printed January 2, 1995; Electronically stored February 1, 1999; Revised 2/03, Printed March 14, 2003; Revised 2/05 Printed March 15, 2005; Printed March 21, 2006. Because this is the first edition of the history of this organization, the authors would like to include in the appendix, additional items which were thought to be appropriate and possibly of interest (Appendices C-F).

## APPENDIX C

Dr. Howard Burchell's Tribute to Dr. Burch at First Black Tie Dinner January 22, 1981

Dr. Haber, Dr. Schlant, other members of the Association of University Cardiologists, distinguished consorts. I have been requested to introduce the real Dr. George Burch to you – I think your president chose to offer me this honor as the oldest of his contemporaries here. Dr. Burch has admonished the profession: “We must be forever free to speak openly on all issues, always avoiding personalities.” I submit that the beliefs and actions of members of our profession and of the world at large are more related to the interpretations and conclusions of an authority than to the independent assessment of that authority's data. Thus, an issue cannot be divorced from the personalities of those debating that issue. Leaders are often those who can sell their data or, more likely, their conclusions.

Within the confines of this group, staunch admirers and friends of Dr. Burch, can I, in the spirit of fun and with due propriety, pose for him some personal questions? Does he assume a nonconformist position (sometimes conservative, occasionally radical) just for the joy of it, and has he written some of his annotations with “tongue in cheek?” or in Dodgson's phrases, maybe “He only does so to annoy and because he knows it teases.” Before proceeding to mention some of his editorial peregrinations calculated, I have judged, to shock us out of any ready equanimity with our present knowledge, let me emphasize to you that my communications my best effort to produce a sincere encomium. As a datum in support of an universal acclaim of his teaching and investigation, in the Science Citation Index of 1979 the name of George E. Burch occupies 2 full columns (in the 5-year accumulation Index 8 columns) and I assert that this index utilizes record small sizes of type—one needs a magnifying glass to read the entries. Incidentally, in his Primer of Cardiology, a rather neglected book, he promulgated coronary spasm as the main cause of the anginal syndrome. Why so many would-be medical historians overlooked the opinions of the clinicians over the years I do not know”

My colleague, Dr. Henry Blackburn as an undergraduate at Tulane, remembers Dr. Burch as the most inspiring bedside teacher that he had ever encountered, and I believe this viewpoint has been universally shared by his students. Dr. Abildskov, who particularly regrets that he could not be here tonight, is another who has emphasized Dr. Burch's eminence in teaching to me and, in addition, points out that Dr. Burch was one who opened the doors of the research laboratory to many students.

The young cardiologist, he or she of any age, who has not known Dr. Burch personally, I expect would pin the label of a rank “conservative” on him. Doubt Dr. Burch would like this. To be facetious, there is the rumor, however, that our council labored mightily last night about the question whether they would recommend that the name of this association, in honor of its main founder, be changed to that of The Burch Society. Even in this politically conservative year, I reckon that Dr. Burch would not imagine his wishing any change except possibly dreaming of the name of Galileo or Harvey.

Dr. Burch's birthday is recorded as January 10. Therefore, we should be allowed to celebrate tonight the 71<sup>st</sup> anniversary of his birth. I have not investigated how conservative his Louisiana parish may have been. Can we wildly dream that it gave him that date January 10<sup>th</sup> using the ancient calendar of Julius Caesar, ignoring that corrected calendar developed under Pope Gregory XIII? This Gregorian calendar was adopted by England and its colonies only about 240 years ago. When it happened in Louisiana, I do not know. By a flight of fancy in our dream maybe we could pretend to bring the conservative Dr. Burch up-to-date on the calendar, add 12 days, and extol his praises on his true birthday: tonight. Parenthetically, another great American innovator of thought, Ben Franklin, had his birthday changed from January 6<sup>th</sup> to January 17<sup>th</sup>. Here, however, I can give you contrasting viewpoints. Ben thought a marriage could be practical and arranged logically. Sam Threefoot states that Dr. Burch advised him that the solution to his problem was to get married, but that “*You cannot evaluate love and marriage scientifically.*” Threefoot reports he got married. The bottom line of his reminiscences was, “*Dr. Burch was right. There is nothing scientific or logical in marriage.*”

Possibly some of you may not know that as a young man Dr. Burch did leave Louisiana where he was born and educated to his medical doctorate to work at the Rockefeller Institute for two years, 1939-1941. Need I remind you that such an honor would not occur without proofs of intelligence, educational attainment, and industry. He is mentioned for his work in the 1941 report of the President of the Rockefeller Institute. Here he had insight into the molecular basis of sickle cell anemia, presaging the work of Linus Pauling. He thus joins another American cardiologist, James Herrick, as one of the original contributors to the nature of this disease. His interest was also kindled there in "insensible perspiration" and he continued his investigation in this area upon return to Tulane. Travis Winsor reminisces in "Life with George" that he and his wife were inveigled into the devious paths of resurrectionism, being involved in spiriting corpses in the dead of the night from the morgue through the tunnel and elevator to Dr. Burch's laboratory.

It was in 1959 that Dr. Burch took over the editorship of the **American Heart Journal**. This publican was one that some in the American Heart Association possibly expected, or even hoped, to fail, following the estrangement of its publisher and the American Heart Association in 1950, when the Association established its own Journal, **Circulation**. The **American Heart Journal** survived under Dr. Meakins as Chief Editor and Dr. Burch as Associate editor. In 1959, within a year of becoming the chief pilot, or editor, of the **American Heart Journal** Dr. Burch organized an International Editorial Board, but the increasing number of editorials and annotations which appeared and enlivened the journal over the past twenty years, identified the main force behind the Journal's vitality as that of Dr. Burch. I shall enumerate some of the titles of the editorials shortly. Many display wit and whimsy of Dr. Burch, with topics which one might even expect to encounter on the announcement boards of churches for the Sunday sermons. Based on Dr. Burch's slew of editorials he can be called another 'autocrat of the breakfast table.' Possibly he became afflicted with the same disease as Oliver Wendell Holmes, who made the diagnosis on himself of a peculiar form of lead poisoning, "No form of lead poisoning which more rapidly and thoroughly pervades the blood, bones and marrow than that which reaches the young author through mental contact with type metal." Thus he had an increasingly overpowering compulsion to write! There can also be similarity drawn between the two: Holmes, born in Cambridge, had one excursion to Paris then returned to settle down, immovable, in the Boston scene. Burch, born in Edgard, in the New Orleans area, had one excursion to New York, then returned to become an established permanent figure in his New Orleans. However, Dr. Burch's travels to work congresses, World Health Organization meetings, National Heart Council meetings and many other societies have exceeded Dr. Holmes' travels outside Boston a hundredfold. What a temptation to ask Dr. Pruitt to organize a contest for the best limerick about a man named Burch who came from New Orleans.

However, next let me present a proposition to this audience. Maybe I could direct it specifically to prior colleagues on the Subspecialty Board of Cardiovascular Diseases: Dr. Hurst, Dr. Fowler, Dr. Craige, Dr. Hall, and Dr. Hultgren. In our years of association on the Board, whenever a question was offered for consideration for inclusion on the subspecialty examination, usually a donnybrook ensued. Was it fair? Was it ambiguous? Was it properly discriminatory between the superior and inferior candidates? Did it favor only candidates from certain centers?

How would you all judge the following multiple choice questions?

1. "The name of Dr. George Burch is closely associated with all the following items in cardiology except one. Which one?"
  1. A tetrahedron
  2. Mitral valve function
  3. Laplace's Law
  4. Viral afflictions
  5. Neurogenic changes in the ECG
  6. Coronary Artery bypass surgery ---Too easy?
2. "When a cardiac glycoside is to be prescribed, Dr. George Burch, in several editorials, has claimed

superior efficacy for one of the following?

1. Oubain
2. Squill extract
3. Digitalis Leaf
4. Digitoxin
5. Digoxin
6. Gitoxin
7. Cedilanid ---Too involved?

As a writer, Dr. Burch has contributed much. For me, a particularly useful and enjoyable scholarly historical publication, which is becoming a collector's item, is a favorite. This was written with Dr. De Pasquale and is entitled: The History of Electrocardiography. Possibly this gem could have been overlooked by some in the new generation of cardiologists. My advice: Watch for it. It is a shrewd investment or a good present for an exceptional cardiologic trainee, and I adjure you to use your influence on George to bring out a new edition.

Possibly sometime one of you might see Dr. Burch sitting alone in a seemingly contemplative mood, and, wishing to approach him to learn more of his thoughts; you could be at a loss for an initial conversational gambit. The latter would not be so if you had in your mind a figurative tickler file listing the subjects of Dr. Burch's annotations. One could skip through the titles choosing one or another for either its lightness or heaviness or one's particular feelings concerning the appropriateness of the title for a contemporary event. Here is a sampling of such a possible list:

of walking into the ocean  
of bellyache  
of soup  
of teaspoons, tablespoons and droppers  
of thinking  
of one mind  
of peer review  
of generic medical bottles  
of now cardiac imaging  
of now, the treadmill  
of the rocker  
of the electrocardiogram of the Drosophila  
of the influence  
of beer on the myocardium of mice  
of keeping your legs up  
of hemiblock propaganda  
of controls  
of the United States Government  
of history taking and physical examination  
of pork and hypertension  
of what death is like  
of sick people's food  
of blood letting  
of one doctor  
of solo practice  
of technocrats or doctors  
of the Constitution  
of jogging  
of why this is interesting of why the heart's pumps are united to form one heart  
of venture research



As a parlor game with audience participation, I thought what it would be like to have some of these titles on slips of paper mixed with a few blanks, the ask members of the Association to draw one blindly from a hat and give a 3-minute critique.

We are to hear from Dr. Burch later in the evening. Will he construct for us further dilemmas? Will he appear as the serious historian of medical progress as mirrored in his detailed paper on the Contributions of the Biological Sciences to Human Welfare, Clinical Medicine, published in the Federation Proceedings in 1972? In this, incidentally, he gave credence to the value of coronary artery bypass surgery. In contrast, maybe he will tell us in a delightfully enigmatic way of some fads and trends or technological threats to the best relationship of doctor and patient, akin to that annotation wherein he teases us by a comparison of internal mammary ligation to bypass surgery, seeming endorsing an alleged equality in the improvement in the equality of life from either procedure. I think we can expect something which reflects his in dependence of thought. When he wrote his longer-than-usual editorial "On conformists" (indeed writing of the antithesis of this), he was certainly not identifying himself as belonging in the category of the "conformity crowd."

In my hope and anxiety to enliven a scientific portrait of George Burch as a doyen of world cardiology have I overstepped the bounds of civility? If any amongst you would be moved to prefer charges against me with the specification of frivolity and move for initiation of a summary trial, I shall implore Dr. Charles Kossman to be my counsel and plead my case. In years past, I remember his particular reasoning before the staff of an armed services institution persuading an irate general, who had been lampooned in an evening skit (beyond propriety) by a leading physician, not to institute court martial proceedings. Dr. Kossman argued effectively: the more the fun-making during a skit, the greater the love and respect for the subject of the lampoon when in a university setting; and, the more acidic the fun-making, the more prestigious the institution. If you are credulous enough to accept such criteria, my comments will be as sweet nothings.

As my own small present to Dr. Burch, I offer him this printout from the Medline computer facility – a list of his indexed papers over the past dozen years. I have thought of allowing the list to spill out about two fathoms long onto the floor before you, but rejected the idea as I would not have enough time to assemble it again.

George – best wishes for 1981 – for your continued venture research and Happy Birthday.

### Some Sources:

Calendars – Encyclopedia Britannica  
George Burch – Who's Who – American Scientists – etc.  
Travis Winsor, Sam Threefoot – Chest 58: 269, 1970  
Editorial – American Heart Association  
Contributions of the Biological Sciences to Human Welfare, Fed. Proc., 1972

Dr. Burch's letter of appreciation to Dr. Burchell

Dear Howard:

January 29, 1981

It was certainly nice of you to make the presentation as you did at the banquet of the Association of University Cardiologists. I was quite flattered. I wish to thank you for your kind words. The group in my laboratory as well as Vivian (wife) read this with great admiration for how you put it so well together, and all of them said they wished they had been there to hear you. Of course, I was surprised and more than pleased.

I was happy to hear from the members that they are pleased with the Association. It does seem to be meeting with great success. Initially, there was considerable doubt in the minds of those who helped to found it as to whether it would be accepted and thrive. I really think, as you look at the faces of those in

attendance at the banquet, the Association does represent the outstanding people in the field of cardiology today. I do hope that the presentations will be more clinically oriented than they have been in the last year or two; there should be both. But there should be some good clinical discussions as well as good techniques for teaching and training of young people. Again, thank you very much for what you did and for letting me have a copy of your talk.

G. E. Burch, M.D.

## APPENDIX D

### Association of University Cardiologists PAST OFFICERS

#### **1960-61**

Nominating Committee  
Lewis Dexter  
Harold T. Dodge  
Raymond D. Pruitt

#### **1962-63**

President – Laurence B. Ellis Vice  
President – Franklin D. Johnston  
Secy/Treas – S. Gilbert Blount, Jr.

#### **1964-65**

President – Ludwig W. Eichna Vice  
President – S. Gilbert Blount, Jr.  
Secy/Treas – Robert A. Bruce

#### **1966-67**

President – Raymond D. Pruitt Vice  
President – Ernest Craige  
Secy/Treas – Robert A. Bruce

#### **1968-69**

President – Robert A. Bruce  
Vice President – John S. Graettinger  
Secy-Treas – W. Proctor Harvey

#### **1970-71**

President – Herbert N. Hultgren  
Vice President – W. Proctor Harvey  
Secy-Treas –George C. Rowe

#### **1972-73**

President – Walter H. Abelman  
Vice President – Walter H. Pritchard  
Secy-Treas –George C. Rowe

#### **1974-75**

President – George C. Rowe  
Vice President – Harold T. Dodge  
Secy-Treas –Noble O. Fowler

#### **1961-62**

President – George E. Burch  
Vice President – Laurence B. Ellis  
Secy/Treas – S. Gilbert Blount, Jr.

#### **1963-64**

President – Franklin D. Johnston  
Vice President – Ludwig W. Eichna  
Secy/Treas –S. Gilbert Blount, Jr.

#### **1965-66**

President – S. Gilbert Blount, Jr. Vice  
President – Raymond D. Pruitt  
Secy/Treas – Robert A. Bruce

#### **1967-68**

President – Ernest Craige  
Vice President – Robert A. Bruce  
Secy/Treas – W. Proctor Harvey

#### **1969-70**

President – John S. Graettinger  
Vice President – Herbert N. Hultgren  
Secy-Treas –W. Proctor Harvey

#### **1971-72**

President – W. Proctor Harvey  
Vice President – Walter H. Abelman  
Secy-Treas –George C. Rowe

#### **1973-74**

President – Walter H. Pritchard  
Vice President – George C. Rowe  
Secy-Treas –Noble O. Fowler

#### **1975-76**

President – Harold T. Dodge  
Vice President – Noble O. Fowler  
Secy-Treas –Park W. Willis, III

**1976-77**

President – Noble O. Fowler  
 Vice President – Borys Surawicz  
 Secy-Treas –Park W. Willis, III

**1978-79**

President – Thomas N. James  
 Vice President – Park W. Willis, III  
 Secy-Treas –Robert C. Schlant

**1980-81**

President – Edgar Haber  
 Vice President – Charles W. Frank  
 Secy/Treas – Robert C. Schlant

**1982-83**

President – Robert C. Schlant  
 Vice President – A. Calhoun Witham  
 Secy-Treas –Nancy C. Flowers

**1984-85**

President – E. William Hancock  
 Vice President – Nancy C. Flowers  
 Secy-Treas –James. E. Doherty, III

**1986-87**

President – John Michael Criley  
 Vice President – Robert J. Adolph Secy-  
 Treas –James E. Doherty, III

**1988-89**

President – James E. Doherty, III  
 Vice President – Rolf M. Gunnar  
 Secy/Treas – Lawrence S. Cohen

**1990-91**

President – Frank I. Marcus  
 Vice President – Lawrence S. Cohen  
 Secy/Treas – Allyn L. Mark

**1992-93**

President – Thomas W. Smith  
 Vice President – Robert J. Myerburg  
 Secy/Treas – Allyn L. Mark

**1977-78**

President – Borys Surawicz  
 Vice President – Thomas N. James  
 Secy-Treas –Park W. Willis, III

**1979-80**

President – Park W. Willis, III  
 Vice President – Edgar Haber  
 Secy-Treas –Robert C. Schlant

**1981-82**

President – Charles W. Frank  
 Vice President – Robert C. Schlant  
 Secy-Treas –Nancy C. Flowers

**1983-84**

President – A. Calhoun Witham  
 Vice President – E. William Hancock Secy-  
 Treas –Nancy C. Flowers

**1985-86**

President – Nancy C. Flowers  
 Vice President – John Michael Criley  
 Secy-Treas –James E. Doherty, III

**1987-88**

President – Robert J. Adolph  
 Vice President – James E. Doherty, III  
 Secy/Treas – Lawrence S. Cohen

**1989-90**

President – Rolf M. Gunnar  
 Vice President – Frank I. Marcus  
 Secy/Treas – Lawrence S. Cohen

**1991-92**

President – Lawrence S. Cohen  
 Vice President – Thomas W. Smith  
 Secy/Treas – Allyn L. Mark

**1993-94**

President – Robert J. Myerburg Vice  
 President – Allyn Mark Secy/Treas –  
 Richard L. Popp

**1994-95**

President – Allyn L. Mark  
Vice President – Douglas P. Zipes  
Secy/Treas – Richard L. Popp

**1996-97**

President – Richard L. Popp  
Vice President – William H. Barry  
Secy/Treas – George A. Beller

**1998-99**

President – R. Wayne Alexander  
Vice President – George A. Beller  
Secy-Treas – Donald D. Heistad

**2000-01**

President – R. Sanders Williams  
Vice President – Joel S. Karliner  
Secy-Treas –Donald D. Heistad

**2002-03**

President – Donald Heistad  
Vice President – George Vetrovec  
Secy-Treas –Linda Demer

**2004-05**

President – Linda Demer  
Vice President – Michael Crawford  
Secy-Treas –David G. Harrison

**2006-07**

President – Peter Libby  
Vice President – David G. Harrison  
Secy-Treas – Ronald Victor

**1995-96**

President – Douglas P. Zipes  
Vice President – Richard L. Popp  
Secy/Treas – George A. Beller

**1997-98**

President – William H. Barry  
Vice President – R. Wayne Alexander  
Secy-Treas – George A. Beller

**1999-2000**

President – George A. Beller  
Vice President – R. Sanders Williams  
Secy-Treas –Donald D. Heistad

**2001-02**

President – Joel S. Karliner  
Vice President – Donald D. Heistad  
Secy/Treas – Linda Demer

**2003-04**

President – George Vetrovec  
Vice President – Linda Demer  
Secy-Treas –David G. Harrison

**2005-06**

President – Michael Crawford  
Vice President – Peter Libby  
Secy-Treas – David G. Harrison

**2007-08**

President – David G. Harrison  
Vice President – Blase Carabello  
Secy-Treas – Ronald Victor

Because this is the first edition of the history of this organization, the authors would like to include in the appendix additional items which were thought to be appropriate and possibly of interest (Appendices E-K).

## **APPENDIX E**

### **AUC FOUNDING MEMBERS**

Walter Abelman - Emeritus  
J. A. Ablidskov - Emeritus  
S. Gilbert Blount, Jr. - deceased 2010  
George E. Burch-deceased 1986  
Carleton Chapman  
Ernest Craige – deceased 2008  
Charles Crumpton - deceased  
Lewis Dexter – deceased  
Harold T. Dodge – deceased 1999  
Ludwig W. Eichna – deceased 2002  
Laurence B. Ellis - deceased  
Noble O. Fowler – deceased 2003  
Alfred V. N. Goodyer - deceased  
John S. Graettinger – deceased 1996  
Robert A. Helm  
Herbert N. Hultgren – deceased 1997  
Franklin D. Johnston - deceased  
Thomas W. Mattingly – deceased 1999  
William R. Milnor  
Walter H. Pritchard – deceased  
Raymond D. Pruitt  
C. Thorpe Ray-deceased  
George C. Rowe – deceased 2000  
John R. Smith – deceased  
Calhoun Witham – deceased 2000  
Paul N. Yu – deceased  
Harry F. Zinsser – deceased 2005

# AUC Membership List as of March 1, 2010

## Francois M. Abboud, M.D.

Edith King Pearson Chair of Cardiovascular Research  
 Professor of Internal Medicine, and Molecular Physiology and Biophysics  
 Associate Vice President for Research  
 Director, Cardiovascular Research Center  
 University of Iowa College of Medicine  
 200 Newton Road, 110 CMAB  
 Iowa City, IA 52242  
 Telephone: 319-353-3057  
 Fax: 319-335-8327  
 E-mail:  
 Spouse: Doris  
 AUC Status: Emeritus  
 Member since 1972

## J. A. Abildskov, M.D.

Professor of Medicine  
 Cardiovascular Research & Training Inst.  
 University of Utah  
 95 South 2000 East  
 Salt Lake City, UT 84112-5000  
 Telephone: 801-587-9509  
 Fax: 801-581-3128  
 E-mail: [abildskov@cvrti.utah.edu](mailto:abildskov@cvrti.utah.edu)  
 Spouse: Mary  
 AUC Status: Emeritus (Founding Member)  
 Member since 1962

## Jonathan Abrams, M.D.

Professor of Medicine  
 University of New Mexico School of Medicine  
 Internal Medicine  
 Division of Cardiology  
 MSC 10-5550  
 1 University of New Mexico  
 Albuquerque, NM 87131-0001  
 Telephone: 505-272-4253 / 272-6326  
 Fax: 505-272-4356  
 E-mail: [jabrams@salud.unm.edu](mailto:jabrams@salud.unm.edu)  
 Spouse:  
 AUC Status: Emeritus  
 Member since 1983

## R. Wayne Alexander, M.D.

Chairman, Department of Medicine  
 Emory University Hospital, H-153  
 1364 Clifton Road NE  
 Atlanta, GA 30322  
 Telephone: 404-727-1749  
 Fax: 404-727-3099  
 E-mail: [ralexan@emory.edu](mailto:ralexan@emory.edu)  
 Spouse: Jane  
 AUC Status: Emeritus  
 Member since 1990

## Walter H. Abelmann, M.D.

Editor, HST Connector  
 Professor of Medicine, Emeritus, HMS  
 Harvard MIT Division of Health Sciences and Technology  
 E25-519  
 77 Massachusetts Avenue  
 Cambridge, MA 02139  
 Telephone: 617-253-0924  
 Fax: 617-253-7498  
 E-mail: [walter\\_abelmann@hms.harvard.edu](mailto:walter_abelmann@hms.harvard.edu)  
 Spouse: Rena  
 AUC Status: Emeritus (Founding Member)  
 Member since 1962

## William T. Abraham, M.D.

Professor of Internal Medicine  
 Director, Division of Cardiovascular Medicine  
 Deputy Director, Davis Heart & Lung Research Institute  
 The Ohio State University  
 473 W. 12<sup>th</sup> Ave., Room 110P DHLRI  
 Columbus, OH 43210-1252  
 Telephone: 614-292-9560  
 Fax: 614-292-9761  
 E-mail: [william.abraham@osumc.edu](mailto:william.abraham@osumc.edu)  
 Spouse: Joanne  
 AUC Status: Active  
 Member since 2005

## Robert J. Adolph, M.D.

Professor of Medicine  
 University of Cincinnati College of Medicine  
 College of Medicine  
 231 Bethesda Avenue  
 Cincinnati, OH 45267-0542  
 Telephone: 513-558-3074  
 Fax: 513-558-3116  
 E-mail:  
 Spouse: Iva Dean  
 AUC Status: Emeritus  
 Member since 1971

## Joseph S. Alpert, M.D.

Robert S. and Irene P. Flinn Professor of Medicine  
 Director, Coronary Care  
 Sarver Heart Center  
 University of Arizona College of Medicine  
 1501 N. Campbell  
 Tucson, AZ 85724-5035  
 Telephone: 520-626-6102  
 Fax: 520-626-2919  
 E-mail: [jalpert@u.arizona.edu](mailto:jalpert@u.arizona.edu)  
 Spouse: Helle  
 AUC Status: Emeritus  
 Member since 1981

**Jeffrey Lance Anderson, M.D.,**

Professor of Medicine  
University of Utah School of Medicine  
Intermountain Medical Center  
Associate Chief of Cardiology  
5121 S. Cottonwood Street  
Murray, UT 84157  
Telephone: 801-507-4704  
Fax: 801-507-4789  
E-mail: [jeffrey.anderson@imail.org](mailto:jeffrey.anderson@imail.org)  
Spouse: Kathleen  
AUC Status: Emeritus  
Member since 1996

**Brian H. Annex, M.D.**

George A. Beller/Lantheus Medical Imaging Distinguished Professor of  
Cardiovascular Medicine  
Professor of Medicine  
Chief, Division of Cardiovascular Medicine  
University of Virginia Health System  
PO Box 800158  
Charlottesville, VA 22908-0158  
Telephone: 434-982-0853  
Fax: 434-982-1998  
E-mail: [annex@virginia.edu](mailto:annex@virginia.edu)  
Spouse: Joellen Schildkraut, Ph.D.  
AUC Status: Active  
Member since 2010

**Stephen L. Archer, M.D., FRCP(C), FAHA, FACC**

Harold Hines Jr. Professor and Chair of Cardiology  
University of Chicago  
Section of Cardiology, MC 6080  
5841 S. Maryland  
Chicago, IL 60637  
Telephone: 773-702-1919  
Fax: 773-702-1385  
E-mail: [sarcher@medicine.bsd.uchicago.edu](mailto:sarcher@medicine.bsd.uchicago.edu)  
Spouse: Katharine Mary Doliszny  
AUC Status: Active  
Member since 2008

**Robert J. Bache, M.D.**

Professor of Medicine and Radiology  
University of Minnesota Medical School  
Box 508 UMHC  
425 E. River Road  
Minneapolis, MN 55455  
Telephone: 612-624-8970  
Fax: 612-626-4411  
E-mail: [bache001@umn.edu](mailto:bache001@umn.edu)  
Spouse: Elaine  
AUC Status: Emeritus  
Member since 1986

**C. Noel Bairey Merz, M.D., F.A.C.C., F.A.H.A.**

Director, Women's Heart Center  
Director Preventive and Rehabilitative Cardiac Center  
Women's Guild Endowed Chair in Women's Health Heart Institute  
Professor of Medicine  
Cedars-Sinai Medical Center  
444 S. San Vicente Blvd., Suite 600  
Los Angeles, CA 90048  
Telephone: 310-423-9680  
Fax: 310-423-9681  
E-mail: [merz@cshs.org](mailto:merz@cshs.org)  
Spouse: Robert Merz, M.D.  
AUC Status: Active  
Member since 2009

**Mark Edward Anderson, M.D., Ph.D.**

Professor, Departments of Internal Medicine and Molecular  
Physiology & Biophysics  
Head, Department of Internal Medicine  
Francois M. Abboud Chair in Internal Medicine  
University of Iowa Carver College of Medicine  
200 Hawkins Drive  
SE308 GH  
Iowa City, IA 52242-1081  
Telephone: 319-356-2745  
Fax: 319-356-8608  
E-mail: [mark-e-anderson@uiowa.edu](mailto:mark-e-anderson@uiowa.edu)  
Spouse: Sarah  
AUC Status: Active  
Member since 2007

**Elliott M. Antman, M.D.**

Professor of Medicine  
Director, Postgraduate Education Program in Clinical &  
Translational Science (Harvard)  
Brigham & Women's Hospital  
Harvard Medical School  
75 Francis St.  
Boston, MA 02115  
Telephone: 617-732-7143  
Fax: 617-975-0990  
E-mail: [ellantman@rics.bwh.harvard.edu](mailto:ellantman@rics.bwh.harvard.edu)  
Spouse: Dr. Karen Antman  
AUC Status: Active  
Member since 2005

**Steven R. Bailey, M.D.**

Professor of Medicine and Radiology  
Chief of the Division of Cardiology  
University of Texas Health Science at San Antonio  
7703 Floyd Curl Drive  
MC 7872  
San Antonio, TX 78229-3900  
Telephone: 210-567-4601  
Fax: 210-567-5960  
E-mail: [baileys@uthscsa.edu](mailto:baileys@uthscsa.edu)  
AUC Status: Active  
Member since 2009

**C. William Balke, M.D.**

Associate Provost for Clinical and Translational Science  
Senior Associate Dean for Research  
Professor of Medicine and Physiology  
University of Kentucky  
College of Medicine  
MN 150 Chandler Medical Center  
800 Rose Street  
Lexington, KY 40536-0298  
Telephone: 859-323-9093  
Fax: 859-323-2093  
E-mail: [b.balke@uky.edu](mailto:b.balke@uky.edu)  
Spouse: Mary Denise Quandt  
AUC Status: Active  
Member since 2001



**William H. Barry, M.D.**

Professor of Cardiology  
University of Utah School of Medicine  
Department of Medicine  
50 N. Medical Drive  
Salt Lake City, UT 84132  
Telephone: 801-910-0796  
Fax: 801-581-7735  
E-mail: [whbarry@hsc.utah.edu](mailto:whbarry@hsc.utah.edu)  
Spouse: Susan A. Chesteen, Ph.D.  
AUC Status: Emeritus  
Member since 1992

**George A. Beller, M.D.**

Ruth C. Heede Professor of Cardiology  
University of Virginia Health System  
P. O. Box 800158  
4th Floor, Hospital Expansion Building, Room 4035  
Charlottesville, VA 22908-0729  
Telephone: 434-924-2134  
Fax: 434-982-1998  
E-mail: [gbeller@virginia.edu](mailto:gbeller@virginia.edu)  
Spouse:  
AUC Status: Emeritus  
Member since 1979

**Emelia J. Benjamin, M.D., Sc.M.**

Vice Chair, Faculty Development & Diversity, Dept. of Medicine, BUSM  
Professor of Medicine and Epidemiology  
Boston University Schools of Medicine and Public Health  
The Framingham Heart Study  
73 Mount Wayte Avenue, Suite 2  
Framingham, MA 01702-5827  
Telephone: 617-638-8968  
Fax: 617-638-8969  
E-mail: [emelia@bu.edu](mailto:emelia@bu.edu)  
Spouse: David. M. Pollak, MArch  
AUC Status: Active  
Member since 2008

**Gerald S. Berenson, M.D.**

Emeritus Boyd Professor, LSU Medical Center  
Director, National Center for Cardiovascular Health  
Tulane University School of Public Health  
1440 Canal Street  
New Orleans, LA 70112  
Telephone: 504-988-7197  
Fax: 504-988-7194  
E-mail: [berenson@tulane.edu](mailto:berenson@tulane.edu)  
Spouse: Joan  
AUC Status: Emeritus  
Member since 1979

**Bradford C. Berk, M.D., Ph.D.**

Charles A. Dewey Professor and Chairman of Medicine  
Senior Vicer President for Health Sciences  
CEO of Medical Center and Strong Health  
University of Rochester  
601 Elmwood Avenue, Box 706  
Rochester, NY 14642-0706  
Telephone: 585-275-3407  
Fax: 585-273-1059  
E-mail: [Bradford\\_Berk@urmc.rochester.edu](mailto:Bradford_Berk@urmc.rochester.edu)  
Spouse: Mary M. Berk  
AUC Status: Active  
Member since 2000

**Craig T. Basson, M.D., Ph.D.**

Head of Translational Medicine (Cardiovascular)  
Novartis Institutes for Biomedical Research  
220 Massachusetts Avenue  
Cambridge, MA 02139  
Telephone: 617-871-3922  
Fax:  
E-mail: [craig.basson@novartis.com](mailto:craig.basson@novartis.com)  
Spouse:  
AUC Status: Active  
Member since 2009

**Jeffrey Robert Bender, M.D.**

Robert I. Levy Professor of Preventive Cardiology  
Professor of Medicine and Immunobiology  
Associate Chief, Cardiovascular Medicine  
Yale University School of Medicine  
300 Cedar Street, TAC S469A  
P. O. Box 208017  
New Haven, CT 06510  
Telephone: 203-737-2223  
Fax: 203-785-7567  
E-mail: [jeffrey.bender@yale.edu](mailto:jeffrey.bender@yale.edu)  
Spouse: Judith D. Bender  
AUC Status: Active  
Member since 2001

**Ivor J. Benjamin, M.D.**

Christi T. Smith Professor of Medicine  
Department of Medicine  
University of Utah  
Health Sciences Center  
30 North 1900 East, Room 4A100  
Salt Lake City, UT 84132-2401  
Telephone: 801-585-2341  
Fax: 801-581-7735  
E-mail: [ivor.benjamin@hsc.utah.edu](mailto:ivor.benjamin@hsc.utah.edu)  
Spouse: Carol  
AUC Status: Active  
Member since 2002

**Steven R. Bergmann, M.D., Ph.D.**

Professor of Medicine and Nuclear Medicine  
Beth Israel Medical Center  
First Avenue @16th St.  
New York, NY 10003  
Telephone: 212-420-4681  
Fax: 212-420-4681  
E-mail: [sbergman@chpnet.org](mailto:sbergman@chpnet.org)  
Spouse:  
AUC Status: Active  
Member since 2005

**Deepak L. Bhatt, M.D.**

Associate Professor of Medicine  
Harvard Medical School  
Chief of Cardiology  
VA Boston Healthcare System  
1400 VFW Parkway  
Boston, MA 02132  
Telephone: 857-203-6840  
Fax: 857-203-5550  
E-mail: [dbhatt@partners.org](mailto:dbhatt@partners.org)  
Spouse: Shanthala Bhatt  
AUC Status: Active  
Member since 2010

**Robert O. Bonow, M.D.**

Professor of Medicine  
Chief, Division of Cardiology  
Northwestern University Medical School  
Department of Medicine  
676 North St. Clair, Suite 600  
Chicago, IL 60611  
Telephone: 312-695-1052  
Fax: 312-695-1434  
E-mail: [r-bonow@northwestern.edu](mailto:r-bonow@northwestern.edu)  
Spouse: Patricia Hitchens-Bonow  
AUC Status: Emeritus  
Member since 1993

**Eugene Braunwald, M.D.**

Distinguished Hersey Professor of Medicine  
Harvard Medical School  
Chairman, TIMI Study Group  
Brigham and Women's Hospital  
350 Longwood Ave.  
Boston, MA 02115  
Telephone: 617-732-8989  
Fax: 617-975-0955  
E-mail: [ebraunwald@partners.org](mailto:ebraunwald@partners.org)  
Spouse: Elaine Smith  
AUC Status: Emeritus  
Member since 1968

**Peter M. Buttrick, M.D.**

S. Gilbert Blount Endowed Chair  
Division Head, Cardiology  
University of Colorado Denver  
Academic Office 1, Rm. 7121  
12631 E. 17th Avenue, B130  
PO Box 6511  
Denver, CO 80045  
Telephone: 303-724-2089  
Fax: 303-724-2094  
E-mail: [peter.buttrick@ucdenver.edu](mailto:peter.buttrick@ucdenver.edu)  
Spouse: Anne Wattenberg  
AUC Status: Active  
Member since 1999

**Michael E. Cain, M.D.**

Dean  
University at Buffalo  
School of Medicine and Biomedical Sciences  
155 Biomedical Education Building.  
Buffalo, NY 14214  
Telephone: 716-829-3955  
Fax: 716-829-2179  
E-mail: [mcain@buffalo.edu](mailto:mcain@buffalo.edu)  
Spouse: Peggy  
AUC Status: Inactive  
Member since 1997

**Roberto Bolli, M.D.**

Chief, Division of Cardiology  
University of Louisville Medical School  
ACB, Third Floor  
550 South Jackson Street  
Louisville, KY 40222  
Telephone: 502-852-1837  
Fax: 502-852-6474  
E-mail: [rbolli@louisville.edu](mailto:rbolli@louisville.edu)  
Spouse:  
AUC Status: Active  
Member since 1999

**Jeffrey S. Borer, M.D.**

Professor  
Chair, Department of Medicine  
Chief, Division of Cardiovascular Medicine  
State University of New York Downstate Medical Center  
450 Clarkson Avenue  
Brooklyn, NY 11203  
Telephone: 212-289-7777; 718-270-2030  
Fax: 212-426-4353  
E-mail: [canadad45@aol.com](mailto:canadad45@aol.com)  
Spouse: Brondi  
AUC Status: Emeritus  
Member since 2001

**Bruce H. Brundage, M.D.**

Professor of Medicine (Emeritus)  
David Geffen UCLA School of Medicine  
65740 Pronghorn Estates Drive  
Bend, OR 97701  
Telephone: 541-389-1278  
Fax: 541-389-3596  
E-mail: [bbrundage@bendbroadband.com](mailto:bbrundage@bendbroadband.com)  
Spouse: Rita  
AUC Status: Emeritus  
Member since 1986

**Robert M. Califf, M.D.**

Vice Chancellor for Clinical Research  
Duke University Medical Center  
200 Trent Drive, 1117 Davison Bldg.  
Durham, NC 27710  
Telephone: 919-668-8820  
Fax: 919-668-7103  
E-mail: [calif001@mc.duke.edu](mailto:calif001@mc.duke.edu)  
Spouse: Lydia  
AUC Status: Active  
Member since 2006

**Hugh Calkins, M.D.**

Nicholas S. Fortuin Professor of Cardiology  
 Professor of Medicine  
 Director, Arrhythmia Service & Clinical EP Laboratory  
 The Johns Hopkins Medical Institutions  
 Carnegie Building, Room 530  
 600 N. Wolfe Street  
 Baltimore, MD 21287-0409  
 Telephone: 410-955-7405  
 Fax: 410-614-1345  
 E-mail: [hcalkins@jhmi.edu](mailto:hcalkins@jhmi.edu)  
 Spouse: Beth  
 AUC Status: Active  
 Member since 2007

**John M. Canty, Jr., M.D.**

Albert and Elizabeth Rekate Professor and  
 Chief, Division of Cardiovascular Medicine  
 Vice Chair for Research, Department of Medicine  
 University of Buffalo  
 Biomedical Research Building, Room 345  
 3435 Main Street  
 Buffalo, NY 14214  
 Telephone: 716-829-2663  
 Fax: 716-829-2665  
 E-mail: [canty@buffalo.edu](mailto:canty@buffalo.edu)  
 Spouse: Ann Marie  
 AUC Status: Active  
 Member since 2003

**Samuel Ward Casscells, III M.D.**

The John Edward Tyson Distinguished Professor of Medicine and VP for  
 Biotechnology  
 Assoc. Dir. Card. Res. - TX Heart Inst./St. Luke's Episcopal Hosp.  
 Hermann Hospital and UT-Houston Med. School  
 6431 Fannin, MSB 1.246  
 Houston, TX 77030  
 Telephone: 713-500-6545  
 Fax: 713-500-6547  
 E-mail: [s.ward.casscells@uth.tmc.edu](mailto:s.ward.casscells@uth.tmc.edu)  
 Spouse: Roxanne Bell Casscells  
 AUC Status: Active  
 Member since 1996

**Peng-Sheng Chen, M.D.**

Medtronic-Zipes Chair of Cardiology  
 Director, Krannert Institute of Cardiology  
 Chief, Division of Cardiology  
 Department of Medicine, Indiana University School of Medicine  
 1801 N. Capitol, E475  
 Indianapolis, IN 46202  
 Telephone: 317-962-0145  
 Fax: 317-962-0588  
 E-mail: [chenpp@iupui.edu](mailto:chenpp@iupui.edu)  
 Spouse: Lan Chen, M.D.  
 AUC Status: Active  
 Member since 2008

**Luther T. Clark, M.D.**

U.S. Regional Director for Scientific Affairs  
 Merck & Co, Inc.  
 One Merck Drive  
 WS3C05  
 Whitehouse Station, NJ 08889  
 Telephone: 267 305-0625  
 Fax: 267 305-1250  
 E-mail: [luther\\_clark@merck.com](mailto:luther_clark@merck.com)  
 Spouse: Camille C. Jackson  
 AUC Status: Active  
 Member since 2007

**Paul J. Cannon, M.D.**

Professor of Medicine  
 Columbia University College of Physicians and Surgeons  
 The Presbyterian Hospital  
 630 W. 168th Street  
 New York, NY 10032  
 Telephone: 212-305-9052  
 Fax: 212-305-4048  
 E-mail: [pjc4@columbia.edu](mailto:pjc4@columbia.edu)  
 Spouse: Chantal  
 AUC Status: Emeritus  
 Member since 1991

**Blase A. Carabello, M.D.**

Medical Care Line Executive (111 MCL)  
 Houston Veterans Affairs Medical Center  
 2002 Holcolmbe Blvd.  
 Houston, TX 77030  
 Telephone: 713-794-7070/4079  
 Fax: 713-794-7377  
 E-mail: [blaseanthony.carabello@med.va.gov](mailto:blaseanthony.carabello@med.va.gov)  
 Spouse: Kathryn  
 AUC Status: Emeritus  
 Member since 1994

**Bernard R. Chaitman, M.D.**

Professor of Medicine  
 Director, Cardiovascular Research  
 St. Louis University School of Medicine  
 3635 Vista Avenue at Grand Boulevard  
 St. Louis, MO 63110-0250  
 Telephone: 314-725-4668  
 Fax: 314-725-2171  
 E-mail: [chaitman@slu.edu](mailto:chaitman@slu.edu)  
 Spouse: Gloria  
 AUC Status: Emeritus  
 Member since 1990

**Melvin D. Cheitlin, M.D.**

Professor of Medicine Emeritus  
 University of California, San Francisco  
 San Francisco General Hospital  
 1001 Potrero Avenue, Room 5F1  
 San Francisco, CA 94110  
 Telephone: 415-206-3502  
 Fax: 415-206-5100  
 E-mail: [mellac22@comcast.net](mailto:mellac22@comcast.net)  
 Spouse: Hella  
 AUC Status: Emeritus  
 Member since 1995

**Leonard A. Cobb, M.D.**

Professor Emeritus of Medicine  
 University of Washington School of Medicine  
 Harborview, Division of Cardiology  
 325 Ninth Avenue, Box 359748  
 Seattle, WA 98104  
 Telephone: 206-731-3407  
 Fax: 206-731-4068  
 E-mail: [lcobb@u.washington.edu](mailto:lcobb@u.washington.edu)  
 Spouse: Else  
 AUC Status: Emeritus  
 Member since 1966

**Lawrence Sorel Cohen, M.D.**

Ebenezer K. Hunt Professor of Medicine (Emeritus)  
 Yale University School of Medicine  
 P. O. Box 208017  
 333 Cedar Street, FMP 313  
 New Haven, CT 06520-8017  
 Telephone: 203-785-4128  
 Fax: 203-785-7144  
 E-mail: [lawrence.s.cohen@yale.edu](mailto:lawrence.s.cohen@yale.edu)  
 Spouse: Jane  
 AUC Status: Emeritus  
 Member since 1971

**Peter F. Cohn, M.D.**

Chief, Cardiology Division  
 State University of New York at Stonybrook School of Medicine  
 Health Sciences Ctr., Rm. T17-020  
 Stony Brook, NY 11794-8161  
 Telephone: 631-444-1060  
 Fax: 631-444-1054  
 E-mail: [Peter.Cohn@stonybrook.edu](mailto:Peter.Cohn@stonybrook.edu)  
 Spouse: Joan  
 AUC Status: Emeritus  
 Member since 1984

**C. Richard Conti, M.D.**

Professor of Medicine  
 University of Florida College of Medicine  
 Division of Cardiovascular Medicine  
 1600 Archer Rd, Box 100277  
 Gainesville, FL 32610-0277  
 Telephone: 352-273-9075  
 Fax: 352-374-6831  
 E-mail: [conticr@medicine.ufl.edu](mailto:conticr@medicine.ufl.edu)  
 Spouse: Ruth  
 AUC Status: Emeritus  
 Member since 1978

**George Cooper, IV, M.D.**

Professor of Medicine and Physiology  
 Chief of Cardiology  
 Med Univ of South Carolina; Gazes Cardiac Research Inst  
 VA Medical Center, Section of Cardiology  
 109 Bee Street  
 Charleston, SC 29403  
 Telephone: 843-876-6066  
 Fax: 843-876-5068  
 E-mail: [cooperge@musc.edu](mailto:cooperge@musc.edu)  
 Spouse: Elizabeth  
 AUC Status: Emeritus  
 Member since 1988

**Mark A. Creager, M.D.**

Professor of Medicine  
 Director, Vascular Center  
 Brigham and Women's Hospital  
 75 Francis Street  
 Boston, MA 02115  
 Telephone: 617-732-5267  
 Fax: 617-732-2749  
 E-mail: [mcreager@partners.org](mailto:mcreager@partners.org)  
 Spouse: Shelly  
 AUC Status: Active  
 Member since 2007

**Jay N. Cohn, M.D.**

Professor of Medicine  
 University of Minnesota  
 Cardiovascular Division  
 420 Delaware Street SE, MMC 508  
 Minneapolis, MN 55455  
 Telephone: 612-625-5646  
 Fax: 612-624-2174  
 E-mail: [cohnx001@umn.edu](mailto:cohnx001@umn.edu)  
 Spouse: Syma  
 AUC Status: Emeritus  
 Member since 1975

**Wilson S. Colucci, M.D.**

Chief of Cardiovascular Medicine  
 Boston Medical Center  
 88 East Newton Street  
 Boston, MA 02118-2393  
 Telephone: 617-638-8706  
 Fax: 617-638-8712  
 E-mail: [wilson.colucci@bmc.org](mailto:wilson.colucci@bmc.org)  
 Spouse: Jill Downing, M.D.  
 AUC Status: Active  
 Member since 1997

**Jamie B. Conti, M.D.**

Associate Professor of Medicine  
 University of Florida College of Medicine  
 1600 S.W. Archer Rd, Box 100277  
 Gainesville, FL 32610-0277  
 Telephone: 352-392-2469  
 Fax: 352-846-0314  
 E-mail: [contijb@medicine.ufl.edu](mailto:contijb@medicine.ufl.edu)  
 Spouse: Robert W. Yancy, M.D.  
 AUC Status: Active  
 Member since 2006

**Michael H. Crawford, M.D.**

Professor of Medicine  
 Lucie Stern Chair in Cardiology  
 Chief of Clinical Cardiology  
 UCSF Medical Center  
 505 Parnassus Avenue, Box 0124  
 San Francisco, CA 94143-0124  
 Telephone: 415-502-8584  
 Fax: 415-476-4137  
 E-mail: [crawfordm@medicine.ucsf.edu](mailto:crawfordm@medicine.ucsf.edu)  
 Spouse: Janis  
 AUC Status: Emeritus  
 Member since 1981

**John Michael Criley, M.D.**

Emeritus Professor of Medicine & Radiological Sciences  
 The David Geffen School of Medicine at UCLA  
 Saint John's Cardiovascular Research Center  
 1124 West Carson Street  
 Torrance, CA 90502  
 Telephone: 310-222-2532  
 Fax: 310-787-0448  
 E-mail: [jmcriley@ucla.edu](mailto:jmcriley@ucla.edu)  
 Spouse: Mary Ellen  
 AUC Status: Emeritus  
 Member since 1967

**Charles L. Curry, M.D.**

Director, Division of Cardiovascular Diseases  
Professor of Medicine  
Howard University College of Medicine  
2041 Georgia Avenue N.W.  
Washington, DC 20060  
Telephone: 202-865-6791  
Fax: 202-865-4449  
E-mail: [kcandlc@aol.com](mailto:kcandlc@aol.com)  
Spouse: Vera  
AUC Status: Emeritus  
Member since 1989

**James E. Dalen, M.D., MPH**

Dean Emeritus, University of Arizona College of Medicine  
5305 Via Velazquez  
Tucson, AZ 85750  
Telephone: 520-299-3148  
AUC Status: Emeritus  
Member since 1976

**Patrice Delafontaine, M.D.**

Sidney W. and Marilyn S. Lassen Professor of Cardiovascular Medicine  
Chief, Section of Cardiology  
Director, Tulane University Heart & Vascular Institute  
Tulane University School of Medicine  
1430 Tulane Avenue, SL 48  
New Orleans, LA 70112-2699  
Telephone: 504-988-2025  
Fax: 504-988-4237  
E-mail: [pdelafon@tulane.edu](mailto:pdelafon@tulane.edu)  
Spouse: Mary Doran  
AUC Status: Active  
Member since 2002

**Anthony N. DeMaria, M.D.**

Judith and Jack White Chair in Cardiology, Professor of Medicine  
Director, Sulpizio Family Cardiovascular Center  
University of California, San Diego School of Medicine  
UCSD Medical Center  
200 West Arbor Drive, #8411  
San Diego, CA 92103-8411  
Telephone: 619-543-6031  
Fax: 619-543-3305  
E-mail: [ademaria@ucsd.edu](mailto:ademaria@ucsd.edu)  
Spouse: Dolores [Lori]  
AUC Status: Emeritus  
Member since 1983

**Richard B. Devereux, M.D.**

Professor of Medicine  
Director, Echocardiography Laboratory  
Division of Cardiology, Box 222  
New York Hospital-Cornell Medical Center  
525 East 68th Street  
New York, NY 10021  
Telephone: 212-746-4655  
Fax: 212-746-8451  
E-mail: [rbdevere@med.cornell.edu](mailto:rbdevere@med.cornell.edu)  
Spouse: Corinne  
AUC Status: Emeritus  
Member since 1994

**Anne B. Curtis, M.D., FACC, FHRS, FAHA**

Charles & Mary Bauer Professor of Medicine  
Chief, Department of Medicine  
University at Buffalo  
Erie County Medical Center  
462 Grider Street, 219 D.E. Miller Building  
Buffalo, NY 14215  
Telephone: 716-898-4328  
Fax: 716-898-4493  
E-mail: [acurtis@buffalo.edu](mailto:acurtis@buffalo.edu)  
Spouse: Alexander Domijan, Jr.  
AUC Status: Active  
Member since 2009

**G. William Dec, Jr., M.D.**

Roman DeSanctis Professor of Medicine  
Chief, Cardiology Division  
Massachusetts General Hospital  
Bigelow 800 - Mailstop 817  
55 Fruit Street  
Boston, MA 02114  
Telephone: 617-726-8237  
Fax: 617-724-8795  
E-mail: [gdec@partners.org](mailto:gdec@partners.org)  
Spouse: Donna Dec  
AUC Status: Active  
Member since 2005

**Louis J. Dell'Italia, M.D.**

Professor of Medicine  
Director, Center for Heart Failure Research  
University of Alabama at Birmingham  
901 19th Street, BMR II, Rm. 435  
Birmingham, AL 35294-2180  
Telephone: 205-934-3969  
Fax: 205-996-2586  
E-mail: [loudell@uab.edu](mailto:loudell@uab.edu)  
Spouse: Patricia  
AUC Status: Active  
Member since 2007

**Linda L. Demer, M.D., Ph.D.**

Professor of Medicine, Physiology & Bioengineering  
Vice Chair, Cardiovascular & Vascular Medicine  
The David Geffen School of Medicine at UCLA  
10833 Le Conte Avenue, A2-237 CHS  
Los Angeles, CA 90095-2677  
Telephone: 310-206-1679  
Fax: 310-825-4963  
E-mail: [ldemer@mednet.ucla.edu](mailto:ldemer@mednet.ucla.edu)  
Spouse:  
AUC Status: Active  
Member since 1995

**John P. DiMarco, M.D., Ph.D.**

Professor of Medicine  
Director, Cardiac Electrophysiology Lab  
University of Virginia School of Medicine  
Box 800466  
Charlottesville, VA 22908-0466  
Telephone: 804-924-2031  
Fax: 804-924-2581  
E-mail: [jdimarco@virginia.edu](mailto:jdimarco@virginia.edu)  
Spouse: Jane Erwine  
AUC Status: Active  
Member since 1991

**Pamela Susan Douglas, M.D.**

Ursula Geller Professor of Research in Cardiovascular Disease  
Duke University  
7022 North Pavilion DUMC  
P.O. Box 17696  
Durham, NC 27715  
Telephone: 919-681-2690  
Fax: 919-668-7059  
E-mail: [pamela.douglas@duke.edu](mailto:pamela.douglas@duke.edu)  
Spouse: Geoffrey Ginsburg, M.D., Ph.D.  
AUC Status: Inactive  
Member since 2001

**Samuel C. Dudley, Jr., M.D., Ph.D., B.A.**

Professor of Medicine  
Chief of Cardiology  
University of Illinois at Chicago  
840 South Wood Street, Suite 928  
MC 715  
Chicago, IL 60612-7323  
Telephone: 312-996-6730  
Fax: 312-413-2948  
E-mail: [scdudley@uic.edu](mailto:scdudley@uic.edu)  
Spouse: Victoria Dudley  
AUC Status: Active  
Member since 2010

**Marvin I. Dunn, M.D.**

3205 Tomahawk Rd.  
Mission Hills, KS 66208-1861  
Telephone:  
Fax:  
E-mail:  
Spouse:  
AUC Status: Emeritus  
Member since 1972

**Kim Allen Eagle, M.D.**

Albion Walter Hewlett Professor of Internal Medicine  
Chief of Clinical Cardiology  
University of Michigan Medical Center  
300 North Ingalls, N18 B02  
Ann Arbor, MI 48109-0477  
Telephone: 734-936-5275  
Fax: 734-764-4119  
E-mail: [KEagle@umich.edu](mailto:KEagle@umich.edu)  
Spouse: Darlene  
AUC Status: Active  
Member since 1998

**N. A. Mark Estes, II, M. D.**

Professor of Medicine  
Tufts New England Medical Center  
750 Washington Street, Box 197  
Boston, MA 02111  
Telephone: 617-636-6156  
Fax: 617-636-4586  
E-mail: [nestes@tufts-nemc.org](mailto:nestes@tufts-nemc.org)  
Spouse: Noel Evangeline Medeline Thorbecke Estes  
AUC Status: Active  
Member since 2005

**Joseph T. Doyle, M.D.**

Albany Medical College  
New Scotland Avenue, MC44  
Albany, NY 12208  
Telephone: 518-4262-5076  
Fax: 518-262-5082  
E-mail:  
Spouse: Joan  
AUC Status: Emeritus  
Member since 1965

**Victor J. Dzau, M.D.**

Chancellor for Health Affairs, Duke University  
President and Chief Executive Officer, Duke University Health System  
James B. Duke Professor of Medicine  
DUMC Box #3701  
Durham, NC 27710  
Telephone: 919-684-2255  
Fax: 919-681-7020  
E-mail: [victor.dzau@duke.edu](mailto:victor.dzau@duke.edu)  
Spouse: Ruth  
AUC Status: Emeritus  
Member since 1991

**Stephen E. Epstein, M.D.**

Executive Director, Cardiovascular Research Institute  
Director, Vascular Biology Research  
110 Irving Street, NW, Suite 431  
Washington, DC 20010  
Telephone: 202-877-5977  
Fax: 202-877-2715  
E-mail: [stephen.epstein@medstar.net](mailto:stephen.epstein@medstar.net)  
Spouse: Beatrice  
AUC Status: Emeritus  
Member since 1991

**Gordon A. Ewy, M.D.**

Professor of Medicine  
The Gordon A. Ewy Distinguished Chair of Cardiovascular Research  
Director, Sarver Heart Center  
University of Arizona College of Medicine  
Department of Internal Medicine  
1501 North Campbell Avenue  
Tucson, AZ 85724-5037  
Telephone: 520-626-6332  
Fax: 520-626-0964  
E-mail: [gaewy@aol.com](mailto:gaewy@aol.com)  
Spouse: Priscilla  
AUC Status: Emeritus  
Member since 1984



**Michael D. Ezekowitz, MBChB, DPhil, FRCP, FAHA, FACC**

Vice President, Lankenau Institute for Medical Research  
Vice President, Clinical Research, Main Line Hospitals  
Professor of Medicine  
Jefferson Medical College  
100 Lancaster Avenue, Suite G36  
Wynnewood, PA 19096  
Telephone: 484-476-8451  
Fax: 484-476-8460  
E-mail: [ezekowitzm@mlhs.org](mailto:ezekowitzm@mlhs.org)  
Spouse: Lillian Weinrich  
AUC Status: Active  
Member since 1997

**Arthur M. Feldman, M.D., Ph.D.**

Magee Professor and Chairman  
Department of Medicine  
Jefferson Medical College  
1025 Walnut St, College Bldg, Rm 822  
Philadelphia, PA 19107  
Telephone: 215-955-6946  
Fax: 215-955-2318  
E-mail: [Arthur.feldman@jefferson.edu](mailto:Arthur.feldman@jefferson.edu)  
Spouse: Susan Boochever Feldman, Esq.  
AUC Status: Active  
Member since 1995

**Glenn I. Fishman, M.D.**

William Goldring Professor of Medicine  
Prof. of Pharm. and Physiology/Neuroscience  
Chief of Cardiology  
New York University School of Medicine  
550 First Avenue, Smilow 801  
New York, NY 10016  
Telephone: 212-263-3967  
Fax: 212-263-3972  
E-mail: [glenn.fishman@med.nyu.edu](mailto:glenn.fishman@med.nyu.edu)  
Spouse: Joanne Wallenstein  
AUC Status: Active  
Member since 2003

**Alan M. Fogelman, M.D.**

Professor of Medicine  
Executive Chair, Dept. of Medicine  
University of California, Los Angeles  
Room 37-120 CHS  
10833 LeConte Avenue  
Los Angeles, CA 90095-1736  
Telephone: 310-825-6058  
Fax: 310-825-4963  
E-mail: [afogelman@mednet.ucla.edu](mailto:afogelman@mednet.ucla.edu)  
Spouse: Judi  
AUC Status: Emeritus  
Member since 1986

**Charles K. Francis, M.D.**

Director of Cardiovascular Research  
Jersey Shore University Medical Center  
1945 Route 33  
Neptune, NJ 07754  
Telephone: 732-776-44204  
Fax: 732-776-3795  
E-mail: [cfrancis@meridianhealth.com](mailto:cfrancis@meridianhealth.com)  
Spouse: Irma Francis  
AUC Status: Emeritus  
Member since 1993

**David P. Faxon, M.D.**

Vice Chair of Medicine for Integrated Clinical Services  
Department of Medicine  
Brigham and Women's Hospital  
1620 Tremont Street, BC-3-12P  
Boston, MA 02120  
Telephone: 617-525-8358  
Fax: 617-838-0139  
E-mail: [dfaxon@partners.org](mailto:dfaxon@partners.org)  
Spouse: Monica  
AUC Status: Emeritus  
Member since 1991

**John D. Fisher, M.D.**

Professor of Medicine  
Director, Arrhythmia Service  
Montefiore Medical Center  
University Hospital for the Albert Einstein College of Medicine  
111 East 210th Street  
Bronx, NY 10467-2490  
Telephone: 718-920-4291  
Fax: 718-547-2111  
E-mail: [jfisher@montefiore.org](mailto:jfisher@montefiore.org)  
Spouse: Rosemarie, M.D.  
AUC Status: Emeritus  
Member since 1990

**Nancy Carolyn Flowers, M.D.**

Professor of Medicine  
University of Kentucky  
6691 Guadalupe Trail, NW  
Albuquerque, NM 87107  
Telephone: 606-678-0678  
Fax: 505-344-4983  
E-mail: [flowhoran@aol.com](mailto:flowhoran@aol.com)  
Spouse: Leo Horan, M.D.  
AUC Status: Emeritus  
Member since 1974

**Harry A. Fozzard, M.D.**

Otho S.A. Sprague Distinguished Service Professor, Emeritus  
University of Chicago  
MC 6094  
5841 S. Maryland  
Chicago, IL 60637  
Telephone: 773-702-2679  
Fax: 773-702-6789  
E-mail: [hafozzar@uchicago.edu](mailto:hafozzar@uchicago.edu)  
Spouse: Lyn  
AUC Status: Emeritus  
Member since 1973

**Gottlieb C. Friesinger, M.D.**

Professor of Medicine Emeritus  
Cardiovascular Medicine Division  
Vanderbilt Page Campbell Heart Institute  
2152 Golf Club Lane  
Nashville, TN 37215-1224  
Telephone: 615-322-2318  
Fax: 615-343-1786  
E-mail: [gottlieb.friesinger@Vanderbilt.Edu](mailto:gottlieb.friesinger@Vanderbilt.Edu)  
Spouse:  
AUC Status: Emeritus  
Member since 1973

**Robert L. Frye, M.D.**

Mayo Medical School  
 Mayo Clinic and Foundation  
 200 First Street SW  
 Rochester, MN 55905  
 Telephone: 507-284-3681  
 Fax: 507-284-8137  
 E-mail: [rfrye@mayo.edu](mailto:rfrye@mayo.edu)  
 Spouse: Margaret Ellen  
 AUC Status: Emeritus  
 Member since 1979

**William H. Gaasch, M.D.**

Professor of Medicine, Univ. of Mass. Medical School  
 Director, Cardiovascular Research  
 Lahey Clinic  
 41 Mall Road  
 Burlington, MA 01805  
 Telephone: 781-744-8535  
 Fax: 781-744-5261  
 E-mail: [william.gaasch@lahey.org](mailto:william.gaasch@lahey.org)  
 Spouse: Rita  
 AUC Status: Emeritus  
 Member since 1982

**Mario R. Garcia-Palmieri, M.D.**

Distinguished Professor  
 Head, Department of Medicine and Adult Cardiology Section  
 University of Puerto Rico School of Medicine  
 Med. Science Campus, GPO Box 365067  
 San Juan, PR 00936-5067  
 Telephone: 787-767-8499  
 Fax: 787-754-1739  
 E-mail: [mgarcia@rcm.upr.edu](mailto:mgarcia@rcm.upr.edu)  
 Spouse: Raffy  
 AUC Status: Emeritus  
 Member since 1971

**Peter C. Gazes, M.D.**

Professor of Medicine  
 Distinguished Clinical Professor of Cardiology  
 Medical University of South Carolina  
 Strom Thurmond Bldg., Room 113 Gazes  
 114 Doughty Street  
 Charleston, SC 29425  
 Telephone: 843-792-2420  
 Fax: 843-792-7771  
 E-mail: [paddockl@musc.edu](mailto:paddockl@musc.edu)  
 Spouse: Athena  
 AUC Status: Emeritus  
 Member since 1982

**Gary Gerstenblith, M.D.**

Professor of Medicine  
 Cardiology Division  
 The Johns Hopkins Hospital  
 591 Carnegie Building  
 600 N. Wolfe Street  
 Baltimore, MD 21287  
 Telephone: 410-955-6834  
 Fax: 410-614-9422  
 E-mail: [gblith@mail.jhmi.edu](mailto:gblith@mail.jhmi.edu)  
 Spouse: Garth Ann  
 AUC Status: Active  
 Member since 2007

**Valentin Fuster, M.D., Ph.D.**

Director, Mount Sinai Heart  
 Director, Zena & Michael A. Wiener Cardiovascular Institute and of the Marie-Josée and Henry R. Kravis Center for Cardiovascular Health  
 Richard Gorlin, M.D., Heart Research Foundation Professor  
 Cardiology  
 Mt. Sinai Medical Center  
 One Gustave L. Levy Place  
 New York, NY 10029  
 Telephone: 212-241-7911  
 Fax: 212-423-9488  
 E-mail: [valentin.fuster@mssm.edu](mailto:valentin.fuster@mssm.edu)  
 Spouse: Maria-Angeles  
 AUC Status: Emeritus  
 Member since 1984

**Peter Ganz, M.D.**

Maurice Eliaser Jr. Distinguished Professor of Medicine  
 University of California, San Francisco  
 Chief, Division of Cardiology  
 San Francisco General Hospital  
 1001 Potrero Avenue, Room 5G1  
 San Francisco, CA 94110  
 Telephone: 415-206-3503  
 Fax: 415-206-5447  
 E-mail: [ganzp@medsfgh.ucsf.edu](mailto:ganzp@medsfgh.ucsf.edu)  
 Spouse: Mimi Ganz  
 AUC Status: Active  
 Member since 2009

**Daniel J. Garry, M.D.**

Professor, Medicine/Cardiology  
 University of Minnesota-Twin Cities  
 Mayo Mail Code 508  
 420 Delaware St SE  
 Minneapolis, MN 55455  
 Telephone: 612-625-9538 (Marissa)  
 Fax: 612-626-4411  
 E-mail: [garry@umn.edu](mailto:garry@umn.edu)  
 Spouse: Mary  
 AUC Status: Active  
 Member since 2008

**Bernard J. Gersh, M.D., M.B., Ch.B., D.Phil.**

Professor of Medicine & Consultant in Cardiovascular Diseases  
 Mayo Clinic  
 Cardiology Division  
 200 First Street SW  
 Rochester, MN 55905  
 Telephone: 507-284-4441  
 Fax: 507-266-7929  
 E-mail: [gersh.bernard@mayo.edu](mailto:gersh.bernard@mayo.edu)  
 Spouse: Ann  
 AUC Status: Emeritus  
 Member since 1994

**Leonard S. Gettes, M.D.**

Henry A. Foscoe Distinguished Professor of Cardiology  
 University of North Carolina at Chapel Hill School of Medicine  
 Department of Medicine, Division of Cardiology  
 CB #7075 Burnett-Womack Building  
 Chapel Hill, NC 27599-7075  
 Telephone: 919-966-5203  
 Fax: 919-966-1743  
 E-mail: [lgettes@med.unc.edu](mailto:lgettes@med.unc.edu)  
 Spouse: Ann Gettes, M.D.  
 AUC Status: Emeritus  
 Member since 1979



**Gary H. Gibbons, M.D.**  
Professor of Medicine  
Director, Cardiovascular Research Institute  
Morehouse School of Medicine  
720 Westview Drive, SW  
Atlanta, GA 30310-1495  
Telephone: 404-752-1545  
Fax: 404-752-1042  
E-mail: [ggibbons@msm.edu](mailto:ggibbons@msm.edu)  
Spouse:  
AUC Status: Active  
Member since 2007

**Samuel Z. Goldhaber, M.D.**  
Professor of Medicine  
Cardiovascular Division  
Brigham & Women's Hospital  
75 Francis Street  
Boston, MA 02115  
Telephone: 857-307-1932  
Fax: 857-307-1955  
E-mail: [sgoldhaber@partners.org](mailto:sgoldhaber@partners.org)  
Spouse: Reeve  
AUC Status: Active  
Member since 2007

**Sidney Goldstein, M.D.**  
Division Head Emeritus  
Professor of Medicine  
Henry Ford/ Division of Cardiovascular Medicine  
Case Western University  
2799 West Grand Blvd.  
Detroit, MI 48202-2689  
Telephone: 313-876-2727  
Fax: 313-556-8205  
E-mail: [sgoldst1@hfhs.org](mailto:sgoldst1@hfhs.org)  
Spouse: Phoebe  
AUC Status: Emeritus  
Member since 1995

**William Grossman, M.D.**  
Charles & Helen Schwab Endowed Chair in Preventive Cardiology  
Director, Center for Prevention of Heart & Vascular Disease  
Professor of Medicine/Cardiology Division  
UCSF School of Medicine/Medical Center  
505 Parnassus Ave., M-1182, Box 0124  
San Francisco, CA 94143-0124  
Telephone: 415-514-0992  
Fax: 415-502-7949  
E-mail: [grossman@medicine.ucsf.edu](mailto:grossman@medicine.ucsf.edu)  
Spouse: Melanie  
AUC Status: Emeritus  
Member since 1983

**David D. Gutterman, M.D.**  
Northwestern Mutual Professor of Cardiology  
Senior Associate Dean for Research  
Medical College of Wisconsin  
8701 Watertown Plank Road  
Milwaukee, WI 53226  
Telephone: 414-456-8495  
Fax: 414-456-6560  
E-mail: [dgutt@mcw.edu](mailto:dgutt@mcw.edu)  
Spouse: Elizabeth Gutterman  
AUC Status: Active  
Member since 2004

**Raymond J. Gibbons, M.D.**  
Arthur M. & Gladys D. Gray Professor of Medicine  
Mayo Medical School/Mayo Clinic  
200 First Street SW  
Rochester, MN 55905  
Telephone: 507-284-2541  
Fax: 507-266-0229  
E-mail: [gibbons.raymond@mayo.edu](mailto:gibbons.raymond@mayo.edu)  
Spouse: Nuala Deirdre Gibbons  
AUC Status: Active  
Member since 2001

**Pascal J. Goldschmidt-Clermont, M.D.**  
Senior Vice President for Medical Affairs and Dean  
University of Miami Leonard M. Miller School of Medicine  
Post Office Box 016099 (R-699)  
Miami, FL 33101  
Telephone: 305-243-6545  
Fax: 305-243-4888  
E-mail: [pgoldschmidt@med.miami.edu](mailto:pgoldschmidt@med.miami.edu)  
Spouse: Emily Ann Boches  
AUC Status: Inactive  
Member since 2002

**Augustus O. Grant, M.D., Ph.D.**  
Professor of Medicine  
Duke University Medical Center  
321 Sands Building, Research Drive  
Department of Medicine  
Durham, NC 27710  
Telephone: 919-684-3901  
Fax: 919-684-8978  
E-mail: [grant007@mc.duke.edu](mailto:grant007@mc.duke.edu)  
Spouse: Stephanie Jean Pennington  
AUC Status: Active  
Member since 2001

**Rolf M. Gunnar, M.D.**  
Emeritus Professor of Medicine, Loyola University  
737 Godair Circle  
Ruth Lake Woods  
Hinsdale, IL 60521-8104  
Telephone: 630-920-0937  
Fax: 630-920-0385  
E-mail: [rgunnar@sbcglobal.net](mailto:rgunnar@sbcglobal.net)  
Spouse: Marge  
AUC Status: Emeritus  
Member since 1974

**Robert J. Hall, M.D.**  
Professor of Medicine  
Dir., Card. Education. St. Luke's Episcopal Hosp. & Texas Heart Inst.  
Baylor Coll. of Med. & UT Med. School at Houston  
P. O. Box 20269  
Mail Code (1-133)  
Houston, TX 77225-0269  
Telephone: 713-791-4135  
Fax: 713-791-3729  
E-mail: [rjhall@wt.net](mailto:rjhall@wt.net)  
Spouse: Dorothy  
AUC Status: Emeritus  
Member since 1978

**E. William Hancock, M.D.**

Professor of Medicine, Emeritus  
 Cardiovascular Medicine Division  
 Stanford University School of Medicine  
 Room H-2157  
 300 Pasteur Drive  
 Stanford, CA 94305  
 Telephone: 415-723-7491  
 Fax: 415-725-7568  
 E-mail: [ewhancock@aol.com](mailto:ewhancock@aol.com)  
 Spouse: Joan  
 AUC Status: Emeritus  
 Member since 1964

**David G. Harrison, M.D.**

Professor of Medicine  
 Division of Cardiology  
 Emory University School of Medicine  
 1639 Pierce Drive, 308 WMB  
 Atlanta, GA 30322  
 Telephone: 404-727-8386  
 Fax: 404-727-3585  
 E-mail: [dharr02@emory.edu](mailto:dharr02@emory.edu)  
 Spouse: Vicki  
 AUC Status: Active  
 Member since 1994

**David L. Hayes, M.D.**

Professor of Medicine  
 Mayo Clinic  
 200 First Street, S.W.  
 Rochester, MN 55905  
 Telephone: 507-284-4554  
 Fax: 507-266-0016  
 E-mail: [hayes.david@mayo.edu](mailto:hayes.david@mayo.edu)  
 Spouse: Dr. Sharonne Hayes  
 AUC Status: Active  
 Member since 2005

**Michael V. Herman, M.D.**

Chair, Department of Medicine  
 Vice President, Medicine Service Line  
 St. Vincent's Medical Center  
 2800 Main Street  
 Bridgeport, CT 06601  
 Telephone: 203-576-5440  
 Fax: 203-576-5022  
 E-mail: [mvherman@stvincents.org](mailto:mvherman@stvincents.org)  
 Spouse: Christine  
 AUC Status: Emeritus  
 Member since 1975

**Joseph A. Hill, M.D., Ph.D.**

Professor of Medicine & Molecular Biology  
 James T. Willerson M.D. Distinguished Chair in Heart Research  
 Frank M. Ryburn, Jr. Chair in Heart Research  
 Director, Harry S. Moss Heart Center  
 Chief, Division of Cardiology  
 University of Texas Southwestern Med. Ctr.  
 6000 Harry Hines Boulevard, NB11.200  
 Dallas, TX 75390 - 8573  
 Telephone: 214-648-1400  
 Fax: 214-648-1450  
 E-mail: [joseph.hill@utsouthwestern.edu](mailto:joseph.hill@utsouthwestern.edu)  
 Spouse: Beverly  
 AUC Status: Active  
 Member since 2003

**Joshua M. Hare, M.D., F.A.C.C.**

Louis Lemberg Professor of Medicine  
 Chief, Cardiovascular Division  
 Director, Interdisciplinary Stem Cell Institute  
 University of Miami Miller School of Medicine  
 Division of Cardiology  
 P. O. Box 019132 (C-205)  
 Miami, FL 33101  
 Telephone: 305-243-1998  
 Fax: 305-243-1894  
 E-mail: [jhare@med.miami.edu](mailto:jhare@med.miami.edu)  
 Spouse: Lee  
 AUC Status: Active  
 Member since 2007

**Donald C. Harrison, M.D.**

Senior Vice President and  
 Provost for Health Affairs Emeritus  
 University of Cincinnati Academic Health Center  
 PO Box 670669  
 Cincinnati, OH 45267-0669  
 Telephone: 513-475-6643  
 Fax: 513-475-6645  
 E-mail: [don@clsvc.com](mailto:don@clsvc.com)  
 Spouse: Laura  
 AUC Status: Emeritus  
 Member since 1972

**Donald D. Heistad, M.D.**

Zahn Professor of Int. Med. and Pharmacology  
 University of Iowa College of Medicine  
 Department of Internal Medicine  
 200 Hawkins Dr, E311-1 GH  
 Iowa City, IA 52242  
 Telephone: 319-356-2706  
 Fax: 319-353-6343  
 E-mail: [donald-heistad@uiowa.edu](mailto:donald-heistad@uiowa.edu)  
 Spouse: Patricia Westmoreland  
 AUC Status: Emeritus  
 Member since 1993

**Roger B. Hickler, M.D.**

20 Wintergreen Court #B  
 Lunenburg, MA 01462-1180  
 Telephone:  
 Fax:  
 E-mail:  
 Spouse:  
 AUC Status: Emeritus  
 Member since 1973

**Leslie David Hillis, M.D.**

Chairman, Department of Medicine  
 University of Texas Health Science Center  
 7703 Floyd Curl Drive  
 San Antonio, TX 78229-3900  
 Telephone: 210-567-4810  
 Fax: 210-567-4654  
 E-mail: [hillisd@uthscsa.edu](mailto:hillisd@uthscsa.edu)  
 Spouse: Nancy  
 AUC Status: Emeritus  
 Member since 1992

**David R. Holmes, Jr., M.D.**

Professor of Medicine  
 Saint Mary's Hospital/Mayo Clinic  
 Cardiac Cath Lab, MB4-523  
 200 First Street, S.W.  
 Rochester, MN 55905  
 Telephone: 507-255-2504  
 Fax: 507-255-2550  
 E-mail: [holmes.david@mayo.edu](mailto:holmes.david@mayo.edu)  
 Spouse: Virginia Zuehlke  
 AUC Status: Active  
 Member since 2004

**Leo G. Horan, M.D.**

Professor of Medicine  
 University of Kentucky  
 6691 Guadalupe Trail NW  
 Albuquerque, NM 87107  
 Telephone: 606-678-0678 606-875-0309  
 Fax: 505-344-4983  
 E-mail: [leohoran@aol.com](mailto:leohoran@aol.com)  
 Spouse: Nancy Flowers, M.D.  
 AUC Status: Emeritus  
 Member since 1976

**J. Willis Hurst, M.D.**

Emory University School of Medicine  
 1462 Clifton Road NE  
 Atlanta, GA 30322  
 Telephone: 404-727-3530  
 Fax: 404-727-3309  
 E-mail:  
 Spouse: Nelie  
 AUC Status: Emeritus  
 Member since 1962

**Seigo Izumo, M.D.**

Senior Vice-President  
 Cardiovascular Therapeutics  
 Gilead Sciences  
 333 Lakeside Drive  
 Foster City, CA 94404  
 Telephone: 650-574-3000  
 Fax:  
 E-mail:  
 Spouse: Hiroko Izumo  
 AUC Status: Inactive

**Judith S. Hochman, M.D.**

Clinical Chief of Cardiology  
 Director, Cardiovascular Clinical Research  
 Harold Snyder Family Professor of Cardiology  
 New York University School of Medicine  
 530 First Avenue, HCC 1173  
 New York, NY 10016  
 Telephone: 212-263-6927  
 Fax: 212-263-7129  
 E-mail: [Judith.Hochman@med.nyu.edu](mailto:Judith.Hochman@med.nyu.edu)  
 Spouse: Richard Fuchs, M.D.  
 AUC Status: Active  
 Member since 2007

**William B. Hood, Jr. M.D.**

Emeritus Professor of Medicine  
 University of Rochester School of Medicine  
 Clinical Professor of Medicine  
 University of Washington School of Medicine  
 450 NE 100<sup>th</sup> Street #628  
 Edmonds, WA 98125  
 Telephone: 206-524-3848  
 Fax: 425-697-6270  
 E-mail: [williamhood@cs.com](mailto:williamhood@cs.com)  
 Spouse: Kay  
 AUC Status: Emeritus  
 Member since 1973

**J. O'Neal Humphries, M.D.**

3631 Devereaux Road  
 Columbia, SC 29205-1932  
 Telephone: 803-254-1511  
 Fax:  
 E-mail:  
 Spouse: Mary  
 AUC Status: Emeritus  
 Member since 1969

**Ami E. Iskandrian, M.D.**

Director, Nuclear Cardiology  
 Distinguished Professor of Medicine  
 University of Alabama at Birmingham  
 THT, Room 311  
 1900 University Boulevard  
 Birmingham, AL 35294  
 Telephone: 205-934-0545  
 Fax: 205-934-7579  
 E-mail: [aiskand@uab.edu](mailto:aiskand@uab.edu)  
 Spouse: Greta  
 AUC Status: Emeritus  
 Member since 1997

**Alice K. Jacobs, M.D.**

Professor of Medicine  
 Director, Cardiac Cath Lab and Interventional Cardiology  
 Boston University School of Medicine  
 88 East Newton Street  
 Boston, MA 02118  
 Telephone: 617-638-8707  
 Fax: 617-638-8719  
 E-mail: [alice.jacobs@bmc.org](mailto:alice.jacobs@bmc.org)  
 Spouse: Kenneth Jacobs  
 AUC Status: Active  
 Member since 2000

**Allan S. Jaffe, M.D.**

Professor of Medicine  
Mayo Clinic  
Cardiovascular Division, Gonda 5  
200 - 1st Street SW  
Rochester, MN 55905  
Telephone: 507-284-1648  
Fax: 507-266-0228  
E-mail: [jaffe.allan@mayo.edu](mailto:jaffe.allan@mayo.edu)  
Spouse:  
AUC Status: Emeritus  
Member since 1999

**Mark E. Josephson, M.D.**

Herman Dana Professor of Medicine  
Chief, Cardiovascular Division  
Director, Harvard-Thorndike  
Electrophysiology institute & Arrhythmia Service  
Beth Israel Deaconess Medical Center  
185 Pilgrim Road, Baker 4  
Boston, MA 02215  
Telephone: 617-632-7393  
Fax: 617-632-7620  
E-mail:  
Spouse: Joan  
AUC Status: Emeritus  
Member since 1983

**Joel S. Karliner, M.D.**

Associate Chief of Medicine for Research  
Professor of Medicine, UCSF  
University of California, San Francisco  
Veterans Administration Medical Center  
4150 Clement Street  
San Francisco, CA 94121  
Telephone: 415-221-4810, ext. 3171  
Fax: 415-750-6950  
E-mail: [Joel.Karliner@med.va.gov](mailto:Joel.Karliner@med.va.gov)  
Spouse: Adela  
AUC Status: Emeritus  
Member since 1987

**John A. Kastor, M.D.**

Professor of Medicine, Cardiology Division  
University of Maryland Medical System  
110 South Paca Street, Room 2N-139  
Baltimore, MD 21201  
Telephone: 410-328-6727  
Fax: 410-328-8087  
E-mail: [jkastor@medicine.umaryland.edu](mailto:jkastor@medicine.umaryland.edu)  
Spouse: Mae  
AUC Status: Emeritus  
Member since 1979

**Sanjiv Kaul, M.D.**

Chief, Cardiovascular Medicine, UHN62  
Oregon Health & Science University  
Cardiology - UHN 62  
3181 SW Sam Jackson Park Road  
Portland, OR 97239  
Telephone: 503-494-8750  
Fax: 503-494-8550  
E-mail: [kauls@ohsu.edu](mailto:kauls@ohsu.edu)  
Spouse:  
AUC Status: Active  
Member since 1997

**Walter E. Judson, M.D.**

844 Fleetwood Drive  
Indianapolis, IN 46228  
Telephone: 317-274-8953  
Fax: 317-274-2278  
E-mail:  
Spouse: Marcella Judson  
AUC Status: Emeritus  
Member since 1962

**David A. Kass, M.D.**

Professor of Medicine and Biomedical Engineering  
The Johns Hopkins University School of Medicine  
720 Rutland Ave./Ross 835  
Baltimore, MD 21205  
Telephone: 410-955-7153  
Fax: 410-502-2558  
E-mail: [dkass@jhmi.edu](mailto:dkass@jhmi.edu)  
Spouse: Judy Center  
AUC Status: Active  
Member since 2004

**Arnold M. Katz, M.D.**

(University of Connecticut School of Medicine)  
1592 New Boston Road, PO Box 1048  
Norwich, VT 05055  
Telephone: 802-649-3947  
Fax: 802-649-1746  
E-mail: [arnold.m.katz@dartmouth.edu](mailto:arnold.m.katz@dartmouth.edu)  
Spouse: Phyllis  
AUC Status: Emeritus  
Member since 1982

**John F. Keaney, Jr., M.D.**

Professor of Medicine  
Chief, Division of Cardiovascular Medicine  
U Mass Medical School and U Mass Memorial Healthcare  
55 Lake Avenue North, S3-855  
Worcester, MA 01605  
Telephone: 508-334-2266  
Fax: 508-856-4571  
E-mail: [John.Keaney@umassmed.edu](mailto:John.Keaney@umassmed.edu)  
Spouse: Donna Keaney  
AUC Status: Active  
Member since 2008

**Richard E. Kerber, M.D.**  
Professor of Medicine  
University of Iowa College of Medicine  
Cardiovascular Division, 4207 RCP  
200 Hawkins Drive  
Iowa City, IA 52242-1009  
Telephone: 319-356-2739  
Fax: 319-356-4552  
E-mail: [richard-kerber@uiowa.edu](mailto:richard-kerber@uiowa.edu)  
Spouse: Linda Kerber, Ph.D.  
AUC Status: Emeritus  
Member since 1985

**Richard N. Kitsis, M.D.**  
Dorros Professor of Medicine and Cell Biology  
Chief, Division of Cardiology  
Director, Cardiovascular Research Center  
Albert Einstein College of Medicine  
1300 Morris Park Avenue  
Forchheimer G46  
Bronx, NY 10461  
Telephone: 718-430-2609  
Fax: 718-430-8989  
E-mail: [kitsis@aeom.yu.edu](mailto:kitsis@aeom.yu.edu)  
Spouse: Elizabeth Kitsis, M.D.  
AUC Status: Active  
Member since 2004

**Frank E. Kloster, M.D.**  
Professor Emeritus  
Oregon Health Science University School of Medicine  
9449 NE Blackcap Lane  
Newberg, OR 97132  
Telephone: 503-538-3488  
Fax:  
E-mail:  
Spouse: Darlene  
AUC Status: Emeritus  
Member since 1980

**Kirk U. Knowlton, M.D.**  
Professor of Medicine  
Chief, Division of Cardiology  
UCSD Medical Center  
200 West Arbor Dr.  
San Diego, CA 92103-8411  
Telephone: 619-543-8213  
Fax: 619-543-5576  
E-mail: [kknowlton@ucsd.edu](mailto:kknowlton@ucsd.edu)  
Spouse: Brenda Knowlton  
AUC Status: Active  
Member since 2005

**John Basil Kostis, M.D.**  
Professor of Medicine and Pharmacology  
Chairman, Department of Medicine  
UMDNJ/Robert Wood Johnson Medical School  
Department of Medicine, CN19  
One Robert Wood Johnson Place  
New Brunswick, NJ 08903-0019  
Telephone: 732-235-7685  
Fax: 732-235-7039  
E-mail: [kostis@umdnj.edu](mailto:kostis@umdnj.edu)  
Spouse: Barbara  
AUC Status: Emeritus  
Member since 1984

**Thomas Killip, M.D.**  
Cardiologist  
Beth Israel Medical Center  
Professor of Medicine  
Albert Einstein College of Medicine  
16th Street and First Avenue  
New York, NY 10003  
Telephone: 212-420-4010  
Fax: 212-420-2881  
E-mail:  
Spouse: Diana Killip, MD  
AUC Status: Emeritus  
Member since 1966

**Francis J. Klocke, M.D.**  
Professor of Medicine  
Director, Feinberg Cardiovascular Research Institute  
Northwestern University Medical School  
Tarry 12-703  
303 E. Chicago Avenue  
Chicago, IL 60611-3008  
Telephone: 312-503-2296  
Fax: 312-503-0137  
E-mail: [f-klocke@northwestern.edu](mailto:f-klocke@northwestern.edu)  
Spouse: Ann  
AUC Status: Emeritus  
Member since 1971

**Suzanne B. Knoebel, M.D.**  
Herman C. & Elnora D. Krannert Professor of Medicine  
Indiana University School of Medicine  
Krannert Institute of Cardiology  
1800 N. Capitol Ave., Room E300  
Indianapolis, IN 46202  
Telephone: 317-962-0061  
Fax: 317-962-0065  
E-mail: [sknoebel@iupui.edu](mailto:sknoebel@iupui.edu)  
Spouse:  
AUC Status: Emeritus  
Member since 1973

**Marvin A. Konstam, M.D.**  
Chief, Physician Executive, The Cardiovascular Center  
Professor of Medicine  
Tufts Medical Center  
800 Washington Street, Box 108  
Boston, MA 02111  
Telephone: 617-636-6293  
Fax: 617-636-7667  
E-mail: [mkonstam@tuftsmedicalcenter.org](mailto:mkonstam@tuftsmedicalcenter.org)  
Spouse: Varda Slomowitz Konstam, Ph.D.  
AUC Status: Active  
Member since 1999

**Christopher M. Kramer, M.D.**  
Professor of Medicine and Radiology  
Director, Cardiovascular Imaging Center  
University of Virginia Health System  
1215 Lee Street,  
PO Box 800170  
Charlottesville, VA 22908  
Telephone: 434-243-0736  
Fax: 434-982-1998  
E-mail: [ckramer@virginia.edu](mailto:ckramer@virginia.edu)  
Spouse: Catherine C. Kramer, M.D.  
AUC Status: Active  
Member since 2010

**Norman Krasnow, M.D.**  
29 West 82nd St.  
New York, NY 10024  
Telephone: 718-270-1568  
Fax: 718-270-3343  
E-mail:  
Spouse: Helen  
AUC Status: Emeritus  
Member since 1973

**Richard A. Lange, M.D.**  
Professor of Medicine  
Executive Vice Chairman of Medicine  
University of Texas Health Science Center of San Antonio  
7703 Floyd Curl Drive MC7870.  
San Antonio, TX 78229-3901  
Telephone: 210-567-4812  
Fax: 210-567-4654  
E-mail: [langera@uthscsa.edu](mailto:langera@uthscsa.edu)  
Spouse: Bobette  
AUC Status: Active  
Member since 2006

**Ralph Lazzara, M.D.**  
Professor of Medicine  
Director of Heart Rhythm Institute  
University of Oklahoma Health Sciences Center  
1200 Everett Drive, Room 6E103  
Oklahoma City, OK 73104-5047  
Telephone: 405-271-9696  
Fax: 405-271-7455  
E-mail: [ralph-lazzara@ouhsc.edu](mailto:ralph-lazzara@ouhsc.edu)  
Spouse: Barbara  
AUC Status: Emeritus  
Member since 1984

**Richard F. Leighton, M.D.**  
Professor of Medicine  
Mercer University  
4 Creek Marsh Lane  
Savannah, GA 31411-2896  
Telephone: 912-598-9334  
Fax: 912-598-4322  
E-mail: [leighri1@memorialhealth.com](mailto:leighri1@memorialhealth.com)  
Spouse: Frances  
AUC Status: Emeritus  
Member since 1976

**Benjamin D. Levine, M.D., FACC, FACSM**  
Professor of Medicine, UT Southwestern Medical Center  
Director, Inst. for Exercise and Environmental Medicine  
7232 Greenville Avenue, #435  
Dallas, TX 75231  
Telephone: 214-345-4619  
Fax: 214-345-4618  
E-mail: [benjaminlevine@texashealth.org](mailto:benjaminlevine@texashealth.org)  
Spouse: Mindy Levine  
AUC Status: Active  
Member since 2008

**Hiroshi Kuida, M.D.**  
2651 South 9040 West  
Magna, UT 84044  
Telephone:  
Fax:  
E-mail:  
Spouse:  
AUC Status: Emeritus  
Member since 1973

**John H. Laragh, M.D.**  
Director, Cardiovascular Center  
Weill Medical College of Cornell University  
New York Presbyterian Hospital  
525 East 68th Street, Suite M-401, #266  
New York, NY 10021  
Telephone: 212-746-2206/2211  
Fax: 212-746-8077  
E-mail: [jhl2001@med.cornell.edu](mailto:jhl2001@med.cornell.edu)  
Spouse: Jean E. Sealey  
AUC Status: Emeritus  
Member since 1983

**Carl V. Leier, M.D.**  
James W. Overstreet Professor of Medicine and Pharmacology  
Ohio State University College of Medicine  
Div. of Cardiology, Davis HLRI  
473 West 12th Avenue  
Columbus, OH 43210  
Telephone: 614-247-7764  
Fax: 614-247-7757  
E-mail: [leier-1@medctr.osu.edu](mailto:leier-1@medctr.osu.edu)  
Spouse: Jolene  
AUC Status: Emeritus  
Member since 1987

**Bruce B. Lerman, M.D.**  
Chief, Division of Cardiology  
Director, Cardiac EP Laboratory  
The New York Hospital-Cornell Medical Center  
Division of Cardiology  
525 East 68th St., Starr-4  
New York, NY 10021  
Telephone: 212-746-2169  
Fax: 212-746-8451  
E-mail: [blerman@med.cornell.edu](mailto:blerman@med.cornell.edu)  
Spouse:  
AUC Status: Active  
Member since 1996

**Herbert J. Levine, M.D.**  
16 Fountain St.  
West Newton, MA 02465  
Telephone: 617-332-9380  
Fax:  
E-mail: [hlevine920@aol.com](mailto:hlevine920@aol.com)  
Spouse: Sandra  
AUC Status: Emeritus  
Member since 1965



**Martin M. LeWinter, M.D.**

Professor of Medicine and Molecular Physiology and Biophysics  
Associate Chairman, Department of Medicine  
Director, Heart Failure and Cardiomyopathy Program  
University of Vermont College of Medicine  
Burlington, VT 05401  
Telephone: 802-847-3734  
Fax: 802-847-3637  
E-mail: [martin.lewinter@vtmednet.org](mailto:martin.lewinter@vtmednet.org)  
Spouse: Barbara  
AUC Status: Emeritus  
Member since 1987

**Peter Libby, M.D.**

Chief, CV Division, Brigham & Women's Hosp.  
Mallinckrodt Professor of Medicine, Harvard Med. Sch.  
Brigham and Women's Hospital  
75 Francis Street  
Boston, MA 02115  
Telephone: 617-732-8086  
Fax: 617-264-5111  
E-mail: [plibby@rics.bwh.harvard.edu](mailto:plibby@rics.bwh.harvard.edu)  
Spouse: Beryl Benacerraf, M.D.  
AUC Status: Active  
Member since 1999

**William C. Little, M.D.**

Chief, Cardiology Section  
Professor of Medicine  
Wake Forest University School of Medicine  
Medical Center Boulevard  
Winston-Salem, NC 27157  
Telephone: 336-716-4342  
Fax: 336-716-9188  
E-mail: [wlittle@wfubmc.edu](mailto:wlittle@wfubmc.edu)  
Spouse: Connie  
AUC Status: Active  
Member since 1990

**Carlin S. Long, M.D.**

Professor of Medicine  
University of Colorado  
Cardiology Section Box 0960  
Denver Health Medical Center  
777 Bannock Street  
Denver, CO 80204  
Telephone: 303-436-5499  
Fax: 303-436-7739  
E-mail: [clong@dhha.org](mailto:clong@dhha.org)  
Spouse: Elizabeth O'Donnell  
AUC Status: Active  
Member since 2002

**Joseph Loscalzo, M.D., Ph.D.**

Hersey Professor of the Theory and Practice of Medicine  
Chairman, Department of Medicine  
Brigham and Women's Hospital  
75 Francis Street  
Boston, MA 02115  
Telephone: 617-732-6340  
Fax: 617-732-6439  
Email: [jloscalzo@partners.org](mailto:jloscalzo@partners.org)  
Spouse: Anita  
AUC Status: Active  
Member since 1994

**Bruce T. Liang, M.D.**

Professor of Medicine  
University of Connecticut Health Center  
Cardiology Department  
263 Farmington Ave.  
Farmington, CT 06030  
Telephone: 860-679-2059  
Fax: 860-679-1426  
E-mail: [bliang@uchc.edu](mailto:bliang@uchc.edu)  
Spouse: Tina  
AUC Status: Active  
Member since 2005

**A. James Liedtke, M.D.**

Professor Emeritus, Section of Cardiology  
University of Wisconsin  
209 Natchez Trace  
Madison, WI 53705  
Telephone: 608-233-1164  
Fax:  
E-mail:  
Spouse: Caroline  
AUC Status: Emeritus  
Member since 1987

**Barry London, M.D., Ph.D.**

Associate Professor of Medicine  
Director, Cardiovascular Institute  
University of Pittsburgh Medical Center  
Cardiovascular Institute, S-572 Scaife Hall  
200 Lothrop St.  
Pittsburgh, PA 15213  
Telephone: 412-647-1174  
Fax: 412-647-3913  
E-mail: [londonb@upmc.edu](mailto:londonb@upmc.edu)  
Spouse: Linda M. Cadaret  
AUC Status: Active  
Member since 2005

**Beverly H. Lorell, M.D.**

Senior Medical and Policy Advisor  
King & Spalding LLP, FDA/Healthcare Team  
1700 Pennsylvania Avenue, N.W.  
Washington, D.C. 20006  
Telephone: 202-383-8937  
Fax:  
E-mail: [blorell@kslaw.com](mailto:blorell@kslaw.com)  
Spouse: John Krikorian, M.D.  
AUC Status: Inactive  
Member since 1998

**Craig R. Malloy, M.D.**

Professor of Internal Medicine  
Professor of Radiology  
University of Texas Southwestern Medical Center at Dallas  
Medical Director, Advanced Imaging Research Center (Building NE)  
5323 Harry Hines Blvd.  
Dallas, TX 75390-8568  
Telephone: 214-645-2720  
Fax: 214-645-2744  
E-mail: [Craig.Malloy@UTSouthwestern.edu](mailto:Craig.Malloy@UTSouthwestern.edu)  
Spouse: Debbie  
AUC Status: Active  
Member since 2007

**Douglas L. Mann, M.D.**

Lewin Chair and Professor of Medicine  
 Chief, Division of Cardiology  
 Washington University at St. Louis  
 Cardiologist-in-Chief, Barnes Jewish Hospital  
 660 S. Euclid Avenue, PO Box 8066  
 St. Louis, MO 63110  
 Telephone: 314:362-8908  
 Fax: 314-454-5550  
 Email: [dmann@dom.wustl.edu](mailto:dmann@dom.wustl.edu)  
 Spouse: Laura Ann Colletti, M.D.  
 AUC Status: Active  
 Member since 1996

**Frank I. Marcus, M.D.**

Professor Emeritus  
 University of Arizona College of Medicine  
 Department of Internal Medicine  
 1501 N. Campbell Avenue  
 Tucson, AZ 85724-5037  
 Telephone: 520-626-6358  
 Fax: 520-694-4833  
 E-mail: [fmarcus@email.arizona.edu](mailto:fmarcus@email.arizona.edu)  
 Spouse: Janet  
 AUC Status: Emeritus  
 Member since 1989

**James Dalton Marsh, M.D.**

Nolan Professor and Chair  
 Department of Internal Medicine  
 University of Arkansas for Medical Sciences College of Medicine  
 4301 W. Markham St. #832  
 Little Rock, AR 72205  
 Telephone: 501-686-7045  
 Fax: 501-686-8188  
 E-mail: [JDMarsh@uams.edu](mailto:JDMarsh@uams.edu)  
 Spouse: Susan  
 AUC Status: Emeritus  
 Member since 2000

**Dean T. Mason, M.D.**

Physician-in-Chief, Western Heart Institute  
 University of California, San Francisco  
 St. Mary's Medical Center  
 44725 Country Club Drive  
 El Macero, CA 95618  
 Telephone: 530-756-4180  
 Fax: 530-756-4150  
 E-mail:  
 Spouse: Maureen  
 AUC Status: Emeritus  
 Member since 1969

**Elizabeth M. McNally, M.D., Ph.D.**

Professor of Medicine  
 Director, Institute of Cardiovascular Research  
 The University of Chicago  
 Department of Medicine/Cardiology  
 5841 S. Maryland Ave., MC 6088  
 Chicago, IL 60637  
 Telephone: 773-702-2672  
 Fax: 773-702-2681  
 E-mail: [emcnally@uchicago.edu](mailto:emcnally@uchicago.edu)  
 Spouse: Stephen J. Kron  
 AUC Status: Active  
 Member since 2004

**Eduardo Marban, M.D., Ph.D.**

Director of the Heart Institute  
 Cedars Sinai Medical Center  
 8700 Beverly Blvd.  
 Los Angeles, CA 90048  
 Telephone: 310-423-3300  
 Fax:  
 E-mail: [Eduardo.Marban@csmc.edu](mailto:Eduardo.Marban@csmc.edu)  
 Spouse: Linda Marban, Ph.D.  
 AUC Status: Active  
 Member since 1992

**Allyn L. Mark, M.D.**

Roy J. Carver Professor of Medicine  
 University of Iowa College of Medicine  
 200 Medicine Admin. Bldg.  
 Iowa City, IA 52242  
 Telephone: 319-353-5676  
 Fax: 319-335-8318  
 E-mail: [allyn-mark@uiowa.edu](mailto:allyn-mark@uiowa.edu)  
 Spouse:  
 AUC Status: Emeritus  
 Member since 1978

**Robert J. Marshall, M.D., FRCP, MACP**

Professor Emeritus, Medicine & Physiology  
 Clinical Professor of Cardiology—  
 West VA Univ School of Medicine  
 93 Camelot Drive  
 Huntington, WV 25701  
 Telephone: 304-529-0281  
 Fax: 304-529-6177  
 E-mail: [zzmarshall@cs.com](mailto:zzmarshall@cs.com)  
 Spouse: Mabel Stevenson, M.D.  
 AUC Status: Emeritus  
 Member since 1963

**David McCall, M.D., Ph.D.**

Charles Conrad Brown and Anna Sahm Brown Distinguished  
 Professor in Cardiovascular Disease  
 University of Texas Medical School at San Antonio  
 Department of Medicine, Cardiology Division  
 7703 Floyd Curl Drive  
 San Antonio, TX 78284-7872  
 Telephone: 210-567-4600  
 Fax: 210-567-6960  
 E-mail: [mccalld@uthscsa.edu](mailto:mccalld@uthscsa.edu)  
 Spouse: Doris  
 AUC Status: Emeritus  
 Member since 1990



**Mandeep A. Mehra, M.D.**

Professor of Medicine  
Head, Division of Cardiology  
University of Maryland School of Medicine  
22 S. Green St., Room S3B06  
Baltimore, MD 21201  
Telephone: 410-328-2056  
Fax:  
E-mail: [mmehra@medicine.umaryland.edu](mailto:mmehra@medicine.umaryland.edu)  
Spouse: Gayati Mehra  
AUC Status: Active  
Member since 2006

**Michael E. Mendelsohn, M.D.**

Elisa Kent Mendelsohn Professor of Molecular Cardiology & Medicine  
Tufts University School of Medicine  
800 Washington Street, Box 80  
Boston, MA 02111  
Telephone: 617-636-9370  
Fax: 617-636-1444  
E-mail: [MMendelsohn@tuftsmedicalcenter.org](mailto:MMendelsohn@tuftsmedicalcenter.org)  
Spouse: Anne B. Kent  
AUC Status: Active  
Member since 2005

**Thomas M. Michel, M.D., Ph.D.**

Chief of Cardiology  
Associate Professor of Medicine  
VA Boston Healthcare System  
Brigham and Women's Hospital  
Harvard Medical School  
75 Francis Street  
Boston, MA 02115  
Telephone: 617-732-7376  
Fax: 617-732-5132  
E-mail: [michel@rics.bwh.harvard.edu](mailto:michel@rics.bwh.harvard.edu)  
Spouse: Sara Lewis  
AUC Status: Inactive  
Member since 2002

**Jere H. Mitchell, M.D.**

Professor of Medicine and Physiology  
Harry S. Moss Heart Center  
University of Texas Southwestern  
5323 Harry Hines Boulevard  
Dallas, TX 75235-9174  
Telephone: 214-648-3424  
Fax: 214-648-3566  
E-mail: [jere.mitchell@utsouthwestern.edu](mailto:jere.mitchell@utsouthwestern.edu)  
Spouse: Pam  
AUC Status: Emeritus  
Member 1968-1988 & since 1992

**David J. Moliterno, M.D.**

Professor & Vice Chair of Medicine  
Chief, Cardiovascular Medicine  
University of Kentucky School of Medicine  
900 S. Limestone  
Lexington, KY 40536-0200  
Telephone: 859-323-5843  
Fax: 859-257-3537  
E-mail: [moliterno@uky.edu](mailto:moliterno@uky.edu)  
Spouse: Judith Moliterno  
AUC Status: Active  
Member since 2008

**Jawahar L. Mehta, M.D., Ph.D.**

Chief, Division of Cardiovascular Disease  
Stebbins Professor of Internal Medicine & Physiology  
University of Arkansas for Medical Sciences  
4301 West Markham  
Mail Slot 532  
Little Rock, AR 72205-7199  
Telephone: 501-296-1401  
Fax: 501-686-6180  
E-mail: [mehtajl@uams.edu](mailto:mehtajl@uams.edu)  
Spouse: Paulette  
AUC Status: Active  
Member since 1998

**Joseph V. Messer, M.D.**

Professor of Medicine  
Rush University Medical Center  
Cardiovascular Associates of Glenbrook & Evanston, LLC  
2501 Compass Road, Suite 100  
Glenview, IL 60026-3824  
Telephone: 847-869-1499  
Fax: 847-901-5250  
E-mail: [josephvmesser@aol.com](mailto:josephvmesser@aol.com)  
Spouse: Nancy Lee Koch Messer  
AUC Status: Emeritus  
Member since 1972

**Holly R. Middlekauff, M.D.**

Professor of Medicine and Physiology  
David Geffen School of Medicine  
University of California at Los Angeles  
Division of Cardiology, 47-123 CHS  
10833 Le Conte Avenue  
Los Angeles, CA 90095-1679  
Telephone: 310-206-6672  
Fax: 310-206-9133  
E-mail: [hmiddlekauff@mednet.ucla.edu](mailto:hmiddlekauff@mednet.ucla.edu)  
Spouse: Michael Katz  
AUC Status: Active  
Member since 2007

**T. William Moir, M.D.**

Professor of Medicine (Emeritus)  
(disabled-daughter requested he be removed from mailing list 3/08)  
Spouse: Marian  
AUC Status: Emeritus  
Member since 1962

**James P. Morgan, M.D., Ph.D.**

Professor of Medicine  
Chief, Division of Cardiovascular Medicine, Caritas St.  
Elizabeth's Medical Center  
Director, Cardiovascular Center, Caritas Christi Health Care  
System  
736 Cambridge St.  
Boston, MA 02135  
Telephone: 617-789-2226  
Fax: 617-779-6218  
E-mail: [James.Morgan@caritaschristi.org](mailto:James.Morgan@caritaschristi.org)  
Spouse: Kathleen Greive Morgan  
AUC Status: Active  
Member since 1995

**Hiltrud S. Mueller, M.D.**  
Professor of Medicine  
Albert Einstein College of Medicine  
Montefiore Medical Center  
Division of Cardiology  
111 East 210th Street  
Bronx, NY 10467  
Telephone: 212-737-7571  
Fax: 212-737-7571  
E-mail: [Hmueller@montefiore.org](mailto:Hmueller@montefiore.org)  
Spouse:  
AUC Status: Emeritus  
Member since 1982

**Charles B. Mullins, M.D.**  
Executive Vice Chancellor for Health Affairs Emeritus  
Ashbel Smith Professor Emeritus  
4203 Farhills Drive  
Austin, TX 78731-2813  
Telephone: 512-346-0400  
Fax: 512-346-5854  
E-mail: [cmullins@austin.rr.com](mailto:cmullins@austin.rr.com)  
Spouse: Stella  
AUC Status: Emeritus  
Member since 1974

**Robert J. Myerburg, M.D.**  
Professor of Medicine and Physiology  
Director, Division of Cardiology  
University of Miami School of Medicine  
Division of Cardiology (D-39), Box 016960  
Miami, FL 33101  
Telephone: 305-585-5523  
Fax: 305-585-7089  
E-mail: [rmyerbur@med.miami.edu](mailto:rmyerbur@med.miami.edu)  
Spouse: Wilhelmina  
AUC Status: Emeritus  
Member since 1976

**Steven E. Nissen, M.D., MACC**  
Professor and Chairman  
Department of Cardiovascular Medicine  
Cleveland Clinic Foundation  
Desk F 15, 9500 Euclid Avenue  
Cleveland, OH 44195  
Telephone: 216-445-6852  
Fax: 216-445-6855  
E-mail: [nissens@ccf.org](mailto:nissens@ccf.org)  
Spouse: Linda Butler  
AUC Status: Active  
Member since 2008

**Patrick T. O'Gara, M.D.**  
Associate Professor of Medicine  
Cardiovascular Division  
Brigham and Women's Hospital  
75 Francis Street  
Boston, MA 02115  
Telephone: 617-732-8380  
Fax: 617-732-7134  
E-mail: [pogara@partners.org](mailto:pogara@partners.org)  
Spouse: Laura  
AUC Status: Active  
Member since 2007

**James E. Muller, M.D.**  
CEO, President, CMO  
InfraReDx  
34 Third Avenue  
Burlington, MA 01803  
Telephone: 781-221-0053  
Fax:  
E-mail: [jmuller@infraredx.com](mailto:jmuller@infraredx.com)  
Spouse: Kathleen Muller  
AUC Status: Emeritus  
Member since 1992

**Anthony J. Muslin, M.D.**  
Professor of Medicine, and Cell Biology and Physiology  
University of Washington in St. Louis  
600 S. Euclid Avenue, Campus Box 8086  
St. Louis, MO 63110  
Telephone: 314-747-3525  
Fax: 314-362-0186  
E-mail: [amuslin@im.wustl.edu](mailto:amuslin@im.wustl.edu)  
Spouse: Emily  
AUC Status: Active  
Member since 2007

**Gerald V. Naccarelli, M.D.**  
Chief, Division of Cardiology  
Penn State Heart & Vascular Institute, Professor of Medicine  
Pennsylvania State University College of Medicine  
Division of Cardiology, Milton S. Hershey Medical Center  
PO Box 850, 500 University Dr., MC HO47, Room H1511  
Hershey, PA 17033  
Telephone: 717-531-3907  
Fax: 717-531-4077  
E-mail: [gnaccarelli@psu.edu](mailto:gnaccarelli@psu.edu)  
Spouse: Theresa  
AUC Status: Active  
Member since 1997

**Elizabeth O. Ofili, M.D., M.P.H., F.A.C.C.**  
Professor of Medicine  
Chief, Section of Cardiology  
Director, Clinical Research Center  
Morehouse School of Medicine  
720 Westview Drive, S.W.  
Atlanta, GA 30310-1495  
Telephone: 404-756-5051  
Fax: 404-756-8812  
E-mail: [ofilie@msm.edu](mailto:ofilie@msm.edu)  
Spouse: Chamberlain Obialo, M.D.  
AUC Status: Active  
Member since 2007

**E. Magnus Ohman, M.D., FRCPI, FACC**  
Professor of Medicine  
Duke University Medical Center  
P.O. Box 3126  
Durham, NC 27710  
Telephone: 919-681-2069  
FAX: 919-681-4454  
E-mail: [erik.ohman@duke.edu](mailto:erik.ohman@duke.edu)  
Spouse: Elspeth O'Reilly-Hyland  
AUC Status: Active  
Member since 2002

**Jeffrey E. Olgin, M.D.**

Professor of Medicine  
Chief of Cardiology & Chief of Electrophysiology  
University of California, San Francisco  
500 Parnassus Avenue  
MU East, Room 433, Box 1354  
San Francisco, CA 94143  
Telephone: 415-476-5706  
Fax: 415-476-6260  
E-mail: [olgin@medicine.ucsf.edu](mailto:olgin@medicine.ucsf.edu)  
Spouse: Kristine Madsen  
AUC Status: Active  
Member since 2010

**Robert A. O'Rourke, M.D.**

Charles Conrad Brown Distinguished Professor in Cardiovascular Disease  
University of Texas Health Science Center at San Antonio  
Division of Cardiology  
7703 Floyd Curl Drive  
San Antonio, TX 78284  
Telephone: 210-567-4590  
Fax: 210-567-4687  
E-mail: [orourke@uthscsa.edu](mailto:orourke@uthscsa.edu)  
Spouse: Suanne  
AUC Status: Emeritus  
Member since 1976

**Richard L. Page, M.D.**

George R. and Elaine Love Professor  
Chair, Department of Medicine  
University of Wisconsin School of Medicine & Public Health  
1685 Highland Avenue, Suite 5000  
Madison, WI 53705-2281  
Telephone: 608-263-1792  
Fax: 608-262-6743  
E-mail: [rpage@medicine.wisc.edu](mailto:rpage@medicine.wisc.edu)  
Spouse: Jean Reynolds Page  
AUC Status: Active  
Member since 2004

**Michael Scott Parmacek, M.D.**

Chief, Cardiovascular Medicine  
Herbert C. Rorer Professor of Medicine  
University of Pennsylvania Health System  
Founders 9123  
3400 Spruce Street  
Philadelphia, PA 19104-4283  
Telephone: 215-662-3140 office; 215-573-8990 lab  
Fax: 215-349-8017  
E-mail: [michael.parmacek@uphs.upenn.edu](mailto:michael.parmacek@uphs.upenn.edu)  
Spouse: Lisa Gottschalk, Ph.D.  
AUC Status: Active  
Member since 1999

**Pamela Ouyang, M.B.B.S.**

Professor of Medicine  
Johns Hopkins University School of Medicine  
Deputy Director of the Institute for Clinical & Translational Research  
Division of Cardiology  
John Hopkins Bayview Medical Center  
4940 Eastern Avenue  
Baltimore, MD 21224 -2735  
Telephone: 410-550-0853  
Fax: 410-550-1183  
E-mail: [pouyang@jhmi.edu](mailto:pouyang@jhmi.edu)  
Spouse: Thomas Moench  
AUC Status: Active  
Member since 2007

**Alfred F. Parisi, M.D.**

Professor of Medicine, Emeritus  
Brown University School of Medicine  
c/o The Miriam Hospital  
164 Summit Avenue  
Providence, RI 02906  
Telephone: 401-793-4102  
Fax: 401-793-4049  
E-mail: [echodoc628@verizon.net](mailto:echodoc628@verizon.net)  
Spouse: Anna  
AUC Status: Active  
Member since 1990

**Joseph E. Parrillo, M.D.**

Professor of Medicine  
Robert Wood Johnson Medical School  
Division of Cardiovascular Disease & Critical Care Medicine  
Cooper Hospital/UMC  
One Cooper Plaza  
Camden, NJ 08103  
Telephone: 856-342-2604  
Fax: 856-541-2357  
E-mail: [parrillo-joseph@cooperhealth.edu](mailto:parrillo-joseph@cooperhealth.edu)  
Spouse: Gale  
AUC Status: Active  
Member since 1999

**Cam Patterson, M.D., MBA**

Ernest and Hazel Craige Distinguished Professor of Cardiovascular Medicine  
Chief, Division of Cardiology  
Director, UNC McAllister Heart Institute  
The University of North Carolina at Chapel Hill  
CB #7075, 6th Floor Burnett-Womack Building  
099 Manning Drive  
Chapel Hill, NC 27599  
Telephone: 919-843-6477  
Fax: 919-843-4585  
E-mail: [cpatters@med.unc.edu](mailto:cpatters@med.unc.edu)  
Spouse: Kristine  
AUC Status: Active  
Member since 2004

**Joseph K. Perloff, M.D.**

Streisand/American Heart Association Prof. of Med. & Pediatrics, Emeritus  
Founding Director, Ahmanson/UCLA Adult Congenital Heart Disease Ctr.  
University of California, Los Angeles  
Division of Cardiology, Rm. 47-123 CHS  
10833 LeConte Avenue  
Los Angeles, CA 90095  
Telephone: 310-825-2019  
Fax: 310-825-6346  
E-mail: [josephperloff@earthlink.net](mailto:josephperloff@earthlink.net)  
Spouse: Marjorie  
AUC Status: Emeritus

**David J. Pinsky, M.D.**

J. Griswold Ruth MD & Margery Hopkins Professor of Internal Medicine  
Professor of Molecular and Integrative Physiology  
Taubman Scholar  
Chief, Cardiovascular Medicine  
Director, Cardiovascular Center  
University of Michigan Health System  
2141 CVC Cardiovascular Medicine  
1500 East Medical Center Drive  
Ann Arbor, MI 48109-5853  
Telephone: 734-936-3500  
Fax: 734-232-4129  
E-mail: [dpinsky@umich.edu](mailto:dpinsky@umich.edu)  
Spouse: Renee Pinsky, M.D.  
AUC Status: Active  
Member since 2004

**Richard L. Popp, M.D.**

Professor of Medicine (Emeritus)  
876 Miranda Green  
Palo Alto, CA 94306  
Telephone: 650-941-8686  
E-mail: [rich.popp@gmail.com](mailto:rich.popp@gmail.com)  
Spouse: Janis Sherman Popp  
AUC Status: Emeritus  
Member since 1986

**Carl J. Pepine, M.D.**

Eminent Scholar, AHA - Suncoast Chapter Chair  
Professor and Director, Division of Cardiovascular Medicine  
University of Florida College of Medicine  
1600 SW Archer Road/Box 100277  
Gainesville, FL 32610-0277  
Telephone: 352-846-0620  
Fax: 352-371-0370  
E-mail: [pepincj@medicine.ufl.edu](mailto:pepincj@medicine.ufl.edu)  
Spouse: Lynn  
AUC Status: Emeritus  
Member since 1985

**Marc A. Pfeffer, M.D., Ph.D.**

Professor of Medicine  
Cardiovascular Division  
Brigham and Women's Hospital  
Department of Medicine  
75 Francis Street  
Boston, MA 02115  
Telephone: 617-732-5681  
Fax: 617-732-5291  
E-mail: [mpfeffer@partners.org](mailto:mpfeffer@partners.org)  
Spouse: Honorable Marianne Bowler  
AUC Status: Active  
Member since 2006

**Bertram Pitt, M.D.**

Professor of Medicine, Emeritus  
University of Michigan Medical School  
1500 E. Medical Center Drive, SPC 5853  
Ann Arbor, MI 48109-5853  
Telephone: 734-936-5260  
Fax: 734-936-5256  
E-mail: [bpitt@umich.edu](mailto:bpitt@umich.edu)  
Spouse: Elaine  
AUC Status: Emeritus  
Member since 1978

**Arshed A. Quyyumi, M.D.**

Professor of Medicine  
Emory University School of Medicine  
Division of Cardiology  
1364 Clifton Road NE, Suite D403C  
Atlanta, GA 30322  
Telephone: 404-712-2741  
Fax: 404-712-0149  
E-mail: [aquyyum@emory.edu](mailto:aquyyum@emory.edu)  
Spouse: Anees Quyyumi, M.D.  
AUC Status: Active  
Member since 2006

**Charles E. Rackley, M.D.**

Professor  
 Georgetown University School of Medicine  
 Pasquerilla Healthcare Center, 5th Floor  
 3800 Reservoir Road NW  
 Washington, DC 20007  
 Telephone: 202-444-8843  
 Fax: 202-444-7503  
 E-mail: [rackleyc@gunet.georgetown.edu](mailto:rackleyc@gunet.georgetown.edu)  
 Spouse: Betsy  
 AUC Status: Emeritus  
 Member since 1974

**Shahbudin H. Rahimtoola, M.D.**

Distinguished Professor, USC  
 G. C. Griffith Professor of Cardiology  
 LAC+USC Medical Center/Cardiology  
 1200 North State Street/Old GNH Room #7131  
 Los Angeles, CA 90033  
 Telephone: 323-226-7264  
 Fax: 323-221-4428  
 E-mail: [rahimtoo@usc.edu](mailto:rahimtoo@usc.edu)  
 Spouse: Shameem  
 AUC Status: Emeritus  
 Member since 1978

**Timothy J. Regan, M.D.**

Professor of Medicine  
 Director, Division of Cardiovascular Diseases  
 New Jersey Medical School  
 185 South Orange Avenue, Rm. I-536  
 Newark, NJ 07103-2714  
 Telephone: 201-456-4731  
 Fax: 201-456-6837  
 E-mail:  
 Spouse: Adele  
 AUC Status: Emeritus  
 Member since 1973

**Robert Roberts, M.D.**

President & CEO  
 University of Ottawa Heart Institute  
 40 Ruskin Street  
 Ottawa, Ontario K1Y 4W7  
 Canada  
 Telephone: 613-761-4779  
 Fax: 613-761-5323  
 E-mail: [rroberts@ottawaheart.ca](mailto:rroberts@ottawaheart.ca)  
 Spouse: Donna  
 AUC Status: Emeritus  
 Member since 1986

**Rose Marie Robertson, M.D.**

Chief Science Officer  
 American Heart Association  
 7272 Greenville Avenue  
 Dallas, TX 75231-4596  
 Telephone: 214-706-1295  
 Fax: 214-373-9818  
 E-mail: [rosemarie.robertson@heart.org](mailto:rosemarie.robertson@heart.org)  
 Spouse: David  
 AUC Status: Emeritus  
 Member since 1990

**Paolo Raggi, M.D., F.A.C.P., F.A.C.C.**

Professor of Medicine and Radiology  
 Director, Emory Cardiac Imaging Center  
 Emory University School of Medicine  
 1365 Clifton Road NE., Suite AT 504  
 Atlanta, GA 30322  
 Telephone: 404-778-5414  
 Fax: 404-778-3540  
 E-mail: [praggi@emory.edu](mailto:praggi@emory.edu)  
 Spouse: Jennifer  
 AUC Status: Active  
 Member since 2007

**Ernest W. Reynolds, Jr. M.D.**

University of Wisconsin Medical School  
 17 Red Maple Trail  
 Madison, WI 53717  
 Telephone: 608-833-3324  
 Fax:  
 E-mail:  
 Spouse:  
 AUC Status: Emeritus  
 Member since 1966

**William C. Roberts, M.D.**

Executive Director, Baylor Heart & Vascular Institute  
 Baylor University Medical Center  
 3500 Gaston Avenue, Suite H-030  
 Dallas, TX 75246  
 Telephone: 214-820-7911  
 Fax: 214-820-7533  
 E-mail: [wc.roberts@baylorhealth.edu](mailto:wc.roberts@baylorhealth.edu)  
 Spouse:  
 AUC Status: Emeritus  
 Member since 1977

**Dan Mark Roden, M.D., C.M.**

Professor, Medicine and Pharmacology  
 William Stokes Professor of Experimental Therapeutics  
 Director, John Oates Institute for Experimental Therapeutics  
 Assistant Vice-Chancellor for Personalized Medicine  
 Vanderbilt University School of Medicine  
 1285B Medical Research Building-IV  
 2215B Garland Avenue  
 Nashville, TN 37232-0575  
 Telephone: 615-322-0067  
 Fax: 615-322-0067  
 E-mail: [dan.roden@vanderbilt.edu](mailto:dan.roden@vanderbilt.edu)  
 Spouse: Rosemary Roden  
 AUC Status: Active  
 Member since 2009

**John Ross, Jr., M.D.**

Distinguished Professor of Medicine Emeritus  
 University of California, San Diego  
 8599 Prestwick Drive  
 LaJolla, CA 92037  
 Telephone: 858-534-3347  
 Fax: 858-534-1626  
 E-mail: [jross@ucsd.edu](mailto:jross@ucsd.edu)  
 Spouse: Lola  
 AUC Status: Emeritus  
 Member since 1969

**John D. Rutherford, M.D.**

Vice President for Clinical Operations  
 Jonsson-Rogers Chair in Cardiology  
 University of Texas Southwestern Medical Center  
 5323 Harry Hines Boulevard  
 Dallas, TX 75390-8570  
 Telephone: 214-648-0400  
 Fax: 214-648-8052  
 E-mail: [john.rutherford@utsouthwestern.edu](mailto:john.rutherford@utsouthwestern.edu)  
 Spouse: Cynthia  
 AUC Status: Active  
 Member since 1999

**Charles A. Sanders, M.D.**

Former Chairman and Chief Executive Officer, Glaxo Inc.  
 Europa Center  
 100 Europa Dr., Suite 170  
 Chapel Hill, NC 27517  
 Telephone: 919-932-6998  
 Fax: 919-932-7588  
 E-mail:  
 Spouse: Elizabeth Ann  
 AUC Status: Emeritus  
 Member since 1970

**James Scheuer, M.D.**

Professor and Chairman Emeritus of Medicine  
 Albert Einstein College of Medicine, Dept. of Medicine  
 1300 Morris Park Ave.  
 Golding 01F  
 Bronx, NY 10461-1975  
 Telephone: 718-430-3448  
 Fax: 718-430-8989  
 E-mail: [james.scheuer@einstein.yu.edu](mailto:james.scheuer@einstein.yu.edu)  
 Spouse: Ruth  
 AUC Status: Emeritus

**Christine E. Seidman, M.D.**

Professor of Medicine & Genetics  
 Director, Cardiovascular & Genetics Center  
 Brigham & Women's Hospital  
 75 Francis Street  
 Boston, MA 02115  
 Telephone: 617-432-7871  
 Fax: 617-432-7832  
 E-mail: [c.seidman@genetics.med.harvard.edu](mailto:c.seidman@genetics.med.harvard.edu)  
 Spouse: Jon Seidman, M.D.  
 AUC Status: Active  
 Member since 2004

**Marschall Stevens Runge, M.D., Ph.D.**

Marion Covington Distinguished Professor of Medicine  
 Chair, Department of Medicine  
 University of North Carolina at Chapel Hill  
 Department of Medicine  
 3033 Old Clinic Bldg., Campus Box 7005  
 Chapel Hill, NC 27599-4468  
 Telephone: 919-966-1328  
 Fax: 919-843-5945  
 E-mail: [Marschall\\_Runge@med.unc.edu](mailto:Marschall_Runge@med.unc.edu)  
 Spouse: Susan Runge, M.D.  
 AUC Status: Active  
 Member since 1996

**Thomas J. Ryan, M.D.**

Professor of Medicine  
 Boston University School of Medicine  
 University Hospital  
 88 East Newton Street  
 Boston, MA 02118  
 Telephone: 617-638-8710  
 Fax: 617-638-8719  
 E-mail: [Thomas.Ryan@bmc.org](mailto:Thomas.Ryan@bmc.org)  
 Spouse: Nancy  
 AUC Status: Emeritus  
 Member since 1978

**Douglas B. Sawyer, M.D., Ph.D.**

Professor of Medicine  
 Chief, Cardiovascular Medicine  
 Vanderbilt University  
 2220 Pierce Avenue  
 383 Preston Research Bldg.  
 Nashville, TN 37232-6300  
 Telephone: 615-936-1717  
 Fax: 615-936-2029  
 E-mail: [douglas.b.sawyer@vanderbilt.edu](mailto:douglas.b.sawyer@vanderbilt.edu)  
 Spouse: Sheila Sawyer  
 AUC Status: Active  
 Member since 2010

**Ralph Shabetai, M.D.**

Professor of Medicine, UCSD  
 University of California, San Diego  
 Veterans Administration Medical Center  
 Cardiology Section - 111A  
 San Diego, CA 92161  
 Telephone: 858-642-3546  
 Fax: 858-459-3546  
 E-mail: [rshabetai@ucsd.edu](mailto:rshabetai@ucsd.edu)  
 Spouse: Estelle  
 AUC Status: Emeritus  
 Member since 1970



**Pravin M. Shah, M.D.**

Medical Director of Non-Invasive Cardiac Imaging and Academic Programs  
Hoag Heart Institute  
1 Hoag Drive, Box 6100  
Newport Beach, CA 92658-6100  
Telephone: 949-760-2123  
Fax: 949-548-3188  
E-mail: [pshah@hoaghospital.org](mailto:pshah@hoaghospital.org)  
Spouse: Katherine  
AUC Status: Emeritus  
Member since 1978

**James A. Shaver, M.D.**

Professor of Medicine  
University of Pittsburgh School of Medicine  
SCAIF S555 Scaife Hall  
200 Lothrop St.  
Pittsburgh, PA 15213  
Telephone: 412-647-3429  
Fax: 412-647-0481  
E-mail: [shaverja@upmc.edu](mailto:shaverja@upmc.edu)  
Spouse: Kathleen  
AUC Status: Emeritus  
Member since 1975

**Michael Simons, M.D.**

Professor of Medicine, Pharmacology, & Toxicology  
Dartmouth-Hitchcock Medical Center  
One Medical Center Drive  
Lebanon, NH 03756  
Telephone: 603-650-3540  
Fax: 603-650-5171  
E-mail: [Michael.Simons@Dartmouth.edu](mailto:Michael.Simons@Dartmouth.edu)  
Spouse: Katerina Simons  
AUC Status: Active  
Member since 2004

**Richard W. Smalling, M.D., Ph.D.**

Co-Director, Division of Cardiology  
Jay Brent Sterling Professor of CV Medicine  
University of Texas-Houston Medical School  
6431 Fannin, MSB 1.246  
Houston, TX 77030  
Telephone: 713-500-6559  
Fax: 713-500-6560  
E-mail: [Richard.W.Smalling@uth.tmc.edu](mailto:Richard.W.Smalling@uth.tmc.edu)  
Spouse: Sharon  
AUC Status: Active  
Member since 1999

**Sidney C. Smith, Jr. M.D.**

Director, Center for Cardiovascular Science and Medicine  
Professor of Medicine  
University of North Carolina at Chapel Hill  
CB #7075, 6th Floor Burnett-Womack Building  
160 Dental Circle  
Chapel Hill, NC 27599-7075  
Telephone: 919-966-0732  
Fax: 919-966-1743  
E-mail: [scs@med.unc.edu](mailto:scs@med.unc.edu)  
Spouse: Lucy  
AUC Status: Emeritus  
Member since 1996

**Prediman K. Shah, MD**

Director, Division of Cardiology & Atherosclerosis Research Ctr.  
Cedars-Sinai Medical Center  
8700 Beverly Boulevard, Room 5531  
Los Angeles, CA 90048  
Telephone: 310-423-3884  
Fax: 310-423-0144  
E-mail: [shahp@csnhs.org](mailto:shahp@csnhs.org)  
AUC Status: Active  
Membership since: 2009

**Daniel I. Simon, M.D.**

Chief, Division of Cardiovascular Medicine  
Director, Harrington-McLaughlin Heart & Vascular Institute  
University Hospitals Case Medical Center  
Herman K. Hellerstein Professor of Cardiovascular Research  
Director, Case Cardiovascular Center  
Case Western Reserve University School of Medicine  
Division of Cardiology  
11100 Euclid Avenue, LKS 3001  
Cleveland, OH 44106-5038  
Telephone: 216-844-5347  
Fax: 216-983-3202  
E-mail: [daniel.simon@uhhospitals.org](mailto:daniel.simon@uhhospitals.org)  
Spouse: Marcy Schwartz, M.D.  
AUC Status: Active  
Member since 2007

**Bramah N. Singh, M.D., D.Phil.**

Professor of Medicine  
Staff Cardiologist  
UCLA, VA Medical Center  
Cardiology Section, W111E  
11301 Wilshire Blvd.  
Los Angeles, CA 90073  
Telephone: 310-268-3646  
Fax: 310-268-4288  
E-mail: [bsingh@ucla.edu](mailto:bsingh@ucla.edu)  
Spouse: Roshni  
AUC Status: Emeritus  
Member since 1994

**Hugh C. Smith, M.D.**

Professor of Medicine  
Chief Executive Officer  
Mayo Clinic and Foundation  
200 First Street SE  
Rochester, MN 55905  
Telephone: 507-266-4861  
Fax: 507-284-0574  
E-mail: [hcsmith@mayo.edu](mailto:hcsmith@mayo.edu)  
Spouse: Aynsley  
AUC Status: Emeritus  
Member since 1987

**Peter M. Snyder, M.D.**

Professor of Medicine  
University of Iowa  
371 EMRB  
Iowa City, IA 52242  
Telephone: 319-353-5941  
Fax: 319-353-5942  
E-mail: [peter-snyder@uiowa.edu](mailto:peter-snyder@uiowa.edu)  
Spouse: Joyce  
AUC Status: Active  
Member since 2004

**Burton E. Sobel, M.D.**

University Distinguished Professor of Medicine  
Director, CVRI  
University of Vermont  
Colchester Research Facility  
208 South Park Drive  
Colchester, VT 05446  
Telephone: 802-656-8955  
Fax: 802-656-8957  
E-mail: [burton.sobel@uvm.edu](mailto:burton.sobel@uvm.edu)  
Spouse: Susan  
AUC Status: Emeritus  
Member since 1974

**James F. Spann, M.D.**

Executive Associate Dean  
Professor of Medicine  
Medical University of South Carolina College of Medicine  
Cardiology Division, Clinical Sci. Bldg.  
171 Ashley Avenue  
Charleston, SC 24925  
Telephone: 843-792-3355  
Fax: 843-792-7771  
E-mail:  
Spouse: Connie  
AUC Status: Emeritus  
Member since 1973

**William Stevenson, M.D.**

Professor of Medicine  
Harvard Medical School  
Director, Clinical Cardiac Electrophysiology Program  
Brigham & Women's Hospital  
75 Francis St.  
Boston, MA 02115  
Telephone: 857-307-1948  
Fax: 857-307-1944  
E-mail: [wstevenson@partners.org](mailto:wstevenson@partners.org)  
Spouse: Lynne Warner Stevenson, M.D.  
AUC Status: Active  
Member since 2008

**Harold Carl Strauss, M.D.**

Professor and Chairman  
University of Buffalo, SUNY  
3435 Main Street -- 124 Sherman Hall  
Buffalo, NY 14214-3078  
Telephone: 716-829-2738  
Fax: 716-829-2344  
E-mail: [hstrauss@buffalo.edu](mailto:hstrauss@buffalo.edu)  
Spouse: Laura  
AUC Status: Emeritus  
Member since 1985

**Burton S. Tabakin, M.D.**

Professor of Medicine, Emeritus  
University of Vermont College of Medicine  
50 Northshore Drive  
Burlington, VT 05401  
Telephone: 802-864-0868  
Fax:  
E-mail:  
Spouse: Beatrice [Bee]  
AUC Status: Emeritus  
Member since 1971

**Virend K. Somers, M.D., Ph.D.**

Professor of Medicine  
Division of Cardiovascular Diseases  
Mayo Clinic  
200 First Street, S.W.  
Rochester, MN 55905  
Telephone: 507-255-1144  
Fax: 507-255-7070  
E-mail: [somers.virend@mayo.edu](mailto:somers.virend@mayo.edu)  
Spouse:  
AUC Status: Active  
Member since 2003

**Lynne Warner Stevenson, M.D.**

Professor of Medicine  
Clinical Director, Cardiomyopathy and Heart Failure Program  
Brigham & Women's Hospital  
75 Francis St.  
Boston, MA 02115  
Telephone: 617-732-7406  
Fax: 617-732-7139  
E-mail: [l Stevenson@partners.org](mailto:l Stevenson@partners.org)  
Spouse: William Stevenson, M.D.  
AUC Status: Active  
Member since 2008

**Peter H. Stone, M.D.**

Associate Professor of Medicine  
Co-Director, Cardiac Unit  
Brigham & Women's Hospital  
75 Francis St.  
Boston, MA 02115  
Telephone: 857-307-1965  
Fax: 857-307-1955  
E-mail: [pstone@partners.org](mailto:pstone@partners.org)  
AUC Status: Active  
Member since 2010

**Borys Surawicz, M.D.**

Emeritus Professor of Medicine  
Indiana University School of Medicine  
6 Madeira Court  
Palm Coast, FL 32137-2103  
Telephone:  
Fax:  
E-mail:  
Spouse: Frida  
AUC Status: Emeritus  
Member since 1966

**Mark B. Taubman, M.D.**

Professor of Medicine  
Dean, School of Medicine & Dentistry  
University Vice President for Health Sciences  
University of Rochester  
601 Elmwood Avenue, Box 706  
Rochester, NY 14642  
Telephone: 585-275-0017  
Fax: 585-256-1131  
E-mail: [mark\\_taubman@urmc.rochester.edu](mailto:mark_taubman@urmc.rochester.edu)  
Spouse: Lois B. Taubman  
AUC Status: Active  
Member since 2004



**W. Jape Taylor, M.D.**

Distinguished Service Professor of Medicine, Emeritus  
University of Florida College of Medicine  
Department of Medicine, Box 100277  
Gainesville, FL 32610-0277  
Telephone: 352-392-3481  
Fax: 352-392-5250  
E-mail:  
Spouse: Audrey  
AUC Status: Emeritus  
Member since 1967

**James Eric Udelson, M.D.**

Associate Chief, Division of Cardiology  
Associate Professor of Medicine & Radiology  
Tufts University School of Medicine  
750 Washington Street  
Boston, MA 02111  
Telephone: 617-636-8066  
Fax: 617-636-2276  
E-mail: [judelson@tufts-nemc.org](mailto:judelson@tufts-nemc.org)  
Spouse: Martha Bassett  
AUC Status: Active  
Member since 2004

**George Wayne Vetrovec, M.D.**

Chairman, Division of Cardiology  
Medical College of Virginia, Campus of VCU  
Box 980036  
Richmond, VA 23298  
Telephone: 804-628-1215 (Cindy)  
Fax: 804-828-8321  
E-mail: [gvetrovec@mcvh.vcu.edu](mailto:gvetrovec@mcvh.vcu.edu)  
Spouse:  
AUC Status: Emeritus  
Member since 1998

**Flordeliza S. Villanueva, M.D.**

Associate Professor of Medicine  
Director, Non-Invasive Cardiovascular Imaging  
Director, Center for Ultrasound Molecular Imaging and Therapeutics  
Cardiovascular Institute, University of Pittsburgh Medical Center  
A351 PUH, 200 Lothrop street  
Pittsburgh, PA 15213  
Telephone: 412-647-5840  
Fax: 412-647-4227  
E-mail: [villanuevafs@upmc.edu](mailto:villanuevafs@upmc.edu)  
Spouse: Thomas Wilson Kamarck, Ph.D.  
AUC Status: Active  
Member since 2008

**Albert Leon Waldo, M.D.**

The Walter H. Pritchard Professor of Cardiology  
Prof. of Medicine and Biomedical Engineering  
Case Western Reserve University School of Medicine  
University Hospitals of Cleveland  
11100 Euclid Ave.  
Cleveland, OH 44106  
Telephone: 216-844-7690  
Fax: 216-844-7196  
E-mail: [albert.waldo@case.edu](mailto:albert.waldo@case.edu)  
Spouse: Rosin  
AUC Status: Emeritus  
Member since 1978

**Gordon F. Tomaselli, M.D.**

Professor of Medicine  
Vice Chairman for Research  
Johns Hopkins University  
720 Rutland Ave., Ross 844  
Baltimore, MD 21205  
Telephone: 410-955-2774  
Fax: 410-502-2096  
E-mail: [gtomasel@jhmi.edu](mailto:gtomasel@jhmi.edu)  
Spouse: Charlene Tomaselli  
AUC Status: Active  
Member since 2004

**Douglas Eugene Vaughan, M.D.**

Irving S. Cutter Professor and Chair  
Northwestern University  
Feinberg School of Medicine  
Department of Medicine  
Galter Pavilion, Suite 3-150  
251 East Huron Street  
Chicago, IL 60611  
Telephone: 312-926-9436  
Fax: 312-926-7260  
E-mail: [d-vaughan@northwestern.edu](mailto:d-vaughan@northwestern.edu)  
Spouse:  
AUC Status: Active  
Member since 2001

**Ronald G. Victor, M.D.**

Professor  
Associate Director, Clinical Research  
Director, Hypertension Center  
The Heart Institute  
Cedars-Sinai Medical Center  
8700 Beverly Boulevard, South Tower, Room 5722  
Los Angeles, CA 90048  
Telephone: 310-423-3300 – 310 248-7641 (direct)  
Fax: 310-423-3522  
E-mail: [ronald.victor@cschs.org](mailto:ronald.victor@cschs.org)  
Spouse: Vicki Adams Victor  
AUC Status: Active  
Member since 1999

**Joseph A. Vita, M.D.**

Professor of Medicine  
Director, Clinical Research, Department of Medicine  
Section of Cardiology  
Boston Medical Center  
88 East Newton Street  
Boston, MA 02118  
Telephone: 617-638-8742  
Fax: 617-638-8712  
E-mail: [jvita@bu.edu](mailto:jvita@bu.edu)  
Spouse: Gina  
AUC Status: Active  
Member since 2007

**Richard A. Walsh, M.D.**

John H. Hord Professor and Chairman  
Department of Medicine  
Case Western Reserve University and  
Physician-in-Chief  
University Hospitals  
11100 Euclid Avenue, LKS5029  
Cleveland, OH 44106-5029  
Telephone: 216-844-3293  
Fax: 216-844-3145  
E-mail: [Richard.Walsh@UHhospitals.org](mailto:Richard.Walsh@UHhospitals.org)  
Spouse: Donna C.  
AUC Status: Emeritus  
Member since 1991

**J. Anthony Ware, M.D.**

Group Vice President,  
Neuroscience, Cardiovascular, Musculoskeletal & Cialis Product  
Development  
Eli Lilly & Company  
Lilly Corporate Center  
Indianapolis, IN 46285-0001  
Telephone: 317-651-1034  
Fax: 317-276-7478  
E-mail: [jaware@lilly.com](mailto:jaware@lilly.com)  
Spouse: Anastasia Martin-Ware  
AUC Status: Inactive  
Member since 1998

**Myron L. Weisfeldt, M.D.**

William Osler Professor of Medicine  
Director, Department of Medicine  
Johns Hopkins University School of Medicine  
1830 East monument Street, Suite 9026  
Baltimore, MD 21287  
Telephone: 410-955-6642  
Fax: 410-614-8510  
E-mail: [mlw5@jhmi.edu](mailto:mlw5@jhmi.edu)  
Spouse: Linda  
AUC Status: Emeritus  
Member since 1977

**Arnold M. Weissler, M.D.**

Professor of Medicine  
Consultant, Division of Cardiovascular Diseases and Int. Medicine  
Mayo Medical School  
4445 Oak Court SW  
Rochester, MN 55902  
Telephone: 507-280-9292  
Fax: 507-284-8137  
E-mail: [Weissleram@aol.com](mailto:Weissleram@aol.com)  
Spouse: Sandra  
AUC Status: Emeritus  
Member since 1963

**David J. Wilber, M.D.**

Professor of Medicine  
Director, Division of Cardiology & Cardiovascular Institute  
Loyola University Chicago  
2160 South First Avenue  
Building 10, Room 6232  
Maywood, IL 60153  
Telephone: 708-216-2642  
Fax: 708-327-2377  
E-mail: [DWILBER@LUMC.EDU](mailto:DWILBER@LUMC.EDU)  
Spouse: Sandra Reynertson, M.D.  
AUC Status: Active  
Member since 2004

**David O. Williams, M.D.**

Professor of Medicine  
Cardiovascular Division  
Brigham & Women's Hospital  
75 Francis Street  
Boston, MA 02115  
Telephone: 857-307-1987  
Fax: 617-732-7134  
E-mail: [dowilliams@partners.org](mailto:dowilliams@partners.org)  
Spouse: Carol  
AUC Status: Emeritus  
Member since 1991

**W. Douglas Weaver, M.D.**

Professor of Medicine  
Wayne State University  
Head, Division of Cardiovascular Medicine  
Darin Chair of Cardiology  
Henry Ford Hospital  
2799 W. Grand Blvd.  
Detroit, MI 48202  
Telephone: 313-916-4420  
Fax: 313-916-1249  
E-mail: [wweaver1@hfhs.org](mailto:wweaver1@hfhs.org)  
Spouse: Judy  
AUC Status: Active  
Member since 2007

**James N. Weiss, M.D.**

Kawata Professor of Medicine (Cardiology) and Physiology  
Director, UCLA Cardiovascular Research Laboratory  
Chief, Division of Cardiology  
UCLA School of Medicine  
10833 Le Conte Ave., 3645 MRL Building  
Los Angeles, CA 90095  
Telephone: 310-825-9029  
Fax: 310-206-5777  
E-mail: [jweiss@mednet.ucla.edu](mailto:jweiss@mednet.ucla.edu)  
Spouse:  
AUC Status: Active  
Member since 1994

**Arthur E. Weyman, M.D.**

Director  
Cardiac Ultrasound Laboratory, Massachusetts General Hospital  
55 Fruit St., VBK 508  
Boston, MA 02114  
Telephone: 617-724-1993  
Fax: 617-726-8383  
E-mail:  
Spouse:  
AUC Status: Emeritus  
Member since 1995

**James T. Willerson, M.D.**

President, University of Texas Health Science Center in Houston  
Edward R. Randall III Chair in Internal Medicine  
Professor of Medicine  
President-Elect and Medical Director: Texas Heart Institute  
6770 Bertner Avenue (MC 3-116)  
Houston, TX 77030  
Telephone: 832-355-6839  
Fax: 832-355-6810  
E-mail: [Suzy.lanier@uth.tmc.edu](mailto:Suzy.lanier@uth.tmc.edu)  
Spouse: Nancy  
AUC Status: Emeritus  
Member since 1981

**John F. Williams, Jr. M.D.**

8000 North Illinois  
Indianapolis, IN 46260  
Telephone: 317-259-4808  
Fax:  
E-mail:  
Spouse: Jan  
AUC Status: Emeritus  
Member since 1976

**R. Sanders Williams, M.D.**

Dean, School of Medicine  
Vice Chancellor for Academic Affairs  
Duke University Medical Center  
Box 2927  
Durham, NC 27710  
Telephone: 919-684-2455  
Fax: 919-684-0208  
E-mail: [willi397@mc.duke.edu](mailto:willi397@mc.duke.edu)  
Spouse: Jennifer  
AUC Status: Emeritus

**Joshua Wynne, M.D., M.B.A., M.P.H.**

Professor of Medicine  
Vice President for Health Affairs & Dean  
University of North Dakota  
School of Medicine and Health Sciences  
501 N. Columbia Road  
Grand Forks, ND 58202-9037  
Telephone: 701-777-2516  
Fax: 701-777-3527  
E-mail: [jwynne@medicine.nodak.edu](mailto:jwynne@medicine.nodak.edu)  
Spouse: Susan Farkas, M.D.  
AUC Status: Active  
Member since 1993

**Barry L. Zaret, M.D.**

Robert W. Berliner Professor of Medicine  
Yale University School of Medicine  
333 Cedar Street, 3 FMP  
New Haven, CT 06520-8017  
Telephone: 203-785-4127  
Fax: 203-785-7144  
E-mail: [barry.zaret@yale.edu](mailto:barry.zaret@yale.edu)  
Spouse: Myrna  
AUC Status: Emeritus  
Member since 1980

**Michael R. Zile, M.D.**

Professor of Medicine  
Medical University of South Carolina  
Division of Cardiology  
135 Rutledge Avenue, Suite 1201  
P.O. Box 250592  
Charleston, SC 29425  
Telephone: 843-792-4457  
Fax: 843-792-7771  
E-mail: [zilem@musc.edu](mailto:zilem@musc.edu)  
Spouse: Joan  
AUC Status: Active  
Member since 2003

**Michael D. Winniford, M.D.**

Director, Cardiology Division  
University of Mississippi Medical School  
2500 North State Street  
Jackson, MS 39216  
Telephone: 601-984-5636  
Fax: 601-984-5638  
E-mail: [mwinniford@medicine.umsmed.edu](mailto:mwinniford@medicine.umsmed.edu)  
Spouse: Carol  
AUC Status: Active  
Member since 2000

**Lawrence H. Young, M.D.**

Professor of Medicine, Section of Cardiovascular Medicine  
Professor of Cellular and Molecular Physiology  
Yale University  
FMP, Cardiovascular Medicine  
333 Cedar Street  
New Haven, CT 06520  
Telephone: 203-785-4102  
Fax: 203-785-7567  
E-mail: [Lawrence.young@yale.edu](mailto:Lawrence.young@yale.edu)  
Spouse: Lynn T. Tanoue, M.D.  
AUC Status : Active  
Member since 2009

**Robert Zelis, M.D.**

Professor of Medicine and Cellular and Molecular Physiology  
Pennsylvania State University College of Medicine  
Hershey Medical Center, HO-47  
Box 850  
Hershey, PA 17033  
Telephone: 717-531-1790  
Fax: 717-531-1793  
E-mail: [zelis@psu.edu](mailto:zelis@psu.edu)  
Spouse: Gail  
AUC Status: Emeritus  
Member since 1980

**Douglas P. Zipes, M.D.**

Distinguished Professor of Medicine, Toxicology and  
Pharmacology  
Indiana University School of Medicine  
Krannert Institute of Cardiology  
1800 N. Capital Ave.  
Indianapolis, IN 46202  
Telephone: 317-962-0555  
Fax: 317-962-0568  
E-mail: [dzipes@iupui.edu](mailto:dzipes@iupui.edu)  
Spouse: Joan  
AUC Status: Emeritus  
Member since 1979

## APPENDIX G

### Programs of the Association of University Cardiologists 1962-2007

#### First Annual Meeting of the Association of University Cardiologists Drake Hotel

##### First Annual Meeting of the Association of University Cardiologists Drake Hotel, Chicago, Illinois February 15-16, 1962 Officers, 1962

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1962  
Term expires 1963  
Term expires 1964

George E. Burch, New Orleans  
Laurence B. Ellis, Boston  
S. Gilbert Blount, Jr., Denver

Franklin D. Johnston, Ann Arbor  
Ludwig W. Eichna, New York  
Robert Bruce, Seattle

**Thursday, February 15, 1962** – 1:00 PM, George Burch, Presiding, First Scientific Session

Normalization of the Electrocardiogram

J. A. Abildskov, and (by invitation) Richard Mc Fee  
(Syracuse)

Cinecardioangiography in the Study of Mitral Valve  
Function in Aortic Regurgitation

Walter E. Judson and (by invitation) Eugene C. Klatte  
and Ross S. Jennings (Indianapolis)

Antibodies Against Human Heart Extracts in the  
Postcardiotomy Syndrome

A. Kattus, and (by invitation) H. Weimer and R. Balkcom  
(Los Angeles)

Systemic and Coronary Hemodynamic Effects of  
Bradykinin

George G. Rowe and Charles W. Crumpton  
(Madison)

The Value of the Post Exercise Electrocardiogram in the  
Diagnosis and Prognosis of Heart Disease

Thomas W. Mattingly (Washington, D.C.)

The Relation of the Degree of Coronary Artery Disease  
and Myocardial Infarction to Cardiac Hypertrophy and  
Chronic Congestive Failure

Laurence B. Ellis (Boston)

The Effects of Inhalation of Low and High Oxygen on  
Pulmonary Circulation

Paul N. Yu, and (by invitation) Bernard F. Schreiner,  
Gerald Murphy, and Gerald Glick  
Rochester

Renal Blood Flow Measurement From Blood Clearance  
of a Single Injection of  $^{181}\text{I}$  Labeled Hippuran

Walter H. Pritchard, and (by invitation) Frank S. Gott,  
William R. Young, and William J. MacIntyre  
(Cleveland)

**Friday, February 16, 1962** – 9: 00 AM

Business meeting

Election of Officers

Laurence B. Ellis, Presiding, Second Scientific Session

Circulatory and Metabolic Responses to Strenuous  
Exertion in Normal Men

Robert A. Bruce (Seattle)

Myocardial Energy Cost and Performance During  
Exercise in Man

Richard Gorlin, and (by invitation) Norman Krasnow,  
William B. Hood, Jr., Ellis L. Rolett, and Peter M. Yurchak  
(Boston)

Hemodynamic Observations in Anemia

Walter H. Abelmann, and (by invitation) Martin Duke  
(Boston)

Foreign Graduate Medical Education: Problems and  
Opportunities in the Cardiovascular Field

Ernest Craige  
Chapel Hill

Method for Determining Left Atrial Work in Man

Harold T. Dodge, and (by invitation) R. R. Johnston, H.  
J. Sauter, and C. E. Rackley (Seattle)

Simulation of Electrocardiogram in Anterolateral  
Myocardial Destructive Lesions of Obscure Etiology

Raymond D. Pruitt, and (by invitation) George W. Curd  
and Robert D. Leachman (Houston)

Effects of Angiotensin Upon the Myocardium and Upon  
the Coronary Circulation

Noble O. Fowler, and (by invitation) J. C. Holmes  
(Cincinnati)

Flow Response to Peripheral Artery Gas Injections

Thomas M. Durant, and (by invitation) Morton J.  
Oppenheimer and Roberts Sherwin (Philadelphia)

**Second Annual Meeting of the Association of University Cardiologists**  
**Drake Hotel, Chicago, Illinois**  
**February 14-15, 1963**  
**Officers, 1963**

President	Laurence B. Ellis, Boston
Vice President	Franklin D. Johnston, Ann Arbor
Secretary-Treasurer	S. Gilbert Blount, Jr., Denver
Council Members:	
Term expires 1963	Ludwig W. Eichna, New York
Term expires 1964	Robert Bruce, Seattle
Term expires 1965	Raymond D. Pruitt, Houston

**Thursday, February 14, 1963 – 1:00 PM, Laurence B. Ellis, Presiding, First Scientific Session**

Observations on the Measurement of Coronary Blood Flow with Krypton <sup>85</sup>	<b><u>Richard S. Ross</u></b> , and (by invitation) Keiji Ueda and Paul Lichtlen (Baltimore)
---	--

Left Ventricular Function and Metabolism During Development of Coronary Artery Thrombosis	<b><u>Harper K. Hellems</u></b> , and (by invitation) Timothy J. Regan and Christos B. Moschos (Jersey City)
---	--

Extracardiac Determinants of Left Ventricular Function in the Intact Animal	<b><u>A. V. N. Goodyer</u></b> , and (by invitation) M. J. Goodkind and E. J. Stanley (New Haven)
---	---

Left Ventricular Wall Tension and Stress in Man	<b><u>Harold T. Dodge</u></b> , and (by invitation) Harold Sandler (Seattle)
---	--

Hemodynamic Common Denominators of the Clinical Syndrome of Congestive Failure	<b><u>John S. Graettinger</u></b> (Chicago)
--	---

The Effect of Digitalis on Ventricular Systole in Normal Individuals	<b><u>James V. Warren</u></b> , and (by invitation) Arnold M. Weissler (Columbus)
--	---

Observations on the Digitalis Effects on the Function of the Failing Human Left Ventricle	<b><u>Paul N. Yu</u></b> , and (by invitation) Gerald W. Murphy, Bernard F. Schreiner, Jr., Paul L. Beakley and Arthur J. Moss (Rochester)
---	--

Systemic and Coronary Hemodynamic Effects for Amine Oxidase Inhibitor and Serotonin	<b><u>G. G. Rowe</u></b> , and (by invitation) Skoda Afonso, Cesar A. Castillo, John C. Kyle, Thomas R. Leicht and Charles W. Crumpton (Madison)
---	--

**Friday, February 15, 1963 – 9: 00 AM**

Business meeting	Election of Officers
------------------	----------------------

Franklin Johnston, Presiding, Second Scientific Session

Problems in the Design of Stethoscope End-Pieces	<b><u>Franklin Johnston</u></b> (Ann Arbor)
--	---

Telecardiography, and the Use of Simple Computers	<b><u>Ernest Craige</u></b> , and (by invitation) Thomas C. Gibson, William E. Thornton and William P. Algary (Chapel Hill)
---	---

Physiologic Studies of Acute High Altitude Pulmonary Edema	<b><u>Herbert N. Hultgren</u></b> (Palo Alto)
--	---

Clinical Recognition of Congenital Pulmonary Valve Insufficiency	<b><u>Modestino G. Griscitiello</u></b> , and (by invitation) W. Proctor Harvey (Washington)
--	--

Studies of Pressure-Volume Relationships in Intact Human Forearm Veins	<b><u>G. E. Burch</u></b> , and (by invitation) N. P. DePasquale (New Orleans)
--	--

The Electrocardiographic Effects of Experimental Myocardial Lesion in Subepicardial Areas	<b><u>J. A. Abildskov</u></b> (Syracuse)
---	--

The Electrocardiographic Behavior of Chronically  
Implanted Intramyocardial Generators

Axis Deviation, Arborization Block and Partial Bundle-  
branch Block: Some Experimental Observations

Leo G. Horan and Nancy C. Flowers, and (by invitation)  
Daniel A. Brody (Memphis)

Thomas B. Watt, Jr., (by invitation) and Raymond D.  
Pruitt (Houston)

**Third Annual Meeting of the Association of University Cardiologists  
Drake Hotel, Chicago, Illinois  
February 13-14, 1964  
Officers, 1964**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1964  
Term expires 1965  
Term expires 1966

Franklin D. Johnston, Ann Arbor  
Ludwig W. Eichna, New York  
S. Gilbert Blount, Jr., Denver,

Robert Bruce, Seattle  
Raymond D. Pruitt, Houston  
Ernest Craig, Chapel Hill

**Thursday, February 13, 1964** – 1:00 PM, Franklin D. Johnston, Presiding, First Scientific Session

Aortic Valve Replacement by Individual Teflon Leaflets.  
A Follow Up Study.

Richard S. Ross, and (by invitation) Kenneth B. Lewis,  
Henry T. Bahnson and J. Michael Criley (Baltimore)

Treatment of Asystole and Heart Block with Electrode  
Catheter Pacemaker During Acute Myocardial Infraction

Robert A. Bruce, Harold T. Dodge, and (by invitation)  
L. A. Cobb and J. R. Blackmon (Seattle)

Determination of Digitoxin in Plasma by Double Isotope  
Dilution Derivative Assay

Daniel S. Lukas, and (by invitation) Ralph E. Peterson  
(New York)

A Review of the Clinical Course of Patients Over Fifty  
Years of Age With Cardiovascular Disease (Excluding  
Hypertension and Coronary Artery Disease)

Charles W. Crumpton and George G. Rowe (Madison)

A Comparative Evaluation of Several  
Vectorcardiographic Leads in a Human Torso Model

Daniel A. Brody, and (by invitation) Robert A.  
Arzbaeher (Memphis)

Temperature Gradient Across the Myocardium in Dog  
and In Man

Paul N. Yu, and (by invitation) Ernest W. Reynolds and  
Paul L. Bleakley (Rochester)

Cardiac Pathology and the Electrocardiograms in Very  
Obese Subjects

James K. Alexander, Raymond D. Pruitt, and (by  
invitation) Moise A. Axelrad (Houston)

Effect of Altitude on Normal Pulmonary Circulation

S. Gilbert Blount, Jr., and (by invitation) Robert F.  
Grover (Denver)

**Friday, February 14, 1964** – 9: 00 AM

Business meeting  
Ludwig W. Eichna, Presiding, Second Scientific Session

Election of Officers

Blood Pressures Measured with a Portable Recorder:  
Variability and Correlation with Casual Pressures

Maruice Sokolow (San Francisco)

Renin Activity in Arterial Hypertension

Walter E. Judson, and (by invitation) Oscar M. Helmer  
(Indianapolis)

Experimental Chagas' Disease: A Model of Acute and  
Chronic Myocardopathy

Walter H. Abelmann, and (by invitation) Ernest E.  
Federici and Shia H. Elson (Boston)

The Energetics of Ventricular Filling in Mitral Stenosis

Harold T. Dodge, and (by invitation) David M. Pugh and  
Melvin M. Figley (Seattle)

Papillary Muscle Dysfunction

George E. Burch, and (by invitation) N. P. DePaasquale  
and J. H. Phillips, Jr. (New Orleans)

Hemodynamic Effect of Cigarette Smoking in Healthy  
Young Men

Robert J. Marshall, and (by invitation) Randolph L. Pifer  
and Alphonse C. Edmundowicz (Morgantown)

Phonocardiographic Study of Patients with Total Mitral  
Valve Replacement

Herbert N. Hultgren, and (by invitation) Harold Hubis  
(Palo Alto)



Stereo-Cineangiocardiology

George G. Rowe, and (by invitation) William C.  
Zarnstorff (Madison)

**Fourth Annual Meeting of the Association of University Cardiologists  
Drake Hotel, Chicago, Illinois  
February 4-5, 1965  
Officers, 1965**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1965  
Term expires 1966  
Term expires 1967

Ludwig W. Eichna, New York  
S. Gilbert Blount, Jr., Denver  
Robert Bruce, Seattle  
  
Raymond D. Pruitt, Houston  
Ernest Craige, Chapel Hill  
W. Proctor Harvey, Washington

**Thursday, February 4, 1965** – 1:00 PM, Ludwig W. Eichna, Presiding, First Scientific Session

Left ventricular volume measurements by angiographic and thermal dilution technics

David G. Greene, Ivan L. Bunnell\*, Raymond Carlisle\*, Saroop C. Jain\* and Colin Grant\*

Relationship of left ventricular hemodynamics and O<sub>2</sub> consumption in man with heart disease

Harold T. Dodge, David M. Pugh\* and Harold Sandler\*

The role of anaerobic metabolism in the preservation of structure and functional capacity of the anoxic myocardium

Arnold M. Weissler and Fred A. Kruger\*

The pharmacology of Propranolol (ineral): a new *beta*-adrenergic blocking agent

Robert J. Marshall, W. E. Barnes\*, J. E. Beane\*, J. A. Maiolo\* and L. T. Schwab\*

Precordial movement in pulmonary stenosis

Ernest Craige and Roland Schmidt\*

The mechanism of production of Duroziez's murmur

George G. Rowe, Skoda Afonso\* and Cesar A. Castillo\*

Origin and significance of the ejection sound of aortic stenosis

E. W. Hancock

The value of transseptal intracardiac phonocardiography

James J. Leonard, William L. Page\*, Donald F. Leon\*, Frank W. Kroetz\* and John F. Lancaster\*

**Friday, February 5, 1965** – 9: 00 AM

Business meeting

Election of Officers

S. Gilbert Blount, Presiding, Second Scientific Session

A study of retinal blood flow by fluorescence cinematography

Henry D. McIntosh, Robert N. Marshall\* and Leonard M. Hart\*

The binding of digitoxin to plasma proteins

Daniel S. Lukas and Anthony G. DeMartino\*

Prospective studies of myocardial ischemia with maximal exertion in middle-aged healthy American and Chinese men

R. A. Bruce, N. Ting\*, A. E. Doan\*, E. R. Alexander\*, Y. B. Li\*, D. R. Peterson\*, J. R. Blackmon\*, J. T. Grayston\*, C. Lu\*, J. A. Mazzarella\*, J. Jordon\* and E. Green\*

The calculation of efficient vectorcardiographic leads

Robert A. Helm and Te-Chuan Chou\*

The anatomy and blood supply of the left ventricular papillary muscles

E. H. Estes, Jr., F. M. Dalton\*, M. L. Entman\* and D. B. Hackel\*

Angiographic studies in pulmonary embolism

James K. Alexander

Idiopathic and thromboembolic pulmonary hypertension

N. O. Fowler, R. C. Scott\* and B. S. Black-Scaffer\*

\*By invitation

**Fifth Annual Meeting of the Association of University Cardiologists  
Drake Hotel, Chicago, Illinois  
February 10-11, 1966  
Officers, 1966**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1966  
Term expires 1967  
Term expires 1968

S. Gilbert Blount, Jr., Denver  
Raymond D. Pruitt, Houston  
Robert Bruce, Seattle  
  
Ernest Craige, Chapel Hill  
W. Proctor Harvey, Washington  
John Graettinger, Chicago

**Thursday, February 10, 1966** – 1:00 PM, S. Gilbert Blount, Presiding, First Scientific Session

The duration of the phases of left ventricular systole in heart failure

Arnold M. Weissler, Clyde D. Schoenfeld\*, Sidney Cohen\* and James V. Warren (Columbus)

Effects of left ventricular failure on the pulmonary circulation

J. K. Alexander, H. L. Fred\*, D. A. Gonzalez\*, S. Yorifuji\* and R. W. Lockhart\* (Houston)

The effect of aortic and carotid chemoreceptor stimulation on ventricular performance

Elliot Rapaport and Shlomo Stern\* (San Francisco)

Left atrial volume and stroke volume in patients with heart disease

Harold T. Dodge and Richard R. Hawley\* (Seattle)

The syndrome associated with midsystolic click and late systolic murmur

E. W. Hancock and K. Cohn\* (Palo Alto)

Uncommon forms of mitral incompetence

B. C. Sinclair-Smith (Nashville)

The clinical course of patients with mitral insufficiency

L. B. Ellis (Boston)

Value of post valsalva indicator-dilution curves in the detection and localization of intracardiac shunts

J. J. Leonard, F. W. Kroetz\*, W. M. deGroot\* and P. W. Grunenwald\* (Pittsburgh)

**Friday, February 11, 1966** – 9: 00 AM

Business meeting

Election of Officers

Raymond Pruitt, Presiding, Second Scientific Session

Atrial contribution to ventricular performance

J. S. Graettinger and R. A. Carleton\* (Chicago)

Systemic and coronary hemodynamic effects of conversion from atrial fibrillation to sinus rhythm

G. G. Rowe, R. J. Corliss\*, D. H. McKenna\*, S. Sialeer\* and C. W. Crumpton (Madison)

Effects of beta-adrenergic blockage in cardiovascular diseases

A. A. Kattus and R. MacAlpin\* (Los Angeles)

Coxsackie valvulitis

G. E. Burch, N. P. dePasquale\*, S. C. Sun\*, A. R. Hale\* and W. J. Mogabgab\* (New Orleans)

A clinical evaluation of coronary arteriography

H. N. Hultgren, A. Calciano\*, F. Platt\* and H. L. Abrams\* (Palo Alto)

The normal and pathologic anatomy of the human a-v conduction system

E. H. Estes, Jr., and D. B. Hackel\* (Durham)

The effects of acetyl strophanthidin on the lower extremity of man

H. D. McIntosh, C. J. Gerber\* and J. J. Morris\* (Durham)

Complete a-v block due to potassium

Charles Fisch (Indianapolis)

\*By invitation

**Sixth Annual Meeting of the Association of University Cardiologists**  
**Drake Hotel, Chicago, Illinois**  
**February 9-10, 1967**  
**Officers, 1967**

President Ray  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1967  
Term expires 1968  
Term expires 1969

mond D. Pruitt, Houston  
Ernest Craige, Chapel Hill  
Robert Bruce, Seattle  
  
W. Proctor Harvey, Washington  
John Graettinger, Chicago  
Herbert N. Hultgren Palo Alto

**Thursday, February 9, 1967** – 1:00 PM, Raymond D. Pruitt, Presiding, First Scientific Session

Biventricular Hypertrophic Subaortic Stenosis: A Normal Finding in the Alligator Henry D. McIntosh, Robert E. Whalen\* and Donald B. Hackel\* (Durham)

Pathophysiologic Correlations in Patients with Ventricular Septal Defect and Increased Pulmonary Vascular Resistance S. Gilbert Blount, Jr., Robert F. Grover\* and John J. K. Vogel\* (Denver)

Distensibility Characteristics of the Human Pulmonary Vascular Bed Paul N. Yu, Bernard F. Schreiner, Jr.\*, Gerald W. Murphy\* and Douglas James\* (Rochester)

Increased Orthostatic Tolerance in Patients with Heart Disease Walter H. Abelmann and Khaj Fareeduddin\* (Boston)

Spontaneous Variations of the Electrocardiographic P-Wave Daniel A. Brody, Melvin D. Woolsey\* and Robert C. Arzbaeher\* (Memphis)

A Study of the Electromotive Surfaces of the Heart E. W. Reynolds, Jr., and Condon R. VanderArk\* (Ann Arbor)

Depression of Ventricular Automaticity by Electrical Driving Thomas Killip III, Stanley S. Yormak\*, Edwin Ettinger\* and Jay Roberts\* (New York)

The Syndrome of Acute Coronary Occlusion A. Walston\*, D. B. Hackel\* and E. H. Estes (Durham)

**Friday, February 10, 1967** – 9: 00 AM

Business meeting

Ernest Craige, Presiding, Second Scientific Session

Election of Officers

A Study with Immunofluorescent Antibodies for the Presence of Coxsackie B<sub>4</sub> Virus Antigen in the Myocardium and Valves of Hearts from Routine Autopsies G. E. Burch, S. C. Sun\*, N. P. DePasquale\*, H. L. Colcolough\*, R. Sohal\* and G. Miller\* (New Orleans)

Direct Magnification Serial Arteriography Harry Zinsser and Stanley Baum\* (Philadelphia)

Vasopressor Material in Experimental Renal Hypertension Walter H. Pritchard (Cleveland)

Mechanism of Respirator Variation of the Ejection Click in Valvular Pulmonic Stenosis Herbert N. Hultgren and Keith E. Cohn\* (Palo Alto)

Aortic Valve Perforation Noble O. Fowler, Morton H. Hamburger\* and Kevin E. Bove\*

Hemodynamic Effects of Aortic Homograft G. G. Rowe, R. R. Stenlund\*, H. J. Thomsen\* C. W. Crumpton and W. P. Young\* (Madison)

Physical Training and Beta-Adrenergic Blocking Drugs in Modifying Coronary Insufficiency Albert A. Kattus (Los Angeles)

Local Effects of Muscle Training in Man  
\*By invitation

**Leonard A. Cobb** and Floyd A. Short\* (Seattle)

**Seventh Annual Meeting of the Association of University Cardiologists  
Ambassador Hotel, Chicago, Illinois  
February 8-9, 1968  
Officers, 1968**

President	Ernest Craige, Chapel Hill
Vice President	Robert Bruce, Seattle, WA
Secretary-Treasurer	W. Proctor Harvey, Washington
Council Members:	
Term expires 1968	John Graettinger, Chicago
Term expires 1969	Herbert N. Hultgren Palo Alto
Term expires 1970	Eugene A. Stead, Jr., Durham

**Thursday, February 8, 1968** – 1:00 PM, Ernest Craige, Presiding, First Scientific Session  
An Examination of Pulmonary Edema **Norton Lee Pearce** (Los Angeles)

Preliminary Observations on Pulmonary Venous Flow Pattern in Dogs **Paul N. Yu**, Edwin Kinnen\*, and A. J. Stankus\* (Rochester)

The Role of Acidosis in the Myocardial Metabolic Response to Hemorrhagic Shock **Allan V. N. Goodyer**, Alan L. Circle\*, and Charles M. Gross\* (New Haven)

Modification of Left Ventricular Performance by Beta Adrenergic Drugs **Richard A. Carleton**, James G. Clark\*, and **John S. Graettinger** (Chicago)

The Familial Occurrence of the Mid-Late Systolic Click-Late Systolic Murmur Syndrome William Shell\*, **Park W. Willis, III**, Mary E. Clifford\*, and Joseph A. Walton, Jr.\* (Ann Arbor)

Marfan's Syndrome with Eventration of the Mitral Valve **Robert L. Grissom** and Robert J. Corlisse\* (Omaha)

An Explanation of the Pre-Systolic Murmur (PSM) of Mitral Stenosis **J. M. Criley** and Travis A. Meredith, Jr.\* (Torrance)

Exercise and Syncope in Aortic Stenosis **Hancock, E. W.**, Flamm, M. D.\*, Kimball, R.\*, and Braniff, B. E.\* (Palo Alto)

**Friday, February 9, 1968** – 8:30 AM  
Business meeting  
Robert A. Bruce, Presiding, Second Scientific Session

Election of Officers

Biochemical Studies of Cardiac Hypertrophy **Murray Rabinowitz**, K. G. Nair\*, and R. Zak\* (Chicago)

Adrenal Studies in Hypertension **Ivan L. Bunnell** (Buffalo)

The Production of Congenital Anomalies in Rate with Organ Antisera **W. Jape Taylor** and Mark V. Barrow\* (Gainesville)

The Study of Duroziez's Murmur of Aortic Inufficiency in Man Utilizing an Electromagnetic Flowmeter John D. Folts\*, W. P. Young\*, and **George C. Rowe** (Madison)

Electrophysiologic Basis of Accelerated Conduction Due to Glucocorticoids **Charles Fisch** (Indianapolis)

Monophasic Action Potentials (MAP) in Man **Borys Surowicz**, Ralph Shabetai\*, William Hammill\*, and Tyler A. Downs\* (Lexington)

One-Plane Cineangiocardiology in Selection of Patients for Surgery for Coronary Artery Disease **David G. Greene**, G. M. Schimert\*, H. L. Falsetti\*, R. C. Koberstein\*, C. Grant\*, and **I. L. Bunnell** (Buffalo)

Incidence, Management and Prognosis of Slow Ventricular Rates in Acute Myocardial Infarction **Thomas Killip** and John T. Kimball\* (New York)

\*By invitation

**Eighth Annual Meeting of the Association of University Cardiologists**  
**Ambassador Hotel, Chicago, Illinois**  
**February 6-7, 1969**  
**Officers, 1969**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1969  
Term expires 1970  
Term expires 1971

Robert Bruce, Seattle  
John Graettinger, Chicago  
W. Proctor Harvey, Washington

Herbert N. Hultgren Palo Alto  
Eugene A. Stead, Jr., Durham  
George G. Rowe, Madison

**Thursday, February 6, 1969** – 1:00 PM, Robert A. Bruce, Presiding, First Scientific Session  
Intraventricular Pressure Gradients in Hyperkinetic Ventricles Without Outflow Tract Obstruction or "Catheter Entrapment" **J. M. Criley**, B. J. Coughlin\*, and J. D. Gilbertson\* (Torrance)

Atrial Arrhythmias in Idiopathic Hypertrophic Subaortic Stenosis **E. W. Hancock** (Palo Alto)

Systemic and Coronary Hemodynamic Effects of Cardiac Pacing in Man with Complete Heart Block **G. G. Rowe**, R. R. Stenlund\*, J. H. Thomsen\*, W. Terry\*, and A. S. Querimit\* (Madison)

Delayed Myocardial Relaxation During Recovery from Hypoxia O. H. L. Bing\*, **H. J. Levine**, J. F. Keefe\*, L. J. Finkelstein\*, and M. J. Wolk\* (Boston)

Phonocardiographic Clues to the Correct Diagnosis of Atrial Myxomas E. R. Giuliani\*, R. S. Zitnik\*, and **H. B. Burchell** (Minneapolis)

An Eight Year Follow-Up of a Prospective Coronary Study **Oglesby Paul**, Mark Lepper\*, Adrian Ostfeld\*, William Phelan\*, and Harley McKean\* (Chicago)

The Prognosis of Coronary Heart Disease **Charles W. Frank** (New York)

Respiratory Variation in Arterial Pressure in Constrictive Pericarditis Because of Reciprocal Variation in Right and Left Ventricular Diastolic Volumes **Ramon L. Lange**, Michael H. Keelan, Jr.\*, and James T. Botticelli\* (Milwaukee)

**Friday, February 7, 1969** – 8:30 AM

Business meeting  
John S. Graettinger, Presiding, Second Scientific Session Election of Officers

X-Ray Measurement of Xanthoma Size **David H. Blankenhorn** and Harvey I. Meyers\* (Los Angeles)

Results of a Controlled Clinical Trial of a Diet High in Unsaturated Fats in Elderly Men **Morton Lee Pearce** and Seymour Dayton\* (Los Angeles)

Chaotic Atrial Mechanism (C. A. M.) **John Phillips**, Joseph Spano\*, and **George Burch** (New Orleans)

Modulators of Fibroblast Metabolism: A Mechanistic Approach to Focal Intimal Hyperplasia **Robert J. Boucek** (Miami)

Computation of an Equivalent Generator Composed of Variably Located Dipoles **Robert A. Helm** and Te-Chuan Chou\* (Cincinnati)

Prodromata in Acute Myocardial Infarction **Thomas Killip**, Henry A. Solomon\*, and Adrian Edwards\* (New York)

Effects of Repeated Exercise on Extremity Blood Flow **Leonard A. Cobb** and Floyd A. Short\* (Seattle)

Maximal Exercise Performance in Health and Disease

\*By invitation

**Robert A. Bruce**, Irwin S. Kasser\*, and Hee Ong Wong\*  
(Seattle)



**Ninth Annual Meeting of the Association of University Cardiologists  
Ambassador Hotel, Chicago, Illinois  
February 5-6, 1970  
Officers, 1970**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1970  
Term expires 1971  
Term expires 1972

John Graettinger, Chicago  
Herbert N. Hultgren Palo Alto  
W. Proctor Harvey, Washington

Eugene A. Stead, Jr., Durham  
George G. Rowe, Madison  
Charles W. Frank, New York

**Thursday, February 5, 1970 – 1:00 PM, John S. Graettinger, Presiding, First Scientific Session**

Usefulness and Limitations of the Maximum Velocity of Contractile Element Shortening ( $V_{MAX}$ ) Determined by Isovolumic Ventricular Pressure and its Rate of Rise ( $dp/dt$ ) in the Quantification of Myocardial Contractility in Man

**Dean T. Mason**, James F. Spann, Jr.\*, Robert Zelis\*, and Ezra A. Amsterdam\* (Davis)

Effect of Lysergic Acid Diethylamide (LSD) Upon Ventricular Function and Myocardial Contractility

**Robert C. Schlant** and Donald O. Nutter\* (Atlanta)

The Influence of Serum Potassium on the Myocardial Concentration and Tissue Distribution of Tritiated Digoxin in the Dog

**Frank I. Marcus**, G. G. Kapadia\*, L. Nimmo\*, and Carl Goldsmith\* (Tucson)

Mechanism of Increased Cardiac Output Following Alpha Adrenergic Receptor Blockade

**Noble O. Fowler**, John C. Holmes\*, Thomas E. Gaffney\*, Philip J. Privitera\* and Gunter Grupp\* (Cincinnati)

Studies of the Macula Densa Cell in Wistar Sprague Dawley Rats Under Varying Sodium Loads

**Robert L. Grisson** and Georgia Gordon\* (Omaha)

Left Ventricular Angiocardigraphy in Patients with Pure Mitral Stenosis

Stanley J. Heller\* and **Richard A. Carleton** (Chicago)

Systolic Murmurs Caused by Functional Changes in Mitral Valvular Configuration

**J. Michael Criley** and Ira M. Feldman\* (Torrance)

**Medical Education**

(a) The Role of a Department of Medicine in Pre-Clinical Teaching  
(b) The Teacher Exchange Program of the American Heart Association

**Eugene Braunwald** (San Diego)

**W. Proctor Harvey** (Washington)

**Friday, February 6, 1970 – 8:30 AM**

Business meeting  
Herbert N. Hultgren, Presiding, Second Scientific Session

Election of Officers

The Relationship of Right Bundle Branch Block and Left Superior (Anterior Division) or Inferior (Posterior Division) Intraventricular Block to Complete Heart Block and Syncope

**J. Ray Pryor**, **S. Gilbert Blount, Jr.**, and Patrick Scanlon\* (Denver)

Right Ventricular Anomalous Muscle Bundle

**J. O'Neal Humphries** and James W. Forster\* (Baltimore)

Factors Regulating Action Potential Duration (APD) in Cardiac Purkinje (P Fibers)

**Borys Surawicz** (Lexington)

Selective Stimulation, Suppression or Blockade of the AV Node and His Bundle

**Thomas N. James**, Edward S. Bear\*, Richard J. Frink\*, Klaus F. Lang\*, and John C. Tomlinson\* (Birmingham)

Shock in Acute Myocardial Infarction

Thomas Killip, Stephen Scheidt\*, and Robert Ascheim\*  
(New York)

Subacute Effusive-Constrictive Pericarditis

E. W. Hancock (Stanford)

The Effects of Ileal Bypass Plus Hypocholesteremic  
Treatment on Human Coronary Atherosclerosis

George G. Rowe, William P. Young\*, and Richard H.  
Wasserburger\* (Madison)

Fundamental Senescent Alterations of the Myocardium  
of the *Drosophila* Repleta  
\*By invitation

George E. Burch, L. D. Fairbanks\*, and R. Sohal\* (New  
Orleans)

**Tenth Annual Meeting of the Association of University Cardiologists  
Ambassador Hotel, Chicago, Illinois  
January 21-22, 1971  
Officers, 1971**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1972  
Term expires 1973  
Term expires 1973

Herbert N. Hultgren Palo Alto  
W. Proctor Harvey, Washington  
George G. Rowe, Madison

Charles W. Frank, New York  
Henry W. McIntosh, Houston  
Noble O. Fowler, Cincinnati

**Thursday, January 21, 1971 – 1:00 PM, Herbert N. Hultgren, Presiding, First Scientific Session**

On the mechanism of a descending limb of left ventricular performance

John Ross, Jr., David McGregor\*, William McCullagh\* and James Covell\* (San Diego, CA)

Left ventricular function in acute myocardial infarction

Thomas Killip, Stephen Scheidt\* and Sidney Fillmore\* (New York, NY)

Clinical, hemodynamic and pathological correlates in acquired ventricular septal defect complicating acute myocardial infarction

Ramon L. Lange and Michael H. Keelan, Jr.\* (Milwaukee, WI)

Biventricular hyperkinetic congestive failure in the hereditary cardiomyopathy of the Syrian hamster: a pathophysiologic riddle

Walter H. Abelmann, Richard L. Wagner\* and Frank E. Jeffrey\* (Boston, MA)

On atrio-ventricular and intraventricular conduction. A working concept

Hans H. Hecht and Charles E. Kossman (Chicago, IL, and Memphis, TN)

Five-year follow-up on the Model 1000 Starr Edwards aortic valve prosthesis, with special reference to ball variance

E. William Hancock, Robert Constantino\* and Norman Shumway\* (Palo Alto, CA)

Current status of the subspecialty board examination in cardiovascular disease

Noble Fowler and Herbert Hultgren (Cincinnati, OH, and Stanford, CA)

**Friday, January 22, 1971 – 8:30 AM**

Business meeting

Election of Officers

W. Proctor Harvey, Presiding, Second Scientific Session

Inverse angina associated with coronary artery spasm

Albert A. Katus and Donald G. Mulder\* (Los Angeles, CA)

Myocardial revascularization to prevent infarction

George G. Rowe, G. M. Kroncke\* and W. P. Young\* (Madison, WI)

Coronary blood flow during several levels of upright bicycle exercises in normal young men

Yang Wang, Kazuto Kitamura\*, Charles Jorgensen\*, Frederick Gobel\* and Henry Taylor\* (Minneapolis, MN)

The role of histamine in the genesis of hypoxic pulmonary hypertension

Amando Susmano\* and Richard Carlton (Chicago, IL)

Determination of left ventricular volumes and ejection fraction by echocardiography

Ernest Craige, Nicholas Fortuin\*, M. Eugene Sherman\* and William P. Hood\* (Chapel Hill, NC)

The effectiveness of Bretylium in ventricular premature beats: a controlled clinical trial

Noble O. Fowler, Saul S. Bloomfield\*, Donald Romhilt\* and R. Lipicky\* (Cincinnati, OH)

Some aspects of the distribution, disposition and cardiac action of Digoxin in man

Daniel S. Lukas, William G. Winters\* and Charles N. Leech\* (New York, NY)

Myocardial and adrenal catecholamine medullary flux:  
correlation with circulatory hemodynamics after rapid  
digitalization in the normal dog  
\*By invitation

**Hadley L. Conn, Jr.**, Timothy S. Harrison\* and John  
Seeton\* (Philadelphia, PA)

**Eleventh Annual Meeting of the Association of University Cardiologists  
Arizona Biltmore, Phoenix, Arizona  
January 20-21, 1972  
Officers, 1972**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1972  
Term expires 1973  
Term expires 1973

W. Proctor Harvey, Washington, D.C.  
Walter H. Abelmann, Boston, MA  
George G. Rowe, Madison, WI  
  
Charles W. Frank, New York, NY  
Henry D. McIntosh, Houston, TX  
Noble O. Fowler, Cincinnati, OH

**Thursday, January 20, 1972 – 1:00 PM, W. Proctor Harvey, Presiding, First Scientific Session**

The possible role of reduced membrane ATPase activity in digitalis toxicity in the aged  
Hadley L. Conn, Jr., Eric H. Conn\* and Lisa Huang\* (Philadelphia, PA)

Encephalomyocarditis (EMC) virus infection of the myocardium and valves of mice

**George E. Burch** (New Orleans, LA)

Studies of blood flow in aorta-to-coronary venous bypass grafts in man

**Joseph C. Greenfield, Jr.**, Judith C. Rembert\*, W. Glenn Young, Jr.\*, H. Newland Oldham, Jr.\*, James Alexander\* and David C. Sabiston\* (Durham, NC)

Use of human serum albumin microspheres in studies of the coronary circulation

**R. J. Adolph**, D. A. Weller\*, H. N. Wellman\*, R. Carroll\* and O. Kim\* (Cincinnati, OH)

Echocardiographic studies of the genesis of diagnostic flow murmurs

**Ernest Craige** and Nicholas J. Fortuin\* (Baltimore, MD)

Evaluation of left ventricular function during upright exercise

**Robert A. Bruce**, Reginald Eleady-Cole\*, Lowell J. Bennett\*, Jean-Marie Detry\* and John L. Petersen\* (Seattle, WA)

Distribution of ventilation-perfusion ratios, as assessed by intrapulmonary elimination of multiple inert gases

**Francis J. Klocke**, **David G. Greene**, **Ivan L. Bunnell**, Leon E. Farhi\*, Stephen M. Wittenberg\* and Robert E. Mates\* (Buffalo, NY)

Rate dependent intraventricular block ("Critical Rate")

**Charles Fisch** (Indianapolis, IN)

Computer image processing of peripheral vascular angiograms

Samuel H. Brooks\*, Robert H. Selzer\*, Donald W. Crawford\* and **David H. Blankenhorn** (Los Angeles and Pasadena, CA)

**Friday, January 21, 1972 – 8:15 AM**

Business meeting

Election of Officers

Walter H. Abelmann, Presiding, Second Scientific Session

Coronary Arteritis in rheumatoid arthritis

Armando Susmano\*, Joseph J. Muenster\*, and **Richard A. Carleton** (Chicago, IL)

Post extrasystolic potentiation and augmentation in patients with normal and abnormal left ventricular function

**Ralph Shabetai** and **John Ross, Jr.** (Lexington, KY, and San Diego, CA)

Mobile coronary care revisited

**James V. Warren**, Richard P. Lewis\* and Stephen F. Schaal\* (Columbus, OH)

Selection of patients for circulatory assistance, emergency coronary angiography, and acute myocardial revascularization

**Charles A. Sanders**, Robert C. Leinbach\*, Eldred D. Mundth\*, W. Gerald Austen\*, and Mortimer J. Buckley\* (Boston, MA)

Two cardiogenic reflexes of opposite nature

**Thomas N. James**, Ferdinand Urthaler\*, Richard J. Frink\* and Klaus F. Lang\* (Birmingham, AL)

The cardiac beta adrenergic receptor: Identification and examination of in-vitro properties

Robert J. Lefkowitz\* and **Edgar Haber** (Boston, MA)

Long term arrhythmia monitoring in the prolapsed posterior leaflet syndrome

**J. Michael Criley** and Donald W. Zeilenga\* (Los Angeles, CA)

Clinical evaluation of a new computerized arrhythmia monitoring system

**Herbert N. Hultgren** and Donald F. Specht\* (Palo Alto, CA)

The comparative incidence of arrhythmias and conduction delay in acute myocardial infarction treated with and without digitalis

**Ernest W. Reynolds**, Jeanne Copp\* and **Park W. Willis** (Ann Arbor, MI)

A hemodynamic study of tricuspid insufficiency

Charles E. Hansing\* and **George G. Rowe** (Madison, WI)

\*By invitation

**Twelfth Annual Meeting of the Association of University Cardiologists  
Arizona Biltmore, Phoenix, Arizona  
January 18-19, 1973**

**Officers, 1973**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1973  
Term expires 1973  
Term expires 1975

Walter H. Abelman, Boston, MA  
Walter H. Pritchard, Cleveland, OH  
George G. Rowe, Madison, WI

Henry D. McIntosh, Houston, TX  
Noble O. Fowler, Cincinnati, OH  
Richard S. Ross, Baltimore, MD

**Thursday, January 18, 1973 – 1:00 PM, Walter H. Abelman, Presiding, First Scientific Session**

Coronary arterial lipid content: A comparison with other pathological findings

**Thomas A. Bruce**, Marvin M. Brode\*, Edward T. Konno\* and Raymond S. Kurtzman\* (Oklahoma City, OK, and Detroit, MI)

Neurogenic control of the coronary circulation

**Francois M. Abboud** (Iowa City, IA)

Myocardial scintigraphy with <sup>129</sup>Cs for detection of myocardial infarction

**R. J. Adolph**, D. W. Romhilt\*, N. O. Levenson\*, V. J. Sodd\*, R. A. Berke\* and L. S. August\* (Cincinnati, OH, and Washington, DC)

Prognosis of coronary arterial lesions classified according to precariousness

**Albert A. Kattus** (Los Angeles, CA)

Ischemic myocardial injury and acute myocardial infarction during valve replacement and coronary artery surgery

**Herbert N. Hultgren**, William Angell\*, William Brody\* and June Bilisoly\* (Palo Alto, CA)

Studies in the mechanism of renovascular hypertension: The design of specific renin inhibitors

**Edgar Haber**, Knud Poulsen\* and James A. Burton\*

When is treatment of moderate hypertension justified? – The value of portably recorded blood pressures

**Maurice Sokolow**, Dorothee Perloff\* and Ronald Cowan\* (San Francisco, CA)

Planning for the future – progress reports

(a) Research: The National Heart, Blood Vessel, Lung and Blood Program

**Edgar Haber** (Boston, MA)

(b) Training: The cardiology manpower study

**Walter H. Abelman** (Boston, MA)

**Friday, January 19, 1973 – 8:15 AM**

Business meeting

Election of Officers

Walter H. Pritchard, Presiding, Second Scientific Session

Deer hemoglobins as models of protein evolution

**W. Jape Taylor**, Caroline W. Easley\* and Hiram Kitchen\* (Gainesville, FL)

In vivo estimation of left ventricular mass: A double indicator technique using a single sensing catheter

Donald W. Crawford\*, Robert Barndt\* and **David H. Blankenhorn**

Electrophysiological consequences of selective chelation of calcium in the canine sinus node in vivo

**Thomas N. James** (Birmingham, AL)

Electrocardiographic – Pathologic correlation studies of the intra-atrial block and fascicular blocks in the human heart

**J. Ray Pryor** and Robert L. Hawley\* (Denver, CO)

A syndrome of congenital cardiomyopathy with mitral regurgitation, complete heart block, and atrial arrhythmia

**E. W. Hancock** and D. S. Cannon\* (Stanford, CA)

The effect of glucose and insulin on the body distribution of H<sup>3</sup> digoxin

David Francis\*, Mary E. Georoff\* and **Frank I. Marcus** (Tucson, AZ)

Effect of isoproterenol on ventricular repolarization

**Borys Surawicz**, F. Daoud\*, G. Autenrieth\*, C. S. Kuo\* and M. Arita (Lexington, KY)

The effect of propranolol on coronary blood flow and myocardial oxygen consumption during upright exercise in normal man

**Yang Wang**, Fredarick Gobel\*, Charles R. Jorgensen\*, Kay Wang\* and Henry L. Taylor\* (Minneapolis, MN)

**Alternates:**

Phasic tricuspid flow in chronic unanesthetized dogs

J. D. Folts\*, W. F. Young\*, M. L. Ravnan\* and **G. G. Rowe**

Value of the suprasternal notch in auscultation of the fourth heart sound

**Marvin Dunn** and Murray Corbin\* (Kansas City, KS)

Tritiated digoxin uptake by the normal and hypertrophied rabbit myocardium

Marvin L. Murphy\* and **James E. Doherty** (Little Rock, AR)

Community approach to exercise cardiology:  
Organization and initial experiences of Seattle Heart  
Watch

**R. A. Bruce**, M. C. Cooper\*, G. O. Gey\* and **L. D. Fisher** (Seattle, WA)

\*By invitation



**Thirteenth Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 17-18, 1974**  
**Officers, 1974**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1975  
Term expires 1976

Walter H. Pritchard, Cleveland, OH  
George G. Rowe, Madison, WI  
Noble O. Fowler, Cincinnati, OH  
  
Richard S. Ross, Baltimore, MD  
Lewis January, Iowa City, IA  
Harold T. Dodge

**Thursday, January 17, 1974** – 1:00 PM, Walter H. Pritchard, Presiding, First Scientific Session  
Nutrient myocardial blood flow response to atropine in humans with and without coronary artery disease **Suzanne B. Knoebel** (Indianapolis, IN)

Luminal coronary collateral circulation: Acute effects of myocardial boring **T. W. Moir** (Cleveland, OH)

Hemodynamic profiles in acute myocardial infarction with particular reference to inferior lesions **Leon Resnekov**, Jafar Al-Sadir\*, Raul Falicov\*, Izhar Zahavi\* and Harold Brooks\* (Chicago, IL)

Sudden cardiac death: The role of "primary" ventricular fibrillation **Leonard A. Cobb**, Hernan Alvarez, III\* and Robert S. Baum\*

Effects of inotropic stimuli on the function of the ischemic myocardium **Eugene Braunwald**, P. R. Maroko\*, S. Davidson\*, P. Libby\*, R. J. McRitchie\* and S. F. Vatner

Prinzmetal's variant angina – surgical treatment? William H. Gaasch\*, Roberto Lufschanowski\*, Robert Leachman\* and **James K. Alexander**

Veterans Administration cooperative study of surgery in coronary artery disease – a progress report **Herbert N. Hultgren**, Timothy Takaro\*, David Littman\*, Elizabeth Wright\* and Katherine Detre\* (Palo Alto, CA; Oteen, NC; West Roxbury, MA)

Final report of the cardiology manpower study **Walter H. Abelmann** (Boston, MA)

Discussion opened by: Herbert Hultgren (Palo Alto, CA)

**Friday, January 18, 1974** – 8:15 AM

Business meeting

George Rowe, Presiding, Second Scientific Session

Election of Officers

The importance of the renin-angiotensin system in normal cardiovascular homeostasis **Edgar Haber**, Jose Sancho\* and Richard Re\* (Boston, MA)

Sustained depression of myocardial contractile performance and norepinephrine stores following relief of congestive heart failure Shahriar Yazdanfar\*, Richard L. Coudon\*, Alfred A. Bove\* and **James F. Spann** (Philadelphia, PA)

Left ventricular function in chronic constrictive pericarditis **Ralph Shabetaj**, William H. Gaasch\* and Kirk L. Peterson\* (Lexington, KY)

Divergence of H<sup>+</sup> concentration in blood and cerebral spinal fluid during therapy of experimental cardiac arrest **Thomas Killip**, Kalman Berenyi\* and Michael Wolk\* (New York, NY)

Persistent auscultatory abnormalities following successful repair of atrial septal defect **Robert J. Adolph**, Maria T. Tenconi\*, James D. O'Toole\* and James A. Shaver (Cincinnati, OH, and Pittsburgh, PA)

Echocardiographic studies of the genesis of right-sided heart sounds **Ernest Craige** and Winfried Waider\* (Chapel Hill, NC)

Myocardial potassium content and  $^{43}\text{K}$  distribution during acute ischemia

**Timothy J. Regan**, Bunyad Haider\* and Henry Oldervurtel\* (Newark, NJ)

"Imaging" of areas of myocardial ischemia in experimental myocardial infarction

**William B. Hood**, Pantel S. Vokonas\*, Paul M. Malsky\*, Shari J. Paul\* and Stanley L. Robbins\* (Boston, MA)

**To be read by title:**

Is adenosine the mediator that adjusts changes in coronary blood flow?

Skoda Afonso\* and **George G. Rowe**

Clinical experience with the Johns Hopkins rechargeable transvenous pacemaker

**J. Michael Criley**, Robert D. Chambers\*, Ronald J. Nelson\* and James Beazel\* (Torrance, CA)

Spontaneous variability of serum lipids

**Joseph T. Doyle** and David F. Brown\* (Albany, NY)

Clinical and hemodynamic assessments of porcine heterograft prostheses mounted on flexible stents

**Marvin Dunn**, Robert Reis\*, Merle Bolton\*, Ralph Polumbo\* and David Pugh\* (Kansas City, KS)

Interaction of lanthanides with cardiac microsomes

**Norman Krasnow**, (Brooklyn, NY)

Significance of ventricular diastolic gallop in the presence of wall motion abnormalities in coronary artery disease

**Bernard F. Schreiner**, Donald Jackson\*, Pravin M. Shah\*, James T. Dove\* and W. Bromley Clarke\* (Rochester, NY)

\*By invitation

**Fourteenth Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 23-24, 1975**  
**Officers, 1975**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1975  
Term expires 1976  
Term expires 1977

George G. Rowe, Madison, WI  
Harold T. Dodge, Seattle, WA  
Noble O. Fowler, Cincinnati, OH  
  
Richard S. Ross, Baltimore, MD  
Lewis January, Iowa City, IA  
Howard B. Burchell, Minneapolis, MN

**Thursday, January 23, 1975 – 1:00 PM, George R. Rowe, Presiding, First Scientific Session**  
Effect of digitalis on right ventricular volume and hypertrophy in chronic pulmonary hypertension  
**Charles B. Mullins**, Roger S. Knapp, III\*, Thomas C. Turner\* and Larry R. Laufer\* (Dallas, TX)

Production of ventricular hypertrophy simulating "idiopathic hypertrophic subaortic stenosis" (IHSS) by subhypertensive infusion of norepinephrine (NE) in the conscious dog  
**J. Michael Criley**, Arnold H. Blaufuss\*, Michael M. Laks\*, Dan Garner\* and Bruce M. Ishimoto\* (Los Angeles, CA)

Studies on regional myocardial function in the conscious dog during acute myocardial ischemia and infarction  
**John Ross, Jr.**, Pierre Theroux\* and Dena Franklin\* (San Diego, CA)

Quantitative regional myocardial perfusion (*not presented because of illness*)  
**Leon Resnekov** and Harold Glass\* (Chicago, IL)

Serial changes in cardiac performance during rapid atrial pacing  
**James A. Shaver**, James J. Leonard, Frank W. Kroetz\* and P. S. Reddy\* (Pittsburgh, PA)

Pacemakers in tissue cultured aggregates of heart cells  
**H. A. Fozzard** and R. L. DeHaan\* (Chicago, IL)

A new computer system for processing ambulatory ECG's: Evaluation and clinical use  
**Donald C. Harrison** and John W. Fitzgerald\* (Stanford, CA)

Ten to 40 year follow-up of 69 patients with systolic click with or without apical late systolic murmur  
Nancy Haley Appelblatt\*, **Park W. Willis, III**, Jack A. Lenhart\*, Jeffrey I. Shulman\* and **Joseph A. Walton, Jr.** (Ann Arbor, MI)

**Friday, January 24, 1975 – 8:15 AM**  
Business meeting  
Second Scientific Session

Election of Officers

The sequence of ventricular repolarization associated with normal activation  
**J. A. Abildskov** (Salt lake City, UT)

Production of high frequency notching of QRS in an in vivo cardiac model  
Condon R. VanderArk\* and **Ernest W. Reynolds** (Madison, WI)

Slow channel-dependent automaticity in depolarized guinea pig ventricular myocardium  
Sunao Imanishi\* and **Borys Surawicz** (Lexington, KY)

Comparison of adipose tissue metabolic activities of patients with alcohol- and carbohydrate-induced hyperlipemia  
**Peter T. Kuo**, Warren C. Fan\*, Kiyoshi Hayase\*, Eve M. Thyrum\* and John B. Kostis (Piscataway, NJ)

Plasma renin activity and cardiovascular disease  
**Roger B. Hicklere** and A. Richard Christlieb\* (Worcester, MA)

The specificity of elevated MB CPK activity in the diagnosis of acute myocardial infarction  
**Burton E. Sobel**, Robert Roberts\* and Philip D. Henry\* (St. Louis, MO)

Treatment of cardiogenic shock in acute myocardial infarction. Medical, mechanical support, surgery – A progress report

Evaluation of surgical management of stable angina (*Not presented because of illness*)

**To be read by title:**

Spontaneous contraction of cultured arterial smooth muscle

Follow-up studies in 100% of 215 consecutive patients with coronary bypass grafts after at least one year

The effect of cigarette smoking on left ventricular function in patients with coronary heart disease and non-coronary heart disease

Altered hemoglobin affinity for oxygen in patients with coronary artery disease taking propranolol

Left ventricular performance in coronary artery disease by systolic time intervals and echocardiography

Phenoxybenzamine – induced pulmonary hypertension (PH) in cattle

Silent myocardial infarction

VPBs among men with coronary heart disease: Risk of death and relation to other factors influencing prognosis

Angina pectoris and myocardial infarction in aortic stenosis

\*By invitation

**Rolf M. Gunnar**, Henry S. Loeb\*, Sarah A. Johnson\* and Patrick J. Scanlon\* (Maywood, IL)

J. F. Pfeifer\*, **H. N. Hultgren**, W. W. Angell\* and J. Hollingsworth\* (Palo Alto, CA)

**David H. Blankenhorn**, Donald E. Rounds\*, Wendelin J. Paule\* and Tibor K. Zemplenyi\* (Los Angeles, CA)

**David G. Greene**, Djavad T. Arani\*, Ivan L. Bunnell, Ravinder N. Tandon\*, Walter T. Zimdahl\*, John M. Bozer\*, Robert M. Kohn\* and Gretchen L. Smith\* (Buffalo, NY)

Eduardo Meaney\* and **Ralph Shabetai** (Lexington, KY)

**L. S. Cohen**, J. D. Schrumph\* and D. S. Sheps\* (New Haven, CT)

**Arnold M. Weissler**, Banda P. Reddy\*, Cheng C. Lee\*, Richard Stack\* and Marianne Taylor\* (Detroit, MI)

**Hiroshi Kuida**, J. Kent Thorne\*, Frederick L. Anderson\* and Theofilos Tsagaris\* (Salt Lake City, UT)

**Joseph T. Doyle** (Albany, NY)

**Charles W. Frank**, W. Ruberman\*, E. Weinblatt\*, J. D. Goldberg\*, S. Shapiro\* and C. L. Feldman\* (Bronx, NY)

**E. William Hancock** (Stanford, CA)

**Fifteenth Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 22-23, 1976**  
**Officers, 1976**

President  
Vice President  
Secretary-Treasurer  
Council Members:

Harold T. Dodge, Seattle, WA  
Noble O. Fowler, Cincinnati, OH  
Park W. Willis, III, Ann Arbor, MI

Term expires 1976  
Term expires 1977  
Term expires 1978

Lewis January, Iowa City, IA  
Howard B. Burchell, Minneapolis, MN  
Borys Surawicz, Lexington, KY

**Thursday, January 22, 1976 – 1:00 PM, Harold T. Dodge, Presiding, First Scientific Session**  
Relationship between coronary perfusion pressure distal to a stenosis and the distribution of transmural myocardial blood flow  
Joseph C. Greenfield, Jr., Philip A. McHale\* and J. Scott Rankin\* (Durham, NC)

Metabolic studies in patients with acute myocardial infarction

Charles E. Rackley, R. O. Russell, Jr.\* , J. A. Mantle\*, W. J. Rogers\*, J. W. Prather\* and H. G. McDaniel\* (Birmingham, AL)

Acute uremia as a model for studying relations between myocardial function and subcellular mechanisms

James Scheuer, Thasana Nivatpumin\*, Tada Yipintsoi\*, Somsong Penpargkkul\* and Ashok Bhan\* (Bronx, NY)

Chronic potassium depletion and acute coronary vasodilator responses

Thomas W. Moir and R. E. Eckel\* (Cleveland, OH)

Myosin specific antibody: A new method in localization and sizing of myocardial infarcts

Edgar Haber, Ban an Khaw\*, George A. Beller\* and Thomas W. Smith\* (Boston, MA)

Early quantitative external detection of myocardial infarction with <sup>11</sup>C-fatty acids

Burton E. Sobel, Edward S. Weiss\* and Michel M. Ter-Pogossian\* (St. Louis, MO)

Infarct size and chemotactic activity: Effect of various interventions

Rolv M. Gunnar, Joseph R. Hartmann\* and John A. Robinson\* (Maywood, IL)

Angiographic evidence of atherosclerotic regression with risk factor reduction in hyperlipoproteinemia

David H. Blankenhorn, Robert Barndt, Jr.\* , Samuel H. Brooks\*, Donald W. Crawford\* and Tibor Zemplenyi\* (Los Angeles, CA)

**Friday, January 23, 1976 – 8:15 AM**  
Business meeting  
Second Scientific Session

Election of Officers

Overview of Bethesda conference on cardiology manpower

Walter H. Abelmann (Boston, MA)

Predictability of reversible left ventricular dysfunction in coronary artery disease

Michael V. Herman and Richard Gorlin (New York, NY)

Evaluation of surgical management of unstable angina

Herbert N. Hultgren, James Pfeifer\* and William Angell\* (Palo Alto, CA)

Measurement of left ventricular dimensions and volume in man by use of radiopaque epicardial markers

Harold T. Dodge, Morris Frimer\*, Douglas K. Stewart\* and Donald L. Vine\* (Seattle, WA)

Coronary arteriography and left ventriculography early after acute myocardial infarction

J. O'Neal Humphries, R. A. Schulze\*, B. Pitt\*, L. S. C. Griffith\*, H. Ducci\* and M. Baird\* (Baltimore, MD)

The effect of jejunoileal bypass in patients with morbid obesity on the pharmacokinetics of digoxin in man

Enhanced diagnostic power of submaximal treadmill stress testing (SMST) by measurement of the post-exercise left ventricular ejection time index (LVETI)

Multipolar-sensitive orthogonal electrocardiographic leads

**To be read by title:**

The multiple risk factor intervention trial

Coronary heart disease mortality in relation to heart size, exercise performance and bypass surgery

Cardiac amyloidosis and restrictive cardiomyopathy

A method for the production in animals of antibodies to human lecithin: Cholesterol acyltransferase

Abnormal myocardial conduction in hypercholesterolemia without ischemia

Cardiogenic shock-circulatory support and emergency cardiac surgery, indications, immediate and long-term results

\*By invitation

**Frank I. Marcus**, Edward Quinn\*, Herschella Horton\*, Shannon Jacobs\*, Susan Pippin\*, Marvin Stafford\* and Charles Zukoski\* (Tucson, AZ)

**Richard P. Lewis**, Stephen F. Schaal\*, Wilbur F. Forester\* and David G. Marsh\* (Columbus, OH)

**Nancy C. Flowers** and Leo G. Horan\* (Louisville, KY)

**O. Paul** (Chicago, IL)

**Robert A. Bruce**, Nina Chinn\*, John B. Irving\* and Timothy DeRouen\* (Seattle, WA)

**Ralph Shabetai** and Eduardo Meaney\* (Lexington, KY)

**Louis A. Soloff** and K. G. Varma\* (Philadelphia, PA)

**Timothy J. Regan**, Philip O. Ettinger\*, Henry A. Oldewurtel\* and Bunyad Haider\* (Newark, NY)

**Leon Resnekov**, Raul Falicov\*, Jafar Al-Sadir\*, D. S. Das Gupta\* and C. E. Anagnostopoulos\* (Chicago, IL)

**Sixteenth Annual Meeting of the Association of University Cardiologists  
Arizona Biltmore, Phoenix, Arizona  
January 19-21, 1977**

**Officers, 1977**

President	Noble O. Fowler, Cincinnati, OH
Vice President	Borys Surawicz, Lexington, KY
Secretary-Treasurer	Park W. Willis, III, Ann Arbor, MI
Council Members:	
Term expires 1977	Howard Burchell, Minneapolis, MN
Term expires 1978	James J. Leonard
Term expires 1979	J. Michael Criley

**Thursday, January 20, 1977** – 1:00 PM, Noble O. Fowler, Presiding, First Scientific Session

A total of 16 scientific papers were presented between Thursday afternoon and Friday morning.

**Friday, January 21, 1977** – 8:15 AM

Business meeting

Second Scientific Session

Election of Officers

**Seventeenth Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 19-20, 1978**  
**Officers, 1978**

President	Borys Surawicz, Lexington, KY
Vice President	Thomas N. James
Secretary-Treasurer	Park W. Willis, III, Ann Arbor, MI
Council Members:	
	J. Michael Criley
	Thomas Killip
	James J. Leonard

**Thursday, January 19, 1978 – 9:30 – 11:00 AM**

**TRAINING, MAINTAINING, AND RETAINING THE ACADEMIC CARDIOLOGIST**

Dr. J. Willis Hurst - Moderator

9:30-10:30	PANEL-Eugene Braunwald, Frank Marcus, Harold Dodge
10:30-11:15 Discussi	on
11:15-11:30	Summary – J. Willis Hurst

**Thursday, January 19, 1978 – 1:00 PM, Borys Surawicz, Presiding, First Scientific Session**  
The spectrum of conduction defects found in association with mitral valve prolapse and normal coronary arteries  
Ronald R. Masden\*, Daniel E. McMartin\* and **Nancy C. Flowers**

Discussion Leader: Ray Pryor

Clinical and pharmacologic studies with tocainide, a new antiarrhythmic agent  
**Donald C. Harrison**, Roger Winkle\*, Peter Meffin\*, Jeff Anderson\* and Jay Mason\*  
Discussion Leader: Charles Fisch

Contrasting effects of converting enzyme blockade in postpartum hypertension, renovascular hypertension and essential hypertension  
**Jay M. Sullivan**, Thomas E. Ratts\*, Russell L. Prewitt, Jr.\* and E. Eric Muirhead\*  
Discussion Leader: Dean Mason

Optimization of propranolol therapy for angina pectoris and coronary bypass surgery  
**Richard P. Lewis**, Harisios Boudoulas\*, Robert E. Kates\* and John S. Vasko\*  
Discussion Leader: Dean Mason

Can myocardial damage following coronary occlusion really be reduced?  
**Eugene Braunwald**, Derek Maclean\*, Michael Fisbein\*, Robert A. Kloner\*, Lair G. Ribeiro\* and Peter R. Maroko\*  
Discussion Leader: Charles Rackley

Role of renin in the systemic vasoconstriction of heart failure: The response to inhibition of converting enzyme  
**Jay N. Cohn**, Carl Curtiss\*, Thomas Vrobel\* and Joseph Franciosa\*  
Discussion Leader: Harold Swan

Relation of lipids, weight, and physical activity to coronary heart disease incidence  
**Mario R. Garcia-Palmieri**, Raul Costas, Jr.\*, Emilio Nazario\* and Paul D. Sorlie\*  
Discussion Leader: Robert Brandenburg

Medical versus surgical therapy for coronary artery disease—effect on symptoms  
**Herbert N. Hultgren**, Peter Peduzzi\* and James F. Pfeifer\*  
Discussion Leader: Rolf Gunnar

**Friday, January 20, 1978 – 8:15 AM**

Business meeting

Missing abstracts #9 through #16

Election of Officers

**To be presented if time allows:**

Incidence of cardiac arrhythmia in subjects with normal hearts

John B. Kostis\* and **Peter T. Kuo**  
Discussion Leader: Donald Harrison



The long Q-T syndrome: Medical and surgical therapy

**Ray Pryor**, Bruce H. Coyer\* and S. Gilbert Blount, Jr.  
Discussion Leader: J. A. Abildskov

**To be read by title:**

Cigarette smoking, positive family history and shortened platelet survival as predictors of coronary artery disease under age of 50

Valentin Fuster\* and **R. O. Brandenburg**

Surface reflections of cardiac excitation and the assessment of infarct volume: A comparison of methods

**Nancy C. Flowers**, R. Chris Hand\*, M. R. Sridharan\*, **Leo G. Horan** and G. S. Sohi\*

Hemodynamic effects of renin-angiotension system inhibition in sodium-depleted dogs

**William B. Hood, Jr.**, Chang-seng Liang\* and Haralambos Gavras\*

Quantitative thallium-201 scintigraphy in acute myocardial infarction

**R. F. Leighton**, A. D. Nelson\*, S. C. Khullar\*, J. N. Rossa\*, G. C. Gudd\*, S. Chang\* and A. Gohara\*

Myocardial complement (c3) localization after experimental acute myocardial infarction in the baboon

**Robert A. O'Rourke**, Michael H. Crawford\*, Frederick Grover\*, John Ghidoni\*, Merle Olson\* and R. Neal Pinckard\*

Acute course, left ventricular function and coronary artery anatomy in patients with uncomplicated myocardial infarction

**Charles E. Rackley**, Richard O. Russell, Jr.\*, John A. Mantle\*, William J. Rogers\* and Huey G. McDaniel\*

Enhanced sodium uptake by ischemic myocardium during ST segment depression

**T. J. Regan**, B. Haider\*, S. S. Ahmed\*, H. A. Oldewurtel\* and B. Thangamani\*

Detection and prediction of perioperative myocardial infarction following coronary artery bypass

William Fennell\*, Kok Gee Chua\*, Harischandra B. Karunaratne\*, Juliet Morgan\*, Leon Resnekov, John Lamberti\*, Constantine E. Anagnostopoulos\* and **Louis Cohen**

Failure of physical training to improve myocardial blood flow

**James Scheuer**, Michael V. Cohen\* and Tada Yipintsoi\*

Myocardial protein synthesis and degradation: Studies in isolated left atrial explants

**Thomas W. Smith**, Gregory D. Curfman\* and Donald S. O'Hara\*

\*By invitation

**Eighteenth Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 18-19, 1979**  
**Officers, 1979**

President	Thomas N. James
Vice President	Park W. Willis, III
Secretary-Treasurer	Robert C. Schlant
Council Members:	
Term expires 1979	J. Michael Criley
Term expires 1980	Thomas Killip
Term expires 1981	Frank Marcus

**Thursday, January 18, 1979** – 1:00 PM, Thomas N. James, Presiding, First Scientific Session

Movement of blood through manipulation of intrathoracic pressure **Myron L. Wesfeldt**, Michael T. Rudikoff\*, and Nisha Chandra\*

Critical coronary artery stenosis: Studies in animals with transient aortic insufficiency **C. Richard Conti**, Robert L. Feldman\*, Wilmer W. Nichols\* and Carl J. Pepine\*

Identification of two types of atrial flutter. Studies in man following open heart surgery **A. L. Waldo**, J. L. Wells, Jr.\*, T. B. Cooper\*, V. J. Plumb\*, W. A. H. MacLean\* and **T. N. James**

Negative U wave: Clinical significance and possible mechanism Hiroshi Kishida\*, **Borys Surawicz** and James S. Cole\*

Concealed conduction: Eight-five years after Engelmann **Charles Fisch**

The mechanism of digitalis-induced inotropy **Thomas W. Smith**, William H. Barry\* and Stefan Biedert\*

Relationship between degree of stenosis and regional myocardial blood flow in coronary artery disease **Francis J. Klocke**, David G. Greene, Ivan L. Bunnell, Douglas L. Roberts\*, Neil Dashkoff\* and Djavad T. Arani\*

Amrinone: an inotropic agent to replace digitalis glycosides? **Edmund H. Sonnenblick**, Thierry H. LeJentel\* and A. Alousi\*

**Friday, January 19, 1979** – 8:15 AM

Business meeting

Second Scientific Session

Election of Officers

Quantitation of coronary heart disease

**William C. Roberts**

Abnormalities in control of vascular resistance in young men with borderline hypertension

**Allyn L. Mark**

Myocardial mechanical and biochemical alterations in experimental diabetes in rats

**James Scheuer**, Somsong Penpargkul\*, Ashwani Malhotra\*, John Strobeck\*, Frederick Fein\* and **Edmund H. Sonnenblick**

The complete purification of dog renin: Utility of renin specific antibodies in demonstrating the role of renin in cardiovascular homeostasis

**Edgar Haber**, Victor Dzau\*, Richard Kopelman\*, Eve Slater\* and A. Clifford Barger\*

A prospective study of sudden death in "high-risk" bundle branch block

**Shahbudin H. Rahimtoola**, John H. McAnulty\*, Edward S. Murphy\*, Leonard W. Ritzmann\*, Paul Kanarek\* and Henry DeMots\*

Exercise ventriculography: Comparison of radionuclide and contrast techniques

**Bertram Pitt**, Thomas J. Brady\*, Joseph A. Walton\*, James F. Brymer\* and James H. Thrall\*

Restraint of the heart by the normal and abnormal pericardium

**Ralph Shabetai**, Roy Ditchy\*, Martin leWinter\*, Robert Engler\*, Valmic Bhargava\* and **John Ross, Jr.**

**To be read by title:**

Coronary disease prevention for Rhode Island

**Richard A. Carleton**, Paul D. Thompson\* and David A. Bedworth\*

Long term echocardiographic follow-up after surgical treatment for idiopathic hypertrophic subaortic stenosis (IHSS)

**Marvin Dunn**, Gian Luigi Nicolosi\* and David M. Pugh\*

Evidence for prolongation of survival by coronary artery bypass surgery

**D. G. Greene**, I. L. Bunnell, D. T. Arani\*, G. Schimert\*, T. Z. Lajos\*, A. B. Lee\*, R. N. Tandon\*, W. T. Zimdahl\*, J. M. Bozer\*, R. M. Kohn\*, J. P. Vosci\* and G. L. Smith\*

Pre-operative intra-aortic balloon counterpulsation in high risk patients

**Rolf M. Gunnar**, Henry Loeb\*, Roque Pifarre\*, Henry Sullivan\*, Robert Croke\*, William Jacobs\* and Mary Klodnycky\*

Conditioning effects of chronic infusions of dobutamine: Comparison with exercise training

**William B. Hood, Jr.**, Chang-seng Liang\*, Ronald R. Tuttle\* and Haralambos Gavra\*

Effects of combined diet, bile acid sequestrant and nicotinic acid in patients with familial type II hyperlipoproteinemia and coronary artery disease 9CAD)

**Peter T. Kuo**, Kiyoshi Hayase\*, John B. Kostis\* and Abel E. Moreyra\*

Computer processing of stress thallium-201 scintigrams (STS)

**Richard F. Leighton**, A. Dennis Nelson\*, Lawrence Yonovitz\*, Lee T. Andrews\* and Dinesh Thekdi\*

A comparison of patients with acute myocardial infarction (AMI) who were users and nonusers of a prehospital coronary care system

**Richard P. Lewis**, John M. Stand\* and Martin Keller\*

Chronic changes in right ventricular function following surgically created atrial septal defect

**Charles B. Mullins**, William W. Miller\* and J. V. Nixon\*

Inter- and Intra-patient variation in the frequency of ventricular ectopic activity in high-risk patients on long-term antiarrhythmic therapy

**R. J. Myerburg**, C. A. Conde, R. J. Sung\*, D. S. Sheps\* and A. Castellanos\*

The Long Q-T syndrome: Medical and Surgical Therapy

**Ray Pryor**, Bruce H. Coyer\* and **S. Gilbert Blount**

Quantitative measurements of the myocardial uptake of nitrogen-13-labelled ammonia

**Leon Resnekov**, H. Karunaratne\*, P. V. Haepfer\*, R. Scott\* and **F. Atkins**

The effect of angiotensin converting enzyme inhibition on coronary blood flow and hemodynamics in normal patients

**Thomas J. Ryan**, David P. Faxon\*, Howard Sussman\*, Haralambos Gavras\* and Chang-seng Liang\*

Sam, ash, and dust in hypertrophic obstructive cardiomyopathy (HOCM)

**M. Shah Pravin**, Richard D. Taylor\*, John Child\* and Mayleng Wong\*

Ventricular contractile performance, pump function and compensatory mechanisms in aortic stenosis in man

**James F. Spann**, Alfred A. Bove\*, Gangaiah Natarajan\* and Thomas Kreulen\*

Effect of digoxin toxicity on intrinsic cardiac muscle performance

**John F. Williams, Jr.**

\*By invitation

**Nineteenth Annual Meeting of the Association of University Cardiologists  
Arizona Biltmore, Phoenix, Arizona  
January 17-18, 1980  
Officers, 1980**

President	Park W. Willis, III
Vice President	Edgar Haber
Secretary-Treasurer	Robert C. Schlant
Council Members:	
Term expires 1980	Thomas N. James (past president)
Term expires 1980	Thomas Killip
Term expires 1981	Frank Marcus*
Term expires 1982	J. O'Neal Humphries

\*Frank Marcus on sabbatical 1979-80 – Noble O. Fowleer serving in his place.

**Thursday, January 17, 1980 – 9:15 – 11:45 AM - panel discussion**

**EPIDEMIOLOGY AND PREVENTION OF ATHEROSCLEROTIC DISEASE**

Panelists: Oglesby Paul, M.D., Chairman; G. S. Berenson, M.D.  
Peter T. Kuo, M.D., Robert A. Bruce, M.D.

- A. Clues to mechanisms of cardiovascular disease from an epidemiologic study of children – The Bogalusa Heart Study  
**G. S. Berenson**, S. R. Srinivasan\*, A. W. Voors\* and **L. S. Webber**
- B. Progression of coronary artery disease to occlusion in patients with familial hypercholesterolemia treated with diet-colestipol-nicotinic acid without infarction or ischemia: Role of collateral circulation  
**Peter T. Kuo**, John B. Kostis\*, Abel E. Moreyra\* and James A. Hayes\*
- C. The value of maximal exercise tests in risk assessment of primary coronary heart disease events in healthy men in five year's experience from the Seattle Heart Watch Study  
**Robert A. Bruce**, Timothy A. DeRouen\* and Kenneth F. Hossak\*
- D. The multiple risk factor intervention trial  
**Oglesby Paul**

**Thursday, January 17, 1980 – 1:00 PM, First Scientific Session**

Quantitative thallium-201 exercise scintigraphy for detection of coronary artery disease	<b><u>George A. Beller</u></b> and Denny D. Watson*
--	---

Low velocity-high velocity left ventricular wall motion pattern in patients with coronary heart disease	<b><u>Richard F. Leighton</u></b> , A. Dennis Nelson*, Lee T. Andrews* and Manohara Gupta*
---	--

Digoxin-quinidine interaction: Increased digoxin brain concentration	<b><u>James E. Doherty</u></b>
--	--------------------------------

Effects of hypertension and antihypertensive therapy on cardiac performance and on the response to myocardial infarction	<b><u>Eugene Braunwald</u></b> , Janice Pfeffer*, Peter Fletcher* and Marc Pfeffer*
--	---

Different sensitivity of canine myocardium and epicardium to hypoxia, hyperkalemia and acidosis	<b><u>Douglas P. Zipes</u></b> and Robert F. Gilmour, Jr.*
---	--

The mechanism of abnormal splitting of the second heart sound in atrial septal defect	<b><u>Robert J. Adolph</u></b> , James M. Allen*, Mosche Gueron* and Marge Bagle*
---	---

Left bundle branch block and mechanical events of the cardiac cycle	<b><u>Herbert N. Hultgren</u></b> and Ernest Craige
---	---

Enhancement of tactile perception as employed in palpitation	<b><u>Ernest Craige</u></b> and D. Smith*
--	---

Prognostic significance of systolic time intervals in coronary artery disease	<b><u>A. M. Weissler</u></b> , W. O'Neill*, R. S. Stack*, P. C. Chew* and Y. H. Sohn*
---	---

Special presentation: The effect of training programs of the change in timing of the subspecialty board examination in cardiovascular disease

**Friday, January 18, 1980 – 8:15 AM**

Business meeting

Second Scientific Session

Degradation of canine cardiac myosin and actin by cathepsin D isolated from homologous tissue at acid and near neutral pH

Characterization and effects of changes in myocardial K<sup>+</sup> induced by coronary artery ligation in the pig

Positive inotropic effect of hydralazine compared to prazosin in the failing left ventricle of man

Afterload reduction therapy for chronic severe aortic insufficiency: beneficial effects during rest and exercise, and mechanism of improved cardiac performance

The regional circulatory effects of oral angiotensin inhibition in patients with congestive heart failure

Refractory ventricular tachycardia: Mechanisms and treatment

Entrainment and interruption of classical atrial flutter by rapid atrial pacing

**To be presented if time allows:**

Regional coronary hemodynamic effects of ergonovine in patients with and without variant angina

Effects of glucose-insulin-potassium administration in acute myocardial infarction: 100 randomized patients

**To be read by title:**

The heart as a passive conduit – A new concept of the mechanism of blood flow in C.P.R.

A beat by beat recording of HIS purkinje wave forms without digital averaging

Differentiation between cardiac and skeletal muscle myosin light chains in the diagnosis of myocardial infarction: A problem solved by somatic cell fusion of antibody forming cells

Prolongation of life with coronary bypass surgery: Can valid conclusions be deduced from a non-random surgical series?

Zero-flow pressure (P<sub>ZF</sub>): A quantitatively important determinant of coronary driving pressure and autoregulatory changes in coronary perfusion

Baroflex control of vascular resistance in borderline hypertensive men: Impairment of carotid baroreflex and augmentation of cardiac baroreflex

**Robert J. Adolph**

Election of Officers

**Michael Lesch** and Edward A. Ogunro\*

**Leonard S. Gettes** and Jeffrey L. Hill\*

**Richard P. Lewis**, Raymond D. Magorien\*, Christopher E. Desch\*, Douglas W. Triffon\*, Donald V. Unverferth\* and Carl V. Leiere\*

**Shahbudin H. Rahimtoola**, Barry Greenberg\*, Henry DeMots\* and Edward Murphy\*

**Thomas J. Ryan**, David P. Faxon\*, Mark Creager, Jonathan Halperin\* and David Bernard\*

**John A. Kastor**, Mark E. Josephson\*, Leonard N. Horowitz\* and **Alden H. Harken**

**Albert L. Waldo**, Vance J. Plumb\*, William A. H. MacLean\* and **Thomas N. James**

**C. Richard Conti**, Robert L. Feldman\*, Carl J. Pepine\* and R. Charles Curry\*

**Charles E. Rackley**, William J. Rogers\*, John A. Mantle\*, Huey G. McDaniel\* and Richard O. Russell, Jr.

**J. Michael Criley**, James T. Niemann\*, John Rosborough\*, Mark Hausknecht\* and Daniel Garner\*

**Nancy C. Flowers**, Vladimir Shvartsman\* and **Leo G. Horan**

**Edgar Haber**, Paul Ehrlich\*, Vincent Zurzowski\*, Hugo Katus\* and Ban An Khaw\*

**Robert J. Hall**, Virendra S. Mathur\*, Efrain Garcia\* and Carlos de Castro\*

**Francis J. Klocke**, Avery K. Illis\*, John M. Canty\*, Ron D. Anbar\*, James F. Klocke\*, Roslyn R. Romanowski\*, Martin P. Echt\* and Kenneth W. Wallmeyer\*

**Allyn L. Mark** and Richard E. Kerber\*

Adrenergic responsiveness following abrupt propranolol withdrawal in normal subjects and patients with angina pectoris

Biplane geometric ventricular volumes from combined first transit-equilibrium radionuclide ventriculography

Experimental studies of stress-induced regional myocardial dysfunction due to ischemia

Long-term captopril therapy: Discrepancy between converting enzyme inhibition and antihypertensive effect  
\*By invitation

**Robert O'Rourke**, Michael Crawford\*, JoAnn Lindenfeld\* and Lawrence Horwitz\*

**Shahbudin H. Rahimtoola**, Elias Botvinick\*, Juan Perez-Gonzalez\*, Thomas Ports\*, Bruce Brundage\*, Robert Hattner\*, Kamu Chatterjee\* and **William W. Parmley**

**John Ross, Jr.**, K. P. Gallagher\*, Alex Battler\*, Toshiaki Kumada\*, W. Scott Kemper\* and V. F. Froelicher\*

**Jay M. Sullivan**, John C. Taylor\*, Darrell Patrick\*, James G. Johnson\*, Thomas E. Ratts\* and E. Erick Muirhead\*

**Twentieth Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 22-23, 1981**  
**Officers, 1981**

President Edgar  
Vice President  
Secretary-Treasurer  
Council Members:  
Term expires 1981  
Term expires 1981  
Term expires 1982  
Term expires 1983

Haber  
Charles W. Frank  
Robert C. Schlant  
  
Park W. Willis, III (past president)  
Frank Marcus  
J. O'Neal Humphries  
C. Glenn Sawyer

**Thursday, January 22, 1981 – 9:15 – 11:45 AM - MORNING SYMPOSIUM**

I. SUPPORT OF RESEARCH AND TRAINING IN CARDIOLOGY: PROSPECTS FOR THE FUTURE  
Dr. Robert Levy, Director, National Heart Lung and Blood Institute

II. DISCUSSION PANEL:  
Lawrence S. Cohen, M.D., Yale University  
Donald C. Harrison, M.D., Stanford University  
Thomas N. James, M.D., University of Alabama

**Thursday, January 22, 1981 – 1:00 PM, First Scientific Session**

The residual functional lesion in "salvaged" myocardium

Myron L. Weisfeldt, David S. Blumenthal\*, Lewis C. Becker\*, Bernadine H. Bulkley\*, Grover M. Hutchins\*, John B. Garrison\*, Robert Jenkins\* and James L. Weiss\*

Fructose 1-6 diphosphate: A new agent for treatment of myocardial infarction and shock

Harper K. Hellems and A. K. Markov\*

Role of calcium in the hereditary cardiomyopathy of the Syrian hamster

William W. Parmley, Jean Rouleau\*, Joan Wiman-Coffelt\*, Parris Kidd\* and Leonard Chuck\*

Is chronic congestive cardiomyopathy a sequel of acute viral myocarditis?

Walter H. Abelmann, Candace L. Miklozek\* and John S. Modlin\*

Rabbit cardiac immunoreactive cathepsin D content during starvation-induced atrophy

Michael Lesch, Allen M. Samarel\* and Edward A. Ogunro\*

Inotropic and chronotropic effects of insulin in the intact dog: Contribution of catecholamines and hypoglycemia

William B. Hood, Jr., John U. Doherty\*, Chang-seng Liang\* and Haralambos Gavras\*

The reversal of cardiac abnormalities in diabetic rats by treatment with insulin

James Scheuer, Ashwani Malhotra\* Frederick Fein\*, Thomas F. Schaible\* and Edmund H. Sonnenblick

Transient luminal reductions in stenosed coronary arteries

J. D. Folts\* and George G. Rowe

Evaluation of the effect of coronary bypass surgery on ventricular function assessed by rest and exercise radionuclide ventriculography

Robert J. Hall, E. Gordon DePuey\*, Efrain Garcia\* and John A. Burdine

Predicting the extent and location of coronary disease two-weeks post-myocardial infarction by thallium-201 scintigraphy

George A. Beller, Robert S. Gibson\*, George J. Taylor\*, Denny D. Watson\* and Richard C. Crampton\*

RECEPTION – WEST FOYER  
6:15-7:45 PM

20<sup>th</sup> ANNIVERSARY BANQUET DINNER (Black Tie) – GRAND BALLROOM  
8:00-10:00 PM

After Dinner Talks:

"Dr. George E. Burch" by Howard B. Burchell, M.D.

"Review of the Origin, Intentions, and First 20 Years of the Association of University Cardiologists" by George E. Burch, M.D.

**Friday, January 23, 1980 – 8:15 AM**

Business meeting

Second Scientific Session

Election of Officers

Profound alterations in left ventricular performance during anesthesia induction for coronary surgery detected with the computerized nuclear probe

**Barry L. Zaret**, Robert Giles\*, Harvey J. Berger\* and Paul Barash\*

Interaction of digitalis glycosides and catecholamines in heart muscle: A novel explanation for sodium pump stimulation by low ouabain concentrations

**Thomas W. Smith** and Thomas J. Hougen\*

Digoxin uptake into peripheral cardiac nerves: A mechanism for antiarrhythmic and toxic cardiac actions

**James E. Doherty, III**, and L. Scott Cook\*

Na-Ca exchange and digitalis action

**Harry A. Fozzard** and S-S. Sheu\*

Changes in stroke volume after single dose intravenous nitroglycerin administration: Early and late effects

**C. Richard Conti**, Leonard G. Christie, Jr.\* and Wilmer W. Nichols\*

An approach to prevent adult hypertensive disease beginning in childhood: The design, selection, and early response—The Bogalusa Heart Study

**Gerald S. Berenson**, L. S. Webber\*, A. W. Voors\*, G. C. Frank\*, R. P. Farris\*, C. V. Blonde\*, G. G. Aristimuno\* and L. Tobian\*

**To be presented if time allows:**

"Cough C.P.R." revisited – A model for improving C.P.R.?

**J. Michael Criley**, Steven Ung\*, James Niemann\*, John Suzuki\* and John Rosborough\*

Problems involved in the identification of salt-sensitive humans

**Jay Michael Sullivan**

Beat-to-beat regulation of coronary flow

G. G. Schwartz\*, P. A. McHale\* and **Joseph C. Greenfield, Jr.**

**To be read by title:**

Estimates of cost effective trials when angiography is used to evaluate lipid lowering therapy

**David H. Blankenhorn** and Samuel H. Brooks\*

Genesis of the third heart sound from computer analysis of left ventricular cineangiograms

**Ernest Craige**, Y. Ozawa\* and D. Smith\*

Five-year survival after coronary bypass grafts: Relation of subsets to general population matched for age and sex

**David G. Greene**, Ivan L. Bunnell, D. T. Arani\*, G. Schimert\*, T. Z. Lajos\*, A. B. Lee\*, W. T. Zimdahl\*, J. M. Gozer\*, R. M. Kohn\*, J. P. Visco\*, D. C. Dean\* and G. L. Smith\*

Gallium-67 scanning in idiopathic congestive cardiomyopathy

John B. O'Connell\*, John A. Robinson\*, Robert E. Henkin\* and **Rolf M. Gunnar**

Diagnostic and therapeutic implications in massive pericardial effusion

**Thomas Killip**, Lynn Miller\* and Mohsin Alam\*

Delineation of carotid arterial lesions in patients with familial hypercholesterolemia

**Peter T. Kuo**, J. A. Schaaf\*, J. B. Kostis\*, A. E. Moreyra\* and L. A. Kelly\*



Cardiovascular abnormalities in patients with stress thallium perfusion defects and normal coronary arteries

**Richard F. Leighton**, L. S. Goodenday\*, A. D. Nelson\*, L. T. Andrews\* and N. E. Hire\*

Plasma levels of procainamide, suppression of premature ventricular contractions, and prevention of recurrent sustained ventricular tachycardia

**Robert J. Myerburg**, Kenneth M. Kessler\*, Cesar A. Conde\* and Agustin Castellanos\*

The exercise stress test: Is it useful in predicting cardiac mortality and identifying patients with severe coronary artery disease?

**Thomas J. Ryan**, Donald A. Weiner\* and Carolyn H. McCabe\*

Ventricular interaction as an important determinant of the diastolic pressure-volume relationship: Importance of the pericardium

**Ralph Shabetai**, Otto M. Hess\* and **John Ross**

Electrophysiological response of vascularized hamster cardiac transplants to ischemia  
\*By invitation

Robert F. Gilmour\* and **Douglas P. Zipes**

**Twenty-First Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 14-15, 1982**  
**Officers, 1981-82**

President	Charles W. Frank
Vice President	Robert C. Schlant
Secretary-Treasurer	Nancy C. Flowers
Council Members:	
Term expires 1982	Edgar Haber, (past president)
Term expires 1982	J. O'Neal Humphries
Term expires 1983	C. Glenn Sawyer
Term expires 1984	Lawrence S. Cohen

**Thursday, January 14, 1982 – 1:00 PM, First Scientific Session**

Alterations in regional myocardial metabolism in Duchenne muscular dystrophy detected by positron computed tomography	<b><u>Joseph K. Perloff</u></b> , Eberhart Henze* and Heinrich R. Schelbert*
---	--

Persistent ventricular dysfunction on exercise after recovery from viral myopericarditis	<b><u>Walter H. Abelmann</u></b> , C. L. Midlozek*, Kenneth R. Rice* and Henry D. Royal*
--	--

Chronic transmural infarction prevents refractory period shortening by sympathetic nerve stimulation in noninfarcted areas apical to infarct	Michael J. Barber*, Thomas M. Mueller* and <b><u>Douglas P. Zipes</u></b>
--	---

Regional myosin heavy chain content in healed experimental myocardial infarction	<b><u>R. J. Myerburg</u></b> , P. L. Kozlovskis*
--	--

A state of the art demonstration – 2-D echocardiography in the diagnosis of congenital heart disease	F. Z. Bierman*, R. G. Williams*, S. Sanders* and <b><u>B. S. Tabakin</u></b>
--	--

Evaluation of size and function of mitral valve annulus in man: Potential clinical implications	<b><u>Pravin M. Shah</u></b> , John A. Osmistan*, Chuwa Tei* and Maylene Wong*
---	--

Noninvasive evaluation of diastolic relaxation in primary left ventricular hypertrophy and hypertrophy secondary to pressure and volume overload	<b><u>James A. Shaver</u></b> , William H. Gamble*, Rosemarie Salerni* and Roando Alvares*
--	--

Routine surface identification of HIS bundle activity: Another case of lag between discovery and application	<b><u>Nancy C. Flowers</u></b> , Vladimir Shvartsman*, G. S. Sohi* and <b><u>Leo G. Horan</u></b>
--	---

RECEPTION – GRAND ROOM  
7:00 – 8:00 PM

**Friday, January 15, 1982 – 8:15 AM**

Business meeting	Election of Officers
Second Scientific Session	

Antibodies to the combining site of alprenalol specific antibodies react with the beta adrenergic receptor	Charles Homcy* and <b><u>Edgar Haber</u></b>
--	--

Proposed new classification of antiarrhythmic drugs	<b><u>Donald C. Harrison</u></b> , Roger A. Winkle*, Jay W. Mason*, Robert E. Kates* and <b><u>Nicholas J. Capos, Jr.</u></b>
---	---

Effects of quinidine preadministration upon digoxin tissue distribution	L. Scott Cook*, <b><u>J. E. Doherty</u></b> and K. D. Straub*
---	---

Racial (black-white) differences in handling electrolytes as related to essential hypertension	<b><u>G. S. Berenson</u></b> , A. W. Voors*, E. R. Dalferes*, G. C. Frank* and G. G. Aristimuno*
--	--

Diastolic zero-flow pressure ( $P_{f=0}$ ): A quantitatively important determinant of coronary driving pressure and flow

Effect of verapamil on left ventricular function – A randomized, placebo-controlled study

Improvement of exercise left ventricular performance by high dose diltiazem in patients with angina due to fixed coronary artery disease

**To be presented if time permits:**

Non-invasive evaluation of severity of valvular aortic stenosis employing seven variables and a scoring system

Coronary spasm as a possible cause of post-infarction angina

Echocardiographic documentation of regression of left ventricular hypertrophy in patients treated for essential hypertension

**To be read by title:**

(listed alphabetically by member)

Spontaneous reversion of long-standing fibrillation

Relationship between syncope and potentially lethal arrhythmias (PL A) in hypertrophic cardiomyopathy (HCM)

Multiformity of unifocal ventricular premature beats

Coronary artery bypass in the elderly patient

Metabolic abnormalities of overweight

Inhibition of cardiac sympathetic nerve activity with intravenous administration of lidocaine (withdrawn because of author's illness)

Prophylactic permanent pacemakers for transient heart block during myocardial infarction? Results of a prospective study

\*By invitation

**Francis J. Klocke**, Irwin R. Weinstein\*, James F. Klocke\*, Avery K. Ellis\*, Robert E. Mates\* and John M. Cauty\*

R. E. Vlietstra\*, M. A. Farias\*, **R. L. Frye**, H. C. Smith\* and E. L. Ritman\*

**M. H. Crawford**, M. A. Petru\*, S. G. Sorensen\* and R. A. O'Rourke\*

T. Nakamura\*, U. Shettigar\*, **Herbert N. Hultgren** and R. E. Fowles\*

**J. M. Criley**, Terrance J. Moran\* and William J. French\*

**Robert C. Schlant**, Joel M. Feiner\*, Brent A. Blumenstein\*, Neil B. Shulman\*, Gary L. Wollam\* and W. Dallas Hall\*

**Marvin Dunn**, J. Douglas Gardner\* and Robert Rinkenberger\*

**Martin J. Frank**, Miltiadis Stefadouros\* and Abdulla M. Abdulla\*

D. C. Booth\*, K. A. Popio\* and **L. S. Gettes**

**Robert J. Hall**, MacArthur A. Elayda\*, Virendra S. Mathur\* and Denton A. Cooley\*

**Peter T. Kuo**, John B. Kostis\* and Abel E. Moreyra\*

**Allyn L. Mark**, Brian D. Miller\* and Marc D. Thames\*

**Shahbudin H. Rahimtoola**, Henry Demots\*, John McAnulty\* and Edward Murphy\*

**Twenty-Second Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore, Phoenix, Arizona**  
**January 13-14, 1983**  
**Officers, 1982-3**

President	Robert C. Schlant
Vice President	A. Calhoun Witham
Secretary-Treasurer	Nancy C. Flowers
Council Members:	
Term expires 1983	Charles W. Frank, (past president)
Term expires 1983	C. Glenn Sawyer
Term expires 1984	Lawrence Cohen
Term expires 1985	E. William Hancock

**President's Program**

**Thursday, January 13, 1983 - 9:30 AM - Noon**

Introduction by Dr. Schlant

NHLBI and University Cardiology 1983

Dr. Claude Lenfant, Director of the National Heart, Lung and Blood Institute

The Pharmaceutical Industry and University Cardiology 1983

Dr. Charles Sanders, Executive Vice President of Science and Administration, E. R. Squibb & Sons

General

I Discussion

LUNCH (members on their own)

**Thursday, January 13, 1983 – 1:00 PM, First Scientific Session**

**Moment of silence in memory of deceased members:**

**Kenneth M. Rosen, M.D.**

**Walter H. Pritchard, M.D.**

**Introduction of New Members**

Digoxin-verapamil interaction

**James E. Doherty**, L. Scott Cook\*, Bonnie Baker\*, M. L. Murphy\* and Joseph Franciosa\*

Structure and density of receptors in the cardiac sarcolemmal membrane

**A. M. Katz**, R. A. Colvin\*, T. Ashavaid\* and L. Herbette\*

Suppression of atherosclerosis by interferon inducers in hypercholesterolemic rabbits

**Peter T. Kuo**, Alan C. Wilson\* and Randee C. Goldstein\*

Effects of prostacyclin on platelet function and hemodynamics during evolving myocardial infarction in man

**H. S. Mueller**, P. M. Buttrick\*, M. A. Greenberg\*, I. I. Sussman\* and P. S. Rao\*

The effects of a toxic metabolite of ischemia, lysophosphatidylcholine (LPC) and lidocaine on cardiac excitability in cardiac purkinje fibers

**Morton F. Arnsdorf**

Myocardial hydroxyproline and mechanical response to prolonged pressure loading followed by unloading in the cat

**John F. Williams, Jr.**, Babu Mathew\* and William P. Deiss, Jr.\*

Protection from recurrences of the sudden cardiac death syndrome by coronary revascularization

**Leonard A. Cobb**, Alfred P. Hallstrom\*, Gene B. Trobach\*, H. Leon Greene\* and **W. Douglas Weaver**

Reduction of post-ischemic myocardial injury without altering the ischemic insult

**Myron L. Weisfeldt**, Gary Gerstenblith\*, Dale G. Renlund\*, Edward G. Lakatta\*, William E. Jacobus\* and Gaylan Kallman\*

RECEPTION – SEDONA ROOM  
6:30-7:45 PM

**Friday, January 14, 1983 – 8:15 AM**

Business meeting  
Second Scientific Session

Election of Officers

Abnormalities of the coronary arteries in Whipple's disease

**Thomas N. James** and Bernadine Healy Bulkley\*

Cardiac manifestations of myotonic muscular dystrophy (Steinert's Disease)

**Joseph K. Perloff**, James N. Weiss\* and William G. Stevenson\*

Sodium and genetic predisposition to hypertension: The role of neurogenic mechanisms

**Allyn L. Mark** and Frank J. Gordon\*

Likelihood of potentially lethal arrhythmias in hypertrophic cardiomyopathy: Implications for patient management

**Martin J. Frank**, Miltiadis A. Stefadourous\*, L. Michael Prisant\*, Abdulla M. Abdulla\* and **Laurence O. Watkins**

Immediate and long term effects of laser radiation on the arterial wall: Light and electron microscopic observations

**C. Richard Conti**, George S. Abela\*, Robert L. Feldman\* and Carl J. Pepine\*

Left ventricular function of studies by an ultra shortlived isotope

**J. M. Criley**, K. A. Marahara\*, I. Mena\* and M. Brizendine\*

Transluminal angioplasty: Lessons learned from an experimental model

David P. Faxon\*, Timothy A. Sanborn\*, Christian Haudenschild\* and **Thomas J. Ryan**

Myocardial imaging using rubidium-82 by intracoronary injection

K. G. Chua\*, Jafar Al-Sadir\*, **Leon Resnekov**, P. V. Harper\*, James Ryan\* and Hiro Makino\*

**Alternates to be presented if time permits:**

Studies with a competitive renin inhibitory peptide in man: Evidence for multiple mechanisms of action

R. Zusman\*, J. Burton\* and **E. Haber**

The influence of medical and surgical therapy on progression of coronary artery disease – Insights from a randomized study

Robert T. Palac\*, Min H. Hwang\*, William R. Meadows\*, Henry S. Loeb\* and **Rolf M. Gunnar**

Adaptation of the canine pericardium to cardiac dilatation

**Ralph Shabetai**, Martin M. LeWinter\*, Gregory Freeman\*, Wilbur Lew\* and Mau-Chang Lee\*

Physiologic overload ameliorates the cardiac dysfunction and biochemical changes associated with pathologic cardiac hypertrophy

**James Scheuer**, Thomas Schaible\*, Ashwani Malhotra\*, Joseph Capasso\* and Cary Hirsch\*

**To be read by title:**

Children with different but normal serum lipoprotein levels show subtle and potentially atherogenic carbohydrate-lipid metabolic aberrations

**G. S. Berenson**, S. R. Srinivasan\*, B. Radhakrishnamurthy\*, L. S. Webber\* and A. W. Voors\*

Community wide preventive cardiology research

**Richard A. Carleton** and the Pawtucket Heart Health Program Staff\*

Prognosis in heart failure: Influence of hemodynamic and hormonal measurements

**Jay N. Cohn**, T. Barry Levine\*, Gary S. Francis\* and Maria T. Olivari\*

Changes in coronary collateral conductance following acute coronary artery ligation

**Joseph C. Greenfield, Jr.**

Paradoxical wall motion in ventricular aneurysms and asynergic ventricles

**Richard F. Leighton**, Gerard Drobinski\*, Guy H. Fontaine\*, Robert Frank\* and Yves Grosgeat\*

Problems in health data analysis. The Maryland permanent pacemaker experience, 1979 and 1980

**Leonard Scherlis** and Donald H. Dembo\*

Early diastolic events associated with the physiologic and pathologic S<sub>3</sub>

**James A. Shaver**, P. S. Reddy\*, Roando F. Alvares\*, William H. Gamble\* and Rosemarie Salerni\*

Mechanism of ventricular tachyarrhythmia dependent predominantly on dispersion of recovery of excitability

Chien-Suu Kuo\*, **Borys Surawicz**, Kazuo Munakata\*, C. Pratap Reddy\* and Jan P. Amile\*

Reduction of blood pressure for a prolonged period after stopping propranolol and its effect on the vascular wall of hypertensive turkeys

**W. Jape Taylor** and Charles F. Simpson\*

Inhibition in the human heart  
\*By invitation

Eric N. Prystowsky\* and **Douglas P. Zipes**

**Twenty-Third Annual Meeting of the Association of University Cardiologists**  
**The Sheraton New Orleans, New Orleans, Louisiana**  
**January 26-27, 1984**  
**Officers, 1983-4**

President	A. Calhoun Witham
Vice President	E. William Hancock
Secretary-Treasurer	Nancy C. Flowers
Council Members:	
One year term	Robert C. Schlant, (past president)
Third of a 3-year term	Lawrence Cohen
First of a 3-year term	Robert Adolph
First of a 2-year term	Arnold M. Weissler

**President's Program**

**Thursday, January 26, 1984 - 8:30 AM – 11:30 AM**

Introduction – A. Calhoun Witham, M.D.

The Accreditation of Subspecialty Training Programs  
 Robert A. O'Rourke, M.D.

Requirements of the Subspecialty Board in Cardiology  
 E. William Hancock, M.D.

"What Cardiologists Think Cardiologists Should Be"  
 C. Richard Conti, M.D.

**WHAT EMPHASIS SHOULD BE GIVEN TO DIFFERENT TECHNIQUES?**

The Basic Clinical Skills – Robert C. Schlant, M.D.

Electrocardiography and Electrophysiology – Leonard S. Gettes, M.D.

Catheterization, Arteriography and Angioplasty – J. Michael Criley, M.D.

Echocardiography – Pravin M. Shah, M.D.

Radionuclide Training – Robert J. Adolph, M.D.

Discussion

LUNCH (members on their own)

**Thursday, January 26, 1984 – 1:00 PM, First Scientific Session**

**Introduction of New Members**

Jonathan Abrams, M.D.  
 Anthony N. DeMaria, M.D.  
 William Grossman, M.D.

Mark E. Josephson, M.D.  
 John H. Laragh, M.D.  
 Robert I. Levy, M.D. (Honorary)

The search for a cardiac glycoside with ideal pharmacokinetic properties

**Frank I. Marcus**, Penelope E. Graves\*, Donald Perrier\*, Paul E. Fenster\* and Ron McFarland\*

Salutary effects of a new positive inotropic/vasodilator agent in patients with severe heart failure

**Michael H. Crawford**, Robert A. O'Rourke, David R. Ferry\* and Gemma T. Kennedy\*

Lack of hemodynamic effects of transdermal mitroglycerin discs

**Jonathan Abrams**, Veena Raizada\*, Brigid Gerety\* and Ken Schroeder\*

Systolic pressure-volume relationship and autonomic tone

**G. C. Friesinger**, M. H. Davis\*, M. W. Kronenberg\*, J. P. Uetrecht\* and J. H. Nadeau

Altered diastolic distensibility of ischemic myocardium: Clinical and experimental studies

**William Grossman**, Takashi Serizawa\*, Shin-ichi Momomura\*, Beverly H. Lorell\*, Carl S. Apstein\* and JoAnne Ingwall\*

Intermittent obstruction of the coronary sinus profoundly reduces ischemic necrosis following coronary ligation in dogs

Resolution of intracellular and extracellular sodium and potassium by NMR: Studies of intact hearts

Scintigraphic localization of myocardial necrosis in patients with acute infarction using myosin-specific antibody FAB

**M. L. Weisfeldt**, A. A. Ciuffo\*, A. D. Guerci\*, H. Halperin\*, G. Bulkley\* and A. S. Casales\*

**Thomas W. Smith**, Martin M. Pike\*, Paul D. Allen\*, Joanne S. Ingwall\* and Charles S. Springer\*

Ban An Khaw\*, Herman K. Gold\*, Tsunehiro Yasuda\*, John T. Fallon\*, Robert C. Leinbach\*, H. William Struass\* and **Edgar Haber**

RECEPTION AND DINNER  
Antoine's, 713 St. Louis  
7:00 PM

**Friday, January 27, 1984 – 8:15 AM**

Business meeting  
Second Scientific Session

Election of Officers

Cholesterol and coronary artery disease – The current trials: Where are we now?

**Robert I. Levy** and Lipid Research Clinic Group\*

Diagnosis and management of the hypothyroid patient with chest pain

S. Dhanani\* and **G. Rowe**

Cardiac involvement in Friedreich's ataxia: A prospective study of 71 patients

**Joseph K. Perloff**, Philip M. Bach\*, John S. Child\* and R. A. Pieter Kark\*

Mechanical vibration transmission characteristic of the myocardium: Their implications with regard to auscultation

**Ernest Craige**, Damon Smith\* and Toshiyuki Ishimitsu\*

Role of sinus rhythm mapping in identifying the site of origin

**Mark E. Josephson**, Dennis M. Cassidy\* and Joseph A. Vassallo\*

Demonstration of the mechanism of transient entrainment and interruption of ventricular tachycardia with rapid atrial pacing

**Albert L. Waldo**, Richard W. Henthorn\*, Vance J. Plumb\* and William A. H. MacLean\*

Epicardial mapping of sympathetic and vagal afferent fibers by topical applications of phenol

**Douglas P. Zipes**, Michael J. Barber\*, Becky G. Russell\* and Robert Gill\*

Effect of verapamil on changing  $K^+$ , pH, and activation in the ischemic porcine heart

William F. Fleet\*, Jose F. Lopez\*, Timothy A. Johnson\*, Chris A. Graebner\* and **Leonard S. Gettes**

**Alternates to be presented if time permits:**

Accelerated progression in atherosclerosis if coronary vessels with minimal lesions are bypassed

**David H. Blankenhorn**, W. Linda Cashin\*, Miguel E. Sammarco\* and Sharon A. Nessim\*

Metabolic markers of adult onset diabetes in children?

**G. S. Berenson**, S. R. Srinivasan\*, B. Radhakrishnamurthy\*, E. R. Dalferes, Jr.\* and L. S. Webber\*

**To be read by title:**

Left ventricular dimensions and stress-shortening relations before and after surgical correction of chronic aortic or mitral regurgitation

**William H. Gaasch**, Michael R. Zile\*, John D. Carroll\* and Herbert J. Levine

Mechanism for improved exercise tolerance in hypertrophic cardiomyopathy with "complete" beta-blockade

**Martin J. Frank**, Abdulla M. Abdulla\* and Laurence O. Watkins\*



Determinants of cardiac hypertrophy in the racing greyhound

**Joseph S. Alpert**, Linda A Pape\* and James M. Rippe\*

Carotid vascular atherosclerosis in patients with familial hypercholesterolemia and coronary artery disease  
\*By invitation

**Peter T. Kuo**, John A. Schaaf\*, John W. Perrine\*, John B. Kostis\* and Abel E. Moreyra\*

**Twenty-Fourth Annual Meeting of the Association of University Cardiologists**  
**Arizona Inn, Tucson, Arizona**  
**January 24-25, 1985**  
**Officers, 1984-5**

President	E. William Hancock
Vice President	Nancy C. Flowers
Secretary-Treasurer	James E. Doherty, III
Council Members:	
One year term	A. Calhoun Witham, (past president)
First of a 2-year term	James K. Alexander
Second of a 3-year term	Robert Adolph
Second of a 2-year term	Arnold M. Weissler

**Thursday, January 24, 1985, AM Program - 9:30 AM – 11:30 AM**

E. William Hancock, M.D.

Panel Discussion – The Future of Invasive Cardiology

Invasive Cardiology in the Academic Medical Center	David G. Greene
Invasive Cardiology in Community Practice	J. Ward Kennedy
The Place of Classical Hemodynamics in Today's Invasive Cardiology	Yang Wang
Accreditation and Certification in Invasive Cardiology	Robert L. Frye
Overview – Invasive Cardiology in the Structure of Academic Cardiology Divisions	Donald C. Harrison

**Thursday, January 24, 1985 – 1:00 PM, First Scientific Session**

Cardiorespiratory alterations consequent to endurance exercise during chronic beta-adrenergic blockade with atenolol and propranolol      Jack H. Wilmore\* and **Gordon A. Ewy**

Role of muscle afferents and central command in autonomic adjustments to static exercise: Evidence from direct intraneural recordings in humans      **Allyn L. Mark**, Ronald G. Victor\* and B. Gunnar Wallin\*

Pharmacodynamics and pharmacokinetics of bepridil hydrochloride in patients with normal ventricular function      **Joseph S. Alpert**, Joseph R. Benotti\*, Lawrence Lesko\*, Bonnie H. Weiner\* and Ira S. Ockene\*

Studies on the pathophysiology of silent myocardial ischemia: Effect of naloxone on pain threshold during exercise tests      **Peter F. Cohn**, Raj Patcha\*, Sagoo Singh\*, Stephen C. Vlay\* and George I. Mallis\*

Pericardial function in elasmobranch fishes      **Ralph Shabetai** and Dan Abel\*

Anatomy of the crista supraventricularis: Its importance for understanding right ventricular function, right ventricular infarction and related conditions      **Thomas N. James**

Relation between handgrip and bicycle exercise in patients with congestive heart failure      **Joseph A. Franciosa**, Love Seth\* and Mary M. Wilen\*

The influence of the aortic component of the second heart sound on left ventricular maximum negative dP/dt      **Ernest Craige** and Damon Smith\*

RECEPTION AND DINNER

7:00 PM  
(black tie)

**Friday, January 25, 1984 – 8:00 AM**

Business meeting  
Second Scientific Session

Aortocoronary artery vein-graft disease: Experimental and clinical approach for the understanding of the role of platelets and platelet inhibitors

The effects of  $\alpha_2$ -adrenergic and serotonergic receptor antagonists on cyclic blood flow alterations in stenosed canine coronary arteries

Angiographic, scintigraphic, exercise test and prognostic findings in patients with inferior myocardial infarction with and without right ventricular dysfunction

Effects of reperfusion and metabolic support on left ventricular function in acute myocardial infarction

Sodium currents in single intracellular perfused cardiac purkinje cells

Cellular electrophysiology and arrhythmogenesis during experimental ischemia and reperfusion in isolated cat ventricular myocardium

How do drugs reach their receptors in membranes?

Manifold effects of different class I antiarrhythmic drugs on the  $v_{max}$  and duration of action potential in canine cardiac purkinje and ventricular muscle fibers

**Alternates to be presented if time permits:**

Accelerated progression in atherosclerosis if coronary vessels with minimal lesions are bypassed

Metabolic markers of adult onset diabetes in children?

**To be read by title:**

Prognostic value of exercise tests in patients with stable angina

Atherosclerosis suppression by interferon: Monocyte-macrophage involvement

Anatomic confirmation of clinical cardiovascular risk factors with atherosclerosis and essential hypertensive disease in early life—Bogalusa Heart Study

\*By invitation

Election of Officers

**V. Fuster**

Larry R. Bush\*, William B. Campbell\*, Katherin Kern\*, Gregory D. Tilton\*, Phillip Apprill\*, Juliet Ashton\*, James Schmitz\*, Maximilian Buja\* and **James T. Willerson**

**George A. Beller**, David E. Haines\*, Denny D. Watson\*, Ann A. Cooper\* and Robert S. Gibson\*

**Charles E. Rackley**, Lowell F. Satler\*, Curtis E. Green\*, David L. Pearle\*, Randolph S. Pallas\*, Albert A. Del Negro\* and Kenneth M. Kent\*

**H. A. Fozzard**, I. Friedlander\*, C. T. January\*, J. C. Makielski\* and M. F. Sheets\*

**Robert J. Myerburg**, Shinichi Kimura\*, Patricia L. Kozlovskis\* and Arthur L. Bassett\*

**Arnold M. Katz**, Leo G. Herbet\*<sup>\*</sup>, J. George Sarmiento\*, Frank C. Messineo\* and David Rhodes\*

**Boris Surawicz**, Victor Elharrar\*, Andras Varro\* and Yutaka Nakaya\*

**David H. Blankenhorn**, W. Linda Cashin\*, Miguel E. Sammarco\* and Sharon A. Nessim\*

**G. S. Berenson**, S. R. Srinivasan\*, B. Radhakrishnamurthy\*, E. R. Dalferes, Jr.\*<sup>\*</sup>, and L. S. Webber\*

**Herbert N. Hultgren** and Peter Peduzzi\*

**Peter T. Kuo**, Alan C. Wilson\* and Randee C. Goldstein\*

**G. S. Berenson**, W. P. Newman III\*, P. D. Gard\*, R. E. Tracy\*, J. L. Cresanta\*, D. S. Freedman\* and S. R. Srinivasan\*

**Twenty-Fifth Annual Meeting of the Association of University Cardiologists**  
**Sheraton New Orleans, New Orleans, LA**  
**January 16-17 , 1986**  
**Officers, 1985-6**

President	Nancy C. Flowers
Vice President	J. Michael Criley
Secretary-Treasurer	James E. Doherty, III
Council Members:	
One year term	E. William Hancock, (past president)
Second of a 2-year term	James K. Alexander
Third of a 3-year term	Robert Adolph
Gerald	Berenson

**Thursday, January 16, 1986**  
**President's Program**  
**CRISIS IN ACADEMIC CARDIOLOGY:**

Who will be tomorrow's teachers and investigators?

Introduction of program	Nancy C. Flowers, M.D.
Overview of the Problem	Robert A. O'Rourke, M.D.
Training for Clinical Competence in Academic Cardiology vs. Preparing for Seduction into the Marketplace	William E. Hancock, M.D.
Discussion	

Assurance of Continued Opportunity for Investigation

From: National Heart, Lung and Blood Institute

Donald M. MacCanon, Ph.D.  
 Chief, Research Training &  
 Development Branch  
 Division of Heart and Vascular  
 Diseases

From: Veterans Administration

Mr. David Thomas  
 Chief, Career Development  
 Program  
 Medical Research

From: American Heart Association

Robert A. O'Rourke, M.D.

Discussion

Assurance of Human Commitment to Investigation

Early Identification of Creative Potential—Motivation—Opportunity—Retention Eugene Braunwald, M.D.

Discussion

Summary Statement of Recommendations Arising from Bethesda Conference  
#17 on Cardiology Training

Robert C. Schlant, m.D.

Discussion

**Thursday, January 16, 1986 1:00-5:30 PM**

	Introduction of New Members	
Roman deSanctis	Richard Kerber	Carl Pepine
Gerald Pohost	Carl Strauss	

Moment of silence for recently deceased member, Bruce Sinclair-Smith

First Scientific Session

Two pumps and one heart: Studies and theoretic considerations

**George E. Burch**

Augmentation of cardiac contractile state by thyroid hormone: Effect on Ca homeostasis

**Thomas W. Smith** and Donghee Kim\*

Ventricular asynergy in coronary artery disease characterized by nuclide ventriculography

**A. M. Weissler**, K. Sheikh\*, B. Miller\*, D. Kirch\* and B. Guess\*

DPI 201-106, a novel inotropic agent: Hemodynamic improvement in patients with congestive heart failure

**John B. Kostis**, Clifton R. Lacy\* and John J. Raia\*

The direct relation between myocardial beta reception down regulation, exercise intolerance, and left ventricular dysfunction in dilated cardiomyopathy

Richard S. Engelmeier\*, John B. O'Connell\*, Margaret R. Eisinger\*, Maria Rosa Costanzo-Nordin\*, Patrick J. Scanlon\* and **Rolf M. Gunnar**

Mechanisms in the modification of experimental exercise-induced ischemia

**J. Ross, Jr.**, R. Seitelberger\* and B. D. Guth\*

Clinical feasibility, sensitivity and specificity of positron cardiac imaging without a cyclotron using generator produced Rb-82 for the diagnosis of coronary artery disease

**K. L. Gould**, M. Berridge\*, R. Goldstein\*, L. Bolomey\*, N. Mullani\*, R. Hartz\*, R. Kirkeeide\*, R. Smalling\*, Wai-Hoi Wong\*, F. Fuentes\*, T. Tewson\* and A. Nishikawa\*

Post angioplasty restenosis and vasospasm: Experimental approach for the understanding of the role of platelets and platelet inhibitors

**Valentin Fuster**, James H. Chesebro\*, Jules Y. T. Lam\* and Peter M. Steele\*

Reception and Dinner  
Antoine's, 713 St. Louis  
7:00 PM

**Friday, January 17, 1986, 8:15 AM**

Business meeting  
Second Scientific Session

Election of Officers

Effects of ischemia and anti-ischemia drugs on coronary collateral function in conscious humans

**Carl J. Pepine**

Trends in incidence, in-hospital and long-term mortality of patients with acute MI: The Worcester Heart Attack Study 1975-1981

James E. Dalen, Robert J. Goldberg\*, Joel M. Gore\* and **Joseph S. Alpert**

Measurement of free radical generation in the post-ischemic heart using electron paramagnetic resonance spectroscopy

**Myron L. Weisfeldt**, Jay L. Zweier\* and John T. Flaherty\*

High-frequency epicardial echocardiography for direct evaluation of coronary arterial wall and lumen: Experimental and clinical studies

**Richard E. Kerber**, David D. McPherson\*, Melvin Marcus\* and Loren Hiratzka\*

Cardioneuropathy, cardiomyopathy and coronary disease in Friedreich's ataxia

**Thomas N. James**

Atrial activation during experimental rapid atrial flutter and its correlation with polarity of the flutter wave in the ECG

Ken Okumura\*, Vance J. Plumb\* and **Albert J. Waldo**

Reconstitution of a highly conductive K channel from canine ventricular sarcolemma

**Harold C. Strauss**, Joseph A. Hill, Jr.\* and Roberto Coronado\*

Closed chest catheter desiccation of myocardial tissue using radio-frequency energy – a new method of ablation

Shoei K. Huang\*, Robert H. Hoyt\*, Saroja Bharati\*, Anna R. Graham\*, Roger C. Odell\*, Louis Lampe\* and **Frank I. Marcus**

**Alternate to be presented if time permits:**

Antibody targeted fibrinolysis

\*By invitation

**Edgar Haber**, Christoph Bode\* and Gary Matsueda\*

**Twenty-Sixth Annual Meeting of the Association of University Cardiologists**  
**Quail Lodge, Carmel, California**  
**January 22-23, 1987**  
**Officers, 1986-7**

President	J. Michael Criley
Vice President	Robert J. Adolph
Secretary-Treasurer	James E. Doherty, III
Council Members:	
One year term	Nancy C. Flowers, (past president)
	Gerald S. Berenson
	Rolf M. Gunnar
James	Shaver

**Thursday, January 22, 1987, 10:00 AM – President's Program**  
GEORGE BURCH MEMORIAL LECTURE

"Sick individuals and sick populations"	Henry Blackburn, M.D. Professor of Medicine University of Minnesota Minneapolis, Minnesota
---	---

**Thursday, January 22, 1987 – 1:00 PM**

	Introduction of New Members	
Alan Fogelman	Bruce Brundage	Robert Roberts
Ross Cobb	Jay Mason	Robert Bache

Moment of silence in honor of George Burch

First Scientific Session

Doppler velocity profile and color flow imaging patterns of left ventricular outflow in hypertrophic obstructive cardiomyopathy (HOCM)	S. Sadanadan, G. Vigayaraghaven and <b><u>P. M. Shah</u></b>
--	--

High prevalence of calcific aortic stenosis in osteitis deformans	<b><u>Herbert N. Hultgren</u></b> , Lawrence B. Ellis, and Masao Nitta*
---	---

Regional myocardial blood flow and metabolism at rest and during exercise in hypertrophic cardiomyopathy (HCM)	M. Grover-McKay, M. Schwaiger, <b><u>J. K. Perloff</u></b> , J. Krivokapich, M. E. Phelps and H. R. Schelbert
--	---

Neural interactions of atrial natriuretic peptides: "A contributory factor in decreased responsiveness to atrial peptides in edematous states?"	<b><u>Allyn L. Mark</u></b> , Donald A. Morgan*, Peter Thorne*, T. P. O'Neill*, Michael J. Brody*, John P. Koepke* and Gerald F. DiBona*
---	--

Acute coronary syndromes: The role of rheology and substrate	<b><u>Valentin Fuster</u></b> , Lina Badimon, Juan J. Badimon, Vincent Turitto and Philip C. Adams
--	--

Late angiographic re-evaluation after reperfusion therapy for acute myocardial infarction	<b><u>Charles E. Rackley</u></b> , Lowell F. Satler*, Curgis E. Green* and James P. Pavele*
---	---

Exercise-enhanced risk factors for coronary heart disease versus age as criteria for mandatory retirement of asymptomatic healthy men	<b><u>Robert A. Bruce</u></b> and Lloyd D. Fisher
---	---

A case-control study of association between cardiovascular risk factors and coronary atherosclerosis	<b><u>J. M. Sullivan</u></b> , G. F. Lemp, R. Vander Zwagg, J. P. Hughes, V. Maddock, K. B. Ramanathan, d. M. Mirvis and F. W. Kroetz
--	---

RECEPTION AND DINNER (black tie)  
Monterey Bay Aquarium

**Friday, January 23, 1987 – 8:15 AM**

Business meeting  
Second Scientific Session

Modified abdominogular reflux

Using endogenous tissue plasminogen activator (tPA) in thrombolysis

Non-invasive detection of coronary reperfusion and estimation of myocardial injury occurring despite reperfusion

Vasoactive effects of serotonin on proximal coronary arteries in awake dogs

Are nonobstructive intracavitary pressure gradients in hyperdynamic ventricles fact or artifact?

Intracellular calcium concentration in single cardiac myocytes: The effects of beta adrenergic stimulation depend upon the level of membrane depolarization

Spontaneous sinus cycle length may not indicate autonomic tone to the heart

An attempt to duplicate the artery wall in vitro

**To be read by title only:**

Mechanism of the dicrotic pulse

Factors affecting vulnerability to cardiac fibrillation

\*By invitation

Election of Officers

**Gordon A. Ewy**

**Edgar Haber**, Christoph Bode, Marschall S. Runge and Gary R. Matsueda

**Frances J. Klocke**, Avery K. Ellis\*, Thomas Little\* and Bruce R. Saran\*

**Frederick R. Cobb** and Alan Chu

**John Michael Criley**, Robert J. Siegel\*, Peter Ellis\*, Peter C. D. Pelikan\* and Gerald Jaurer\*

Daniel J. Williford, Shey-Shing Shue and **William B. Hood, Jr.**

**Douglas P. Zipes** and Hiroshi Inoue

M. Navab, G. P. Hough, **A. M. Fogelman**, J. A. Berliner, M. E. Haberland and P. A. Edwards

**Ernest Craige** and Damon Smith\*

**J. A. Abildskov** and Bruce M. Steinhaus\*



**Twenty-Seventh Annual Meeting of the Association of University Cardiologists**  
**The New Orleans Hilton**  
**Riverside and Towers**  
**New Orleans, Louisiana**  
**January 21-22, 1988**  
**Officers, 1987-8**

President	Robert J. Adolph
Vice President	James E. Doherty, III
Secretary-Treasurer	Lawrence S. Cohen
Council Members:	
One year term	J. Michael Criley, (past president)
	Gerald S. Berenson
	Rolf M. Gunnar
	Shaver

James

**Thursday, January 21, 1988 – 1:00 PM**

**INTRODUCTION OF NEW MEMBERS**

Joel Karliner  
Martin LeWinter

Carl Leier  
Richard Popp

James Liedtke  
Hugh Smith

2<sup>nd</sup> George Burch Memorial Lecture  
Future Directions for NMR Imaging and Spectroscopy  
Dr. Paul A. Bottomley  
Director of Research for General Electric

**First Scientific Session**

Regional blood flow responses to pharmacologic intervention in human heart failure

**Carl V. Leier**

Modulation of beta-adrenergic signal transduction by an alpha-receptor acting *via* a guanine nucleotide regulatory protein

**Joel S. Karliner**, Sondra Barrett and Norman Honbo

Local platelet activation causes vasoconstriction of large epicardial canine coronary arteries *in vivo*

**James T. Willerson** and Paolo Golino

Left ventricular hypertrophy: Mechanics and tolerance to ischemia

**W. H. Gaasch**, M. R. Zile and P. K. Hoshino

How much does the pericardium normally influence filling of the heart?

**Martin M. LeWinter**, Bryan K. Slinker and Yoichi Goto

Differentiation of constrictive pericarditis from restrictive cardiomyopathy by Doppler ultrasound

**Richard L. Popp**, Christopher Appleton and Liv Hatle

Balloon valvuloplasty for aortic and mitral stenosis in adults

**William Grossman**, Robert D. Safian, Daniel J. Diver, Aaron Berman, Michael J. Cunningham and Raymond G. McKay

Improvement in treadmill performance and in rest and exercise hemodynamics 3 months after mitral catheter balloon valvuloplasty

Charles McKay, David Kawanishi, Adam Kotlewski, Armando Gonzalez, Karen Parise and **Shahbudin H. Rahimtoola**

RECEPTION AND DINNER (black tie)  
Antoiness

**Friday, January 22, 1988 – 8:15 AM**

Business meeting  
Second Scientific Session

Election of Officers

Effect of estrogen replacement and coronary artery disease on survival in postmenopausal women

**J. M. Sullivan**, R. VanderZwaag, J. P. Hughes, F. H. Kroetz, K. B. Ramanathan, E. C. Schick and D. M. Mirvis

Holter-detected ischemic ST changes predict mortality in high-risk post-infarction patients

Sidney O. Gottlieb, Sheldon H. Gottlieb, Stephen C. Achuff, E. David Millits, **Myron L. Weisfeldt** and Gary Gerstenblith

Substrate preference and oxidation in reperfused, stunned myocardium

**A. James Liedtke**, Luc Demaison, Stephen H. Nellis, Alice Eggleston and Larry M. Cohen

A weighted ventriculographic wall motion score for improved survival prediction in patients with coronary artery disease

Robert S. Schwartz, Duane M. Ilstrup, Ronald E. Vlietstra and **Hugh C. Smith**

Left ventricular dysfunction during ambulatory radionuclide monitoring following thrombolysis: A potential predictor of cardiac morbidity

**Barry L. Zaret**, David S. Kayden, Frans J. Wackers and Charles K. Francis

Acute myocardial infarction associated with single vessel coronary artery disease: An analysis of clinical outcome and the prognostic importance of vessel patency and residual ischemic myocardium

**George A. Beller**, William W. Wilson and Robert S. Gibson

Clinical cardiac positron imaging

**K. Lance Gould**

The evaluation of coronary artery disease by ultrafast computed tomography

**Bruce H. Brundage**, Eva V. Chomka, Christopher Wolfkiel and Eulalia Roig

**To be read by title only:**

Racial (black-white) differences of serum lipoprotein components in children help explain the preponderance of coronary artery disease in white male adults

**Gerald S. Berenson**, S. R. Srinivasan and L. S. Webber

The coefficient of ventricular synergy augments ejection fraction as a mortality risk determinant following myocardial infarction

**A. M. Weissler**, T. D. Henry, K. H. Sheikh, B. I. Miller, D. L. Kirch, W. Guess and C. B. Granger

Ventricular ectopic activity and mortality in survivors of myocardial infarction: Observations from the largest data base

**John B. Kostis** for the BHAT Study Group

**Twenty-Eighth Annual Meeting of the Association of University Cardiologists**  
**Quail Lodge, Carmel, California**  
**January 19-20, 1989**  
**Officers, 1988-89**

President	James E. Doherty
Vice President	Rolf M. Gunnar
Secretary-Treasurer	Lawrence S. Cohen
Council Members:	
One year term	Robert J. Adolph, (past president)
	Herbert J. Levine
	n Mark
Ally	Shaver
James	

**Thursday, January 19, 1989 – 9:00 AM**

Symposium: "Issues Concerning Academic Divisions of Cardiology: What is the Role of the AUC?"  
Chairman Leonard S. Gettes, University of North Carolina

Speakers

James Dalen, University of Arizona  
Marvin Dunn, University of Kansas  
Ted Harris, Stanford University  
Richard Root, UCSF  
Barry Zaret, Yale University

The 3<sup>rd</sup> George Burch Memorial Lecture  
Delivered by:

Dr. Dennis Krickler, Hammersmith Hospital, London, England

**Thursday, January 19, 1989 – 1:00 PM**

Introduction of New Members

Carl Apstein  
Allan M. Ross

George Cooper, IV  
Robert A. Vogel

First Scientific Session

Coronary artery remodeling: An important compensatory mechanism in obstructive coronary atherosclerosis

**Richard E. Kerber**, David D. McPherson, Melvin L. Marcus, University of Iowa, Iowa City, IA

Molecular interactions of adult human artery wall cells

Mahamad Navab, Feng Liao, Tripathi Rajavashisth, Aldons J. Lusis, Judith A. Berliner, Mary C. Terito (by invitation) and **Alan. M. Fogelman**, University of California, Los Angeles, CA

Age related risk factors and mechanism of death following myocardial infarction. Experience from the multicenter diltiazem postinfarction trial

**Frank I. Marcus**, Karen Friday, John Mc Cans, Thomas E. Moon, Elizabeth Hahn, **Leonard Cobb**, Jesse Edwards, Lewis Kuller, University of Arizona Health Sciences Center, Tucson, AZ

A comparison of human and elasmobranch pericardial function

**Ralph Shabetai**, Jeffrey Graham, Ngai Chin Lai, Valmik Bhargava, University of California San Diego, Medical Service at La Jolla V. A. Medical Center and Physiological Research Laboratory, Scripps Institution of Oceanography, San Diego

Facioscapulohumeral (FHS) muscular dystrophy: A unique inherited electrical disease of atrial myocardium

**Joseph K. Perloff**, William G. Stevenson, James N. Weiss, University of California, Los Angeles, CA

Contrasting effects of high altitude exposure on left ventricular function in normal subjects and men with coronary heart disease

**J. K. Alexander**, E. G. Abinader, R. F. Grover, D. S. Sharif, B. Morgan, H. L. Brammell (by invitation), Baylor College of Medicine, Houston, TX

Left ventricular hypertrophy: Effect on survival

**J. M. Sullivan**, R. Vandeer Zwaag, F. El-Zeky, K. B. Ramanathan, V. Maddock, F. H. Kroetz, D. M. Mirvis (by invitation), Baptist Memorial Hospital and Univ. of Tennessee, Memphis, TN

Load induction of cardiac hypertrophy

**George Cooper, IV**, R. L. Kent (by invitation), D. L. Mann (by invitation), VA Medical Center and the Gazes Cardiac Research Institute, Medical University of South Carolina

RECEPTION AND DINNER (black tie)  
The Monterey Aquarium

**Friday, January 20, 1989 – 9:00 AM**

Business meeting

Second Scientific Session

Clinically silent cardiac abnormalities in patients with human immunodeficiency virus infection

Election of Officers

**Allan M. Ross**, Warren S. Levy, G. L. Simon, J. C. Rios, George Washington University, Washington, DC

Disparity between improvement in left ventricular function and changes in clinical status and exercise capacity during chronic inotropic therapy

**Carl V. Leier**, P. F. Brinkley, R. C. Starling, Ohio State Univ., Columbus, OH

Contrasting effects of verapamil and propranolol on the ischemia threshold-separation of ionic and contractile events

**Leonard S. Gettes**, M. G. Jenkins, T. Johnson, C. L. Engle, University of North Carolina, Chapel Hill, NC

Impaired prostacyclin receptor activity of platelets in acute myocardial ischemia in man. Improvement by insulin

Asru K. Sinha, Nighat K. Kahn, Jackie Pawlak, **Hiltrud S. Mueller**, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY

Spontaneous sinus node rate as an estimate of cardiac autonomic tone during stable and unstable ventricular tachycardia in man

H. V. Huikuri (by invitation), M. Cox (by invitation), A. Castellanos (by invitation), K. M. Kessler (by invitation), **Robert J. Myerburg**, University of Miami Medical Center, Miami, FL

Dynamic interplay between ventriculographic, arteriographic and surface potential variables

**Leo G. Horan**, M. R. Sridharan (by invitation), H. A. W. Killam (by invitation), **Nancy C. Flowers**, V. A. Medical Center and Medical College of Georgia, Atlanta, GA

The epinephrine hypothesis in hypertension: Neural aftereffects of epinephrine

**Allyn L. Mark**, G. M. Grassi, R. F. Rea, V. K. Somers (by invitation), Francois M. Abboud, University of Iowa College of Medicine and VAMC, Iowa City, IA

**To be read by title:**

The Toledo exercise and diet study: Benefits of participation and nonparticipation

**Richard F. Leighton**, F. J. Repka, T. J. Birk, M.E. Walsh, D. J. Lynch, A. F. Gohara, P. M. Brewster, M. T. Weaver (by invitation), Medical College of Ohio, Toledo, OH

Measurement of end-tidal carbon dioxide during cardiopulmonary resuscitation: A predictor of resuscitation outcome

**Gordon A. Ewy**, A. B. Sanders, K. B. Kern, C. W. Otto, M. M. Milander (by invitation), University of Arizona College of Medicine, Tucson, AZ

Treatment of type III hyperlipoproteinemia with gemfibrozil to retard progression of coronary artery disease

**Peter T. Kuo**, J. B. Kostis, A. E. Moreyra, H. T. Dodge (by invitation), UMDNJ-Robert Wood Johnson University Medical School and Baylor College of Medicine, Houston, TX

**Twenty-Ninth Annual Meeting of the Association of University Cardiologists**  
**The New Orleans Hilton, New Orleans, Louisiana**  
**January 18-19, 1990**  
**Officers, 1989-90**

President	Rolf M. Gunnar
Vice President	Frank I. Marcus
Secretary-Treasurer	Lawrence S. Cohen
Council Members:	
One year term	James E. Doherty, (past president)
	Herbert J. Levine
	Allyn L. Mark
	Marvin I. Dunn

**Thursday, January 18, 1990 – 9:00 AM**

	“Symposium: Regression of Atherosclerosis”
Introduction	David H. Blankenhorn
Regression in Non-Human Primates	Mark I. Armstrong
Regression in Early Lesions, New Lesion Suppression	David H. Blankenhorn
The Role of Platelets and HDL	Valentin C. Fuster
Factors Producing Heterogeneous Lesion Response	Donald M. Small

The 4<sup>th</sup> George Burch Memorial Lecture  
**Inhibitory Regulation of Cardiac Function: Vagus and Adenosine**  
 Dr. August Watanabe, Indiana University, Indianapolis, Indiana

**Thursday, January 18, 1990 – 1:00 PM**

	Introduction of New Members
Charles Curry	Michel Mirowski
J. Ward Kennedy	William C. Roberts
Hermes Kontos	Mark Thames
Michael Lesch	David Williams
First Scientific Session	
Effects of hyperinsulinemia and hypoglycemia on sympathoadrenal activity	<u><b>Allyn L. Mark</b></u> and Donald A. Morgan, University of Iowa College of Medicine and VAMC, Iowa City, IA
Protective effect of high glucose and insulin on myocardial systolic and diastolic function and coronary resistance during prolonged severe low-flow ischemia in isolated blood-perfused rabbit hearts	<u><b>Carl S. Apstein</b></u> and Franz R. Eberli (by invitation), Cardiac Muscle Research Laboratory, Boston University School of Medicine; and the Cardiology Section Boston City Hospital, Boston, MA
Oxygen radicals in cerebral ischemia	<u><b>H. A. Kontos</b></u> and (by invitation) E. P. Wei and J. T. Povlishock. Medical College of Virginia, Richmond, VA
Distensibility of small pulmonary vessels	<u><b>Charles L. Curry</b></u> , Prafulla P. Mehrotra, Dali Patel, B. Coleman, R. Tearney and L. Cothran, Howard University, Washington, D.C.
Decreased distal arterial distensibility as a marker for the vascular abnormality of hypertension, heart failure and aging	<u><b>Jay N. Cohn</b></u> , Stanely Finkelstein (by invitation), Gary McVeigh (by invitation), Kenneth McDonald (by invitation), Peter Carlyle (by invitation), University of Minnesota Medical School, Minneapolis, MN
Allometric determinants of the optimum heart rate of large failing hearts	<u><b>Herbert J. Levine</b></u> , Tufts-New England Medical Center, Boston, MA

A new dosage regimen of IV t-PA for acute myocardial infarction designed for pre-hospital use

**David O. Williams**, George R. McKendall, Mary Jane McDonald, Barry Sharaf, Thomas M. Drew, Edward S. Thomas, Michael Attubato and Federick Feit, Rhode Island Hospital, Brown University, Providence, RI, and Bellevue Hospital, New York University, New York, NY

The effect of left bundle branch block (LBBB) on the events of the cardiac cycle

**James A. Shaver**, Peter S. Rahko (by invitation), Harisios Boudoulas (by invitation) and Charles F. Wooley (by invitation)

RECEPTION AND DINNER (black tie)  
Antoiness

**Friday, January 19, 1990 – 8:15 AM**

Business meeting  
Second Scientific Session

Election of Officers

Initial experience of the National Registry of Elective Supported Angioplasty

**Robert A. Vogel**, University of Maryland Hospital, Baltimore, MD, for the Registry Participants

Quantitation of risk area during coronary occlusion and assessment of myocardial viability during reperfusion utilizing  $^{99m}\text{Tc}$  methoxy isobutyl isonitrile (MIBI)

**George A. Beller**, Albert J. Sinusas (by invitation) and Denny D. Watson (by invitation)

The Western Washington Myocardial Infarction Registry and Emergency Room Tissue Plasminogen Activator Treatment Trial

Ralph Althouse, Charles Maynard, Manuel D. Cerqueira, Michele Olsufka, James L. Ritchie, **J. Ward Kennedy**, Division of Cardiology and Nuclear Medicine, University of Washington School of Medicine and Seattle Veterans' Administration Medical Center, Seattle, WA

Direct measurement of changes in intracellular calcium transients during hypoxia, ischemia, and reperfusion of the intact mammalian heart

**William Grossman**, and Yasuki Kihara (by invitation) and James P. Morgan, Harvard-Thorndike Laboratory, Beth Israel Hospital and Harvard Medical School, Boston, MA

Arnsdorf's paradox

**Morton F. Arnsdorf**, The University of Chicago, Chicago, IL

Mechanism of interruption of atrial flutter by moricizine: Multiplexing studies in the canine pericarditis atrial flutter model

Akira Nozaki, Arkhiko Shimizu, Cecil W. Thomas, Yoram Rudy and **Albert L. Waldo**, Case Western Reserve University/University Hospitals of Cleveland, Cleveland, OH

Pericardial prostaglandin biosynthesis modulates sympathetic efferent activity and suppresses ventricular fibrillation

**Douglas P. Zipes**, Toshihisa Miyazaki, Indiana University School of Medicine, Krannert Inst. of Cardiology, Indianapolis, IN, and Keio University School of Medicine, Tokyo, Japan

**To be read by title:**

In support of the cholesterol myth

**G. S. Berenson**, (by invitation S. R. Srinivasan, B. Radhakrishnamurthy and L. S. Webber)

Coronary vasoconstriction induced by mental stress

Clifton R. Lacy (by invitation) and **John B. Kostis**, UMDNJ-Robert Wood Johnson Medical School, New Brunswick, NJ

Predictors of stunning in intact pig hearts

Alice M. Eggleston, Hakki Bolukoglu, Stephen H. Nellis (by invitation), **A. James Liedtke**, University of Wisconsin, Madison, WI

Effect of coronary venous pressure on ventricular diastolic distensibility

**William Grossman** and (by invitation) Jun Watanabe, Marc J. Levine and Fabio Bellotto, Harvard-Thorndike Laboratory, Beth Israel Hospital and Harvard Medical School, Boston, MA

Low dose anticoagulation in mechanical prosthetic heart valves

**Joseph S. Alpert**, Robert Goldberg, Linda Pape, Sarah Cheeseman, University of Massachusetts Medical Center (UMMC), Worcester, MA

**Thirtieth Annual Meeting of the Association of University Cardiologists**  
**Quail Lodge**  
**Carmel Valley, California**  
**January 16-18, 1991**  
**Officers, 1990-91**

President	Frank I. Marcus
Vice President	Lawrence S. Cohen
Secretary-Treasurer	Allyn L. Mark
Council Members:	
One year term	Rolf M. Gunnar, (past president)
	Marvin I. Dunn
	Richard P. Lewis
	Thomas W. Smith

**Wednesday, January 16, 1991 – 7:00 – 9:00 PM**

Informal reception in the Main Dining Room, Quail Lodge Resort and Golf Club

**Thursday, January 17, 1991 – 9:00 AM**

Molecular Biology for Cardiologists: an Endocrinologist's View	Daryl Granner, Professor and Chairman, Department of Molecular Physiology and Biophysics, Vanderbilt University, Nashville, TN
--	--

Memorial Tributes	James Warren by Richare Lewis Michel Mirowski by Myron Weisfeldt
-------------------	---

The 5<sup>th</sup> George Burch Memorial Lecture

**Endothelium-Derived Vasoactive Factors in Cardiovascular Disease**

Paul M. Vanhoutte, Director, Center for Experimental Therapeutics, Baylor College of Medicine, Houston, TX

**Thursday, January 17, 1991 – 1:00 PM**

Introduction of New Members

Wayne Alexander	Alfred Parisi
Bernard Chaitman	Rose Marie Robertson
James Chesebro	Gary Stiles
John Fisher	Marc Thames
William Little	August Watanabe
David McCall	

First Scientific Session

Differential impairment of large and small vessel function in congestive heart failure – The role of endothelium

**Robert Zelis**, and (by invitation) Helmut Drexler, Daniel Hayoz, Thomas Munzel, Burkhardt Hornig, Andreas M. Zeiher, Hanjorg Just, Hans R. Brunner, University of Freiburg, Freiburg, Germany; University Hospital, Lausanne, Switzerland, and Pennsylvania State University, Hershey, PA

Hypertrophy precedes dilatation after localized myocardial damage: Possible hormonal mediation

**Jay N. Cohn**, and (by invitation) Kenneth McDonald, Gary S. Francis, David Hunter, University of Minnesota Medical School, Minneapolis, MN

Atriopeptin influences performance, Ca exchange and cyclic nucleotides of ventricular myocytes *via* G protein signaling: Questionable implications for the failing myocardium

**David McCall**, University of Texas Health Science Center, San Antonio, TX

Autonomic dysfunction: Therapy guided by taxonomy

**Rose Marie Robertson**, and (by invitation), Italo Biaggioni, Rogelio Mosqueda-Garcia, T. J. Killian, L. Jackson Roberts II, David Robertson, Divisions of Cardiology and Clinical Pharmacology, Vanderbilt University Medical Center, Nashville, TN



Adenosine receptors: Structure, function and regulation

**Gary L. Stiles**, Department of Medicine and Biochemistry, Duke University Medical Center, Durham, NC

Assessment of left ventricular energetics using the VO<sub>2</sub>-PVA framework

**Martin M. LeWinter**, and (by invitation) Bryan K. Slinker, Yoichi Goto, Mathew Watkins, Cardiology Unit, University of Vermont, Medical Center Hospital of Vermont, Burlington, VT

Left ventricular-arterial coupling in conscious dogs

**William C. Little**, and (by invitation) Che-Ping Cheng, Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, NC

Effect of coronary venous pressure on ventricular diastolic distensibility

**William Grossman**, and (by invitation) Jun Watanabe, Marc J. Levin, and Fabio Bellotto, Harvard-Thorndike Laboratory, Beth Israel Hospital and Harvard Medical School, Boston, MA

RECEPTION AND DINNER (black tie)  
Monterey Aquarium

**Friday, January 18, 1991 – 8:15 AM**

Business meeting

Election of officers

Second scientific session

Angiotensin II receptors

**R. Wayne Alexander**, Cardiology Division, Emory University, Atlanta, GA

Serum and tissue magnesium concentrations in mild to moderate congestive heart failure

**Carl V. Leier**, Ohio State University, Columbus, OH

Activation of cardiac sympathetic afferents during transmural myocardial ischemia in dogs

**Marc D. Thames**, and (by invitation) H. A. Minisi, and M. E. Dibner-Dunlap, Department of Internal Medicine, University Hospitals of Cleveland, VAMC Cleveland and Case Western Reserve University, Cleveland, OH

Exercise electrocardiographic analysis and application in large scale multicenter clinical trials

**Bernard R. Chaitman**, and (by invitation) Feng Liao, Judith A. Berliner, Margarete Mehrabian, Mahamad Navag, Linda L. Demer, Aldons J. Lusis, University of California at Los Angeles, Los Angeles, CA

DC shock ablation: Assessment of proarrhythmic effects in humans

**John D. Fisher**, and (by invitation) Gale M. Seavin, James A. Roth, Kevin J. Ferrick, Soo G. Kim, Debra R. Johnson, Henry R. Williams, and Rosemary Frame, Montefiore Medical Center, Bronx, NY

Out-of-hospital ventricular fibrillation 1970-1990: Fewer victims and extended longevity in survivors

**Leonard A. Cobb**, and (by invitation) W. Douglas Weaver, Carol E. Fahrenbruch, Alfred P. Hallstrom, Michael K. Copass, University of Washington and Harborview Medical Center, Seattle, WA

**To be read by title only:**

The deadly quartet – Begins in childhood

**Gerald S. Berenson**, and (by invitation) Sathanur R. Srinivasan, National Center for Cardiovascular Health LSU Medical Center, New Orleans, LA

Elevated blood cholesterol and coronary heart disease – A population approach

**Richard A. Carleton**, Chairman, Population-Based Panel, National Cholesterol Education Program, Professor of Medicine, Brown University

Effects of endogenous nitric oxide on basal tone and endothelium-dependent responses of epicardial and resistance coronary arteries in awake dogs

**Frederick R. Cobb**, and (by invitation) David E. Chambers, Chang-Chyi Lin, William D. Kuehl, Richard M. J. Palmer, Salvador Moncada and Alan Chu, Duke and VA MC, Durham, NC, USA & Wellcome Res Lab, Beckenham, England

The VA ACME Trial – current status

**Alfred F. Parisi**, and (by invitation) Edward D. Folland and Pamela Hartigan, for the FA ACME Study Group

HDL cholesterol promotes normal endothelial function and coronary artery vasoreactivity

**Charles E. Rackley**, and (by invitation) Frederick E. Kuhn, Emile R. Mohler, Lowell F. Satler, Kathleen Reagan and David Y. Lu, Georgetown University Hospital, Washington, DC

**Thirty-First Annual Meeting of the Association of University Cardiologists  
New Orleans Hilton Riverside and Towers  
New Orleans, Louisiana  
January 16-17, 1992  
Officers, 1991-2**

President	Lawrence S. Cohen
Vice President	Thomas W. Smith
Secretary-Treasurer	Allyn L. Mark
Council Members:	
One year term	Frank I. Marcus, (past president)
	Marvin I. Dunn
	Richard P. Lewis
	Jay N. Cohn

**Wednesday, January 15, 1992 – 7:00 – 9:00 PM**

Informal reception in the Marlborough B Room, New Orleans Hilton Riverside and Towers

**Thursday, January 16, 1992 – 9:00 AM**

The Daedalus Project: Lessons Learned from Human-Powered Flight Research

Ethan R. Nadel, Professor of Epidemiology and Cellular and Molecular Physiology, Director of the Pierce Foundation Laboratory, Yale University, New Haven, CT

Space Lab Life Sciences 1: Lessons Learned from Rocket Powered Flight Research

Drew Gaffney, Associate Professor of Medicine, Division of Cardiology, University of Texas Southwestern Medical School, Dallas, TX

Memorial Tribute

Paul Yu by William B. Hood, Jr.

The 6<sup>th</sup> George Burch Memorial Lecture

**The Role of Growth Factors in Cardiovascular Development**

Judith Swain, Herbert C. Rorer Professor of Medicine and Sciences, Cardiology Section, University of Pennsylvania School of Medicine, Philadelphia, PA

**Thursday, January 16, 1992 – 1:00 PM**

Introduction of New Members

Michael R. Bristow  
Paul J. Cannon  
John P. DiMarco  
Victor Dzau  
Stephen E. Epstein  
R. Sanders Williams

David P. Faxon  
David R. Hathaway  
Milton Packer  
James Scheuer (re-elect)  
Richard A. Walsh

First Scientific Session

Does specific thrombin inhibition in vivo affect thrombin generation? Implications for treatment of arterial thrombosis

**James H. Chesebro**, Pierre Zoldhelyi (by invitation), Whyte G. Owen (by invitation), Mayo Clinic, Rochester, MN

A strategy for employing antisense oligodeoxynucleotides (ODNs) to inhibit smooth muscle cell proliferation; cloning sequencing some relevant genes and preliminary results of antisense ODNs targeted to c-myc and PCNA

**S. E. Epstein**, and (by invitation) E. Speir, E. Brinkmann, S. Biro, Y. M. Fu, Z. X. Yu, National Institutes of Health, Bethesda, MD

Antiproliferative agents in the prevention of restenosis: Insights from experimental studies

**David P. Faxon**, Christian Haudenschild (by invitation), Jesse W. Currier (by invitation), Seth Bilizarian (by invitation), **Thomas J. Ryan**, University Hospital, Boston, MA

The VA ACME Study: Initial clinical outcomes and angiographic findings

**Alfred F. Parisi**, and (by invitation) Edward D. Folland, Pamela Hartigan, Cardiology Division, Brown University, The Miriam Hospital, Providence, RI

Association between AV nodal re-entrant tachycardia and atrial flutter: The shared pathway hypothesis

Alberto Interian, Jr., Marilyn M. Cos, Agustin Castellanos (by invitation), and **Robert J. Myerburg**, Division of Cardiology, University of Miami School of Medicine, Miami, FL

Caldesmon: A phosphoprotein in vascular smooth muscle involved in tone modulation

**David R. Hathaway**, Krannert Institute of Cardiology, Indiana University School of Medicine, Indianapolis, IN

Altered gene expression for constituents in the beta receptor pathway in the failing human heart

**Michael R. Bristow**, and (by invitation) Matthew Movsesian, Arthur M. Feldman, Division of Cardiology, University of Colorado Health Sciences Center, Denver, CO

Physiologic importance of changes in the components of the beta-adrenergic pathway in the early and late stages of human heart failure

**Milton Packer**, and (by invitation) Evelyn M. Horn, John P. Bilezikian. Mount Sinai School of Medicine and Columbia University, New York, NY

RECEPTOR AND DINNER (black tie)  
Antoine's

**Friday, January 17, 1992 – 8:00 AM**

Business meeting

Election of officers

Second scientific session

Mechanism of thickening of the wall of the left ventricle

**Myron L. Weisfeldt**, Edward P. Shapiro (by invitation), Frank E. Rademakers (by invitation), Grover M. Hutchins (by invitation), James L. Weiss (by invitation), William H. Guler (by invitation), Walter J. Rogers (by invitation), Johns Hopkins Medical Institution, Baltimore, MD

Modification of cardiac atrophy in the heterotopic heart transplant model

**James Scheuer**, and (by invitation) David Geenen, Peter Buttrick and Ashwani Malhotra, Albert Einstein College of Medicine, Bronx, NY

Genetic mechanisms that determine the oxidative capacity of cardiac and skeletal muscle: Transcriptional regulatory elements of the human myoglobin gene

**R. Sanders Williams**, The University of Texas Southwestern Medical School, Dallas, TX

Cardiac myosin heavy- and light-chain gene expression in pressure-overload hypertrophy: Cardiac biochemical and mechanical relations

**Richard A. Walsh**, University of Cincinnati, Cincinnati, OH

Cytoskeletal role in the contractile dysfunction of hypertrophied myocardium

**George Cooper, IV**, and (by invitation) Hiroyuki Tsutsui, Cardiology Division of the Department of Medicine and the Department of Physiology, Gaze Cardiac Research Institute, VA Medical Center and the Medical University of South Carolina, Charleston, SC

Vasoreactivity of coronary atherosclerosis: Response to nitroglycerin assessed by intravascular ultrasound

**Anthony N. DeMaria**, and (by invitation) Steven Nissen, Masakazu Yamagishi, John Gurley, David Booth, University of Kentucky Medical Center, Lexington, KY

Cloning of the vascular angiotensin II receptor

**R. Wayne Alexander**, Cardiology Division, Department of Medicine, Emory University, Atlanta, GA

**Thirty-second Annual Meeting of the Association of University Cardiologists**  
**The Registry Resort**  
**Naples, Florida**  
**January 13-15, 1993**  
**Officers, 1992-3**

President	Thomas W. Smith
Vice President	Robert J. Myerburg
Secretary-Treasurer	Allyn L. Mark
Council Members:	
One year term	Lawrence Cohen, (past president)
	Richard P. Lewis
	Valentin C. Fuster
	Jay N. Cohn

**Wednesday, January 13, 1993 – 7:00 – 9:00 PM**

Informal reception in the Crystal Ballroom, The Registry Resort

**Thursday, January 14, 1993 – 8:30 AM**

Using Chaos Theory to Control Arrhythmias	James Weiss, M.D., Professor of Medicine, University of California, Los Angeles School of Medicine, Center for Health Science, Division of Cardiology, Los Angeles, CA
---	--

Vascular Endothelium in Health and Disease	Michael A. Gimbrone, Jr., M.D., Professor and Director, Vascular Research Division, Department of Pathology, Brigham and Women's Hospital, Boston, MA
--	---

The 7<sup>th</sup> George Burch Memorial Lecture

**Cardiology: The View from the Country**

Michael LaCombe, M.D., Oxford Hills Internal Medicine Group, Norway, Maine

PRESIDENT'S LECTURE

**Cardiac Regulatory Pathways: Sarcomeres to Cytokines**

Thomas W. Smith, M.D., Chief, Cardiovascular Division, Professor of Medicine, Harvard Medical School, Brigham and Women's Hospital, Boston, MA

**Thursday, January 14, 1993 – 1:00 PM**

Introduction of New Members

William H. Barry  
Eduardo Marban  
James E. Muller  
Judith L. Swain

L. David Hillis  
Jere H. Mitchell (re-election)  
David J. Skorton  
Karl T. Weber

Elected in 1991

Victor Dzau  
John P. DiMarco  
Paul J. Cannon

First Scientific Session

Marked Beneficial Influence of a Patent Infarct Artery  
Following Myocardial Infarction

**L. David Hillis**, Department of Medicine, University of Texas Southwestern Medical Center, Dallas, TX

Role of T-PA and Early Catheterization in Unstable  
Angina: Results of TIMI III

**Hiltrud S. Mueller**, Montefiore Medical Center/Albert Einstein College of Medicine, Bronx, NY, for the TIMI Investigators

Inducible Nitric Oxide Synthase: Inhibition in  
Macrophages by Oxidized LDL, Involvement in Cardiac  
Allograft Rejection

**Paul J. Cannon**, (and by invitation) Xiaochun Yang, Robert Sciacca, Bolin Cai, Nepal Chowdhury and Robert E. Michler, Departments of Medicine and Surgery, Columbia College of Physicians and Surgeons, New York, NY

Mildly Oxidized LDL Induces Inflammatory Genes by Increasing cAMP and Activating the Transcription Factor NFkB

Effector Hormones of the RAAS and Fibrous Tissue Formation

Neural Control of Cardiovascular Responses and of Ventilation during Dynamic Exercise in Man

Mechanism of Activation of Cardiac Sympathetic Afferents during Myocardial Ischemia in Dogs

Cardiac Electrophysiologic Effects of Erythromycin Responsible for the Long QT Syndrome

F. Parhami (by invitation), Z. Fang (by invitation), **Alan M. Fogelman**, A. Andalibi (by invitation), M. Territo (by invitation), and J. Berliner (by invitation), Departments of Pathology and Medicine, UCLA School of Medicine, Los Angeles, CA

**Karl T. Weber**, Division of Cardiology, Department of Internal Medicine, University of Missouri Health Sciences Center, Columbia, Missouri

S. Strange (by invitation), J.A. Pawelczyk (by invitation), N.H. Secher (by invitation), B. Saltin (by invitation), and **Jere H. Mitchell**, August Krogh Institute; Department of Anesthesia, Rigshospitalet, University of Copenhagen, Denmark; and Moss Heart Center, University of Texas Southwestern Medical Center, Dallas, TX

**Marc D. Thames**, (and by invitation) A.J. Minisi and M.E. Dibner-Dunlap, Department of Internal Medicine, University Hospitals of Cleveland, VAMC Cleveland and Case Western Reserve University, Cleveland, OH

**Douglas P. Zipes**, (and by invitation) Michael Rubart and Milton L. Pressler, Indiana University School of Medicine and Krannert Institute of Cardiology, Indianapolis, IN

RECEPTON AND DINNER (black tie)  
Crystal Room

**Friday, January 15, 1993 – 8:15 AM**

Business meeting

Second scientific session

Circadian Variation and Triggering of Acute Cardiovascular Disease

Election of officers

**James E. Muller**, Institute for Prevention of Cardiovascular Disease, Cardiovascular Division, Deaconess Hospital, Harvard Medical School, Boston, MA

Molecular Inhibition of Vascular Smooth Muscle Proliferation Using Antisense Oligonucleotide: Therapy for Restenosis

**Victor J. Dzau**, Division of Cardiovascular Medicine, Falk Cardiovascular Research Center, Stanford University School of Medicine, Stanford, CA

Myocyte Injury Produced by Lymphocytes Isolated from Rejecting Cardiac Allografts

**William H. Barry**, (and by invitation) Liping Zhao, Shixuan Xu, and D. Keith Bishop, University of Utah Medical Center, Salt Lake City, UT

Regional Wall Motion as a Predictor of Outcome After Nonpharmacologic Therapy for Ventricular Arrhythmias

**John P. DiMarco**, (and by invitation) Sunil Nath, Michael J. Barber, Irving L. Kron, and David E. Haines, University of Virginia Health Sciences Center, Charlottesville, VA

Role of K<sup>+</sup>, pH, and Slow Conduction in the Genesis of Ventricular Fibrillation Following Coronary Occlusion

**Leonard S. Gettes**, (and by invitation) W.F. Fleet, T.A. Johnson, J. Shen, and W.E. Cascio, University of North Carolina, Charleston, SC

Ventilation is not Critical to Survival During the First 12.5 Minutes of Cardiopulmonary Resuscitation

R. Berg (by invitation), K.B. Kern (by invitation), A. Anderson (by invitation), R. Hilwig (by invitation), M.M. Milander (by invitation), C.W. Otto (by invitation), and **Gordon A. Ewy**, University of Arizona, College of Medicine, Tucson, AZ

**Presented by title only:**

Atomic Force Microscopy in Biology: Molecular Resolution Imaging of Cell Membranes, Constituent Biomolecules and Microcrystals

Limitations of National Education Guidelines for Children and Young Adults Tested by Data, in Contrast to Consensus: The Bogalusa Heart Study

Heartbeat International [HBI]: A Cooperative Effort to Use Cardiac Pacemakers to Foster International Goodwill and Understanding

Altered Delayed Rectifier Current ( $I_K$  and Clinical Arrhythmias - Arrhythmogenesis and Proarrhythmia)

**Morton F. Arnsdorf**, and (by invitation) Ratneshwar Lal, Department of Medicine, The University of Chicago, Chicago, Illinois

**Gerald S. Berenson**, (and by invitation) Weihang Bao, Sathanur R. Srinivasan, Marc S. Jacobson, National Center for Cardiovascular Health, Tulane School of Public Health, New Orleans, Louisiana

**Henry D. McIntosh**, (and by invitation) Jorge L. Gonzales, Ronald E. Vlietstra, and Peter Alagona, Jr., St. Joseph's Heart Institute, Tampa, Florida; and Watson Clinic, Lakeland, Florida

**Robert J. Myerburg**, (and by invitation) Shinichi Kimura, Patricia L. Kozlovskis, and Agustin Castellanos, University of Miami School of Medicine, Division of Cardiology, Miami, Florida

**Thirty-third Annual Meeting of the Association of University Cardiologists**  
**Quail Lodge Resort**  
**Carmel Valley, California**  
**January 13-14, 1994**  
**Officers, 1993-4**

President	Robert J. Myerburg
Vice President	Allyn L. Mark
Secretary-Treasurer	Richard L. Popp
Council Members:	
One year term	Thomas W. Smith, (past president)
	Valentin C. Fuster
	Jay N. Cohn
	Douglas P. Zipes

**Wednesday, January 12, 1994 – 7:00 – 9:00 PM**

Informal reception in the Quail Lodge Resort

**Thursday, January 13, 1994 – 8:45AM – 12:00 PM**

President's Program

Cardiovascular Research in an Era of Health Care Reform	Kenneth I. Shine, M.D., President, Institute of Medicine, National Academy of Sciences
---	--

Genetic Approaches to Multi-factorial Cardiovascular Diseases	Theodore Kurtz, M.D., Professor of Laboratory Medicine, University of California, San Francisco
---	---

The 8<sup>th</sup> George Burch Memorial Lecture

Victor Fuchs was scheduled to present but was unable to make it to the meeting due to an accident

PRESIDENT'S LECTURE

**Transient Risk Factors in Sudden Cardiac Death: Epidemiology and Pathophysiology**

Robert J. Myerburg, M.D., Professor of Medicine and Physiology  
University of Miami

**Thursday, January 13, 1994 – 1:00 PM**

Introduction of New Members

Robert Bonow	Donald Heistad
Andrew Buda	Jeffrey Leiden
C. Richard Conti (re-elected)	Eric Topol
Charles Francis	Joshua Wynne

First Scientific Session  
(8 papers presented)

RECEPTION AND DINNER (black tie)  
The Clubhouse

**Friday, January 14, 1994 – 8:45 AM**

Business meeting	Election of officers
Second scientific session	

Five papers were presented



**Thirty-fourth Annual Meeting of the Association of University Cardiologists**  
**Arizona Biltmore**  
**Phoenix, Arizona**  
**January 12-13, 1995**  
**Officers, 1994-5**

President  
Vice President  
Secretary-Treasurer  
Council Members:  
One year term

Allyn L. Mark  
Douglas P. Zipes  
Richard L. Popp

Robert J. Myerburg, (past president)  
William H. Barry  
Valentin C. Fuster  
LeWinter

Martin

**Wednesday, January 11, 1995 – 6:30 – 8:00 PM**

Informal reception

**Thursday, January 12, 1995 – 8:45 AM**

**President's Program**

FEATURED LECTURE

**The Future of United States Medical Schools**

Jordon Cohen, President, American Association of Medical Colleges

The 9<sup>th</sup> George Burch Memorial Lecture

**Biology**

Loren Field, Professor, Indiana University School of Medicine

PRESIDENT'S LECTURE

**Autonomic Control**

Allyn Mark, University of Iowa School of Medicine, Iowa City, IA

**Thursday, January 12, 1995 – 1:00 PM**

Introduction of New Members

Blasé Carabello  
Richard B. Devereux  
David G. Harrison  
John P. Lindemann  
Joseph Loscalzo

Thomas Quertermous  
Andrew Selwyn  
Bramah N. Singh  
James N. Weiss

First Scientific Session

The turbulent heart: Chaos in cardiac fibrillation

**James N. Weiss**, H. S. Karagueuzian, P.S. Chen, D. Walter, B. Kogan, M. Karpoukhin, S. Eveans, O. Nwasokwa, A. Garfinkel  
UCLA School of Medicine & Cedars-Sinai Medical Center, Los Angeles, CA.; Albert Einstein School of Medicine, New York, NY

Mechanisms for controlling arrhythmias by lengthening repolarization: Insights from studies of chronic amiodarone and hypothyroidism

**Bramah N. Singh**, VA Medical Center of West Los Angeles and the UCLA School of Medicine, Los Angeles, CA

Molecular studies of endothelial cell differentiation and vascular morphogenesis

**Thomas Quertermous**, T. Wagner, B. L. M. Hogan, Vanderbilt University Medical School, Nashville, TN, & Ohio University, Athens, OH

Physiological and pathophysiological regulation of the endothelial cell nitric oxide synthase

**David G. Harrison**, R. C. Venema, Y. Ohara, N. Inoue, J. F. Arnai, H. Sayegh, Emory University School of Medicine, Atlanta VA Medical Center, Atlanta, GA

Nitric oxide and S-nitrosothiols in the cardiovascular system

**Joseph Loscalzo**, Boston University School of Medicine, Boston, MA

Atherosclerosis as a disease of redox-sensitive genes: A potential unifying hypothesis

**R. Wayne Alexander**, R. M. Medford, Emory University School of Medicine, Atlanta, GA

Endothelial dysfunction in coronary atherosclerosis: mechanisms leading to ischemia

**Andrew P. Selwyn**, T Anderson, F Charbonneau, P Ganz, Brigham and Womens Hospital, Harvard Medical School, Boston, MA

Psychophysiological investigations of myocardial ischemia (PIMI): Initial results on mechanisms of cardiac ischemia

**Carl Pepine**, B Bertolet, J Cohen, D Goldberg, H Taylor, L Becker, R Bonsall, P Stone, G Knatterud, P Kaufmann, D. Sheps for PIMI Investigators, University of Florida, Gainesville, FL

RECEPTION AND DINNER (black tie)

**Friday, January 13, 1995 – 8:45 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Left ventricular dysfunction in gradually developing pressure overload is predicted by left ventricular mass and wall stress before pressure overload develops

M Koide, M Zile, G DeFreyte, **George Cooper IV, Blasé Carabello**, Medical University of South Carolina, Charleston, SC

Diastolic dysfunction during "supply" and "demand" ischemia, and reperfusion: Relative roles of calcium and glycolytic ATP

**Carl Apstein**, FR Eberli, N Varma, AC Cave, J Friedrich, JS Ingwall Boston University School of Medicine, Boston, MA

Relation of left ventricular midwall function to demographic and metabolic variables and arterial status in normotensive and hypertensive adults

**Richard B Devereux**, G deSimone, MJ Roman, Cornell Medical Center, New York, NY

Pawtucket heart health: Cross-sectional results from this community education trial

**Richard A. Carleton**, TM Lasater, AR Assaf, HA Feldman, SM McKinlay, Memorial Hospital of Rhode Island, Pawtucket, RI, Brown University, Providence, RI, New England Research Institute, Watertown, MA

The need for ventilatory support during bystander cardiopulmonary resuscitation (CPR)

RA Berg, D Wilcoxson, RW Hilwig, KB Kern, AB Sanders, CW Otto, **Gordon A Ewy**, University of Arizona College of Medicine, Tucson, AZ

**Thirty-Fifth Annual Meeting of the Association of University Cardiologists**  
**The Registry Resort**  
**Naples, Florida**  
**January 11-12, 1996**  
**Officers, 1995-6**

President	Douglas P. Zipes
Vice President	Richard L. Popp
Secretary-Treasurer	George A. Beller
Council Members:	
One year term	Allyn L. Mark, (past president)
	William H. Barry
	LeWinter
Martin	R. Sanders Williams

**Wednesday, January 10, 1996 – 6:00 – 8:00 PM**

Informal reception, Lalique III & IV

**Thursday, January 11, 1996 – 8:45 AM**

**President's Program**

The 10<sup>th</sup> George Burch Memorial Lecture  
**Genetics of the Long QT Syndrome: Clinical Implications**  
Mark Keating, M.D., Associate Investigator, Assistant Professor of Medicine and Human Genetics  
Howard Hughes Medical Center, University of Utah

FEATURED LECTURE  
**Research in Industry: Preparing for the 21<sup>st</sup> Century**  
August Watanabe, M.D., President, Eli Lilly Company

PRESIDENT'S LECTURE  
**On Repairing ECGs: Clinical Cures Offered by the Electrophysiologist**  
Douglas L. Zipes, M.D., Distinguished Professor of Medicine, Pharmacology and Toxicology  
Director, Cardiology Division and Krannert Institute of Cardiology

**Thursday, January 11, 1996 – 1:00 PM**

Introduction of New Members

Melvin D. Cheitlin	Warren M. Jackamn
Linda L. Demer	James P. Morgan
Arthur M. Feldman	Elizabeth G. Nabel
Sidney Goldstein	Abdul Jamil Tajik
Seigo Izumo	Arthur E. Weyman

**First Scientific Session**

Sick vessel syndrome: will gene transfer be useful?

**Donald D. Heistad**, University of Iowa College of Medicine, Iowa City, IA

*In vivo* gene transfer into the vascular wall: A biological and therapeutic tool

RD Simari, Z-Y Yang, H San, D Gordon, GJ Nabel, **Elizabeth G. Nabel**, Cardiovascular Research Center, University of Michigan, Ann Arbor, MI

Potential role of cytomegalovirus in restenosis and in atherosclerosis

**Stephen E. Epstein**, E Speir, YF Zhou, E Guetta, T Shibutani, MB Leon, E-S Huang, T Finkel, NHLBI, National Institutes of Health, Bethesda, MD

Inhibition of atherosclerosis and Xanthoma formation by l-arginine in cholesterol-fed LDL receptor knockout mice

**Paul J. Cannon**, W Aji, S Ravalli, X-C Jiang, R Michler, Columbia University, New York, NY

Influence of myocardial contractile reserve on prognosis in patients with coronary artery disease and severe left ventricular dysfunction

JT Tauke, FA Chaudhry, **Robert O. Bonow**, Northwestern University Medical School, Chicago, IL

Cardiocyte apoptosis: a mechanism for progressive left ventricular dysfunction and heart failure

**Sidney Goldstein**, V Sharov, H Sabbah, Henry Ford Heart and Vascular Institute, Detroit, MI

Molecular and cellular regulation of vascular calcification: analogies with embryonic osteogenesis

**Linda L. Demer**, KE Watson, K Bostr MW Stanford, F Parhami, UCLA School of Medicine, Los Angeles, CA

Cardiovascular toxicity of cocaine

J Wolff, B Nunez, L Miao, J Carrozza, L Huang, K Egashira, **James P. Morgan**, Harvard Medical School, Boston, MA

RECEPTON AND DINNER (black tie)  
Crystal Foyer, Crystal I, II, III

**Friday, January 12, 1996 – 9:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

The role of the NO pathway in the control of cardiac function

**Thomas W. Smith**, L Belhassen, J-L Balligand, WW Simmons, RA Kelly, Cardiovascular Division, Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, MA

Lone atrial fibrillation in the elderly: A marker of cardiovascular risk

**Bernard J. Gersh**, SL Kopecky, MD McGoon, JP Whisnant, DM Ilstrup, *et al.*  
Division of Cardiovascular Diseases and Internal Medicine, the Departments of Health Sciences Research and Neurology and the Section of Biostatistics; Mayo Clinic and Mayo Foundation, Rochester, MN

Recordings from Mahaim (right atriofascicular) accessory pathways suggest a duplication of the normal AV conduction system

**Warren M. Jackman**, JH McClelland, X Wang, KJ Beckman, R Lazzara, University of Oklahoma, Oklahoma City, OK

The csx family of homeobox genes and cardiac development: from drosophila to humans

**Seigo Izumo**, Cardiovascular Research Center, University of Michigan Medical Center, Ann Arbor, MI

Clinical application of three-dimensional echocardiographic laser stereolithography: Effect of leaflet funnel geometry on the coefficient of orifice contraction, pressure loss and the gorlin formula in mitral stenosis

D Glon, R Levine, **Arthur E. Weyman**, Massachusetts General Hospital, Boston, MA

Incidence and prevalence of left ventricular systolic dysfunction and cardiomyopathy in acquired immunodeficiency syndrome: a prospective long-term controlled study

**Melvin D. Cheitlin**, L Kee, H Hollander, G Modin, C Somelofski, NB Schiller, San Francisco General Hospital, San Francisco, CA

Increased microtubule density in hypertrophied and failing myocardium

**George Cooper, IV**, B Carabello, M Zile, P McDermott, D Menick, D Kuppuswamy, Cardiology Division of the Department of Medicine and the Gazes Research Institute, VA Medical Center and the Medical University of South Carolina, Charleston, SC

**Thirty-sixth Annual Meeting of the Association of University Cardiologists**  
**Quail Lodge Resort and Golf Club**  
**Carmel Valley, California**  
**January 8-10, 1997**  
**Officers, 1996-7**

President	Richard L. Popp
Vice President	William H. Barry
Secretary-Treasurer	George A. Beller
Council Members:	
One year term	Douglas P. Zipes, (past president)
Martin	LeWinter
	Judith L. Swain
	R. Sanders Williams

**Wednesday, January 8, 1997 – 6:00 – 8:00 PM**

Informal reception, Club Dining Room

**Thursday, January 9, 1997 – 8:45 AM**

**President's Program**

FEATURED LECTURE

**Appliances, Utilities, and Medicine**

Joel S. Birnbaum, Ph.D., Senior Vice President, Research and Development  
 Director, Hewlett-Packard Laboratories

The 11<sup>th</sup> George Burch Memorial Lecture

**Academic-Industry Alliances as We Approach the Turn of the Century**

Phyllis Gardner, M.D., Associate Professor of Molecular Pharmacology and Medicine  
 Standord University, Stanford, CA, and Vice President of Research, Alza Corporation  
 Palo Alto, CA

PRESIDENT'S LECTURE

**Financial Pressures Bring New Stresses to an Old System: Issues and Answers for the University Medical Faculty**

Richard L. Popp, M.D., Senior Associate Dean for Academic Affairs  
 Stanford University School of Medicine

**Thursday, January 9, 1997 – 1:00 PM**

Introduction of New Members

Jeffrey Lance Anderson  
 Samuel Ward Casscells, III  
 Bruce B. Lerman

Douglas L. Mann  
 Marschall Stevens Runge  
 Sidney C. Smith, Jr.

First Scientific Session

Cytomegalovirus may contribute to restenosis and to atherosclerosis

**Stephen E. Epstein**, YF Zhou, E Speir, E Guetta, MB Leon, T Finkel, NHLBI, National Institutes of Health, Bethesda, MD

New mechanisms for oxidative stress in atherosclerotic lesion formation

**Marschall S. Runge**, University of Texas Medical Branch, Galveston, TX

Fibroblast growth factor-2 enhances gene transfer

MF Alexeyev, T Scott-Burden, DA Engler, **Samuel Ward Casscells III**, Texas Heart Institute, St. Luke's Episcopal Hospital, Hermann Hospital and University of Texas Health Science Center, Houston, TX

Polymorphisms in the genes for angiotensin-converting enzyme, GPIIIa and methylenetetrahydrofolate reductase and risk for myocardial infarction

**Jeffrey L. Anderson**, JF Carlquist, GJ King, L Morrison, MJ Thomson, E Ludwig, JB Muhlestein, TL Bair, RH Ward, of Utah and LDS Hospital, Salt Lake City, Utah and University of Oxford, Oxford, UK

Idiopathic right ventricular outflow tract tachycardia due to a mutation in G<sub>i</sub>

**Bruce B. Lerman**, B Dong, KM Stein, SM Markowitz, DF Catanzaro, New York Hospital-Cornell Medical Center, New York, NY

Lone atrial fibrillation in the elderly: A marker of cardiovascular risk

**Bernard J. Gersh,** SL Kopecky, MD McGoon, JP Whisnant, DM Ilstrup, *et al.*, Division of Cardiovascular Diseases and Internal Medicine, the Departments of Health Sciences Research and Neurology and the Section of Biostatistics; Mayo Clinic and Mayo Foundation, Rochester, MN

Mechanotransduction in the normal, hypertrophied, and failing adult heart

**Richard A. Walsh,** GW Dorn II, BD Hoit, University of Cincinnati College of Medicine, Cincinnati, OH

Mechanisms of disease progression in heart failure: the role of stress-activated cytokines in the heart

**Douglas L. Mann,** VA Medical Center, Houston, TX

RECEPTION AND DINNER (black tie)  
Clubhouse Cocktail Lounge and Dining room

**Friday, January 10, 1997 – 9:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Constrictive pericarditis: evolution of disease, diagnostic considerations and management

**Abdul Jamil Tajik,** Division of Cardiovascular Diseases, Mayo Clinic, Rochester, MN

Proportionate reversible decreases in systolic function and myocardial O<sub>2</sub> consumption following modest reductions in coronary flow - hibernation vs. stunning

**Francis J. Klocke,** AJ Sherman, KR Harris, S Hedjbeli, Y Yaroshenko, Northwestern University Medical School, Chicago, IL

Improved outcome after coronary bypass surgery in patients with ischemic cardiomyopathy and residual myocardial viability

**George A. Beller,** PR Pagley, M Ragosta  
University of Virginia, Charlottesville, VA

Why and when does obesity promote hypertension: new insights from studies of genetically obese leptin resistant rats

**Allyn L. Mark,** WG Haynes, DA Morgan, RY Walder, GF DiBona, University of Iowa Hypertension Genetics Specialized Center of Research and Veterans Affairs Medical Center, Iowa City, IA

Multiple cardiovascular risk factors are synergistic to the formation of progressive coronary atherosclerotic lesions: The Bogalusa Heart Study

**Gerald S. Berenson,** SR Srinivasan, W Bao, WA Wattigney, Tulane Center for Cardiovascular Health, New Orleans, LA

Asymptomatic cardiac ischemia pilot (ACIP) study: outcome at one year and two years

**C. Richard Conti, CJ Pepine, B Chaitman, S Goldstein, H Mueller,** WJ Rogers, R Davies, University of Florida College of Medicine, Gainesville, FL

The renal lesions in cyanotic congenital heart disease

**Joseph K. Perloff,** H Latta, P Barsotti  
UCLA Adult Congenital Heart Disease Center, Los Angeles, California, and the Dipartimento di Medicina Sperimentale, Università degli Studi di Roma

**Thirty-seventh Annual Meeting of the Association of University Cardiologists  
Ritz-Carlton Palm Beach  
Palm Beach, Florida  
January 7-9, 1998  
Officers, 1997-8**

President	William H. Barry
Vice President	R. Wayne Alexander
Secretary-Treasurer	George A. Beller
Council Members:	
One year term	Richard L. Popp, (past president)
	Joel S. Karliner
	R. Sanders Williams
	Judith L. Swain

**Wednesday, January 7, 1998 – 6:30 – 8:00 PM**

Informal reception, Poolside

**Thursday, January 8, 1998 – 8:45 AM**

**President's Program**

FEATURED LECTURE

**Calcium Sparks in Heart Muscle**

W. Jonathan Lederer, M.D., Ph.D., Professor and Chair  
Department of Molecular Biology and Biophysics in the Medical Biotechnology Center at the  
University of Maryland Biotechnology Institute  
Baltimore, MD

The 12<sup>th</sup> George Burch Memorial Lecture

**Academic Medicine and Managed Care: Seeking Common Ground**

John C. LaRosa, M.D., Chancellor, Tulane University Medical Center  
New Orleans, LA

PRESIDENT'S LECTURE

**Mechanisms of Action and Clinical Efficacy of Digitalis: New Looks at an Old Drug**

William H. Barry, M.D., Nora Eccles Harrison Professor of Cardiology  
University of Utah School of Medicine  
Salt Lake City, UT

**Thursday, January 8, 1998 – 1:00 PM**

Introduction of New Members

Michael E. Cain  
Wilson S. Colucci  
Michael D. Ezekowitz

Ami E. Iskandrian  
Sanjiv Kaul  
Gerald V. Naccarelli

First Scientific Session

Applications of gene transfer to vascular biology

**Donald D. Heistad**

University of Iowa College of Medicine, Iowa City, IA

Regulation of expression of the endothelial cell NO synthase

**David G. Harrison**, Y Ohara, C Searles, S Kamasamy  
Cardiology Division, Emory University, Atlanta, GA

CDC6 is regulated by E2F, and is essential for DNA replication in mammalian cells

Z Yan, J DeGregori, R Shohet, G Leone, L Field, B Stillman, JR Nevins, and **R. Sanders Williams**,  
University of Texas Southwestern Medical Center, Dallas, TX

Norepinephrine stimulates apoptosis in cardiac myocytes *in vitro*

**Wilson S. Colucci**, Cardiovascular Section, Boston Medical Center and Boston University School of Medicine, Boston, MA

Acute treatment of atrial fibrillation: Results of a pilot study to determine spontaneous conversion rates and cost of care

**Gerald V. Naccarelli**, JT Dell'Orfano, H Patel, D Wolbrette, JC Luck, Pennsylvania State University, Hershey, PA

Presentation of stroke in chronic atrial fibrillation

**Michael D. Ezekowitz**, Yale University School of Medicine, New Haven, CT

Detection of the fingerprint of the electrophysiologic abnormalities that increase vulnerability to sustained ventricular arrhythmias

**Michael E. Cain**, SM Pogwizd, DG Beetner, RM Arthur, Washington University, St. Louis, MO

RECEPTION AND DINNER (black tie)  
Flagler Hall, Ritz-Carlton Ballroom Salon 3

**Friday, January 9, 1988 – 8:15 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

A novel method for quantification of myocardial blood flow with myocardial contrast echocardiography

**Sanjiv Kaul**, University of Virginia, Charlottesville, VA

A new approach to quantifying transit velocity from contrast echocardiography based upon the reduction of intensity induced by ultrasonic energy

**Anthony N. DeMaria**, K Ohmori, University of California San Diego, San Diego, CA

Targeting vessel wall composition by MRI

**Valentin Fuster**, M Shinnar, ZA Fayad, JT Fallon Mt. Sinai Medical Center, New York, NY

Dual isotope imaging and 2-dimensional echocardiography in myocardial viability assessment

**Ami E. Iskandrian**, J Narula, F Chaudhry, S Brozena Allegheny University of the Health Sciences, Philadelphia, PA

The relationship of birthplace to blood pressure control and mortality in hypertensive urban black Americans

**Charles K. Francis**, VA Pogue, C Ellis, C Nathan, B Diamond, G Branche, Urban Health Institute at Harlem Hospital Center, Columbia University College of Physicians and Surgeons, New York, NY

The (un) natural history of treated mitral stenosis

**Joshua Wynne**, BS Raju, S Farkas, K Reddy, PR Raju, Z Turi, State University School of Medicine, Detroit, Michigan, and MediCiti Hospital, Hyderabad, India



**Thirty-eighth Annual Meeting of the Association of University Cardiologists**  
**Ritz-Carlton, Phoenix, Arizona**  
**January 13-15, 1999**  
**Officers, 1998-9**

President	R. Wayne Alexander
Vice President	George A. Beller
Secretary-Treasurer	Donald D. Heistad
Council Members:	
One year term	William H. Barry, (past president)
	Joel S. Karliner
	shua Wynne
Jo	Judith L. Swain

**Wednesday, January 13, 1999** – 6:30 - 8:00 PM

Informal reception, Ritz-Carlton, Upper Pool Deck

**Thursday, January 14, 1999** – 9:00 AM

**President's Program**

FEATURED LECTURE

**The Role of Oxidizing Phospholipids in Myocardial Infarction**  
 Alan M. Fogelman, M.D., Professor of Medicine and Executive Chair  
 Department of Medicine, UCLA School of Medicine  
 Los Angeles, CA

The 13<sup>th</sup> George Burch Memorial Lecture

**AHC: Current Condition and Prognosis for the Future**  
 Michael M. E. Johns, M.D., Executive Vice President for Health Affairs  
 Emory University School of Medicine  
 Atlanta, GA

PRESIDENT'S LECTURE

**Angiotension II: From Bit Player to Conductor of the Cardiovascular Orchestra**  
 R. Wayne Alexander, M.D., R. Bruce Logue Professor of Medicine, Director, Division of Cardiology  
 Emory University School of Medicine  
 Atlanta, GA

**Thursday, January 14, 1999** – 1:00 PM

Introduction of New Members

Shaun R. Coughlin, M.D.	Kim Allen Eagle, M.D.
Beverly H. Lorell, M.D.	Jawahar L. Mehta, M.D., Ph.D.
James L. Ritchie, M.D.	George Wayne Vetrovec, M.D.

**First Scientific Session**

The potential detection and treatment of unstable atherosclerotic plaques

**James T. Willerson**, P. Zoldhelyi, **S. Ward Casscells**,  
 University of Texas Medical School, Houston, TX

Relations between artery wall calcification, osteogenesis and osteoporosis

F. Parhami, K. Bostrom, Y. Tintut, K. Watson, **Linda L. Demer**, UCLA School of Medicine, Los Angeles, CA

Identification of specialized receptors for OX-LDL (LOX-1) and angiotensin II in human coronary artery endothelial cells. Evidence for cross-talk between OX-LDL and angiotensin II in cell dysfunction

**J. L. Mehta**, D.Y. Li, University of Florida College of Medicine, Gainesville, FL

A Glimpse of the 21<sup>st</sup> century from present day molecular genetics

**Robert Roberts**, Baylor College of Medicine, Houston, TX

Syncope: New approaches to an old problem

**Rose Marie Robertson**, I. Biaggioni, R. Mosqueda-Garcia, D. Robertson, Vanderbilt University Medical Center, Nashville, TN

Enhancement of endothelial cell migration and in vitro tube formation to TAP-20, a novel beta 5 integrin modulating, PKC  $\theta$  dependent protein

S. Tang, Y. Gao, **J. Anthony Ware**, Cardiovascular Division, Albert Einstein College of Medicine, Bronx, NY

The association between coronary angioplasty volumes and outcomes in the health care cost and utilization project and medicare

**James L. Ritchie**, University of Washington School of Medicine, Seattle, WA

RECEPTION AND DINNER (black tie)  
Pavilion Room & Salon I

**Friday, January 15, 1999 – 8:15 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

What and why a cardiologist should know about the emerging biology of obesity

**Allyn L. Mark**, W. Haynes, M. Correia, D. Morgan, R. A. Shaffer, University of Iowa College of Medicine and VAMC, Iowa City, IA

Growth signaling in pressure overload hypertrophy

**Beverly H. Lorell**, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA

Coronary angioplasty in cardiac transplant patients: Results of a multicenter trial

A. A. Halle, **George W. Vetrovec**, and the Multicenter Transplant Group, Medical College of Virginia, Richmond, VA

The cytokine hypothesis for CHF

**Arthur M. Feldman**, T. Kubota, Y-Y. Li, D. Wagner, C. McTiernan, University of Pittsburgh School of Medicine, Pittsburgh, PA

Outcomes assessment to improve heart care and efficiency at a university health system: Lessons from the University of Michigan

**Kim A. Eagle**, University of Michigan Medical Center, Ann Arbor, MI

**Thirty-ninth Annual Meeting of the Association of University Cardiologists**  
**Carmel Valley Ranch, Carmel, California**  
**January 12-14, 2000**  
**Officers, 1999-2000**

President	George A. Beller
Vice President	R. Sanders Williams
Secretary-Treasurer	Donald D. Heistad
Council Members:	
One year term	R. Wayne Alexander, (past president)
Jo	shua Wynne
Joel	Karliner
Lin	da Demer

**Wednesday, January 12, 2000 – 6:30 – 8:00 PM**

Informal reception, Golf Club House

**Thursday, January 13, 2000 – 8:00 AM**

**President's Program**

**The Geography of Cardiovascular Health Care: From Workforce to Intervention**

David E. Wennberg, MD, MPH, Director, Center for Outcomes Research and Evaluation  
 Maine Medical Center, Portland, ME; Assistant Professor of Medicine, Dartmouth Medical School  
 Hanover, NH

The 14<sup>th</sup> George Burch Memorial Lecture

**Academic Medicine: The Best of Times and the Worst of Times**

Edward W. Holmes, MD, Dean of the School of Medicine, Vice Chancellor for Academic Affairs  
 Walter Kempner Professor of Medicine and Genetics, Duke University  
 Durham, NC

PRESIDENT'S LECTURE

**Myocardial Hibernation: Pathophysiology, Detection and Clinical Implications**

George A. Beller, M.D., Chief, Cardiovascular Division  
 Ruth C. Heede Professor of Cardiology and Internal Medicine  
 University of Virginia Health System  
 Charlottesville, VA

**Thursday, January 13, 2000 – 1:00 PM**

Introduction of New Members

Roberto Bolli  
 Peter Buttrick  
 Mihai Gheorghide  
 Allan S. Jaffe  
 Marvin Konstam  
 Peter Libby  
 Leslie William Miller

Michael S. Parmacek  
 Joseph Parillo  
 Gerald Pohost  
 John Rutherford  
 Richard Smalling  
 Ronald Victor

**First Scientific Session**

Molecular basis of ischemic preconditioning

**Roberto Bolli**, X-L Tang, P Ping, Y-T Xyan, WK Jones,  
 Y Guo, University of Louisville, Louisville, KY

NO skeletal-muscle derived relaxing factor in Duchenne  
 muscular dystrophy

**Ronald G. Victor**, GD Thomas, University of Texas  
 Southwestern Medical Center, Dallas, TX

Modulation of extracellular superoxide dismutase  
 expression by nitric oxide in vascular smooth muscle:  
 importance in exercise training

**David G. Harrison**, T Fukai, M Siegfried, M Ushio-Fukai,  
 Y Cheng, G Kodja, Emory University School of Medicine,  
 Atlanta, GA

Coronary blood flow reserve revisited: the role of  
 capillaries

**Sanjiv Kaul**, University of Virginia, Charlottesville, VA

The PCr/ATP ratio: Detection of "Microvascular"  
 ischemia in women

**Gerald M. Pohost**, SD Buchthal, J denHollander  
 University of Alabama, Birmingham, AL

Mechanisms of myocardial depression in septic shock: potential lessons for other forms of reversible myocardial dysfunction

**Joseph E. Parrillo**, A. Kumar, Rush-Presbyterian-St Luke's Medical Center, Chicago, IL

Cellular mechanisms of progressive congestive heart failure: myofilament calcium sensitivity versus calcium availability

**Peter M. Buttrick**, P deTombe, P Goldspink, J Garcia-Martinez, B Wolska, RJ Solaro, University of Illinois, Chicago, IL

Increase in end-diastolic wall thickness immediately post-reperfusion is a measure of irreversible damage in reperfusion strategies for acute MI: beneficial effects of ic heparin and lv unloading

AE Denktas, MA Rihner, P Yhip, H Achour, J Amirian, P Felli, P Navarro, E Barasch, LM Buja, **Richard W. Smalling**, University of Texas-Houston and Memorial Hermann Hospital, Houston, TX

RECEPTION AND DINNER (black tie)  
Ballroom A-F

**Friday, January 14, 2000 – 8:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Ventricular remodeling and the renin angiotensin system: of mice and men (and women)

**Marvin A. Konstam**, R Patten, JE Udelson  
Tufts University and New England Medical Center, Boston, MA

End-stage renal disease and cardiovascular morbidity and mortality – an attempt to examine the influence of blood pressure control on echocardiographic and clinical outcomes in patients on hemodialysis

**John D. Rutherford**, JP Middleton, PA Grayburn  
University of Texas Southwestern Medical Center, Dallas, TX

Coronary angioplasty in cardiac transplant patients: results of a multicenter study

A.A. Halle, **George W. Vetrovec**, and the Multicenter Transplant Group  
Medical College of Virginia, Richmond, VA

Mechanism of systolic anterior motion (SAM) of the mitral valve complicating mitral valve repair and potential approaches for its prevention

**Pravin M. Shah**, AA Raney  
Hoag Heart Institute, Newport Beach, CA

Cardiac injury in patients with acute neurological disease

**Allan S. Jaffe**  
Mayo Medical School, Rochester, MN

**Fortieth Annual Meeting of the Association of University Cardiologists  
The Resort at Longboat Key Club, Longboat Key, Florida  
January 10-12, 2001  
Officers, 2000-1**

President	R. Sanders Williams
Vice President	Joel S. Karliner
Secretary-Treasurer	Donald D. Heistad
Council Members:	
One year term	George A. Beller, (past president)
Jo	shua Wynne
George	Vetrovec
Arthur	Feldman

**Wednesday, January 10, 2001 – 6:30 – 8:00 PM**

Informal reception, Barefoots (Pool Deck)

**Thursday, January 11, 2001 – 8:30 AM**

**President's Program**

PRESIDENT'S LECTURE

**Preventing Heart Failure in the Era of Genomics: Which Pathways Lead to Success?**

R. Sanders Williams, M.D., Professor of Medicine, James T. Willerson Distinguished Chair in Cardiology  
Department of Medicine, University of Texas Southwestern Medical Center  
Dallas, TX

FEATURED LECTURE

**The Alliance for Cellular Signaling**

Alfred G. Gilman, M.D., Ph.D., Regental Professor and Chairman  
Department of Pharmacology, University of Texas Southwestern Medical Center  
Dallas, TX

The 15<sup>th</sup> George Burch Memorial Lecture

**The Science and Technology of Human Genomics in Academia and Industry**

Charles R. Cantor, Ph.D., Chief Science Officer, Sequenom, Inc., San Diego, CA  
Professor and Chair of Biomedical Engineering and Biophysics  
Director of Center for Advanced Biotechnology, Boston University  
Boston, MA

**Thursday, January 11, 2001 – 1:00 PM**

Introduction of New Members

Bradford C. Berk  
Alice K. Jacobs  
James D. Marsh

J. David Talley  
Michael D. Winniford

**First Scientific Session**

Transcriptional regulation of vascular smooth muscle cell development and differentiation

**Michael S. Parmacek**, University of Pennsylvania, Philadelphia, PA

Regulation of calcium channel expression by catecholamines

Q. I. Fan, and **James D. Marsh**, Wayne State University School of Medicine, Detroit, MI

Effects of serCa<sup>2+</sup> over expression on contractile reserve in hypertrophied mouse myocytes

K. Ito, X. Yan, W.H. Dillmann, **Beverly H. Lorell**  
Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA and University of California San Diego, La Jolla, CA

Sighting atoms and other adventures in Lilliput

**Morton F. Arnsdorf**, University of Chicago, Chicago, IL

Gene therapy for cardiac arrhythmias: a strategic plan

**Eduardo Marban**  
Institute of Molecular Cardiobiology, The Johns Hopkins University, Baltimore, MD

Transmural reentry during acute global ischemia and reperfusion in canine ventricular muscle

J. Wu, and **Douglas P. Zipes**, Indiana University School of Medicine, Indianapolis, IN

Ventricular fibrillation – modifying electrical restitution as a therapeutic paradigm

**James N. Weiss**, A. Garfinkel, and P-S. Chen, UCLA School of Medicine and Cedars-Sinai Medical Center, Los Angeles, CA

New understanding of atherogenesis (clinically and experimentally) with evolving MRI technology *in vivo*

**Valentin Fuster**, Z.A. Fayad, R. Corti, and J.J. Badimon Mount Sinai Medical Center, New York, NY

Studies in the detection of graded coronary stenosis by MCE

**Anthony N. DeMaria**, H. Masugahti, and S. Lafitte University of California at San Diego, San Diego, CA

RECEPTON AND DINNER (black tie)  
Island House

**Friday, January 12, 2001 – 8:15 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Gene expression profiling of animal models for cardiomyopathy and human congenital heart diseases

M. Schinke, C-H. Yo, B.Y. Reis, A. Butte, P. Jay, T. Shioi, I.S. Kohane, and **Seigo Izumo**, Beth Israel Deaconess Medical Center, Harvard Medical Center, Brookline, MA

Outcomes 15 years after valve replacement with a mechanical *versus* a bioprosthetic valve: final report of the Veterans Administration randomized trial

**Shahbudin H. Rahimtoola**, G.K. Sethi, W.G., Henderson, F.L. Grover, C. Oprian, K. Hammermeister (for the participants in the VA Cooperative Study on Valvular Heart Disease), Keck School of Medicine at USC, Los Angeles, CA; Tucson VA Medical Center, Tucson, AZ; Hines VA Medical Center, Hines, IL; Denver VA Medical Center, Denver, CO

Sympathetic and coronary vascular effects of short-term passive smoke exposure in humans

**Michael Winniford**, M. Hausberg, A. Mark, R. Brown, J. Rossen, V. Somers, University of Iowa, Iowa City, IA

Cocaine-related myocardial ischemia and infarction: pathophysiology and management

**L. David Hillis**, University of Texas Southwestern Medical Center, Dallas, TX

Chronic effects of vasopressin receptor blockade with tolvaptan in congestive heart failure: a randomized, double-blind trial

**Mihai Gheorghiu**, I. Niazi, J. Ouyang, F. Czerwiec, J-I. Kambayashi, C. Orlandi, Northwestern University, Chicago, IL; Wisconsin Center for Clinical Research, Milwaukee, WI; and Otsuka America Pharm, Rockville, MD

Diastolic heart failure: is measurement of left ventricular diastolic function necessary to make the diagnosis?

**William H. Gaasch**, M.R. Zile, J.D. Carroll, M.D. Feldman, G.P. Aurigemma, G.L. Schaer, J.K. Ghali, and P.R. Liebson, Lahey Clinic, Burlington, MA

**Forty-first Annual Meeting of the Association of University Cardiologists  
The Ritz Carlton, Phoenix, Arizona  
January 10-11, 2002  
Officers, 2001-2**

President	Joel S. Karliner
Vice President	Donald D. Heistad
Secretary-Treasurer Lin	da Demer
Council Members:	
One year term	R. Sanders Williams, (past president)
Eliza	beth Nabel
	George W. Vetrovec
	Arthur M. Feldman

**Wednesday, January 9, 2002 – 6:30 – 8:00 PM**

Reception, Upper Pool Deck

**Thursday, January 10, 2002 – 8:45 AM**

**President's Program**

PRESIDENT'S LECTURE

**A Good Fat? Sphingolipids and Cardioprotection**

Joel S. Karliner, M.D., Professor of Medicine, University of California, San Francisco;  
Associate Chief of Medicine for Research, San Francisco VA Medical Center

FEATURED LECTURE

**Peptide Regulators or Protein Kinase C for Cardiac Ischemia: A Therapeutic Opportunity?**

Daria Mochly Rosen, Ph.D., Professor and Chief, Division of Chemical Biology  
Department of Molecular Pharmacology, Stanford University

The 15<sup>th</sup> George Burch Memorial Lecture

**Amazing Forms: The Risks and Benefits of Genetic Enhancement**

David J. Rothman, Ph.D., Professor of Social Medicine, Columbia College of Physicians and Surgeons

**Thursday, January 10, 2002 – 1:00 PM**

Introduction of New Members

C. William Balke  
Jeffrey Bender  
Jeffrey Borer  
Pamela Douglas

Mark Fishman  
Raymond Gibbons  
Augustus Grant  
Daniel Kelly

Andrew Marks  
Barry Massie  
Michael Schneider  
Douglas Vaughan  
David Waters

**First Scientific Session**

Why study the myriad of spontaneous mutations of ion channel genes?

**Augustus O. Grant**, Duke University Medical Center, Durham, NC

The biology of regurgitant valvular disease: Molecular and cellular basis of clinical debility

**Jeffrey S. Borer**, Weill Medical College of Cornell University, New York, NY

Control of energy metabolism in the developing and diseased heart by their PPAR gene regulatory complex

**Daniel P. Kelly**, Center for Cardiovascular Research, Washington University School of Medicine, St. Louis, MO

Genetic dissection of cardiac growth cascades

**Michael D. Schneider**, The Center for Cardiovascular Development, Baylor College of Medicine, Houston, TX

Reperfusion therapy in acute myocardial infarction – The use of TC 99M sestamibi spect perfusion imaging in clinical studies that replicate the findings of animal models

**Raymond J. Gibbons**, Mayo Clinic and Mayo Foundation, Rochester, MN

Carotid artery intima-media thickness (IMT) associated with multiple risk factors as an indication of systematic atherosclerotic vascular disease: The Bogalusa Heart Study

**Gerald S. Berenson**, Tulane University School of Public Health, New Orleans, LA

The seminal contributions of coronary angiography over five decades

**Thomas J. Ryan**, Boston University School of Medicine, Boston, MA

Genetic manipulation of molecular determinants of baroreceptor activity

**Francois M. Abboud**, University of Iowa College of Medicine, Iowa City, IA

Can the benefits of cholesterol lowering with statins be extended beyond the current guidelines?

**David Waters**, University of California at San Francisco

RECEPTION AND DINNER (black tie)  
Pool Deck – Salon I

**Friday, January 11, 2002 – 8:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Improved outcomes for women undergoing contemporary percutaneous coronary intervention

**Alice K. Jacobs**, Boston University Medical Center, Boston, MA

PAI-I, arteriosclerosis and coronary thrombosis: Insights from genetically-modified mice

**Douglas E. Vaughan**, Vanderbilt University Medical Center, Nashville, TN

Effects of estrogen on endothelial activation

**Jeffrey R. Bender**, Yale University School of Medicine

Aortic dissection – A call to arms

**Kim Eagle**, University of Michigan Medical Center, Ann Arbor, MI

Cardiac growth and hypertrophy: Calcium-regulated signaling mechanisms

**R. Sanders Williams**, Duke University School of Medicine, Durham, NC

Oxidative signals in atherosclerosis

**Marschall Runge**, University of North Carolina at Chapel Hill, Chapel Hill, NC

Glucose-6-phosphate dehydrogenase deficiency: Extra-erythrocytic vascular oxidative stress and endothelial dysfunction

**Joseph Loscalzo**, Boston University School of Medicine

Effects of estrogen on intracellular calcium in ventricular myocytes subjected to metabolic inhibition

**William H. Barry**, University of Utah School of Medicine



**Forty-second Annual Meeting of the Association of University Cardiologists  
Carmel Valley Ranch, Carmel, CA  
January 8-10, 2003  
Officers, 2002-3**

President Don	ald Heistad
Vice President	George Vetrovec
Secretary-Treasurer Lin	da Demer
Council Members:	
One year term	Joel S. Karliner, (past president)
David	Harrison
Micha	el Crawford
Arthur	Feldman

**Wednesday, January 8, 2003 – 6:30 – 8:00 PM**

Reception, Courtyard Terrace

**Thursday, January 9, 2003 – 8:45 AM**

**President's Program**

PRESIDENT'S LECTURE

**Gene Transfer to Blood Vessels: Application for Vascular Biology and Therapy**

Donald D. Heistad, M.D., UI Foundation Distinguished Professor of Internal Medicine and Pharmacology  
Director, Cardiovascular Division, University of Iowa

FEATURED LECTURE

**Molecular Basis of Muscular Dystrophy and Associated Cardiomyopathy**

Kevin P. Campbell, Ph.D., Investigator, Howard Hughes Medical Institute  
Professor and Interim Head, Department of Physiology and Biophysics  
University of Iowa

The 17<sup>th</sup> George Burch Memorial Lecture

**Cardiology: The Past, The Present, and the Future**

Eugene Braunwald, M.D., Chief Academic Officer, Partners HealthCare System  
Distinguished Hersey Professor of Medicine and Faculty Dean for Academic Programs  
Harvard Medical School

**Thursday, January 9, 2003 – 1:00 PM**

Introduction of New Members

Ivor J. Benjamin  
Patrice Delafontaine  
Pascal J. Goldschmidt-Clermont  
Carlin S. Long

Francis E. Marchlinski  
Thomas M. Michel  
E. Magnus Ohman

**First Scientific Session**

Gene therapy to protect the ischemic myocardium

**Roberto Bolli**, Division of Cardiology, University of Louisville, Louisville, KY

Functional muscle ischemia as a cause of Duchenne muscular dystrophy

**Ronald G. Victor**, Division of Hypertension, University of Texas Southwestern Medical Center, Dallas, TX

New pathways in endothelial nitric oxide synthase signal transduction

**Thomas Michel**, Cardiovascular Division, Brigham and Women's Hospital, Boston, Ma

Aging: Is it just the passage of time?

**Pascal J. Goldschmidt-Clermont**, Division of Cardiology, Duke University Medical Center, Durham, NC

Calcium release channel complexes, heart failure and arrhythmias

**Andrew Marks**, Center for Molecular Cardiology, Columbia University College of Physicians & Surgeons, New York, NY

HSF1 regulatory pathway: Implications for cardiac adaptation and redox homeostasis in mice

**Ivor Benjamin**, Molecular Cardiology Research Laboratory, University of Texas Southwestern Medical Center, Dallas, TX

HDAC-dependent repression of the skeletal actin promoter requires recruitment by the bifunctional regulator Yin Yang-1: Insights into interleukin 1-dependent transcriptional regulation of the cardiac myocyte-specific gene program

**Carlin S. Long**, Cardiology Section, University of Colorado, Denver, CO

RECEPTION AND DINNER (black tie)  
Golf Clubhouse

**Friday, January 10, 2003 – 8:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Individualizing coronary risk assessment: Integrating carotid intima media thickness measurements to estimate vascular age with national cholesterol education program risk assessment

**Pamela Douglas**, University of Wisconsin, Madison Medical Center, Madison, WI

Leptin, obesity and cardiovascular disease: An update for cardiologists

**Allyn Mark**, Associate Dean for Research, University of Iowa College of Medicine, Iowa City, IA

Troponin testing in acute coronary syndrome

**E. Magnus Ohman**, Division of Cardiology, The University of North Carolina at Chapel Hill, Chapel Hill, NC

Oxidized LDL regulation of the vascular smooth muscle cell insulin-like growth factor-1 system: Implications for plaque stability

**Patrice Delafontaine**, Division of Cardiovascular Diseases, University of Kansas Medical Center, Kansas City, KS

A critical role for PPAR $\alpha$ -mediated lipotoxicity in the pathogenesis of diabetic cardiomyopathy: Modulation of phenotype by dietary fat content

**Daniel Kelly**, Center for Cardiovascular Research, Washington University School of Medicine, St. Louis, MO

**Forty-third Annual Meeting of the Association of University Cardiologists  
The Resort at Longboat Key Club, Longboat Key, FL  
January 7-9 , 2004  
Officers, 2003-4**

President George	Vetrovec
Vice President	Linda Demer
Secretary-Treasurer	David G. Harrison
Council Members:	
One year term	Donald Heistad, (past president)
Micha	el Crawford
Ron	ald Victor
Pe	ter Libby

**Wednesday, January 7, 2004 – 6:30 – 8:00 PM**

Reception, Barefoots/Poolside

**Thursday, January 8, 2004 – 8:45 AM**

**President's Program**

The 18<sup>th</sup> George Burch Memorial Lecture  
**Fast Moving Technology and Other Challenges in Health Care Delivery**  
Mr. John Abele, Founder of Boston Scientific Corporation  
Boston, MA

FEATURED LECTURE

**Medical Device Development: The FDA Perspective**  
Dr. Bram Zuckerman, Director, DDA Division of Cardiovascular Devices  
Center for Devices and Radiological Health  
Rockville, MD

PRESIDENT'S LECTURE

**Percutaneous Coronary Intervention vs. Bypass Surgery: Current Status**  
George W. Vetrovec, M.D., Chairman, Division of Cardiology, Medical College of Virginia Campus  
Virginia Commonwealth University

**Thursday, January 8, 2004 – 1:00 PM**

Introduction of New Members

John Canty  
Glenn Fishman  
Joseph Hill  
Virend Somers

Greg Schwartz  
Prediman K. Shah  
Michael Zile

First Scientific Session  
Troponin testing in acute coronary syndrome

**E. Magnus Ohman**, M.D., Cardiology Division,  
University of North Carolina at Chapel Hill, Chapel Hill,  
NC

Early plaque stabilization with statins after acute  
coronary syndromes

**Gregory G. Schwartz**, M.D., Ph.D., Cardiology Section,  
VA Medical Center and University of Colorado Health  
Sciences Center, Denver, CO

Hibernating myocardium – Chronically adapted to  
ischemia but vulnerable to sudden cardiac death

**John M. Canty, Jr.**, M.D., Division of Cardiology,  
University of Buffalo, NY

Immuno-modulation of atherosclerosis with a vaccine  
incorporating ApoB100-related peptide sequence

**Prediman K. Shah**, M.D., Division of Cardiology and  
Atherosclerosis Research Center, Cedars-Sinai Medical  
Center, Los Angeles, CA

Hypertrophic heart disease: Mechanisms of structural,  
functional, and electrical remodeling

**Joseph A. Hill**, M.D., Ph.D., Cardiovascular Division,  
University of Texas Southwestern Medical Center,  
Dallas, TX

Diastolic heart failure: Pathophysiology & ECM-dependent mechanisms

**Michael R. Zile**, M.D., Division of Cardiology, Medical University of South Carolina, Charleston, SC

Detection of non-critical coronary stenosis at rest without recourse to stress: A clinical study using myocardial contrast echocardiography

**Sanjiv Kaul**, M.D., Division of Cardiology, University of Virginia School of Medicine, Charlottesville, VA

RECEPTION AND DINNER (black tie)  
Harbourside Dining Room

**Friday, January 9, 2004 – 8:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Cardiac excitability and arrhythmogenesis

**Glenn I. Fishman**, M.D., Division of Cardiology, New York University School of Medicine, New York, NY

Metabolic syndrome risk factors at low levels in childhood is beneficially associated with adulthood cardiovascular risk: The Bogalusa Heart Study

**Gerald S. Berenson**, M.D., National Center for Cardiovascular Health, Tulane University School of Public Health, New Orleans, LA

PPAR $\alpha$  signaling in the protection against cardiac lipotoxicity

**Daniel P. Kelly**, M.D., Center for Cardiovascular Research, Washington University School of Medicine, St. Louis, MO

Systolic and diastolic dysfunction in heart failure? Time for a new paradigm

**Marvin A. Konstam**, M.D., Cardiology Division, Tufts – New England Medical Center, Boston, MA

The changing epidemiology and natural history of nonvalvular atrial fibrillation: Clinical implications

**Bernard J. Gersh**, M.D., Cardiology Division, Mayo Clinic, Mayo Foundation, Rochester, MN

**Forty-fourth Annual Meeting of the Association of University Cardiologists**  
**The Ritz-Carlton Hotel, Phoenix, AZ**  
**January 12-14, 2005**  
**Officers, 2004-5**

President Lin	da Demer
Vice President	Michael Crawford
Secretary-Treasurer	David G. Harrison
Council Members:	
One year term	George Vetrovec, (past president)
Pe	ter Libby
Ron	ald Victor
Blasé	Carabello

**Wednesday, January 12, 2005 – 6:30 – 8:00 PM**

Reception, Pool Deck

**Thursday, January 13, 2005 – 8:45 AM**

**President's Program**

The 19<sup>th</sup> George Burch Memorial Lecture  
**Nanocardiology**  
 Denis Buxton, Ph.D.  
 Associate Program Director, Heart Research Program  
 Division of Heart and Vascular Diseases  
 NHLBI

FEATURED LECTURE  
**Cardiovascular Chaos**  
 Alan Garfinkel, Ph.D.  
 Professor, Division of Cardiology  
 UCLA School of Medicine

PRESIDENT'S LECTURE  
**Vascular Stem Cells in Calcification**  
 Linda L. Demer, M.D., Ph.D.  
 Professor of Medicine and Physiology  
 Vice Chair of Vascular & Cardiovascular Medicine  
 UCLA School of Medicine

**Thursday, January 13, 2005 – 1:00 PM**

Introduction of New Members

Kenneth Baughman  
 David Holmes  
 Richard Kitsis  
 Richard Page  
 David Pinsky  
 Michael Simons  
 Mark Taubman  
 James Udelson

David Gutterman  
 David Kass  
 Elizabeth McNally  
 Cam Patterson  
 Christine Seidman  
 Peter Snyder  
 Gordon Tomaselli  
 David Wilber

**First Scientific Session**

Sleep apnea, arrhythmias and sudden cardiac death

**Virend K. Somers**, M.D., Ph.D., Department of Internal Medicine, Mayo Clinic, Rochester, MN

Wide pulse pressure and cardiovascular mortality  
 coronary syndromes

**Mario R. Garcia-Palmieri**, M.D., Department of Medicine & Adult Cardiology Section, University of Puerto Rico School of Medicine, San Juan, PR

Synectin gene disruption produces global vascular defects that associate with impaired cardiac function in adult mice

**Michael Simons**, M.D., Angiogenesis Research Center and Section of Cardiology, Dartmouth Medical School, Lebanon, NH

Epithelial sodium channel regulation by Nedd4-2, an E3 ubiquitin-protein ligase: Role in sodium homeostasis and defects in hypertension

**Peter M. Snyder**, M.D., Depts. of Internal Medicine and Physiology and Biophysics, University of Iowa Carver College of Medicine, Iowa City, IA

Atrial fibrillation and stroke – New frontiers

**David R. Holmes, Jr.**, M.D., Mayo Medical School, Saint Marys Hospital/Mayo Clinic, Rochester, MN

Flow-mediated vasodilation in the human heart: Harnessing oxidative stress of disease for a physiological purpose

**David D. Gutterman**, M.D., Department of Medicine and Cardiovascular Center, Medical College of Wisconsin, Milwaukee, WI

Automated external defibrillators aboard commercial aircraft

**Richard L. Page**, M.D., Division of Cardiology, University of Washington, Seattle, WA

RECEPTION AND DINNER (black tie)  
Pool Deck / Salon II

**Friday, January 14, 2005 – 8:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Electrical remodeling in the failing heart

**Gordon F. Tomaselli**, M.D., Division of Cardiology, Johns Hopkins University, Baltimore, MD

Novel mechanisms for regulation of cardiac hypertrophy via ubiquitin-dependent proteolysis

**Cam Patterson**, M.D., Carolina Cardiovascular Biology Center, University of North Carolina at Chapel Hill, NC

Diagnosis of myocarditis: Death of the Dallas criteria

**Kenneth L. Baughman**, M.D., Division of Cardiology, Brigham and Women's Hospital, Boston, MA

Chronic cGMP-phosphodiesterase 5A inhibition prevents and reverses cardiac hypertrophy independent of systolic load

**David A. Kass**, M.D., Division of Cardiology, Johns Hopkins Medical Institution, Baltimore, MD

Transplanted bone marrow-derived stem cells demonstrate impaired differentiation in cardiac and skeletal muscle

**Elizabeth M. McNally**, M.D., Division of Cardiology, The University of Chicago, Chicago, IL

Abstracts to be presented if time permits:

Potential methods to detect and treat vulnerable plaques

**James E. Muller**, M.D., CIMIT Vulnerable Plaque Program, Massachusetts General Hospital, Harvard Medical School, Boston, MA

Aging and the cardiovascular risk factor burden influences "silent" cardiovascular disease beginning in early life: The Bogalusa Heart Study

**Gerald S. Berenson**, M.D., Tulane Center for Cardiovascular Health, Tulane Health Sciences Center, New Orleans, LA

**Forth-fifth Annual Meeting of the Association of University Cardiologists  
Carmel Valley Ranch, Carmel, CA  
January 11-13, 2006  
Officers, 2005-6**

President Micha	el Crawford
Vice President	Peter Libby
Secretary-Treasurer	David G. Harrison
Council Members:	
One year term	Linda Demer, (past president)
Ron	ald Victor
Blasé	Carabello
Augustus	Grant

**Wednesday, January 11, 2006**

2:00 PM – 5:00 PM	Council Meeting Exec utive Boardroom
3:00 PM – 5:00 PM	Emeritus Forum Rooms G & H
6:00 PM – 8:00 PM	<b>Reception</b> Court yard

**Thursday, January 12 , 2006 – 8:45 AM**

**President's Program**

The 20<sup>th</sup> George Burch Memorial Lecture  
**Inside the Beating Ventricle: Confluence, Separation and Efficiency**  
Ann F. Bolger, M.D., FAHA  
William Watt Kerr Professor of Clinical Medicine  
University of California, San Francisco

FEATURED LECTURE

**Into Another Dimension: Pushing Embryonic Imaging to 4D**  
Paul M. Kulesa, Ph.D., Assistant Professor and Director of Imaging  
Stowers Institute for Medical Research  
Kansas City, MO

PRESIDENT'S LECTURE

**Response of the Left Ventricle to Exercise**  
Michael H. Crawford, M.D., Professor of Medicine  
Lucie Stern Chair in Cardiology, Chief of Clinical Cardiology, UCSF Medical Center  
San Francisco, CA

**Thursday, January 12, 2006 – 1:00 PM**

Introduction of New Members

William Abraham	David Hayes
Elliott Antman	Kirk Knowlton
Steven Bergmann	Bruce Liang
George Dec	Barry London
Mark Estes	Michael Mendelsohn

First Scientific Session

Pathological remodeling and reversal of remodeling in heart failure: effects of cardiac resynchronization therapy

**William T. Abraham**, M.D., Division of Cardiovascular Medicine, The Ohio State University, Columbus, OH

Genetic causes of caridac hypertrophy

**Christine Seidman**, M.D., Cardiovascular & Genetics Center, Brigham & Women's Hospital, Boston, MA

Noninvasive diagnosis of myocarditis

**G. William Dec**, M.D., Cardiology Division, Massachusetts General Hospital, Boston, MA

Are the risk factors for medial sclerosis (aortic stiffness and high pulse pressure) the same as those for coronary heart disease? Charleston Heart Study, Evans County Study, NHANES I and II Studies

**Peter C. Gazes**, M.D., Division of Cardiology, Medical University of South Carolina, Charleston, SC

Cyclooxygenase Inhibition and cardiovascular risk

**Elliott M. Antman**, M.D., Brigham & Women's Hospital  
Harvard Medical School, Boston, MA

Rationale and outcome of linear scar border ablation for  
postinfarction ventricular tachycardia

**David J. Wilber**, M.D., Division of Cardiology , Loyola  
University Chicago, Maywood, IL

Sodium channel variants: From rare genetic disorders to  
heart failure

**Barry London**, M.D., Ph.D., Cardiovascular Institute  
University of Pittsburgh Medical Center, Pittsburgh, PA

RECEPTION AND DINNER (black tie)  
Golf Club

**Friday, January 13, 2006 – 8:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

ARC, a critical regulator of cell death in terminally  
differentiated and cancer cells

**Richard N. Kitsis**, M.D., Cardiovascular Research  
Center, Albert Einstein College of Medicine, Bronx, NY

A cardiac physiologic role of the cell-surface receptor for  
extracellular ATP

**Bruce T. Liang**, M.D., University of Connecticut Health  
Center, Cardiology Department, Farmington, CT

Molecular mechanisms regulating vascular smooth  
muscle cell tone and blood pressure

**Michael E. Mendelsohn**, M.D., Cardiology & Medicine,  
Tufts University School of Medicine, Boston, MA

Metabolic imaging with  $\beta$ -methyl-p-[123I]-Iodophenyl-  
pentadecanoic acid identifies ischemic memory after  
demand ischemia

**James E. Udelson**, M.D., Division of Cardiology, Tufts  
University School of Medicine, Boston, MA

Endogenous biological gases in the heart and lungs

**David J. Pinsky**, M.D., Cardiovascular Medicine,  
University of Michigan Health System, Ann Arbor, MI



**Forty-sixth Annual Meeting of the Association of University Cardiologists  
The Renaissance Vinoy Resort and Golf Club  
St. Petersburg, Florida  
January 10-12, 2007  
Officers, 2006-7**

President Peter	Libby
Vice President	David Harrison
Secretary-Treasurer	Ronald G. Victor
Council Members:	
One year term	Michael Crawford, (past president)
Augustus	Grant
Alice	Jacobs
Blasé	Carabello

**Wednesday, January 10, 2007**

2:00 PM – 5:00 PM	Council Meeting	Taylor Meeting Room
3:00 PM – 5:00 PM	Emeritus Forum	Plaza AB Room
6:00 PM – 8:00 PM	<b>Reception</b>	Mezzanine/Terrace

**Thursday, January 11, 2007 – 8:45 AM**

**President's Program**

The 21st George Burch Memorial Lecture  
**Genomic Medicine and Cardiovascular Disease**  
Elizabeth G. Nabel, M.D., Director  
National Heart, Lung, and Blood Inst.  
Bethesda, MD

FEATURED LECTURE  
**Cardiovascular Molecular Imaging**  
Robert Balaban, Ph.D., Principal Investigator  
Lab of Cardiac Energetics, NHLBI  
Bethesda, MD

PRESIDENT'S LECTURE  
**The Molecular Basis of the Acute Coronary Syndromes**  
Peter Libby, M.D., Chief, CV Division  
Brigham & Women's Hosp.  
Mallinckrodt Professor of Medicine  
Harvard Medical School  
Boston, MA

**Thursday, January 11, 2007 – 1:00 PM**

Introduction of New Members

Robert Califf  
Mandeep Mehra  
Arshed Quyyumi

Jamie Conti  
Richard Lange  
Marc Pfeffer

**First Scientific Session**

Isolation, expansion and delivery of cardiac derived stem cells in a porcine model of myocardial infarction

**Richard Lange**, M.D., Professor of Medicine  
Vice Chief, Cardiology Division, Johns Hopkins  
University School of Medicine

Cardiac resynchronization therapy: Can we make our heart failure patients smarter?

**Jamie B. Conti**, M.D., Associate Prof. of Medicine  
University of Florida College of Medicine

Endothelial cell dysfunction and repair in humans

**Arshed A. Quyyumi**, M.D., Professor of Medicine  
Emory University

New approaches to translational research: Lesson from myocardial infarction

**Marc A. Pfeffer**, M.D., Ph.D., Prof. of Medicine, Brigham and Women's Hospital

Assessment of metabolism in the human heart

**Steven R. Bergmann**, M.D., Ph.D., Professor of Medicine and Nuclear Medicine, Beth Israel Medical Center

Evidence for individual vulnerability to ventricular fibrillation produced by chest wall impact (*Commotio Cordis*)

**N. A. Mark Estes II**, M.D., Prof. of Medicine  
Tufts New England Medical Center

Changes in hemodynamic parameters from childhood to adulthood in a biracial (black-white) population – A crossover phenomenon: The Bogalusa Heart Study

**Gerald S. Berenson**, M.D., Emeritus Boyd Professor  
LSU Medical Center, Director, National Center for Cardiovascular Health-Tulane University School of Public Health

RECEPTION AND DINNER (black tie)  
Plaza Ballroom

**Friday, January 12, 2007 – 8:00 AM**

Business meeting

Election of officers

Memorial Tributes

Second Scientific Session

Circulating and non-circulating forms of tissue factor mediate cardiovascular disease

**Mark B. Taubman**, M. D., Professor of Medicine  
Chair of Cardiology & Director CCMC  
University of Rochester  
Center for Cellular and Molecular Cardiology

Evaluating cardiac fellows: a survey of cardiology trainers and suggestions for improving the process

**James Scheuer**, M. D., Professor and Chairman  
Emeritus of Medicine, Albert Einstein College of Medicine, Dept. of Med.

Effects of nitroglycerin on erythrocyte rheology and oxygen unloading: Novel role of s-nitrosohemoglobin in relieving myocardial ischemia

**Sanjiv Kaul**, M.D., Chief, Cardiovascular Medicine,  
Oregon Health & Science University

Efficacy of angiotensin receptor blockade in slowing progression of early cardiovascular disease

**Jay N. Cohn**, M.D., Professor of Medicine  
University of Minnesota Medical School

Changes in hemodynamic parameters from childhood to adulthood in a biracial (black-white) population – a crossover phenomenon: The Bogalusa Heart Study

**Gerald S. Berenson**, M.D., Emeritus Boyd Professor  
LSU Medical Center, Director, National Center for Cardiovascular Health-Tulane University School of Public Health

Prevention and reversal of cardiac hypertrophic remodeling and dysfunction by tetrahydrobiopterin therapy

**David A. Kass**, M. D.  
Professor of Medicine and Biomedical Engineering  
The Johns Hopkins University School of Medicine

## AUC Officers 2008-9

President

**BLASE CARABELLO, M.D.**

Houston Veterans Affairs Medical Center

Vice President

**ALICE K. JACOBS, M.D.**

Boston University School of Medicine

Secretary-Treasurer

**RONALD G. VICTOR, M.D.**

University of Texas Southwestern Medical Center

Councilors

**DAVID G. HARRISON, M.D.**

Emory University School of Medicine

**KIM EAGLE, M.D.**

University of Michigan Medical Center

**ELIZABETH McNALLY, M.D.**

The University of Chicago

**AUGUSTUS O. GRANT, M.D., Ph.D.**

Duke University Medical Center



# PROGRAM AND ABSTRACTS

Association of University Cardiologists  
Forty-Eighth Annual Meeting  
Carmel Valley Ranch  
Carmel, California

January 7 – 9, 2009

2009

**2009 AUC ANNUAL MEETING  
PROGRAM**

**Wednesday, January 7, 2009**

2:00 PM – 5:00 PM Council Meeting – The Birch Room  
 3:00 PM – 5:00 PM Emeritus Forum – Arbor Ballroom C & D  
 6:00 PM – 8:00 PM **Reception – Arbor  
 Ballroom/Courtyard/Terrace**

**Thursday, January 8, 2009**

7:45 AM – 8:45 AM Continental Breakfast – Arbor Courtyard

**8:45 AM – 12:00 PM** **The President's Program - Arbor Ballroom**  
 8:45 – 9:45 **THE 23<sup>rd</sup> GEORGE BURCH MEMORIAL  
 LECTURE**  
*Adventures in Cardiovascular Research*  
**Eugene Braunwald, M.D.**, Harvard Medical  
 School

9:45 – 10:30 **FEATURED LECTURE**  
*Nanotechnology: Applications in the Diagnosis  
 and Treatment of Cardiovascular Disease*  
**Steven Bailey, M.D.**, UT Health Science Center  
 at San Antonio

10:30 – 11:00 Break

11:00 – 11:45 **PRESIDENT'S LECTURE**  
*Valvular Heart Disease: Nature's Experiments  
 in Left Ventricular Hypertrophy*  
**Blase A. Carabello, M.D.**, Houston Veterans  
 Affairs Medical Center

11:45 – 12:00 Discussion

12:00 – 1:00 Lunch – Arbor **Courtyard**

**1:00 – 5:10 First Scientific Session – Ballroom A**

1:00 – 1:05 Introduction of New Members in Attendance:

Emelia Benjamin	Peng-Sheng Chen
Daniel Garry	David Hayes (2005)
John Keaney	Benjamin Levine
Michael Mendelsohn	David Moliterno
(2005)	
Lynne Stevenson	William Stevenson
Anne Taylor	



**2009 AUC ANNUAL MEETING  
PROGRAM**

**Thursday, January 8, 2009, cont.**

1:05 – 1:35 *Suppression of the JNK Pathway by Induction of a  
 Metabolic Stress Response Prevents Vascular Injury and  
 Dysfunction*  
**John F. Keaney, Jr., M.D.**, Professor of Medicine, Chief,  
 Division of Cardiovascular Medicine, U Mass Medical  
 School and U Mass Memorial Health Care

1:35 – 2:05 *A Platelet Thrombin Receptor-1 Antagonist for Patients  
 Undergoing Non-urgent Percutaneous Coronary  
 Intervention*  
**David J. Moliterno M.D.**, Professor & Vice Chair of  
 Medicine; Chief, Cardiovascular Medicine  
 University of Kentucky School of Medicine

2:05 – 2:35 *A Tale of Two Trials: CONSENSUS and A-HeFT*  
**Anne L. Taylor, M.D.**, John Lindenbaum Professor of  
 Medicine, Vice Dean for Academic Affairs, Columbia  
 University Medical Center

2:35 – 3:05 *"Aging, Fitness and Failure": Effects of Age and Physical  
 Activity on Cardiovascular Structure and Function*  
**Benjamin D. Levine, M.D.**, Professor of Medicine,  
 Director, Institute for Exercise and Environmental  
 Medicine, Presbyterian Hospital of Dallas, and UT  
 Southwestern Medical Center

3:05 – 3:20 Break

3:20 – 3:50 *Cardiac Resynchronization Therapy: Current Status and  
 Role of Imaging*  
**David Hayes, M.D.**, Professor of Medicine, Mayo Clinic

3:50 – 4:20 *Development of a Risk Score for Atrial Fibrillation in the  
 Community; The Framingham Heart Study*  
**Emilia J. Benjamin, M.D.**, Professor of Medicine, Boston  
 University School of Medicine; Professor of Epidemiology,  
 Boston University School of Public Health  
 Director, Echocardiography Laboratory , The Framingham  
 Heart Study



**2009 AUC ANNUAL MEETING  
PROGRAM**

**Thursday, January 8, 2009, cont.**

4:20-4:50 *Neural Mechanisms of Paroxysmal Atrial Fibrillation and Paroxysmal Atrial Tachycardia in Ambulatory Canines<sup>1</sup>*  
**Peng-Sheng Chen**, M.D., Medtronic Zipes Chair in Cardiology, Director, Krannert Institute of Cardiology, Chief, Division of Cardiology, Department of Medicine, Indiana University School of Medicine

**4:50 PM Adjourn for the day**

**7:00 PM – 11:00 PM RECEPTION AND DINNER (BLACK TIE)**

7:00 – 8: 00 Reception **Golf Club House & Patio**

8:00 – 11:00 Dinner **Golf Club House & Patio**

**Friday, January 9, 2009**

7:30 AM – 8:00 AM Continental breakfast – **Arbor Courtyard**

**8:00 AM – 9:00 AM Business Meeting – Arbor Ballroom**

Memorial Minutes  
Election of New Members  
Election of Officers  
Other New Business

**9:00 AM – 12:00 PM Second Scientific Session Arbor Ballroom**

9:00 – 9:30 *Nkx2-5 transactivates Etsrp71 and specifies the endocardial lineage in the developing heart*  
**Daniel J. Garry**, M.D., Professor of Medicine  
Director, Lillehei Heart Institute  
Director, Cardiovascular Division, University of Minnesota



**2009 AUC ANNUAL MEETING  
PROGRAM**

9:30 – 10:00 *Can We ESCAPE From Congestion?*  
**Lynne Warner Stevenson**, M.D., Associate Professor of Medicine; Clinical Director, Cardiomyopathy and Heart Failure Program; Brigham & Women's Hospital

10:00 – 10:30 Break

10:30 – 11:00 *Ventricular Scars and Ventricular Tachycardia*  
**William G. Stevenson**, M.D., Professor of Medicine, Harvard Medical School  
Director, Clinical Cardiac Electrophysiology Program, Brigham and Women's Hospital

11:00 – 11:30 *Molecular Mechanisms Regulating Vascular Tone and Blood Pressure*  
**Michael Mendelsohn**, M.D. Elisa Kent Mendelsohn  
Professor of Molecular Cardiology & Medicine  
Tufts University School of Medicine

11:30 – 12:00 *Adenosine Receptors and Heart Failure – New Insights from Transgenic Models*  
**Arthur E. Feldman**, M.D., Ph.D., Magee Professor and Chairman, Department of Medicine, Jefferson Medical College

**Adjourn**

**Read Only Abstracts** *Remote testing of cardiac examination competency in faculty cardiologists*  
John Michael Criley MD, Jasminka M. Vukanovic-Criley MD, Arsen Hovanesyan MD, Stuart Ross Criley MBA, Thomas Ryan MD, Gary Plotnick MD, Keith Mankowitz MD, and C. Richard Conti MD

*Pathophysiology of aortic valvular stenosis*  
Donald D. Heistad, Jordan Miller, and Robert M. Weiss;  
University of Iowa Carver College of Medicine, Iowa City, IA

*Can the whale and the elephant help us to understand obesity and high blood pressure in the Bogalusa Heart Study?*  
Gerald S. Berenson, Tulane Center of CV Health, New Orleans, LA



### Suppression of the JNK Pathway by Induction of a Metabolic Stress Response Prevents Vascular Injury and Dysfunction

Eberhard Schulz, Jörn Dopheide, Swenja Schuhmacher, Shane R. Thomas, Kai Chen, Andreas Daiber, Philip Wenzel, Thomas Münzel, and John F. Keaney Jr  
University of Massachusetts Medical School, Worcester, MA, 01655

Oxidative injury and dysfunction of the vascular endothelium is an early and causal feature of many vascular diseases and single antioxidant strategies to prevent vascular injury have met with mixed results. Here we report that induction of a metabolic stress response with AMP kinase prevents oxidative endothelial cell injury. This response is characterized by stabilization of the mitochondrion and increased mitochondrial biogenesis resulting in attenuation of oxidative c-Jun N-terminal kinase (JNK) activation. We report that peroxisome proliferator coactivator 1 $\alpha$  (PGC-1 $\alpha$ ) is a key downstream target of AMPK that is both necessary and sufficient for the metabolic stress response and JNK attenuation. Moreover, induction of the metabolic stress response *in vivo* attenuates ROS-mediated JNK activation and endothelial dysfunction in response to angiotensin II in wild-type mice, but not animals lacking either the endothelial isoform of AMPK or PGC-1 $\alpha$ . These data highlight AMPK and PGC-1 $\alpha$  as potential therapeutic targets for the amelioration of endothelial dysfunction and, as a consequence, vascular disease.



### A platelet thrombin receptor-1 antagonist for patients undergoing non-urgent percutaneous coronary intervention

David J. Moliterno, MD for the TRA-PCI Investigators

**Background:** There is an unmet need for antithrombotic therapy that safely reduces cardiovascular events among patients undergoing percutaneous coronary intervention (PCI). We evaluated the tolerability and safety of SCH 530348—a high-affinity, orally active, competitive antagonist of the platelet thrombin receptor (PAR-1).

**Methods:** Patients undergoing non-urgent PCI or coronary angiography with planned PCI were randomized in a double-blind fashion to SCH 530348 (10, 20, or 40 mg loading dose) or matching placebo on the day of procedure. Patients who subsequently underwent PCI (the primary evaluable cohort) and were assigned to SCH 530348 continued with 1 of 3 maintenance doses (0.5, 1.0, or 2.5 mg daily); those receiving a placebo loading dose continued to receive placebo for 60 days. A majority of patients received both aspirin and clopidogrel. The primary endpoint was the incidence of clinically significant TIMI major plus minor bleeding in subjects undergoing PCI through the end of treatment.

**Findings:** Overall, 257 patients were allocated to placebo and 773 to SCH 530348. In patients undergoing PCI (n=573), hemorrhagic complications were infrequent, with no significant differences between patients treated with SCH 530348 or placebo (2.8% vs 3.3%; OR 0.855, 95% CI 0.296-2.467). The primary endpoint occurred in 2/129 (1.6%), 3/120 (2.5%), and 7/173 (4.0%) of patients, respectively, receiving SCH 530348 10, 20, and 40 mg, compared with 5/151 (3.3%) patients given placebo (p for trend = 0.5786). TIMI major plus minor bleeding occurred in 3/136 (2.2%), 5/139 (3.6%), and 4/138 (2.9%) of patients, respectively, given SCH 530348 0.5, 1.0, and 2.5 mg once daily (p for trend = 0.7561). Greater than 80% inhibition of thrombin receptor agonist peptide-induced platelet aggregation was achieved rapidly and maintained for the 60-day treatment period. Major adverse cardiovascular events did not differ significantly among the groups.

**Interpretation:** Among patients undergoing non-urgent PCI, oral platelet PAR-1 antagonism with SCH 530348 provides rapid, robust, and sustained platelet inhibition. The drug was well tolerated and did not cause increased TIMI bleeding, even when administered with both aspirin and clopidogrel. Further testing in large-scale trials is ongoing.





# A Tale of Two Trials: CONSENSUS and A-HeFT

Anne L. Taylor, M.D.  
Vice Dean for Academic Affairs  
John Lindenbaum Professor of Medicine

The CONSENSUS trial in which the ACE-I, enalapril, was added to optimal therapy of the time, in a very small (n=253), narrowly defined ethnic population (all Scandinavian/northern European hypertensive, class IV heart failure), was a benchmark trial which provided "proof of concept" data demonstrating the mortality benefit of ACE-Is in heart failure. This trial also provided the pilot data which stimulated many further studies exploring the benefit of ACE-I in broader HF populations, as well as studies, both basic and clinical, defining the mechanisms for the positive effect.

A-HeFT, like CONSENSUS (though with almost four times the sample size), provided "proof of concept" for additional mechanisms contributing to the progression of heart failure in a similarly narrowly defined, though different ethnic population. It demonstrated a remarkable incremental mortality benefit (efficacy) of combined ISDN/HYD when added to blockade of the renin-angiotension and beta-adrenergic systems in a narrowly defined ethnic population. Addition of this drug to guideline recommended neurohormonal blockade resulted in a 43% reduction in mortality. This is in comparison to a mortality benefit of approximately 15-20% associated with ACE-I use and approximately 30-35% associated with beta-blockade over many studies.

In the context of a devastating, costly, incurable and prevalent disease, it is ironic that the drug is neither being widely prescribed for the population studied nor being further studied for broader applicability and mechanisms of action despite the dramatic evidence for efficacy.

Why was data from these two similar trials so differently applied and what role did the highly polarized controversies surrounding the issue of "race and medicine" provoked by A-HeFT play in obscuring the fundamental scientific finding?



# "Aging, Fitness and Failure": Effects of Age and Physical Activity on Cardiovascular Structure and Function

Benjamin D. Levine, M.D., Institute for Exercise and Environmental Medicine, Presbyterian Hospital of Dallas, and UT Southwestern Medical Center

Aging leads to a loss of functional capacity which is compounded by reductions in physical activity. Indeed, we demonstrated recently that 3 weeks of bedrest causes a greater reduction in maximal oxygen transport than 30 years of aging. Comprehensive invasive assessment of LV performance and pressure-volume (p/v) relations as well as Doppler assessment of relaxation demonstrated that healthy but sedentary aging leads to: 1) a leftward and upward shift of the diastolic p/v curve leading to increased static chamber stiffness and decreased distensibility; 2) this change in cardiac compliance can be prevented by life-long endurance training – Masters athletes (>25 yrs training) have p/v curves that are identical to young individuals; 3) despite this clear preservation of cardiac compliance, life-long training does NOT prevent the slowing of ventricular relaxation associated with aging. Specifically, across a wide range of cardiac filling pressures (LVEDP from ~ 3 mmHg to ~ 20 mmHg) IVRT was much slower in both sedentary seniors and Masters athletes compared to young controls at any given level of cardiac filling, with no effect of fitness; myocardial relaxation velocities (TDI) were also slower in both senior groups, as was propagation velocity. Thus life-long endurance training has differential effects on static vs dynamic diastolic function.

Using these same methods, we recruited a highly selected set of patients with heart failure and a preserved ejection fraction (HFpEF) to compare with healthy, aged matched controls. As a group, HFpEF patients had p/v curves that were shifted even further upward and leftward compared to healthy seniors. However there was a marked gender difference in these curves: male HFpEF patients had much stiffer hearts than their healthy sedentary controls; however female HFpEF patients' hearts were not any stiffer than sedentary aged matched women; both groups had static chamber stiffness that was equivalent to the male HFpEF patients. TDI velocities were much slower in HFpEF patients than sedentary seniors. Surprisingly, despite marked reductions in VO2max in HFpEF patients compared to age matched controls, their cardiac power output reserve was the same, and the increase in cardiac output per unit increase in oxygen uptake was dramatically elevated, to a level typically seen in patients with mitochondrial myopathies. These data suggest that: 1) compared to healthy sedentary seniors, male HFpEF patients have hearts that are stiffer and relax much more slowly; 2) both healthy, sedentary senior females and female HFpEF patients have hearts that are equally as stiff and slowly relaxing as HFpEF men, providing at least one explanation why this disease is more prevalent in women. During exercise, a reduced capacity for mitochondrial oxidation leads to a signal for elevated cardiac output during exercise which given their stiff, slowly relaxing hearts provide the substrate for dyspnea and exercise intolerance.



**Cardiac Resynchronization Therapy: Current Status and Role of Imaging**  
David Hayes, M.D.

To date, more than 5000 patients have been included in completed randomized clinical trials of cardiac resynchronization therapy (CRT). Trials can be discussed in terms of design, endpoints, and therapies included. Completed trials primarily used patient inclusion criteria of wide QRS width, sinus rhythm, New York Heart Association (NYHA) functional class III and IV, LVEF  $\leq 35\%$  and biventricular pacing configuration. The majority of trials have relied on primary end points reflecting functional status, specifically the 6-minute walk test, NYHA functional class, and quality of life. More recent trials have used "composite" endpoints including outcomes such as cardiac mortality, all-cause mortality, and hospitalization for congestive heart failure.

Randomized clinical trials have been consistent in demonstrating improvement in 6-minute walk, NYHA functional class, and quality of life assessed with the Minnesota Living With Heart Failure questionnaire. Some exceptions exist and will be detailed by individual trial.

Relative consistency in some secondary end points also has been found.

In the studies assessing peak  $\text{VO}_2$ , with the exception of InSync ICD II, in which only patients in class II were enrolled, there has been a consistent improvement in this end point. Echocardiographic variables, specifically left ventricular end-diastolic dimension, have consistently shown a decrease in left ventricular dimensions, suggesting reverse left ventricular remodeling. When mitral regurgitation has been assessed, it has decreased after CRT.

The 2008 guidelines restrict the use of CRT or CRT-D defibrillators to patients with a significantly reduced LVEF, Class III or ambulatory Class IV congestive heart failure and a wide QRS, i.e.  $> 120$  ms. However, the criteria result in very limited trial data to support broader parameters or more relaxed criteria, such as NYHA class I or II, narrow (normal) QRS in the presence of left ventricular dyssynchrony, underlying rhythm of atrial fibrillation, and left ventricular (LV) pacing-only configuration. Many additional randomized clinical trials are either ongoing or pending.

Our studies have demonstrated that echocardiographic strain analysis may be helpful for determining which patients with a narrow QRS complex may respond to CRT. However, the randomized clinical trial data using other echocardiographic techniques to assess ventricular dyssynchrony have been negative, i.e. these echocardiographic parameters were not predictive of CRT responders. The data to date will be discussed as well as possible future imaging techniques that may be useful in predicting CRT response.



**Development of a Risk Score for Atrial Fibrillation in the Community; The Framingham Heart Study**

Renate B. Schnabel, MD; Lisa M. Sullivan, PhD; Daniel Levy, MD; Michael J. Pencina, PhD; Joseph M. Massaro, PhD; Ralph B. D'Agostino, Sr, PhD; Christopher Newton-Cheh, MD, MPH; Jennifer F. Yamamoto, BS; Jared W. Magnani, MD; Thomas M. Tadros, MD, MPH; William B. Kannel, MD; Thomas J. Wang, MD; Patrick T. Ellinor, MD, PhD; Philip A Wolf, MD; Ramachandran S. Vasan, MD; Emelia J. Benjamin, MD, ScM

**Background** Atrial fibrillation (AF) contributes to substantial increases in morbidity and mortality. Our aim was to develop a risk prediction model to assess individuals' absolute risk for incident AF; to offer clinicians a tool to communicate risk; and to provide researchers a framework to evaluate new risk markers.

**Methods** We examined 4764 Framingham Heart Study individuals (8044 person-exams; mean age 60.9 years, 55% women) aged 45-95 years. Multivariable Cox regression related clinical variables to 10-year AF incidence ( $n=457$ ). Secondary analyses incorporated routine echocardiographic data (person-exams=7156, 445 events) for reclassifying individuals' AF risk.

**Findings** Age, sex, significant murmur, heart failure, systolic blood pressure, hypertension treatment, body mass index, and electrocardiographic PR interval were associated with incident AF ( $p<0.05$ ; clinical model C statistic=0.78, 95% confidence interval [CI] 0.76-0.80). Ten-year AF risk varied with age;  $>15\%$  10-year AF risk was observed in 1.0% of individuals  $<65$  years versus 26.9% of participants  $\geq 65$  years. Predicted 10-year risk deciles for developing AF were similar to observed risks (calibration Chi-square statistic, 4.16,  $p=0.90$ ). Additional incorporation of echocardiographic features minimally improved the C statistic from 0.78 (0.75, 0.80) to 0.79 (95% CI 0.77-0.82),  $p=0.005$ . Echocardiographic variables did not significantly improve net reclassification ( $p=0.18$ ). We provide a point score for estimating AF risk with variables easily-measured in primary care.

**Interpretation** The Framingham AF risk score may help risk stratify individuals in the community, and may provide a framework to evaluate new biological or genetic markers for AF risk prediction and help target individuals destined to develop AF for preventive measures.





# Neural Mechanisms of Paroxysmal Atrial Fibrillation and Paroxysmal Atrial Tachycardia in Ambulatory Canines<sup>1</sup>

Peng-Sheng Chen, MD., Medtronic Zipes Chair in Cardiology, Director, Krannert Institute of Cardiology, Chief, Division of Cardiology, Department of Medicine, Indiana University School of Medicine, 1801 N Capitol Ave, Room E475, Indianapolis, IN 46202, USA

**Background-** The relationship between autonomic activation and the mechanisms of paroxysmal atrial fibrillation (PAF) remains unclear.

**Methods and Results-** We implanted a pacemaker and a radiotransmitter in 7 dogs (Group 1). After baseline recording, we paced the left atrium (LA) at 20 Hz for one week and then monitored left stellate ganglion nerve activity, left vagal nerve activity and LA electrogram off pacing for 24 hrs. This protocol repeated itself until sustained AF (>48 hrs) was induced in 3±1 weeks. In another 6 dogs (Group 2), we cryoablated left and right stellate ganglia and the cardiac branch of left vagal nerve during the first surgery and then repeated the same pacing protocol until sustained AF was induced in 7±4 weeks (p=0.01). There were PAF (4 ± 2 episodes/d) and paroxysmal atrial tachycardia (PAT, 10 ± 3 episodes/d) in Group 1. Simultaneous sympathovagal discharges were observed to immediately precede the onset of atrial arrhythmias in 73% of episodes. In comparison, Group 2 dogs had no PAF (p=0.046) or PAT episodes (p<0.001). There was nerve sprouting, sympathetic hyperinnervation and a massive elevation of transcatheter norepinephrine levels in both groups.

**Conclusions-** Intermittent rapid LA pacing results in sympathetic hyperinnervation, PAF and PAT. Simultaneous sympathovagal discharges are common triggers of these arrhythmias. Cryoablation of extrinsic sympathovagal nerves eliminated PAF and PAT, suggesting that simultaneous sympathovagal discharges and these arrhythmias are causally related. Because cryoablation only delayed but did not prevent sustained AF, autonomic nerve activity is not the only factor determining AF maintenance.

## Reference

- 1 Tan AY, Zhou S, Ogawa M, Song J, Chu M, Li H, Fishbein M.C., Lin S.-F., Chen LS, Chen P-S. Neural mechanisms of paroxysmal atrial fibrillation and paroxysmal atrial tachycardia in ambulatory canines. *Circulation* 2008;118:916-25.



# Nkx2-5 transactivates Etsrp71 and specifies the endocardial lineage in the developing heart

Daniel J. Garry, Michael Kyba and Anwarul Ferdous  
Lillehei Heart Institute, University of Minnesota, Minneapolis, MN 55455

Recent studies support the existence of a common progenitor for the cardiac and endothelial cell lineages, but the underlying transcriptional networks responsible for specification of these cell fates remain unclear. We demonstrate that Ets-related protein 71 (Etsrp71), a newly discovered ETS family transcription factor, is a novel downstream target of the homeodomain protein, Nkx2-5. Using genetic mouse models and molecular biological techniques, we demonstrate that Nkx2-5 binds to an evolutionarily conserved Nkx2-5 response element in the *Etsrp71* promoter and induces the *Etsrp71* gene expression in vitro and in vivo. *Etsrp71* is transiently expressed in the endocardium/endothelium of the developing embryo (E7.75-E9.5) and is extinguished during the latter stages of development. Using a gene disruption strategy, *Etsrp71* mutant embryos lacked endocardial/endothelial lineages and are nonviable. We observed no evidence of the specification of the endocardial/endothelial lineage in the absence of Etsrp71. We have further demonstrated that overexpression of Etsrp71, in an Etsrp71-inducible ES/EB system, promoted an endothelial fate and significantly induced a number of putative downstream target genes. Moreover, using transgenic technologies, transcriptional and ChIP assays we further establish that Tie2 is a direct downstream target of Etsrp71. Collectively, our results uncover a novel functional role for Nkx2-5 and define a transcriptional network that specifies an endocardial/endothelial fate in the developing heart and embryo.



### Can We ESCAPE From Congestion?

*Lynne Warner Stevenson in grateful collaboration with the Advanced Heart Disease Section of Brigham and Women's Hospital, ESCAPE Investigators, COMPASS Investigators, and the Ahmanson-UCLA Cardiomyopathy Center*

Since early descriptions of dropsy, the fluid accumulation of heart failure has presented a target for therapy. For patients with dilated heart failure, reduction of filling pressures to near-normal levels has not only improved symptoms without compromising cardiac output, but also decreased mitral regurgitation and sympathetic activation, and increased vascular reactivity and exercise capacity. The ESCAPE trial compared the impact of expert clinical assessment (CLIN) with and without pulmonary artery catheter (PAC) monitoring tailored to goals of PCW pressure  $\leq 16$  and RAP  $\leq 8$  mmHg during heart failure hospitalization.

The primary endpoint of days alive out of hospital during 6 months was the same after both CLIN and PAC. PAC conferred no excess risk, and trends leaned toward improved function and quality of life after PAC, particularly survival preference. Possible explanations of neutral impact could be irrelevance of low filling pressures for subsequent events, equivalence of clinical and hemodynamic assessment, or dilution of acute benefit after discharge. In the ESCAPE trial, PCW and RAP, but not cardiac index, predicted outcomes. Assessment of JVP correlated well with RAP, and was also the best sign for elevated left-sided pressures.

Echocardiographic measurement of mitral regurgitation and diastolic function improved acutely *only* with PAC, with most differences lost by 3 months. Renal function improved more often with PAC before discharge but groups were the same by 3 months.

What happens during the months after discharge? In the ESCAPE trial, JVP, weight, and edema showed similar decrease in both groups before discharge, but a significant increase in PAC arm by 3 months. Recent information from ambulatory pressure monitoring obtained during the COMPASS trial revealed that heart failure events that occurred despite vigilant heart failure management were preceded by elevated filling pressures that often began 3 weeks prior to an event, unaccompanied by the anticipated weight changes. Patients with higher daily ambulatory filling pressures had a higher risk of later events. In the current era of improved therapies and survival, heart failure events remain tightly linked to elevated ventricular filling pressures. We continue to seek the best strategy to escape congestion.

### Ventricular Scars and Ventricular Tachycardia

*William G. Stevenson, MD, Brigham and Women's Hospital, Boston, Ma*

Sustained monomorphic ventricular tachycardia (VT) occurs in all forms of heart disease and is an important cause of sudden death. Large ventricular scars comprised of regions of dense fibrosis and surviving myocyte bundles from prior infarction is the most common cause. It is now appreciated that ventricular scars are also the most common cause of monomorphic VT in nonischemic cardiomyopathies, including idiopathic left ventricular cardiomyopathy, arrhythmogenic right ventricular dysplasia, and valvular heart disease. Scars promote reentry by creating areas of block that define reentry circuits and by uncoupling myocyte bundles to create slow conduction. These features likely explain the stability of the VT substrate over long periods of time, and the poor efficacy of drug therapy. Although implantable defibrillators effectively terminate VT, symptomatic episodes reduce quality of life and predict increased mortality. Catheter ablation has an important role in preventing VT, but is challenging due to the anatomic variability of reentry circuits and scars, and hemodynamic instability that usually precludes extensive mapping during VT. Recent developments in catheter mapping technologies allow areas of scar and the reentry circuit substrate to be defined and ablated during stable sinus rhythm. Ablation prevents or substantially reduces recurrent VT in  $> 70\%$  of patients who have frequent VT. The procedure mortality is 3%. Ablation failure is often due to anatomic obstacles, most often intramural reentry circuit locations. Percutaneous epicardial approaches and transcoronary ethanol ablation achieve success in some patients, but further advances in are required. With advanced ventricular dysfunction, the mortality following ablation has remained in the range of 10% per year with heart failure playing an important role. The recent demonstration that VT predicts late mortality even when it is effectively treated by an ICD raises the question of whether therapy to prevent VT should be instituted early, even at the time of ICD implantation, a suggestion that is supported by a small randomized study of early ablation. Future studies will use myocardial imaging to identify scars in the hope of predicting arrhythmia risk and guiding treatment. Emergence of VT late after infarction and the benefit of rennin-angiotensin-aldosterone antagonists on sudden death, suggest that ongoing remodeling has an arrhythmogenic role. Biological therapies that modify the scar hold promise for influencing remodeling and improving ventricular function. As with any therapy with electrophysiological consequences there is the potential for proarrhythmic as well as beneficial effects.

## Molecular Mechanisms Regulating Vascular Tone and Blood Pressure.

Michael E. Mendelsohn, M.D.

Hypertension, a major cardiovascular risk factor and cause of mortality worldwide, is thought to arise exclusively from primary renal abnormalities. However, the etiology of most cases of hypertension remains unexplained. Over the past decade we have been exploring the hypothesis that primary abnormalities in critical vascular tone smooth muscle cell (VSMC) proteins that regulate vascular tone can lead to abnormalities of blood pressure regulation, including hypertension. VSMC tone is regulated by Ca<sup>2+</sup>-dependent and Ca<sup>2+</sup>-independent contractile pathways, and vascular relaxation is regulated especially by the nitric oxide-cyclic GMP-cGMP-dependent protein kinase type I (PKG I) pathway. Over the past fifteen years, our laboratory has explored the molecular targets of PKGI and the domains of PKGI involved in mediating interactions with these targets. This work has defined a family of PKGI-interacting proteins involved in molecular regulation of VSMC relaxation. In this presentation we describe mice created that harbor a selective mutation in the N-terminal protein interaction (leucine zipper) domain of PKGI $\alpha$ , which disrupts the PKGI interaction with myosin phosphatase, a critical mediator of VSMC relaxation. These mice display inherited VSMC abnormalities of contraction, abnormal relaxation of large and resistance blood vessels, and increased systemic blood pressure. Renal function studies and responses to changes in dietary sodium in these PKGI $\alpha$  mutant mice are normal. These data reveal that PKGI $\alpha$  is required for normal VSMC physiology and support the idea that high blood pressure can arise from a primary abnormality of vascular smooth muscle cell contractile regulation, suggesting a new approach to the diagnosis and therapy of hypertension and cardiovascular diseases.



## Adenosine Receptors and Heart Failure – New Insights from Transgenic Models

Arthur M. Feldman, Elina Cheskis, Eman Hamad, Hajime Funakoshi, Tung Chan

It has been known for some time that adenosine mediates pre-ischemic conditioning by interacting with three cardiac adenosine receptors – A<sub>1</sub>, A<sub>2a</sub> and A<sub>3</sub>-AR. The A<sub>1</sub> and A<sub>3</sub> receptors act via G<sub>i</sub> while the A<sub>2a</sub> receptor acts through G<sub>s</sub>. All three have been implicated in either pre- or post-ischemic cardioprotection and adenosine levels have been found to increase in ischemic myocardium. Far less is known about the role of adenosine receptors in the failing heart, although it has been generally assumed that activation would also impair cardioprotection.

To begin to understand the role of adenosine receptors in heart failure, we a number of lines of transgenic mice with both high and low levels of constitutive or controlled over-expression of the A<sub>1</sub>- and A<sub>2a</sub>-A receptors. Much to our surprise, constitutive over-expression of both the A<sub>1</sub> and A<sub>2a</sub>-A receptors resulted in the development of cardiac dilatation, failure, fibrosis, and early mortality that was directly related to the level of transgene expression. Controlled over-expression begun after puberty of either the A<sub>1</sub>- and A<sub>2a</sub>-A receptors did not significantly alter the cardiac phenotype during early adulthood in the transgenic mice; however, in the case of the A<sub>1</sub>-overexpression mouse there was marked development of cardiac abnormalities by 4 to 6 months and both groups were unable to withstand the stress of pressure overload via aortic constriction when compared with non-transgenic littermates. The abnormalities in cardiac performance could not be explained by changes in heart rate as evidenced by studies using isolated, perfused and paced hearts. That these profound abnormalities in cardiac dysfunction were due to a change in the stoichiometric balance between A<sub>1</sub> and A<sub>2a</sub> activation was shown by the fact that mice constitutively co-over-expressing both the A<sub>1</sub> and the A<sub>2a</sub> receptors had a normal cardiac phenotype.

Using a series of transgenic models, we have now begun to elucidate the specific pathways that are required for the adverse consequences of either A<sub>1</sub> or A<sub>2a</sub>-A overexpression. These studies suggest that the adverse consequences of A<sub>1</sub>-A overexpression are not related to activation of G<sub>i</sub> but may in fact be mediated through the effects of G<sub>i</sub>-coupled  $\beta\gamma$  subunits. Even more interesting has our recent finding using confocal microscopy that the over-expression of the A<sub>1</sub> adenosine receptor results in the translocation of ion channels from the T-tubules to the sarcolemmal membrane – a change that is associated with substantial changes in calcium homeostasis as measured by single cell patch clamp experiments. While these experiments provide interesting information regarding the biological properties of adenosine receptors, they provide important information and raise significant cautions regarding the use of adenosine receptor-selective agonists and antagonists in the treatment of patients of heart failure – a caution that is timely in the context of ongoing clinical trials of several new adenosine receptor-selective agents.



### REMOTE TESTING OF CARDIAC EXAMINATION COMPETENCY IN FACULTY CARDIOLOGISTS

John Michael Criley MD, Jasminka M. Vukanovic-Criley MD, Arsen Hovanessian MD, Stuart Ross Criley MBA, Thomas Ryan MD, Gary Plotnick MD, Keith Mankowitz MD, and C. Richard Conti MD

**Objectives:** To evaluate cardiac examination (CE) skills among academic faculty cardiologists using virtual patients in computer-based testing.

**Background:** Testing of medical trainees has demonstrated major deficiencies in their ability to correctly identify heart sounds and murmurs. We previously confirmed these deficiencies using a 50question multimedia CE Test featuring video scenes of patients with readily identifiable auscultatory and visible manifestations of cardiovascular pathology.

**Methods:** To obviate faculty reluctance, the CE Test was installed at 17 U.S. academic centers to be taken anonymously by cardiology and internal medicine faculty and trainees after entering demographic data including subspecialty and years in, or after training. Scores were revealed and data were automatically sent via internet to a secure database.

**Results:** Of 412 tests, faculty mean scores (out of  $100 \pm 95\%$  CI) in descending order: 12 volunteer cardiology  $82.4 \pm 5.8$ , 52 full-time cardiology  $81.8 \pm 3.5$ , and 17 non-cardiology faculty  $64.1 \pm 1$  OA. Trainees' scores in descending order: 126 cardiology fellows  $77.5 \pm 2.2$ , 60 students  $64.6 \pm 4.0$ , 110 internal medicine residents  $61.4 \pm 3.2$ , and 40 family medicine residents  $58.9 \pm 5.0$ . Remotely obtained scores from all trainee groups (students, residents, and fellows) as well as internal medicine faculty were comparable to those previously reported from over 1,000 proctored examinations. Cardiology faculty scores, obtained for the first time, were positively correlated with years out of training.

**Conclusions:** Cardiology faculty had significantly higher scores than internal medicine faculty, while the latter scores were no better than students or residents, as previously reported. Also as previously reported, CE proficiency scores did not improve in postgraduate trainees with the exception of cardiology fellows. The linear relationship between years since training and test scores in cardiology faculty suggests that CE training was better in past years and/or that CE proficiency improves with experience.



### PATHOPHYSIOLOGY OF AORTIC VALVULAR STENOSIS

Donald D. Heistad, Jordan Miller, and Robert M. Weiss; University of Iowa Carver College of Medicine, Iowa City, IA

Risk factors for development of aortic valve stenosis are similar to those for atherosclerosis, and calcific stenotic aortic valves resemble atherosclerotic lesions histologically. We have performed studies to 1) test the hypothesis that oxidative stress is increased in stenotic aortic valves in humans and mice, 2) examine mechanisms that contribute to oxidative stress in aortic valve stenosis, and 3) determine whether lowering lipid levels with a "genetic switch" slows the progression of aortic stenosis.

We developed the first model of severe aortic valve stenosis, using ApoB100 LDL-receptor deficient mice (ApoB<sup>100/100</sup>/Ldlr<sup>-/-</sup>) (Circ. 114:2065, 2006). Superoxide levels were significantly increased in the valves.

Increases in oxidative stress may contribute to initiation and progression of atherosclerotic plaques, and differentiation of vascular smooth muscle cells into an osteoblast-like phenotype in vitro. We examined pro- and anti-oxidant mechanisms in normal aortic valves, from human hearts that were not suitable for transplantation, and stenotic aortic valves removed during surgery (JACC 52:843, 2008). In stenotic valves, superoxide levels were increased near calcified regions. NAD(P)H oxidase activity was not increased in stenotic valves, and uncoupling of nitric oxide synthase may contribute to generation of superoxide in stenotic valves. Thus, mechanisms of generation of superoxide differ greatly in atherosclerotic arteries and stenotic valves. Surprisingly, antioxidant enzymes were reduced in pericardiac regions of valves.

Recent trials (especially SEAS) strongly suggest that statins fail to slow progression of aortic stenosis in patients with moderate elevation of plasma cholesterol and moderate aortic stenosis. We have used "Reversa" mice, developed by Dr. Stephen Young at UCLA, which are ApoB<sup>100/100</sup>/Ldlr<sup>-/-</sup>, in which Cre-mediated inactivation of MTP in liver "switches off" hypercholesterolemia. After 6 months of hypercholesterolemia, Reversa mice exhibit increases in superoxide, lipid deposition, myofibroblast activation, pro-osteogenic protein expression, and calcium deposition in the aortic valve. When cholesterol was normalized at 6 months of age, changes in the valve were stopped or reversed, and progression towards stenosis (echocardiogram) was prevented. Thus, normalization of cholesterol levels in mice with early aortic valve disease halts the progression of valve calcification and stenosis.





## 2009 AUC ANNUAL MEETING ABSTRACTS

### **Can the whale and the elephant help us to understand obesity and high blood pressure in the Bogalusa Heart Study?**

Dr. Gerald S. Berenson, Tulane Center of CV Health, New Orleans, L.A.

In 1953 Dr Paul Dudley White went to Alaska and recorded an ECG on a Beluga whale and found the heart rate to be 12 beats/min compared to an elephant, even larger in size, to be 35 beats/min. Heart rates are generally associated with body size, e.g. mouse at 620-780 beats/min. The whale's slow heart rate reflected a diving reflex and strong vagal response. In the Bogalusa Heart Study of youth in 1970's we noted black children had slower heart rates, higher blood pressure levels, tended to be more muscular in contrast to greater body fat and faster heart rates in white children. In addition, insulin levels were higher and glucose and rennin levels lower in black v/s white children. Also urinary potassium excretion was much less in black children. Based on these observations, we postulated that white children had greater adrenergic effect and obesity-related higher blood pressure and heart rates, while blacks had more parasympathetic activity and an electrolyte influence on blood pressure. Further, heart rate variability studies in children corroborated this finding by showing greater sympathetic effect in whites and more parasympathetic effect in blacks. Years later CARDIA, a study of young adults, indicated heart rates to be faster in black adults and studies by Ron Victor and co-workers, and Suzanne Oparil and co-workers showed that leg peroneal nerve responses to indicate a greater sympathetic activity in hypertensive blacks. As our study population increased in age, we explored the transition of blood pressure, heart rate and the double product from childhood to adulthood. The double product showed a crossover around 25 years of age, being greater in whites in childhood and greater in blacks in adulthood. This change related to increasing occurrence of obesity, metabolic syndrome and hypertension in blacks during adulthood. Reflecting back on the diving reflex, that observation suggested a greater vagal effect in black children and on the central autonomic balance than that noted by the peripheral nervous system. Further, changes with the adrenergic influence from obesity were increasing in adulthood.

The implications may be shown by subtle differences in drug response to blood pressure control, like with  $\beta$  blockers, perhaps a resetting of the baroreceptor reflex with hypertension. Stevo Julius suggests that resetting may make it more difficult for patients with hypertension to lose weight. Thus, subtle underlying racial contrasts beginning in childhood give us clues to mechanisms related to the different expressions of hypertension and clinical heart diseases in adulthood.



## UPCOMING MEETINGS

- January 7-8, 2010  
[Renaissance Vinoy Resort, St. Petersburg, Florida](#)
- January 6-7, 2011 (50th Year Anniversary of AUC)  
[Arizona Biltmore, Phoenix, Arizona](#)



## AUC Officers 2009-10

President

**Ronald G. Victor, M.D.**

The Heart Institute, Cedars-Sinai Medical Center

Vice President

**Alice K. Jacobs, M.D.**

Boston University School of Medicine

Secretary-Treasurer

**Kim A. Eagle, M.D.**

University of Michigan Health System

Councilors

**Blasé Carabello, M.D.**

Houston Veterans Affairs Medical Center

**Elizabeth McNally, M.D.**

The University of Chicago

**Joseph A. Hill, M.D., Ph.D.**

University of Texas Southwestern Medical Center

**Peter M. Buttrick, M.D.**

University of Colorado - Denver



# PROGRAM AND ABSTRACTS

**Association of University Cardiologists  
Forty-Ninth Annual Meeting  
Renaissance Vinoy Resort  
St. Petersburg, Florida**

**January 6 – 8, 2010**

**2010**

**2010 AUC ANNUAL MEETING  
PROGRAM**

**Wednesday, January 6, 2010**

2:00 PM – 5:00 PM Council Meeting – Dann  
 3:00 PM – 5:00 PM Emeritus Forum – Plaza AB  
 6:00 PM – 8:00 PM **Reception** – Mezzanine Terrace

**Thursday, January 7, 2010**

7:45 AM – 8:45 AM Continental Breakfast – Royal Foyer  
**8:45 AM – 12:00 PM The President's Program - Royal Ballroom**  
 8:45 – 9:45 **THE 24th GEORGE BURCH MEMORIAL LECTURE**

*MicroRNA Control of Cardiovascular Development & Disease*  
**Eric N. Olson**, Ph.D., UT Southwestern Medical Center at Dallas

9:45 – 10:30 **FEATURED LECTURE**  
*A Cardiologist Confronts Obesity*  
**Allyn Mark**, M.D., University of Iowa

10:30 – 11:00 Break – Royal Foyer

11:00 – 11:45 **PRESIDENT'S LECTURE**  
*Muscle Ischemia in Muscular Dystrophy: Translational Research from Mice to Men*  
**Ronald G. Victor**, M.D., Heart Institute, Cedars-Sinai Medical Center

11:45 – 12:00 Discussion

12:00 – 1:00 Lunch – Majestic Ballroom

**1:00 – 5:10 First Scientific Session – Royal Ballroom**

1:00 – 1:05 Introduction of New Members in Attendance:

Craig Basson	Peter Ganz
Steven Bailey	Dan Roden
C. Noel Bairey-Merz	Lawrence Young
Anne Curtis	



**2010 AUC ANNUAL MEETING  
PROGRAM**

**Thursday, January 7, 2010, cont.**

1:05 – 1:35 *Pleiotropine (PTN) Reprograms Macrophages into functional Endothelial Cells and is Expressed in Vascularized Human Atherosclerotic Plaques: IFN- $\gamma$ /JAK/STAT1 Signaling is Critical for the Expression of PTN in Macrophages*  
**P. K. Shah**, M.D., Director, Division of Cardiology & Atherosclerosis Research Center, Cedars-Sinai Heart Institute

1:35 – 2:05 *Statin Therapy for the Prevention of Atrial Fibrillation*  
**Anne B. Curtis**, M.D., Professor of Medicine, Chief, Division of Cardiology, Director, Cardiovascular Services, University of South Florida

2:05 – 2:35 *Transcription Regulation of Coronary Blood Vessel Development*  
**Craig T. Basson**, M.D., Professor, Director, Cardiovascular Research, Weill Medical College of Cornell University

2:35 – 3:05 *Molecular and Cellular Imaging Using Ultrasound Contrast Agents*  
**Flordeliza S. Villanueva**, M.D., Associate Professor of Medicine, Director, Director, Non-Invasive Cardiovascular Imaging, Director, Center for Ultrasound Molecular Imaging & Therapeutics, University of Pittsburgh Medical Center

3:05 – 3:20 Break

3:20 – 3:50 *Sex/Gender Differences in CVD – A Model for Translation to Improved Outcomes*  
**C. Noel Bairey-Merz**, M.D., Professor of Medicine, Medical Director, Preventive and Rehabilitative Cardiac Center, Director, Women's Heart Center, Cedars-Sinai Medical Center

3:50 – 4:20 *Role of the Epicardium in NonIschemic Ventricular Tachycardia*  
**David J. Wilber**, M.D., Professor of Medicine, Director, Division of Cardiology & Cardiovascular Institute, Loyola University Medical Center

**2010 AUC ANNUAL MEETING  
PROGRAM**

**Thursday, January 7, 2010, cont.**

4:20-4:50      *Rethinking Resynch: It More than Meets the Eye*  
**David A. Kass**, M.D., Professor of Medicine and  
Biomedical Engineering, Johns Hopkins  
University School of Medicine

**4:50 PM                      Adjourn for the day**

**7:00 PM – 11:00 PM      RECEPTION AND DINNER (BLACK TIE)**

7:00 – 8: 00              Reception              **Palm Court Terrace**

8:00 – 11:00              Dinner                  **Majestic Ballroom**

**Friday, January 8, 2010**

7:30 AM – 8:00 AM      Continental breakfast – **Royal Foyer**

**8:00 AM – 9:00 AM      Business Meeting – Royal Ballroom**

Memorial Minutes  
Election of New Members  
Election of Officers  
Other New Business

**9:00 AM – 12:00 PM      Second Scientific Session   Royal Ballroom**

9:00 – 9:30              *Molecular Mechanisms Regulating Vascular Tone  
and Blood Pressure*  
**Michael E. Mendelsohn**, M.D., Elisa Kent  
Mendelsohn Professor of Molecular Cardiology  
and Medicine, Tufts University School of Medicine



**2010 AUC ANNUAL MEETING  
PROGRAM**

9:30 – 10:00      *Dabigatran versus Warfarin in Patients  
With Atrial Fibrillation*  
**Michael Ezekowitz**, M.D., Ph.D.  
Vice President, Lankenau Institute for  
Medical Research, Vice President, Clinical  
Research, Main Line Hospitals

10:00 – 10:30              Break

10:30 – 11:00              *Dysregulation of G-Protein Signaling and Right  
Ventricular Outflow Tract Tachycardia*  
**Bruce B. Lerman**, M.D., Chief Division of Cardiology,  
Director, Cardiac Electrophysiology Laboratory, Weill  
Medical College of Cornell University

11:00 – 11:30              *Intrinsic Cardiac Nerve Activities and the Spontaneous  
Onset of Atrial Tachycardia*  
**Peng-Sheng Chen**, M.D. Medtronic-Zipes Chair of  
Cardiology, Director, Krannert Institute of Cardiology,  
Chief, Division of Cardiology

11:30 – 12:00              *Increased Left Ventricular Mass is Associated With Long-  
term Blood Pressure Variability beginning in Childhood in  
Black Adults: The Bogalusa Heart Study*  
**Gerald S. Berenson**, M.D., Emeritus Boyd Professor,  
LSU Medical Center, Director, National Center for  
Cardiovascular Center Tulane Center for Cardiovascular  
Health

**Adjourn**





**Pleiotrophin (PTN) reprograms macrophages into functional endothelial cells and is expressed in vascularized human atherosclerotic plaques: IFN- $\gamma$ /JAK/STAT1 signaling is critical for the expression of PTN in macrophages**

P.K. Shah, MD, From the Division of Cardiology, Oppenheimer Atherosclerosis Research, Cedars-Sinai Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA

Pleiotrophin (PTN) is an angiogenic factor thought to be important in the neovascularization associated with aggressive tumors and ischemic tissues. Using Suppressive Subtractive Hybridization, we have recently shown that PTN is expressed in athero-prone coronary arteries but not in athero-resistant mammary arteries. Furthermore, we have also demonstrated that PTN induces transdifferentiation of macrophages into functional endothelial cells capable of vasculogenesis using several different experimental approaches. Although angiogenesis and intraplaque hemorrhage can accelerate atherosclerosis, nothing is known about the function of PTN in atherogenesis. Immunostaining of vascularized human atherosclerotic plaques demonstrated a strong colocalization of PTN with microvessels and macrophages in the lesions. Using mouse and human macrophages and quantitative PCR analysis, we found that IFN- $\gamma$ , but not LPS, M-CSF, ox-LDL or TNF- $\alpha$ , markedly induced PTN mRNA expression in a time- and dose-dependent manner, pointing to the specific role of T-cell and macrophage interactions in the expression of PTN. Mechanistic studies revealed that the Janus kinase inhibitors, WHI-P154 and ATA, efficiently blocked STAT1 phosphorylation in a concentration- and time-dependent manner. Importantly, the level of phosphorylated STAT1 was found to be directly correlated with the PTN mRNA levels. In addition, STAT1/STAT3/p44/42 signaling molecules were found to be phosphorylated by IFN- $\gamma$  in macrophages and translocated into nucleus. Further, PTN promoter analysis showed that a gamma activated sequence located at -2086 to -2078 bp is essential for IFN- $\gamma$ -regulated promoter activity. Moreover, electrophoretic mobility shift, supershift, and chromatin immunoprecipitation analyses revealed that both STAT1 and STAT3 bind to the gamma-activated sequence at the chromatin level in the IFN- $\gamma$  stimulated cells. Finally, to test whether the combined effect of STAT1/STAT3/p44/p42 signaling is required for the expression of PTN in macrophages, gene knockdowns of those transcription factors were performed using si RNA. Indeed, cells lacking STAT1, but not STAT3 or P42, markedly reduced PTN mRNA level. These data highlight the role of inflammatory cells in the expression of PTN in the highly vascularized plaques. We are currently developing Apo E-/- PTN-/- double knockout mice to more clearly define the role of PTN in atherogenesis.



**Statin Therapy for the Prevention of Atrial Fibrillation**

Anne B. Curtis, MD, Kevin Kip, PhD, Charles Lambert, MD, PhD, Maureen Groer, PhD, RN. University of South Florida, Tampa, FL

**Background:** AF is the most common sustained arrhythmia in the adult population, yet currently available antiarrhythmic treatment is only modestly effective. There is strong evidence that inflammation contributes to the pathogenesis of AF. Atorvastatin is an HMG-CoA reductase inhibitor (statin), a class of drugs that has been shown to have beneficial anti-ischemic, antiarrhythmic, and anti-inflammatory effects, in addition to their lipid-lowering properties. Clinical studies of the use of statins for the treatment of AF have been limited. Therefore, we will test the hypothesis that the established anti-inflammatory actions of atorvastatin will delay the time to first recurrence of symptomatic AF in patients with objective evidence of systemic inflammation.

**Methods:** We have designed a prospective, randomized, placebo-controlled multicenter clinical trial of atorvastatin therapy versus placebo for the prevention of recurrences of AF. Patients eligible for the study will be in sinus rhythm at the time of enrollment and have a history of at least one episode of symptomatic AF documented within the preceding three months along with an elevated high sensitivity C-reactive protein level ( $\geq 2.0$  mg/L). Six hundred patients will be recruited and followed for one year. The primary endpoint of the study is the time to first symptomatic recurrence of AF. An important secondary endpoint is total AF burden, as determined from full disclosure monitors in a subset of 150 patients in the study at baseline and at six months. We will also determine the effect of atorvastatin on symptomatic and asymptomatic recurrences of AF with intermittent monitoring over the 12 month followup period. As the hypothesis of the study is that inflammation is the mechanism by which atorvastatin would affect the natural history of AF, we will test the effects of atorvastatin on well-established circulating non-specific mediators of inflammation such as plasma C-reactive protein and determine whether a change in these biomarkers is associated with a delay in first recurrence of AF.

**Conclusion:** The significance of the research is that it would demonstrate that a novel, non-antiarrhythmic drug strategy is effective in the treatment of AF. Such an approach would have a widespread public health impact on reducing the burden of AF. In addition, mechanistic insight into the pathogenesis of AF recurrence and drug response will be provided by the biomarker studies.



### Transcriptional Regulation of Coronary Blood Vessel Development

Nata Diman, PhD, Gabriel Brooks, MD, Boudewijn Kruithof, PhD, Cathy J Hatcher, PhD, Craig T Basson, MD, PhD, Center for Molecular Cardiology, Division of Cardiology, Weill Cornell Medical College, New York, NY

Anomalies of the coronary artery are associated with both human morbidity and mortality, but their genetic etiologies remain unclear. *TBX5*, a T-box transcription factor, plays a critical role in the development of the cardiovascular system. Mutations in the human *TBX5* cause the familial disorder Holt-Oram syndrome, characterized by congenital heart malformations in the setting of upper limb deformity. *Tbx5* is expressed not only in the myocardium, but also in the coronary vasculature and epicardium and the proepicardial organ. Coronary vascular endothelium and smooth muscle arise from cells that originate in the proepicardial organ, migrate over the heart to form epicardium, and then migrate into the myocardium and undergo epithelial to mesenchymal transformation. Our studies show that *Tbx5* modulates migration of proepicardial cells and coronary blood vessel development. We have used mouse genetic engineering to demonstrate that pro-epicardial loss of *Tbx5* produces a delay in epicardial formation, altered epicardial structure, and impaired myocardial vascularization. The consequence is a subclinical myocardial hypoxia that could produce an insidious progressive cardiomyopathy. We further hypothesized that *Ets2* might be a downstream mediator of *Tbx5*. We have shown that proepicardial expression of *Ets2* is *Tbx5* dependent. Inhibition or overexpression of *Tbx5* in proepicardial cells decreases or increases *Ets2* expression respectively. By *in situ* hybridization, we demonstrate that *Ets2* and *Tbx5* are co-expressed in the proepicardium in stage 14-17 chick embryos and in the epicardium at stage 20-24 chick embryos, a critical point in which their shared effects may mediate coronary vasculogenesis. Differential expression of *Ets2* and in non-proepicardially derived cardiac outflow tract suggests independent activities in other lineages. To determine the functional contributions to coronary vasculogenesis, we employed antisense technology to knockdown either *Tbx5* or *Ets2* expression. We have shown that antisense knockdown of *Tbx5* impairs proepicardial migration. We also demonstrate significant inhibition of cell migration by *Ets2* knockdown in primary proepicardial explant cultures. These findings support the hypothesis that *Ets2* acts in a common pathway with *Tbx5* to regulate proepicardial cell migration and coronary vasculogenesis. (Supported by NIH R01-HL80663, RC1-HL100579, HHMI, the Snart Cardiovascular Fund, and Beverly and Raymond Sackler.)



### Molecular & Cellular Imaging Using Ultrasound Contrast Agents

Flordeliza S. Villanueva, M.D., Center for Ultrasound Molecular Imaging and Therapeutics, University of Pittsburgh Medical Center, Pittsburgh, PA

Ultrasound contrast agents used in clinical cardiology are gas-filled microspheres (microbubbles) that are 3-4  $\mu\text{m}$  in diameter which have intravascular kinetics comparable to that of red blood cells. In the presence of an ultrasound field at the appropriate frequency and acoustic power, these microbubbles can be induced to oscillate (expand and contract), resulting in unique acoustic emissions that can be detected by non-linear ultrasound imaging systems. This property is the basis for the use of contrast agents as red blood cell tracers for left ventricular cavity opacification during echocardiography and for ultrasound perfusion imaging of the myocardium.

The non-linear oscillations of microbubbles in an ultrasound field are also the basis for novel applications of these contrast agents for molecular diagnostics and therapies utilizing ultrasound. The surface of the microbubbles can be modified to display targeting ligands that confer specific binding of the microbubbles to endothelial epitopes that are overexpressed in cardiovascular disease, for example. Binding of the microbubbles to the target manifests as a persistent contrast effect during non-linear ultrasound imaging. We have designed microbubbles to bind to families of leukocyte adhesion molecules via a monoclonal antibody or peptide sequences on the microbubble shell. This approach can detect inflammatory states such as cardiac transplant rejection. We have shown that targeted echocardiographic imaging of selectin molecules detects myocardial ischemic memory, which may lead to the more sensitive and specific diagnosis of cardiac chest pain in patients presenting to the emergency department with chest discomfort of uncertain etiology. Ultrasound molecular imaging of angiogenesis is also possible using vascular endothelial growth factor 121 (VEGF121) as the targeting moiety and other peptide sequences which bind specifically to angiogenic endothelium.

We have also demonstrated the potential to track the *in vivo* fate of stem cells using polymer microbubbles that are internalized by human mesenchymal stem cells, rendering the cells acoustically active. The ability to ultrasonically image the *in vivo* fate of cell therapies should facilitate the translation and optimization of cell therapies in cardiovascular disease. Finally, the unique behaviors of microbubbles in an ultrasound field are also the bases for therapeutic applications such as drug and gene delivery using ultrasound-mediated microbubble destruction. The ultimate translation of these promising applications of microbubble-ultrasound interactions will require multidisciplinary collaborations in bioengineering, chemistry, physiology, acoustics, physics, clinical medicine/imaging, and molecular biology.



### Sex/Gender Differences in CVD – A Model for Translation to Improved Outcomes

C. Noel Bairey-Merz, CJ Pepine, LJ Shaw, LD Johnson, B Sharaf, V Bittner, GD Braunstein, R Azziz, E Handberg, C Shufelt, M Minissian, G Sopko, SF Kelsey, for the WISE Study Group, Cedars-Sinai Medical Center, Los Angeles, CA, University of Florida, Gainesville, FL, University of Pittsburgh, Pittsburgh, PA

The NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE) has documented a high prevalence of coronary vascular dysfunction in women with symptoms and evidence of ischemia with no obstructive CAD. The condition is associated with an adverse prognosis and healthcare costs similar to obstructive CAD, there are an estimated 2-3 million women with existent disease, and a projected 100,000 new cases annually. This places the prevalence, morbidity and costs of coronary vascular dysfunction higher than all female reproductive cancers combined. Prospective testing of a noninvasive approach for diagnosis and prognosis is needed as critical next steps toward translation of our findings into clinical care. Established WISE core laboratories and clinical sites have provided new understanding and tools for estimating prognosis for adverse outcomes. The WISE studies have conducted clinical trials to test therapeutic interventions. Results have provided practicing physicians with the ability to translate the findings into clinical care for improved IHD outcomes.

1. Shaw LJ, Bairey Merz CN, Pepine CJ, Reis SE, Bittner V, Kelsey SF, Olson M, Johnson BD, Mankad S, Sharaf BL, Rogers WJ, Wessel TR, Arant CB, Pohost GM, Lerman A, Quyyumi AA, Sopko G. Insights from the NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE) Study: Part I: gender differences in traditional and novel risk factors, symptom evaluation, and gender-optimized diagnostic strategies. *J Am Coll Cardiol* 2006;47:S4-20.
2. Bairey Merz CN, Shaw LJ, Reis SE, Bittner V, Kelsey SF, Olson M, Johnson BD, Pepine CJ, Mankad S, Sharaf BL, Rogers WJ, Pohost GM, Lerman A, Quyyumi AA, Sopko G. Insights from the NHLBI-sponsored Women's Ischemia Syndrome Evaluation (WISE) Study: Part II: gender differences in presentation, diagnosis, and outcome with regard to gender-based pathophysiology of atherosclerosis and macrovascular and microvascular coronary disease. *J Am Coll Cardiol* 2006;47:S21-9.



### ROLE OF THE EPICARDIUM IN NONISCHEMIC VENTRICULAR TACHYCARDIA

David J Wilber MD, Loyola University Medical Center

Ventricular tachycardia (VT) arises through multiple mechanisms including triggered activity, automaticity and reentry. The substrates for these processes are typically localized in the subendocardium. Recent experience with catheter ablation of these arrhythmias has indicated that endocardial approaches are often unsuccessful in eliminating VT, prompting an exploration of alternative sites of origin. The development of a percutaneous subxyphoid approach to accessing the ventricular epicardium for mapping and ablation over the past 10 years has permitted a more detailed evaluation of epicardial substrates in generating VT.

In patients without demonstrable structural heart disease, focal mechanisms of VT predominate. In ~10% of patients, endocardial sites of origin cannot be identified. In our experience with 30 such patients, 23 had a focal origin of VT arising near the coronary vasculature or cardiac valves. These VTs were catecholamine enhanced and when sustained, could not be entrained but could be terminated by adenosine; these features are most compatible with triggered activity. Ablation is feasible and frequently successful, but procedural modifications are required to avoid injury to adjacent structures. In remaining patients, VT arose remote from valvular or vascular structures, with activation patterns suggesting simultaneous breakthrough on both endocardium and epicardium. A potential intramural source of focal activity is suggested by successful ablation of overlying endocardial and epicardial surfaces.

In patients with nonischemic dilated cardiomyopathy (NIDCM), VT is commonly due to macroreentry involving circuits incorporating surviving muscle fibers embedded with regions of scar and fibrosis, similar to post infarction VT. Recent studies in our laboratory and others demonstrate key differences in the substrate between patients with NIDCM compared to post MI VT. NIDCM is associated with a larger area of epicardial relative to endocardial scar, and a greater frequency of epicardial diastolic potentials (indicative of delayed activation of surviving muscle bundles). In a series of 60 patients with NIDCM undergoing ablation, at least one VT required mapping and ablation in the epicardial space in 50% of patients. While these latter VT circuits were most commonly confined to the epicardial surface, combined epicardial and endocardial ablation of an intramural component was required in several patients. VT in patients with right ventricular cardiomyopathy/dysplasia (ARVC/D) is typically due to macroreentry arising from right ventricular scar. Endocardial ablation has been frequently ineffective in achieving long-term elimination of VT. While the right ventricular wall is generally assumed to be thin, regional hypertrophy and dense scar may be responsible for the inability to produce transmural lesions. Similar to the findings in NIDCM, epicardial scar in ARVC/D is common, and often has a distribution distinctly different and of greater extent than endocardial scar. In a series of 24 patients with ARVC/D, at least one VT was epicardial in 30% of patients. The epicardium plays an important role in the generation of VT both in patients with and without structural heart disease; an epicardial approach is often required for successful ablation.



### Rethinking Resynch: It More than Meets the Eye

David A. Kass, Khalid Chakir, Takeshi Alba, Andreas Barth, Giulio Agnotti, Albert Lardo, Jennifer Van Eyk, Gordon Tomaselli, Johns Hopkins Medical Institutions, Baltimore, MD

In the late 1980's pioneers working mostly in Europe started exploring the potential to improve failing heart function by pacing it. First, the focus was on altering the PR interval to optimize filling, but this provided little change in the majority of patients. The switch was then made to pacing several places at once, particularly in hearts where conduction delay existed, and this ultimately proved far more successful. The field evolved rapidly and almost entirely at the clinical level, with cath-lab studies revealing mechano-energetic improvements, imaging studies showing restoration of mechanical "synchrony", the term cardiac resynchronization therapy (CRT) invented, multi-center clinical trials conducted, and a new therapy approved (based on a modest size study with no mortality end-point) all within a remarkably short period of 4-5 years. This speed was certainly helped by our notion that we understood the "mechanism" – i.e. that the heart with dysynchrony performs poorly and less efficiently, and rendering it synchronous was helpful. We learned that QRS duration did not optimally predict responders, and spent the next several years working on imaging methods to detect dysynchrony more accurately to target treatment. We are not yet successful in this, but more importantly, are starting to learn that the "mechanism" of CRT is far more complex and intriguing than initially thought. Wall motion may not be the sole marker for diagnosing the right patient. Only in the past few years have we developed animal models to study CRT, and are observing profound changes in underlying myocardial biology. This includes restoration of myocyte rest and  $\beta$ -adrenergic responsiveness by novel mechanisms, enhanced myofilament  $\text{Ca}^{2+}$  sensitivity, improved repolarizing ion currents, reversal of profound transcriptome heterogeneity, major changes in the mitochondrial proteome with increased efficiency of ATP generation; most all observed globally in the resynchronized heart. It's time to rethink resynch.



### Molecular Mechanisms Regulating Vascular Tone and Blood Pressure

Michael E. Mendelsohn, M.D.

Hypertension, a major cardiovascular risk factor and cause of mortality worldwide, is thought to arise exclusively from primary renal abnormalities. However, the etiology of most cases of hypertension remains unexplained. Over the past decade we have been exploring the hypothesis that primary abnormalities in critical vascular tone smooth muscle cell (VSMC) proteins that regulate vascular tone can lead to abnormalities of blood pressure regulation, including hypertension. VSMC tone is regulated by  $\text{Ca}^{2+}$ -dependent and  $\text{Ca}^{2+}$ -independent contractile pathways, and vascular relaxation is regulated especially by the nitric oxide-cyclic GMP-cGMP-dependent protein kinase type I (PKG1) pathway. Over the past fifteen years, our laboratory has explored the molecular targets of PKG1 and the domains of PKG1 involved in mediating interactions with these targets. This work has defined a family of PKG1-interacting proteins involved in molecular regulation of VSMC relaxation. In this presentation we describe mice that created a selective mutation in the N-terminal protein interaction (leucine zipper) domain of PKG1 $\alpha$ , which disrupts the PKG1 interaction with myosin phosphatase, a critical mediator of VSMC relaxation. These mice display inherited VSMC abnormalities of contraction, abnormal relaxation of large and resistance blood vessels, and increased systemic blood pressure. Renal function studies and responses to changes in dietary sodium in these PKG1 $\alpha$  mutant mice are normal. These data reveal that PKG1 $\alpha$  is required for normal VSMC physiology and support the idea that high blood pressure can arise from a primary abnormality of vascular smooth muscle cell contractile regulation, suggesting a new approach to the diagnosis and therapy of hypertension and cardiovascular diseases.





### Dabigatran versus Warfarin in Patients with Atrial Fibrillation

Michael Ezekowitz, M.D., Ph.D.

**Background:** Warfarin is very effective in reducing stroke in patients with atrial fibrillation but is difficult to use. Dabigatran is a new “user friendly” oral direct thrombin inhibitor.

**Methods:** In a non-inferiority trial, 18,113 patients with atrial fibrillation at risk of stroke were randomized to blinded fixed doses of Dabigatran 110 mg or 150 mg twice daily versus unblinded adjusted warfarin. Median follow-up was 2.0 years. The primary outcome was stroke or systemic embolism.

**Results:** Rates of the primary outcome were 1.69% per year on warfarin versus 1.53% per year on Dabigatran 110 mg (relative risk 0.91, 95% confidence interval 0.74 to 1.11;  $p$  [non-inferiority]  $<0.001$ ) and 1.11% per year on Dabigatran 150 mg (relative risk 0.66, 95% confidence interval 0.53 to 0.82;  $p$  [superiority]  $<0.001$ ). Rates of major hemorrhage were 3.36% per year on warfarin versus 2.67% per year on Dabigatran 110 mg ( $p=0.002$ ) and 3.11% per year on Dabigatran 150 mg ( $p=0.32$ ). Rates of hemorrhagic stroke were 0.38% per year on warfarin versus 0.12% per year on Dabigatran 110 mg ( $p<0.001$ ) and 0.10% per year on Dabigatran 150 mg ( $p<0.001$ ). Mortality rates were 4.13% per year on warfarin versus 3.75% per year on Dabigatran 110 mg ( $p=0.13$ ) and 3.64% per year on Dabigatran 150 mg ( $p=0.051$ ).

**Conclusions:** In patients with atrial fibrillation, Dabigatran 110 mg was associated with similar rates of stroke and systemic embolism to warfarin, and lower rates of major hemorrhage. Dabigatran 150 mg was associated with lower rates of stroke and systemic embolism than warfarin, and similar rates of major hemorrhage. Both doses of Dabigatran substantially reduced intra-cerebral bleeding.

### Dysregulation of G-Protein Signaling and Right Ventricular Outflow Tract Tachycardia

Bruce B Lerman, M.D. Weill Medical College of Cornell University

The most common form of “idiopathic” ventricular tachycardia is focal in origin, localizes to the right ventricular outflow tract (RVOT), is sensitive to perturbations that lower intracellular calcium, and is thought to result from cyclic AMP-mediated triggered activity due to intracellular calcium overload and delayed after depolarizations. We have previously identified a somatic mutation in the GTP binding domain of the inhibitory G protein  $G_{\alpha i2}$  (F200L) in RVOT tachycardia. We hypothesized that mutations in the stimulatory G protein  $G_{\alpha s}$  could be responsible for some forms of RVOT tachycardia, as well as other proteins involved in regulation of intracellular calcium. To that end, genomic DNA was prepared from myocardial biopsy samples obtained from 15 patients with RVOT tachycardia. Samples were obtained from the site of origin of VT and remote sites. Coding exons of  $G_{\alpha s}$ ,  $G_{\alpha i2}$ , A1 adenosine receptor,  $\beta$ -adrenergic receptor and RyR2 were PCR-amplified and subjected to automated sequence analysis. Two somatic point mutations were identified from the arrhythmogenic focus in 2 different patients, one in the adenosine receptor (A1AR R296C) and the other in  $G_{\alpha s}$  (W234R). In the latter case, the mutation was located in the GTP binding domain of  $G_{\alpha s}$ . This region is highly conserved. Stable transfection of wild-type and mutant  $G_{\alpha s}$  into  $G_{\alpha s}$ -deficient cyc<sup>-</sup> S49 cells revealed that this mutation elevated basal intracellular cyclic AMP levels 16 times that of wild-type  $G_{\alpha s}$ , consistent with a constitutively activating mutation. Guanine nucleotide binding and hydrolysis analysis showed that the mutation is characterized by loss of GTPase activity. No mutations were detected in  $G_{\alpha s}$  sequences from myocardial tissue sampled from regions remote from the site of origin of tachycardia. These findings suggest that somatic cell mutations in the G protein signal transduction pathway may be responsible for some forms of RVOT tachycardia.

### Intrinsic Cardiac Nerve Activities and the Spontaneous Onset of Atrial Tachyarrhythmia

Eue-Keun Choi, Seong-Wook Han, Dae-Hyeok Kim, Samuel Hwang, Sameh Sayfo, Mark J. Shen, Gianfranco Piccirillo, Chun Hwang, Shien-Fong Lin, Peng-Sheng Chen, Krannert Institute of Cardiology and the Division of Cardiology, Department of Medicine, Indiana University School of Medicine, Indianapolis, IN

**OBJECTIVES:** Intrinsic cardiac ganglionated plexi are known to play important roles in cardiac arrhythmogenesis. We sought to directly record the intrinsic cardiac nerve activity (ICNA) and extrinsic cardiac nerve activity (ECNA) simultaneously and to test the hypothesis that ICNA always precedes the onset of spontaneous atrial tachyarrhythmia.

**METHODS:** We implanted Data Sciences International (DSI) radiotransmitters in 6 dogs to record ECNA (stellate ganglion nerve activity, SGNA; vagal nerve activity, VNA) and ICNA (superior left ganglionated plexi nerve activity, SLGPNA; ligament of Marshall nerve activity, LOMNA). After baseline recording, we performed intermittent rapid (640 bpm) left atrial pacing for 6 days, followed by DSI recording for one day (off pacing). This protocol repeated itself until persistent (> 48 hrs) atrial fibrillation (AF) occurred. The nerve discharges were quantified by integrated nerve activity (Int-NA).

**RESULTS:** Five out of 6 dogs developed persistent AF after  $39 \pm 24$  days pacing (range 20 to 72 days). We analyzed 29 episodes of paroxysmal atrial fibrillation (PAF) and 164 episodes of paroxysmal atrial tachycardia (PAT). The PAT and PAF episodes were invariably (100%) preceded (<5 s) by ICNA. Most of PAT events (89%) were preceded by ICNA and sympathovagal co-activation, whereas 11% was preceded by ICNA and SGNA-only activation. Most of PAF events were preceded only by ICNA (72%); the remaining 28% by ECNA and ICNA together. Int-NA (in mV) from all channels was significantly increased after rapid pacing as compared to baseline (SGNA from  $2.3 \pm 1.3$  to  $2.6 \pm 1.3$  mV-sec,  $p=0.022$ ; VNA from  $0.7 \pm 0.3$  to  $0.8 \pm 0.2$  mV-sec,  $p=0.001$ ; SLGP from  $0.7 \pm 0.4$  to  $2.2 \pm 2.0$  mV-sec,  $p<0.001$ ; LOMNA from  $3.8 \pm 2.5$  to  $5.9 \pm 1.0$  mV-sec,  $p<0.001$ ). ICNA increased faster than ECNA (SLGPNA and LOMNA doubled the amplitude within 1~2 weeks while SGNA and VNA within 3 ~ 4 weeks after pacing).

**CONCLUSION:** Intermittent atrial pacing caused significant electrical remodeling, as evidenced by large increases of ICNA and ECNA. All PAT and PAF episodes were invariably preceded by ICNA, documenting the importance of ICNA in atrial arrhythmogenesis.



### Increased Left Ventricular Mass is Associated with Long-term Blood Pressure Variability Beginning in Childhood in Black Adults: The Bogalusa Heart Study

Wei Chen, Sathanur R. Srinivasan, Litao Ruan, Gerald S. Berenson, Tulane Center for Cardiovascular Health, Tulane University, New Orleans, LA

**Background:** Blood pressure (BP) is a very labile physiologic parameter in health and disease. Increased 24-hour ambulatory BP variability is associated with severity of end-organ damage and a higher rate of cardiovascular events, even after adjusting for levels. This study assessed the hypothesis that long-term BP variability from childhood to adulthood, besides levels is predictive of adulthood left ventricular mass (LVM).

**Methods:** The longitudinal study cohort consisted of 1053 subjects (718 whites and 335 blacks; 42% males, ages = 24-48 years; mean age = 38.4 years) enrolled in the Bogalusa Heart Study. Study subjects were examined serially 4-14 times for BP from childhood to adulthood over an average of 19.7 years follow-up, since 1973, with 8515 observations of BP. Echocardiography was performed in adulthood between 2001 and 2009. The BP variability from childhood to adulthood was measured as long-term variability from mean levels.

**Results:** Blacks versus whites showed significantly greater BP variability (mmHg) (9.1 vs 6.7 for systolic BP,  $p<0.001$  and 8.0 vs 6.6 for diastolic BP,  $p<0.001$  and higher LVM index (gram/height in  $m^{2.7}$ ) (38.8 vs 35.4,  $p<0.001$ ). In multivariable regression analyses, adjusting for age, sex, body mass index, LDL cholesterol, glucose, and the average long-term BP levels, LVM index ( $g/m^{2.7}$ ) in adulthood was significantly associated with systolic BP variability (mmHg) (regression coefficient  $\beta=0.66$ ,  $p<0.001$ ) and diastolic BP variability (mmHg) ( $\beta=0.81$ ,  $p<0.001$ ) in blacks, but not in whites. Importantly, the standardized regression coefficients of the BP variability were greater than those of long-term BP levels ( $\beta=0.23$  vs  $\beta=0.11$  for systolic BP;  $\beta=0.06$  for diastolic BP).

**Conclusions:** These findings indicate that long-term BP variations reflecting stimulus-response characteristics are predictive of left ventricular hypertrophy in adulthood, independent of BP levels, among black individuals. These observations have implications for preventive cardiology.

Key words: blood pressure variability; left ventricular mass; Hypertension; childhood; black-white



## UPCOMING MEETINGS

- January 6-7, 2011 (50<sup>th</sup> Year Anniversary of AUC)  
[Arizona Biltmore, Phoenix, Arizona](#)
- January 12-13, 2012  
[Carmel Valley Ranch, Carmel, California](#)

ASSOCIATION  
of  
UNIVERSITY CARDIOLOGISTS

August 29, 1962

Office of the Secretary-Treasurer  
University of Colorado Medical Center  
4200 East 9th Avenue  
Denver 20, Colorado

Dear Member:

The Second Annual Meeting will be held Thursday and Friday, February 14 and 15, 1963, at the Drake Hotel in Chicago. Although a block of rooms is being held, reservations for rooms should be made as far in advance as possible, stating the dates of arrival and departure. The scientific meeting will be held from 1:00 P.M. to 5:00 P.M. on February 14 and from 9:00 A.M. to 1:00 P.M. on the following morning, February 15.

We are, at this time, announcing the first call for abstracts. We urge everyone to submit an abstract for this is a critical year in the history of the Association, and it is important that the first flush of enthusiasm that led to the establishment of the Association not be dissipated. Thus, every effort must be exerted to make this second meeting as much of, or, if possible, a greater success than the first meeting. The final date for receipt of abstracts is November 14, 1962. Three copies of each abstract are requested. Names of co-authors who are not members of the Association should be followed by the phrase "By Invitation," although non-members may be associated with the paper, the paper must be presented by a member of the Association. The abstracts should be forwarded to the Office of the Secretary-Treasurer.

Nominees for membership in the Association with all necessary information should also be in the office of the Secretary-Treasurer by November 14, 1962, if they are to be considered by the council prior to the annual meeting. Although several individuals have been mentioned as possible candidates at the present time there are only two nominees whom have all the essential information in the office of the Secretary-Treasurer. These nominees are Dr. Harry Bliss of Illinois University and Dr. Bruce Logue of Emory University.

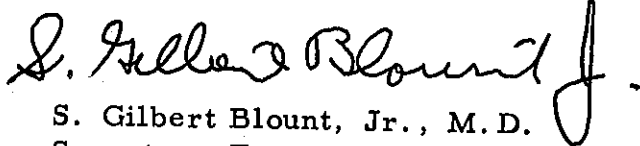
I am also enclosing with this letter a copy of the Constitution of the Association and also a list of the current membership.



The incorporation of the Association of University Cardiologists, Inc., has now been completed. The Certificate of Incorporation has been duly executed and properly filed with the Secretary of State, of the State of New York, effective legal date, June 4, 1962. In accordance with the arrangements previously agreed upon, the legal fees incurred in the process of incorporation, have been prorated and are being assumed by the founding members of the Association. Dr. Eichna negotiated the incorporation of the Association, and we are all indebted to him for this service.

This letter is also to announce that collection of the annual dues is now in order. An official statement will be forwarded within the next few days. Should there be any questions relative to the annual meeting of the Association, please communicate with this office at any time.

Sincerely yours,

A handwritten signature in cursive script, reading "S. Gilbert Blount, Jr.", followed by a period.

S. Gilbert Blount, Jr., M.D.  
Secretary-Treasurer

SGB/aw

ASSOCIATION  
of  
UNIVERSITY CARDIOLOGISTS

January 25, 1963

Dear Member:

Enclosed please find the program for our Second Annual Meeting of the Association of University Cardiologists, to be held, as you know, at the Drake Hotel on the 14th and 15th of next month.

I believe the program to be a very interesting one and certainly hope that everyone will come prepared to discuss the papers that fall within their realm of interest, for certainly I am sure that we all agree that the rather extensive and stimulating discussion was the most refreshing and rewarding part of our initial meeting last year.

This letter should also stand as a reminder to make certain that you have made your reservations at the Drake Hotel for the meeting, for although a block of rooms has been tentatively set aside, it is necessary that each member writes to the Drake for their own reservation.

I am also at this time enclosing a list of all physicians who have been proposed for membership in the Association, together with the proposer and the person seconding the original nomination. Although the time is late, I do hope that you will drop me a line relative to any of the nominees with whom you are personally acquainted, for this will certainly help us in arriving at a final decision at the time of the Council meeting. This list, as you will note, consists of about 25 names, I believe. There were an additional 15 names whose applications were not complete for one reason or another, either for lack of a seconding vote or because of the lack of a letter from a suitable official of the University indicating their status at the University relative to their full-time commitment.

I do urge every member to attend this second meeting of the Association, and hope that the meeting will be as successful as the initial effort. I will look forward to seeing you all in Chicago at the Drake Hotel on February 14.

Sincerely,



S. Gilbert Blount, Jr., M. D.

Secretary-Treasurer

Association of University Cardiologists

SGB/vjf

Enc. 2

University of Colorado Medical Center  
4200 E. Ninth  
Denver, Colorado

NOMINEE	NOMINATOR	SECONDER
Eugene Braunwald	W. Proctor Harvey	Thomas Mattingly
James K. Alexander	Raymond D. Pruitt	James V. Warren
Leonard Cobb	Herbert N. Hultgren	Lewis Dexter
Muir Clapper	Park W. Willis, III	Franklin D. Johnston
Howard Burchell	Raymond D. Pruitt	Carleton B. Chapman
John F. Dakaman	S. Gilbert Blount, Jr.	William R. Milnor
John Evars	Harper Hellems	W. Proctor Harvey
Dale Groom	Calhoun Witham	Ernest Craige
Ernest W. Hancock	Herbert Hultgren	Walter Abelmann
Rejane Harvey	Irene Ferrer	S. Gilbert Blount, Jr.
Calvin Kay	Francis C. Wood	Harry F. Zinsser
James Leonard	Charles W. Crumpton	E. Harvey Estes, Jr.
Eugene Lepeschkin	Lewis Dexter	Walter Abelmann
David Littman	Lewis Dexter	Walter Abelmann
Bruce Logue	J. Willis Hurst	S. Gilbert Blount, Jr.
Robert J. Marshall	Thomas Mattingly	William R. Milnor
Johnson McGuire	Noble O. Fowler	S. Gilbert Blount, Jr.
Henry D. McIntosh	E. Harvey Estes, Jr.	Harold T. Dodge
David Rytand	Herbert N. Hultgren	Franklin Johnston
Truman G. Schnabel, Jr.	Francis Wood	Harry Zinsser
Madison Spach	Eugene A. Stead	E. Harvey Estes, Jr.
Arnold M. Weissler	James V. Warren	Eugene A. Stead
Gerald H. Whipple	Lewis Dexter	Walt Abelmann
Robert W. Wilkins	Lewis Dexter	Walt Abelmann
Paul M. Zoll	Lewis Dexter	Walt Abelmann

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

December 17, 1964

Secretary's Report for 1964 Meeting

The Council met prior to the annual meeting which was held at the Drake in Chicago on February 13, 14, 1964. Sixteen papers were presented and enthusiastically discussed at the Scientific Sessions.

Ten nominees for membership were approved by the Council and accepted by the members. They were:

1. Dr. Muir Clapper, Wayne State University, Detroit
2. Dr. John M. Evans, George Washington University, Washington, D.C.
3. Dr. David Green, State University of New York, Buffalo
4. Dr. Ernest W. Hancock, Stanford University, Palo Alto
5. Dr. Hans H. Hecht, formerly of University of Utah, now University of Chicago, Chicago
6. Dr. T. Joseph Reeves, University of Alabama, Birmingham
7. Dr. C. Glenn Sawyer, Bowman Gray, Winston-Salem
8. Dr. B.C. Sinclair-Smith, Vanderbilt University, Nashville
9. Dr. Arnold M. Weissler, Ohio State University, Columbus
10. Dr. Robert W. Wilkins, Boston University, Boston

At the annual business meeting an amendment to clarify the qualifications for membership under Section IA of Article III of the Constitution was approved. The possibility of establishing a formal relationship with the American Heart Journal was discussed. It was suggested that the Secretary poll the members for a decision.

The nominating committee of Drs. Mattingly, Pritchard and Dodge made the proposal that the following members be elected:

Dr. Ludwig W. Eichna, President

Dr. S. Gilbert Blount, Jr., Vice-President

Dr. Robert A. Bruce, Secretary-Treasurer for 3 years

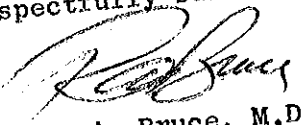
Dr. W. Proctor Harvey, Councillor for 3 years

They were unanimously elected to these offices.

Association of University Cardiologists, Inc.  
December 17, 1964  
Secretary's Report for 1964 Meeting - Cont'd.

In the interim, the members were polled; the majority did not favor a relationship with the American Heart Journal, largely because of implied responsibility analogous to that of the Editorial Board of the Journal. This information, together with a revised copy of the Constitution and list of members was circulated by mail in the spring of 1964.

Respectfully submitted,

  
Robert A. Bruce, M.D.  
Secretary

Association of University Cardiologists, Inc.

Secretary's Report of  
Fourth Annual Meeting, The Drake, Chicago, February 4, 5, 1965

1. Fifteen papers were presented during the scientific sessions and each received as much discussion as the schedule allowed. Forty-one members registered their attendance.
2. At the business meeting the reports of the Secretary-Treasurer for the preceding year, the deliberations of the Council, and the financial status of the Association were read and approved. Dr. Harper Hellems and Dr. John Graettinger graciously audited the Treasurer's records.
3. Dr. Harvey Estes indicated that the Nominating Committee had proposed the following members for election:

President: Dr. S. Gilbert Blount

Vice President: Dr. Raymond Pruitt

Secretary-Treasurer (previously elected for 3 years): Dr. Robert A. Bruce

Councilor: Dr. John Graettinger

It was moved and seconded that nominations be closed. With the passage of this motion the officers were elected.

4. Adoption of the Amendment to the Constitution, presented by the Council was moved by Dr. Burch, seconded by Dr. Yu, and passed as follows:


"Article III, Section V, Termination of Membership

B. The Council shall recommend to the Association that any member be dropped from the roster who habitually fails to attend three consecutive meetings or for any just cause." (The amendment inserts the words "three consecutive" into this statement.)


Further discussion indicated that it was the intention of the members to make this definition retroactive. Furthermore, the Council may use its discretionary powers to excuse a member who states in writing that his absence was due to recent acute illness or death in the family, or to his absence from the country at the time of the annual meetings.

5. President Eichna and several members made appropriate comments about the Constitutional responsibilities of members relative to proposing candidates with respect to scientific excellence and geographical representation, attending meetings, and presenting papers. Dr. Eichna also obtained the approval of appointing Dr. Harold Dodge, Secretary-Treasurer, pro tempore, should Dr. Bruce have the opportunity to be on sabbatical leave during the 1966 meeting.
6. Dr. Calvin Kay suggested that the annual meetings be scheduled for Friday and Saturday. Although 6 members supported this request, 35 preferred to retain the Thursday-Friday schedule.

Approved:

  
Dr. Ludwig Eichna  
President

Respectfully submitted,

  
Robert A. Bruce, M.D.  
Secretary  
Association of University Cardiologists, Inc.

# ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

OFFICE OF THE SECRETARY-TREASURER  
DEPARTMENT OF MEDICINE

UNIVERSITY OF WASHINGTON  
SEATTLE, WASHINGTON 98105

February 18, 1966

## SECRETARY'S REPORT OF FIFTH ANNUAL MEETING.    DRAKE HOTEL.    Feb. 10 & 11, 1966.

1. Sixteen papers were presented and discussed during the scientific sessions.
2. At the business meeting February 11, 1966, the reports of the Secretary-Treasurer for the preceding year, the deliberations of the Council, and the financial status of the Association were read and approved. Dr. Henry McIntosh and Dr. James Alexander audited and approved the Treasurer's records.
3. The following recommendations were approved:
  - a. Dr. Irene Ferrer be dropped from membership for non-attendance.
  - b. Dr. Franklin Johnston and Dr. Francis Wood be transferred to emeritus status.
4. The Council recommended the following individuals be admitted to membership, and all were unanimously approved:

Dr. Julian Beckwith	University of Virginia
Dr. David H. Blankenhorn	University of Southern California
Dr. Leonard A. Cobb	University of Washington
Dr. Hadley L. Conn, Jr.	University of Pennsylvania
Dr. Richard Ebert	University of Arkansas
Dr. Robert L. Grissom	University of Nebraska
Dr. Lewis E. January	State University of Iowa
Dr. Thomas Killip III	Cornell University
Dr. Charles E. Kossmann	New York University
Dr. Morton L. Pearce	UCLA
Dr. Ernest W. Reynolds, Jr.	University of Pennsylvania
Dr. Truman G. Schnabel, Jr.	University of Pennsylvania
Dr. Borys Surawicz	University of Kentucky

5. Drs. Charles Crumpton, Nobel Fowler and Harry Zinsser, who formed the nominating committee, proposed the following members for election:

President	Dr. Raymond D. Pruitt
Vice-President	Dr. Ernest Craige
Secretary-Treasurer	Dr. Robert A. Bruce (to continue)
Councilor	Dr. Herbert N. Hultgren

It was moved and seconded that the nominations be closed, and the above officers were elected.

Minutes of the Fifth Annual Meeting (cont.)

6. An Amendment to the Constitution was proposed by Dr. Burch, seconded and passed. This Amendment applies to the following:

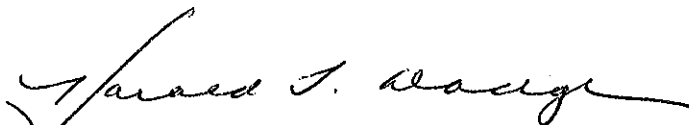
"Article III, Section V, Termination of Membership.

B. The Council shall recommend to the Association that any member be dropped from the roster who (habitually) fails to attend three consecutive meetings, or for any just cause."

The Amendment omits the work habitually.

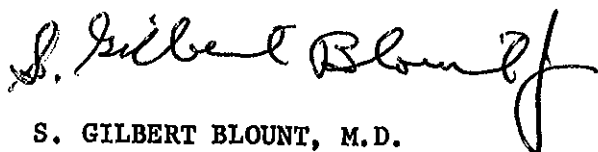
7. Dr. David Green requested that the Association take a stand relative to animal care legislation. This was opposed on the basis that this organization has attempted to avoid political actions.
8. Dr. Pruitt encouraged the membership to continue to recommend for membership appropriate individuals from schools not now represented in the Association.

Respectfully submitted



HAROLD T. DODGE, M.D.  
Secretary-Treasurer, pro-tempore

Approved:



S. GILBERT BLOUNT, M.D.  
President



ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

Sixth Annual Business Meeting

at the Drake Hotel, Chicago, February 10, 1967

MINUTES

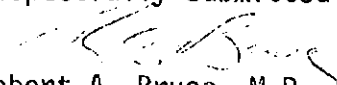
1. The meeting was called to order by the President, Dr. Raymond Pruitt. The Treasurer's report was read, and Doctors Thorpe Ray and Ernest Reynolds, who were appointed auditors, reported their approval.
2. The Minutes of the previous Business Meeting were summarized. The Secretary presented an interim report of the membership status and problems in programming the Annual Meeting. Both were accepted.
3. The Secretary presented the Minutes of the Council Meeting. Nine proposals for membership recommended by the Council were presented. In accord with the Constitution, a secret ballot was conducted and all nine proposants were elected to membership.
4. Some difficulty was encountered in planning for the next Annual Meeting of the Association. Since both an earlier date and a much later date, when the Drake will be available, were not acceptable to the membership, it was decided to schedule the Seventh Meeting for Thursday and Friday, February 8th and 9th, 1968, at the Continuation Center of the University of Chicago. Dr. Hans Hecht will make the appropriate arrangements.
5. Dr. Paul Yu reported for the Nominating Committee that the following members were proposed as the new officers:

President	Dr. Ernest Craige
Vice-President	Dr. Robert A. Bruce
Secretary-Treasurer-(1968-1970)	Dr. Proctor Harvey
Councillor-(1968-1970)	Dr. Eugene Stead

A motion to elect all was carried.

6. The meeting was adjourned, and the remainder of the Scientific Program was chaired by the President-Elect, Dr. Ernest Craige.

Respectfully submitted,

  
Robert A. Bruce, M.D.  
Secretary-Treasurer  
Association of University  
Cardiologists

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

Seventh Annual Meeting

At the Ambassador Hotel, Chicago, Illinois

February 8 – 9, 1968

Minutes of this meeting were not available, but the 1968 program was included in the Appendix of the programs.

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

Eighth Annual Business Meeting

At the Ambassador Hotel, Chicago, February 6, 7, 1969

MINUTES

1. The meeting was called to order by the President, Dr. Robert A. Bruce. The Treasurer's report was read and approved by the auditors.
2. The following proposals for membership were recommended by the Council and were presented: Dr. Thomas N. James, Dr. J. O'Neal Humphries, Dr. John B. Johnson, Dr. Frank I. Marcus, Dr. Dean T. Mason, Dr. J. Ray Pryor, and Dr. John Ross, Jr. In accord with the Constitution a secret ballot was conducted and all were elected to membership.
3. Sixteen excellent papers were presented over the two days of the Scientific Sessions, each of which prompted pertinent discussion.
4. Total attendance was sixty-six.
5. The nominating committee proposed, and it was unanimously approved that the following slate of new officers were elected:

President	John S. Graettinger, M.D.
Vice President	Herbert Hultgren, M.D.
Secretary-Treasurer (term expires 1970)	W. Proctor Harvey, M.D.
Councillor (term expires 1970)	Eugene A. Stead, M.D.
Councillor (term expires 1971)	George Rowe, M.D.
Councillor (term expires 1972)	Charles W. Frank, M.D.

6. Dr. Carleton B. Chapman of Dartmouth Medical School resigned as of January 1968.
7. Dr. Lewis Dexter requested to change his status to Emeritus.
8. The following amendments to the Constitution were proposed by the Council and presented at the meeting:
  - (1) It was proposed that due to the fact that the total membership of 100 has almost been reached, and that new medical schools as well as other older medical schools do not have representation in the Association, that the limit of membership be increased to 120. This proposal appeared to be the desire of the great majority of members present. However, every member is entitled to vote on this change in the Constitution and it will be appreciated if you return your vote on the enclosed form.

- (2) Another revision, as listed below, was discussed and approved by the majority at the 7th and 8th Annual Meetings (and was reported in last year's minutes). This will also require your formal vote on the form which is also enclosed.

Revision of Section V - Termination of Membership

An active member who relinquishes his full-time University faculty position in academic medicine must inform the Association of his change of status. He may either apply for inactive membership or submit his resignation.

- (3) Addition of New Amendment -- Section VI - "Inactive Membership".

Inactive membership shall be conferred by the Council after review of the application from a member whose academic status has changed. Inactive members may attend meetings, but may not hold office or vote. They shall pay dues.

The next meeting will be held again at the Ambassador Hotel in Chicago on Thursday and Friday, February 5th and 6th, 1970.

After the Business Meeting the remainder of the Scientific Program was chaired by President-Elect, Dr. John S. Graettinger.

Respectfully submitted,

W. Proctor Harvey  
W. Proctor Harvey, M. D.  
Secretary-Treasurer  
Association of University  
Cardiologists, Inc.

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

Office of the Secretary-Treasurer

Minutes of the 1970 Meeting

*g.*

The Ninth Annual Meeting of the Association of University Cardiologists, Inc., was held on February 5 and 6, 1970 at the Hotel Ambassador in Chicago. Fifty-nine members were present.

The meeting was again characterized by presentations of interesting papers, followed by pertinent discussions from various members of the Association. The President, Dr. John S. Graettinger, wished to introduce a discussion on medical education, which was held at the last part of the afternoon session on 6 February. Dr. Eugene Braunwald talked on "The Role of a Department of Medicine in Pre-Clinical Teaching", and the Secretary-Treasurer outlined the new Teacher-Exchange Program of the American Heart Association.

At this meeting, the secretary reported that there was an excellent response to the poll of the membership which almost unanimously voted favorably on the proposal to increase the membership to 120, from its present number of 100. Also, to include in the Constitution, "Inactive Status of Membership".

A discussion was also held concerning the possibility of the Association of University Cardiologists joining the Council of Academic Societies of the Association of American Medical Colleges. This was introduced by Dr. Ernest Craige, former President of the Association, and after discussion it was again voted not to consider this proposal at this time.

New Officers elected were:

Herbert N. Hultgren, President, Palo Alto, Calif.  
W. Proctor Harvey, Vice-President, Washington, D. C.  
George G. Rowe, Secretary-Treasurer, Madison, Wisconsin

New Council members:

Noble O. Fowler, Cincinnati, Ohio  
Henry McIntosh, Durham, N. C.

Newly elected members to the Association are: Drs. Thomas A. Bruce, University of Oklahoma; Charles A. Sanders, Harvard Medical School, Ralph Shabetai, University of Kentucky School of Medicine; and Dr. John Thomas, Meharry Medical College.

Page #2.

We have learned that the American College of Cardiology meeting for 1971 will be the first week in February, and will be held in Washington, D. C. This obviously will conflict with the Association of University Cardiologists' meeting previously scheduled for the 4th and 5th of February 1971 at the Ambassador Hotel in Chicago. In view of this conflict the Association of University Cardiologists will have to change the meeting dates. The dates of next year's meeting, as arranged by Dr. George Rowe, will be on the 21st and 22nd of January 1971, and will be held at the Ambassador Hotel in Chicago. *SH*

In view of the difficulty of the Association remaining solvent on the annual dues of \$5.00, it was voted unanimously to increase the dues to \$10 per year.

Further correspondence will be coming from your new Secretary-Treasurer, Dr. George G. Rowe, of the University of Wisconsin School of Medicine, Madison, Wisconsin. Membership dues for 1970 should be mailed to Dr. Rowe, as noted in the attached "Dues Notice".

Sincerely yours,

*W. Proctor Harvey*  
W. Proctor Harvey, M. D.  
Immediate Past Secretary-Treasurer  
Association of University Cardiologists

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

Office of the Secretary-Treasurer

Minutes of the 1971 Meeting

January 21 & 22, 1971

Ambassador Hotel

Chicago, Illinois

MINUTES OF THE MEETING OF THE COUNCIL OF THE AUC, INC.:

8:30 a.m. - 12:00 noon, January 21, 1971

Presidents Suite, Ambassador Hotel, Chicago, Illinois

Members Present: President Herbert N. Hultgren, M. D.  
Vice President W. Proctor Harvey, M. D.  
Secretary-Treasurer George G. Rowe, M. D.  
Councillor Charles W. Frank, M. D.  
Councillor Henry D. McIntosh, M. D.  
Councillor Noble O. Fowler, M. D.

The next meeting place was reaffirmed as the Biltmore Hotel in Arizona, January 20 and 21, 1972. The Secretary was instructed to write to the Biltmore Hotel to put a hold on equivalent dates in January for the succeeding four years so that we will be assured of a place for the meeting, but with the understanding that the future reservations will depend on the satisfaction of the membership after they attend the first meeting in January 1972.

The problem of members who do not attend the meetings was raised. It was recommended that this be brought to the membership for reaffirmation of the constitution. There was considerable discussion concerning the acquisition of new members. In general, principles were again stated that the Association should be kept of such size that the meetings are readily manageable, discussion is free and easy, its present flavor of a group of people with a common interest and common goal. that of the University Cardiologist.

Twenty candidates who had been proposed for membership were considered. Of these 15 were new proposals in 1971, and five had been deferred from previous years. Two applications were incomplete and were not acted upon. The prime factor considered in the action taken on these appointments was caliber of the person as judged by personal knowledge of the members of the Council, as revealed by letters of recommendations from the members and as portrayed by the curriculum vitae and bibliography. Also considered were the value of the appointment to the individual and the school which he represented, as well as the value of the appointment to the University Cardiologists. Considerable time was spent discussing the distribution of candidates, the fact that many schools have no members at the present time,

and the fact that some schools which already have several members continue to propose excellent candidates for membership. All of these factors were weighed carefully in the decision concerning each new application. It was recommended by the Council and accepted by the membership that nine new members be accepted into the Association.

NEW MEMBERS ACCEPTED 1971:

Robert J. Adolph, M. D., University of Cincinnati College of Medicine  
Lawrence S. Cohen, M. D., Yale University School of Medicine  
Mario R. Garcia-Palmieri, M. D., Univ. of Puerto Rico School of Medicine  
Joseph C. Greenfield, Jr., M. D., Duke University Medical Center  
Edgar Haber, M. D., Harvard Medical School  
Francis J. Klocke, M. D., State Univ. of N. Y. at Buffalo School of Medicine  
John C. Mithoefer, M. D., Dartmouth Medical School  
Burton S. Tabakin, M. D., University of Vermont College of Medicine  
Andrew G. Wallace, M. D., Duke University Medical Center

MEMBERSHIP WAS DEFERRED FOR THE FOLLOWING:

Martin Brandfonbrenner, M. D., Northwestern University Medical School  
Gordon A. Ewy, M. D., University of Arizona College of Medicine  
Milton Hollenberg, M. D., Univ. of Calif. School of Med. at San Francisco  
Norman Krasnow, M. D., Downstate Medical Center, Brooklyn  
Frank W. Kroetz, M. D., University of Iowa College of Medicine  
Kiroshi Kuida, M. D., University of Utah College of Medicine  
Patrick H. Lehan, M. D., University of Mississippi School of Medicine  
Joseph V. Messer, M. D., Tufts University School of Medicine  
James F. Spann, M. D., Temple University School of Medicine  
Harold J. C. Swan, M. D., University of California at Los Angeles  
Edwin E. Westura, M. D., St. Louis University School of Medicine

INCOMPLETE APPLICATIONS NOT ACTED UPON:

The applications of Joseph Perloff and Donald C. Harrison arrived late and were not complete at the time they were sent out to reviewers so they were not acted upon at this Council Meeting.



MINUTES OF THE ANNUAL MEETING:

The annual meeting of the Association of University Cardiologists, Inc. was held January 21, 1971 from 1:00 p.m. until 5:30 p.m. and on January 22, 1971 from 8:30 a.m. until 1:00 p.m. Fifteen scientific papers were presented. The discussion, as always, was excellent. A total of forty-four (44) members attended. Four members were excused from attendance having written letters prior to the meeting explaining their absence to the President or the Secretary.

A Nominating Committee consisting of Thomas Killip, III, M. D. (Chairman), Walter H. Pritchard, M. D. and David H. Blankenhorn recommended Walter H. Abelmann, M. D. for Vice President and W. Proctor Harvey, M. D., for President for 1972. This was seconded and carried unanimously.

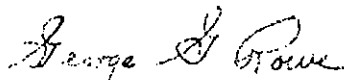
An Auditing Committee of Walter H. Abelmann, M. D. (Chairman), Noble O. Fowler, M. D. and Elliot Rapaport, M. D. was appointed by the President. The books were reported to be correct by Dr. Walter H. Abelmann and the report was accepted by the Association.

Hans H. Hecht, M. D. presented the idea to the Association that the Annual Meeting of the Undergraduate Cardiovascular Directors was expensive and time consuming and that the same purpose could be accomplished more expeditiously at less cost by a short meeting with NHLI officials in Washington. This was discussed but no action was taken.

The President announced that the next meeting would be at the Biltmore Hotel in Phoenix, Arizona on January 20 and 21, 1972. The business meeting terminated at 9:00 a.m. and W. Proctor Harvey, M. D. took over as the new President for the morning Scientific Session.

The Scientific Meeting was adjourned by President W. Proctor Harvey at 1:00 p.m.

Respectfully submitted,



---

George G. Rowe, M. D.  
Secretary-Treasurer AUC, Inc.

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, Inc.

Office of the Secretary-Treasurer

Minutes of the 1972 Meeting

January 20 & 21, 1972

Arizona Biltmore Hotel

Phoenix, Arizona

The Association of University Cardiologists held their 11th Annual Meeting at the Arizona Biltmore Hotel in Phoenix, Arizona on Thursday, January 20, 1972 and Friday, January 21, 1972. The meeting was attended by 59 members and there were 11 excused absences. A total of 19 papers were presented. The paper by Dr. Braunwald and associates was cancelled because of illness in Dr. Braunwald's family making it impossible for him to come.

The Council met in the President's Suite from 9:00 a.m. until 12:00 noon on Thursday, January 20, 1972. The meeting was attended by W. Proctor Harvey, President; Walter H. Abelman, Vice-President; Henry D. McIntosh and Noble O. Fowler, Councillors and George G. Rowe, Secretary-Treasurer. Charles W. Frank was excused by reason of illness. Actions taken by the Council were as follows:

REQUESTS REGARDING CHANGE OF STATUS:

1. The request of William S. Wilson to change to inactive status was denied on the basis of the constitutional statement that an active member who relinquishes his full-time faculty position in a university division of cardiology must do so. Unfortunately in this action the revision of the constitution stating that such an individual might apply for inactive membership was not taken into account. The Council was resurveyed by the Secretary to determine whether this request should be granted in accordance with the constitutional revision, and the fact of Dr. Wilson's 3 consecutive absences was considered. It was recommended by the majority that inactive status be granted.
2. Dr. Thomas M. Durant's request for retirement to emeritus status was accepted.
3. Dr. Calvin F. Kay's request for resignation was accepted.
4. Dr. Truman G. Schnabel's request for inactive status was denied on the basis of failure to attend the meetings. This was discussed personally with Dr. Schnabel, who did come to this meeting, at the request of other members of the council. Dr. Schnabel indicated he would make a definite formal commitment to the organization one way or the other, but has not done so as of 3-7-72.
5. Dr. C. Thorpe Ray's request to remain active although no longer associated with a medical school was denied on the basis of failure to attend the meetings and being no longer full-time at a medical school.
6. Dr. Herbert E. Griswold's status was changed from active to inactive.

REQUESTS REGARDING CHANGE IN ACADEMIC AFFILIATION:

1. Requests by John S. Graettinger and Richard A. Carleton to remain as active members, but from a different school, because of their current full-time association with Rush Medical College, were accepted.

EXCUSES AND NOTICES REGARDING MISSED MEETINGS:

Excuses were accepted from J. S. Graettinger, J. C. Mithoefer, D. G. Greene, R. Pruitt, J. R. Smith, C. W. Frank, L. A. Soloff, L. A. Cobb, C. G. Sawyer, J. H. Mitchell plus E. Braunwald. It was moved that a letter be sent to those who have failed to attend three consecutive meetings telling them of their impaired status with the Association and that notices also be sent to those members who have now failed to attend two meetings so that they will not miss the third meeting without knowing that this impairs their membership in the Association.

NEW MEMBERS SELECTED BY THE 1972 COUNCIL:

Francois M. Abboud, University of Iowa, Iowa City, Iowa.  
James E. Doherty, University of Arkansas Med. Center, Little Rock, Ark.  
Marvin I. Dunn, Univ. of Kansas Med. Center, Kansas City, Kansas.  
Donald C. Harrison, Stanford University, Palo Alto, California.  
Joseph V. Messer, Tufts Univ. Sch. of Med., Boston, Massachusetts.  
Harold J. C. Swan, U.C.L.A., Los Angeles, California.  
Edwin E. Westura, St. Louis Univ. Sch. of Med., St. Louis, Missouri.

APPLICATIONS DEFERRED AT 1972 COUNCIL MEETING:

Claude R. Joyner, Hahnemann Medical College & Hospital, Philadelphia, Pa.  
Gordon A. Ewy, University of Arizona College of Medicine, Tucson, Arizona.  
Patrick H. Lehan, Univ. of Mississippi School of Medicine, Jackson, Miss.  
Norman Krasnow, Downstate Medical Center, Brooklyn, New York.

APPLICATIONS NOT BROUGHT UP TO DATE AFTER DEFERRAL IN 1971:

Milton Hollenberg, Univ. of California Sch. of Med., San Francisco, Calif.  
Hiroshi Kuida, University of Utah College of Medicine, Salt Lake City, Utah.  
James F. Spann, Temple Univ. School of Medicine, Philadelphia, Pa.

APPLICATIONS REJECTED AT 1972 MEETING OF THE COUNCIL:

Brent M. Parker, Wash. Univ. Sch. of Med., St. Louis, Missouri.  
Reno R. Porter, Medical College of Virginia, Richmond, Virginia.

President Harvey appointed a Nominating Committee of Howard Burchell, Chairman, Robert C. Schlant and Harold T. Dodge; and an Auditing Committee of John B. Johnson, Chairman, and Frank I. Marcus.

The business meeting of the society was held from 8:15-9:20 a.m. on 1-21-72. The Secretary reported the Association to be in good financial status. This report was approved by the Auditing Committee and supported by the membership. The slate of new members approved by the Council was presented to the Association and elected by more than the required 3/4 of the active members present and voting at the meeting.

The place of next year's meeting was announced as the Arizona Biltmore and the time January 18 and 19, 1973, this was approved by the membership. It was approved that the Secretaries Secretary, Mrs. Mary Risberg be paid \$200.00 for her extensive secretarial services during the preceding year and that she be sent some flowers by the Association of University Cardiologists.

The Nominating Committee recommended Dr. Walter H. Pritchard for Vice-President and Dr. Richard S. Ross for Councillor. These were unanimously accepted by the members present and voting. Therefore your new officers for 1973 are as follows:

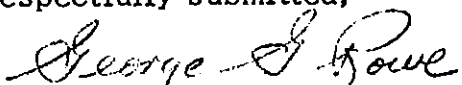
Walter H. Abelmann.....	President
Walter H. Pritchard.....	Vice-President
George G. Rowe.....	Secretary-Treasurer (1971-73)
Henry D. McIntosh.....	Councillor (1971-73)
Noble O. Fowler.....	Councillor (1971-73)
Richard S. Ross.....	Councillor (1973-75)

The question of the Association of University Cardiologists selecting a member to participate in the Health Manpower Organization Survey of the projected need for cardiologists was discussed in considerable detail. It was moved by John Johnson that an official representative of the Association should be appointed. This was seconded by Muir Clapper and carried with a minority of dissenting votes. It was moved by Harper Hellems and seconded by Ralph Shabetai that this individual be either the president of the organization or one whom he designated. It was agreed that our prime concern in this survey was the academic needs of cardiology and that our representative exercise due caution prior to indicating official approval of any documents generated from this report. It was moved by Mike Criley and seconded by Edgar Haber that the representative of the University Cardiologists be instructed to determine to his satisfaction that the opinions of the University Cardiologists were fairly represented in this report or that alternatives of filing a minority report or withdrawing from the report remain as acceptable options. This motion was carried.

Dr. Edgar Haber introduced discussion of the problem of a uniform date for acceptance of fellows requesting clinical training. This was discussed at considerable length and eventually it was recommended that the president appoint three members to survey this further.

The place of subsequent meetings after 1973 was discussed. The president and secretary were instructed to survey suitable locations in the southeastern section of the United States as a possible alternate place to hold the meeting so as to more nearly equalize expenses of the members in travel. The secretary was requested to circulate to the members a list of current members and their status as well as a list of schools who currently have no members.

Respectfully submitted,

  
George G. Rowe, M. D.  
Secretary-Treasurer AUC, Inc.

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

Twelfth Annual Meeting

Arizona Biltmore Hotel, Phoenix, Arizona

January 18 and 19, 1973

Minutes of this meeting were not available, but the 1973 program was included in the Appendix of the programs.

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

OFFICE OF THE SECRETARY-TREASURER

Minutes of the 1974 Meeting  
January 17 & 18, 1974  
Arizona Biltmore Hotel  
Phoenix, Arizona

--

The Association of University Cardiologists held their 13th Annual Meeting at the Arizona Biltmore Hotel in Phoenix, Arizona on Thursday, January 17, 1974 and Friday, January 18, 1974. The meeting was attended by 70 members and the excuses of 12 absent members were accepted.

The Council met on the morning of Thursday, January 17th from 8:30 a.m. until 12:00 noon and reviewed the credentials of 16 candidates nominated for membership. Of these the following were recommended for election:

1. Robert O. Brandenburg, Mayo Medical School, Rochester, Minnesota.
2. Nancy C. Flowers, University of Louisville School of Medicine, Louisville, Kentucky.
3. Rolf M. Gunnar, Loyola University Stritch School of Medicine, Hines, Illinois.
4. Peter T. Kuo, CMDNJ-Rutgers Medical School, Philadelphia, Pennsylvania.
5. Robert J. Luchi, Baylor College of Medicine, Houston, Texas.
6. Charles R. Mullins, University of Texas Southwestern Medical School, Dallas, Texas.
7. Charles E. Rackley, University of Alabama School of Medicine, Birmingham, Alabama.
8. James A. Shaver, University of Pittsburgh School of Medicine, Pittsburgh, Pennsylvania.
9. Burton E. Sobel, Washington University School of Medicine, St. Louis, Missouri.

Approval was recommended for requests for change to "Emeritus" status by George Burch and Raymond Pruitt. The Council recommended acceptance of the resignations of Edwin Westura (no longer full-time faculty), and E. Harvey Estes (unable to attend meetings). Excuses of nine (9) members who missed the 1973 meeting, and twelve (12) members for the 1974 meeting were accepted.

The Council took note of the need to increase the number of openings for new members. The active membership before this meeting was 108; with 2 resignations\*, 2 transfers to "Emeritus" status, and 9 new members, there will be 114 active members. The Constitution at present permits 120 new members. The Council preferred to enforce the constitutional requirement that members should not miss three consecutive meetings rather than again to increase the permissible number of active members.

\* - One member was "Inactive" status. One member was "Active" status.

The possibility of a move of the 1976 meeting site to Chicago in order to conserve limited travel funds was considered. A possible move of the 1976 meeting site to Boca Raton, Florida was also discussed.

The Secretary-Treasurer indicated to Council that 13 members were delinquent in payment of annual dues. Since the Constitution of the Association makes no provision for dealing with this matter, it was decided to continue dunning the delinquent members.

-----

The Business Meeting of the Association was held on Friday, January 18, 1974 at 8:15 a.m. Recommendations of Council concerning new members, transfer of status, and acceptance of excuses were duly approved. All 56 members present cast a unanimous secret ballot for the new members; Lawrence Cohen and Harry Zinsser served as Tellers.

The Secretary-Treasurer reported a balance on hand of \$1,410.79, an increase of \$11.02 since last year's report. Thirteen members are delinquent in paying their annual dues. The Auditing Committee, consisting of Daniel Brody, Chairman, Ivan Bunnell and Arnold Weissler, found the financial report correct, and recommended its acceptance. This was done by voice vote. The Nominating Committee, consisting of Ernest Craigie, Chairman, Herbert Hultgren and Walter Abelmann, recommended the following officers for 1974-1975, who were unanimously elected by voice vote.

George G. Rowe .....	President
Harold T. Dodge .....	Vice-President
Noble O. Fowler .....	Secretary-Treasurer
Richard S. Ross .....	Councillor (1973-75)
Lewis E. January .....	Councillor (1974-76)
Howard B. Burchell .....	Councillor (1974-77)

Dates for future meetings were announced as:

1975 - January 23 and 24	-- Arizona Biltmore Hotel
1976 - January 22 and 23	
1977 - January 20 and 21	

Site for future meetings. In order to be certain of a meeting place for 1975, it was approved that the Secretary-Treasurer confirm the tentative arrangements with Mr. John H. Sienold, Sales Manager of the Arizona Biltmore Hotel. A mail vote to select the site of the 1976 meeting site will be completed by the Secretary-Treasurer by March 1, 1974. The need for a lead time longer than one year was emphasized by the Secretary-Treasurer. The membership will be given an opportunity to choose between three major possibilities for 1976: 1) Return to the Arizona Biltmore Hotel, Phoenix; 2) Boca Raton Hotel & Club, Boca Raton, Florida; or 3) Chicago (O'Hare Holiday Inn).

Following discussion, it was concluded that the membership did not favor Council's suggestion to amend the Constitution to allow a new category of "Inactive" membership: namely, those members who had failed to attend 3 consecutive meetings without an acceptable excuse. Thus, it appeared that the constitutional requirement that such members be dropped from the rolls should be more strictly enforced.

It was moved and approved that the Secretary-Treasurer's Secretary, Mrs. Mary F. Roche, be sent a bouquet of flowers and an honorarium of \$200.

Dr. Abelmann indicated that the membership of the Association should have a copy of the Cardiology Manpower Report. Dr. Theodore Cooper, Director, National Heart and Lung Institute, should be asked about this. Dr. H.J.C. Swan stated that the American College of Cardiology and the American Heart Association will react to this report within the next few months.

The Business Meeting ended at 9:00 a.m., and the Outgoing President, Dr. Walter H. Pritchard, then turned the chair over to Dr. George G. Rowe, the new President, who continued the Scientific Session until its adjournment at 12:30 p.m. Sixteen papers were presented at the scientific sessions on Thursday afternoon, January 17, and on Friday, January 18, 1974.

At 12:30 p.m., Drs. Abelmann, Swan, Pritchard and Fowler met for thirty minutes to consider the reaction of the Association of University Cardiologists to the Cardiology Manpower Report. It was recommended that Dr. H.J.C. Swan call Dr. Forrest Adams, Principal Investigator of the Cardiology Manpower Study in regard to the following:

- 1) Release of the Study Report to the Council and membership.
- 2) Another meeting of the Advisory Council of the Cardiology Manpower Study.
- 3) Identification of additional data included in the study but not included in the formal report.
- 4) Dr. Swan would consider the possibility of a one day Bethesda, Maryland conference sponsored by the American College of Cardiology.

This group also discussed the problems of communication of the Manpower Study findings to the American Board of Internal Medicine and to the Directors of Cardiology Training Programs.

This informal rump session terminated at 1:00 p.m.

Respectfully submitted,

*Noble O. Fowler*

Noble O. Fowler, M.D.  
Secretary-Treasurer AUC, Inc.

20974-77



ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

OFFICE OF THE SECRETARY-TREASURER

Minutes of the 1975 Meeting

January 23 and 24, 1975

Arizona Biltmore Hotel

Phoenix, Arizona

---

The Association of University Cardiologists held their 14<sup>th</sup> Annual Meeting at the Arizona Biltmore Hotel in Phoenix, Arizona on Thursday, January 23, 1975 and Friday, January 24, 1975. The meeting was attended by 71 members and the excuses of 15 absent members were accepted.

The Council met on the morning of Thursday, January 23<sup>rd</sup> from 8:30 a.m. until 12:00 noon and reviewed the credentials of 11 candidates nominated for membership. Of these, the following were recommended for election:

1. John D. Bristow, University of Oregon Medical School, Portland, Oregon
2. Jay N. Cohn, university of Minnesota Medical School, Minneapolis, Minnesota
3. Michael V. Herman, Mt. Sinai School of Medicine, New York, New York
4. Richard P. Lewis, Ohio State University College of Medicine, Columbus, Ohio
5. James Scheuer, Albert Einstein School of Medicine, Bronx, New York

Approval was recommended for requests for change to "Emeritus" status by the following: Charles E. Kossman, John R. Smith, and Louis A. Soloff.

Council recommended approval of requests for change to "Inactive" status of the following: Thomas A. Bruce and John S. Graettinger.

Council recommended acceptance of the resignations of the following: Robert L. Grissom and T. Joseph reeves.

Council noted changes in academic affiliation of the following:

1. Walter H. Abelmann, Professor of Medicine, Cardiovascular Unit, Beth Israel Hospital, Boston, Massachusetts
2. Thomas A. Bruce, Dean, University of Arkansas Medical School, Little Rock, Arkansas
3. Richard A. Carleton, Chairman of Department of Medicine, Dartmouth Medical School, Hanover, New York
4. Richard Gorlin, Chairman of Department of Medicine, Mt. Sinai School of Medicine, New York, New York
5. Thomas Killip, Professor of Medicine and Associate Dean, Northwestern University, Chicago, Illinois

No deaths of members were reported.

Excuses of twelve (12) members who missed the 1974 meeting, and fifteen (15) members for the 1975 meeting were accepted.

Council recommended that two members who have not been in attendance for three consecutive meetings be dropped from the Association. These members are: Robert A. Helm, and J. Willis Hurst.

Secretary-Treasurer reported that 9 members were delinquent in payment of 1974 dues. He also reported that the status of the membership as of 2/1/74 was: 114 "Active" members; 9 "Emeritus" members; 4 "Inactive" members. Status of membership as of 2/1/75 is as follows: 110 "Active" members; 12 "Emeritus" members; 6 "Inactive" members. The Constitution of the Association allows 120 "Active" members.

As a result of a mail ballot favoring Phoenix, Arizona as the meeting place for its 1976 meeting, the Association will return to the Arizona Biltmore Hotel for its Annual Meeting to be held on Thursday and Friday, January 22 and 23, 1976. It was recommended that the Secretary-Treasurer confirm the dates of the 1976 meeting with Mr. John H. Sienold, Vice President, Marketing and Sales, of the Arizona Biltmore Hotel.

The site of the 1977 meeting will be determined by a mail ballot.

-----

The Business Meeting of the Association was called to order by the President, Dr. George G. Rowe, on Friday, January 24, 1975 at 8:15 a.m. Recommendations of Council concerning the new members, resignations, transfer of status, and acceptance of excuses were unanimously approved by the membership. All members present cast a unanimous secret ballot for the new members.

The Secretary-Treasurer reported a balance on hand of \$1,700.15, an increase of \$299.36 since last year's report. Nine (9) members are delinquent in paying their 1974 annual dues. The Auditing Committee, consisting of Park Willis, Chairman, Leonard Scherlis, and Jere Mitchell, found the financial report correct, and recommended acceptance of the Secretary-Treasurer's report, and same was approved by the membership.

The Nominating Committee, consisting of Frank Marcus, Chairman, S. Gilbert Blount, and A. Calhoun Witham, recommended the following slate of officers for the coming year 1975-1976:

Harold T. Dodge	President
Noble O. Fowler	Vice President
Park W. Willis, III	Secretary-Treasurer
Lewis E. January	Councilor (1974-1976)
Howard B. Burchell	Councilor (1975-1977)
Borys Surawicz	Councilor (1976-1978)

This slate was unanimously approved by a show of hands of the membership.

Dates for future meetings were announced as:

1976 - January 22 and 23 --- Arizona Biltmore Hotel  
1977 - January 20 and 21 ---

The site of the 1977 meeting of the Association will be determined by a mail ballot to all members.

It was moved and approved that the Secretary-Treasurer's Secretary, Mrs. Mary F. Roche, be given an honorarium of \$200.

Dr. Walter Abelmann reported on the ACC Manpower Study and indicated that a Bethesda conference on this problem will probably be held within the next 12 months. The Association should have formal representation, perhaps the President or his designate.

Following the reading of a letter from Dr. Frank I. Marcus, there was a discussion of the concept of having a portion of the meeting devoted to matters concerned with medical education, or the political and social aspects of cardiology. Three principal alternatives were discussed:

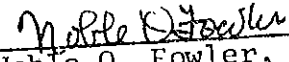
1. Papers dealing with these aspects of cardiology could be submitted for the regular program.
2. There might be a night session devoted to this matter.
3. That a one-half day panel might be added to the program.

An informal show of hands suggested the majority of those present favored retaining the present format. It was decided that this issue should be added to the mail ballot to be submitted to the membership.

After the Business Meeting, the outgoing President, Dr. George G. Rowe, then turned the Chair over to Dr. Harold T. Dodge, the new President, who continued the Scientific Session until its adjournment. Fourteen (14) papers were presented at the Scientific Sessions on Thursday afternoon, January 23, and Friday morning, January 24, 1975. It was noted that Dr. Herbert Hultgren, and Dr. Leon Resnekov were unable to present their papers owing to illness.

There being no further business to come before the membership, the meeting was adjourned at approximately 12 noon on Friday, January 24, 1975.

Respectfully submitted,

  
Noble O. Fowler, M.D.  
Secretary-Treasurer AUC, Inc.

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.  
OFFICE OF THE SECRETARY-TREASURER

Minutes of the 1976 Meeting  
January 22 and 23, 1976  
Arizona Biltmore Hotel  
Phoenix, Arizona

---

The Association of University Cardiologists held their 15th Annual Meeting at the Arizona Biltmore Hotel in Phoenix, Arizona on Thursday, January 22, 1976 and Friday, January 23, 1976. The meeting was attended by 66 members and the excuses of 15 absent members were accepted.

The Council met on the morning of Thursday, January 22, from 8:30 a.m. until 12:00 noon and reviewed the credentials of sixteen candidates nominated for membership. Of these, the following were recommended for election:

1. James E. Dalen, University of Massachusetts Medical School, Worcester, Massachusetts.
2. Leo G. Horan, University of Louisville, Louisville, Kentucky.
3. Richard F. Leighton, Medical College of Ohio at Toledo, Toledo, Ohio.
4. Robert J. Myerburg, University of Miami Medical School, Miami, Florida.
5. Robert A. O'Rourke, University of Texas Medical School, San Antonio, Texas.
6. Kenneth M. Rosen, Abraham Lincoln Medical School, Chicago, Illinois.
7. Thomas W. Smith, Harvard Medical School, Boston, Massachusetts.
8. Edmund H. Sonnenblick, Albert Einstein School of Medicine, Bronx, New York.
9. John F. Williams, Jr., University of Texas Medical School, Galveston, Texas.

Approval was recommended for request for change to "Emeritus" status by Julian R. Beckwith.

Council recommended approval of request for a change to "Inactive" status by Richard S. Ross.

Council recommended acceptance of the resignation of William S. Wilson.

No changes in academic affiliation had come to the attention of the Secretary-Treasurer or members of the Council.

With deep regret the Council received notice of the deaths of Daniel A. Brody on September 30, 1975, and John R. Smith on January 5, 1976.

Excuses of nineteen members who missed the 1975 meeting and sixteen members for the 1976 meeting were accepted.

Council recommended that the two members who had failed to attend three or more consecutive meetings be asked to request transfer to inactive and emeritus status, respectively.

"The Secretary-Treasurer reported that nine members were delinquent in payment of 1975 dues, two for 1974 dues, and two for 1973 dues. He also reported that the status of the membership as of 2/1/75 was: 110 "active" members; 6 "inactive" members; and 12 "emeritus" members. Status of the membership as of 2/1/76 is as follows: 117 "active" members; 6 "inactive" members and 12 "emeritus" members. The Constitution of the Association allows 120 "active" members.

As a result of a mail ballot favoring Phoenix, Arizona as the meeting place for future meetings, the Association will return to the Arizona Biltmore Hotel for its Annual Meeting to be held on Thursday and Friday, January 20 and 21, 1977. It was recommended that the Secretary-Treasurer confirm these dates with Mr. John H. Sienold, Vice-President, Marketing and Sales, of the Arizona Biltmore Hotel and that he place a tentative hold for the Association for the meeting dates of January 19 and 20, 1978 and January 18 and 19, 1979.

It was recommended after discussion by the Council that a mail ballot be conducted to determine the wishes of the membership in regards to an increase of the number of "active" members to 125.

The financial report of the Secretary-Treasurer was received by the Council and approved for presentation to the membership at the Business Meeting.

-----

The Business Meeting of the Association was called to order by the President, Harold T. Dodge, on Friday, January 23, 1976 at 8:15 a.m. Recommendations of the Council concerning new members, resignations, transfer of status, and acceptance of excuses were unanimously approved by the membership. All members cast a unanimous secret ballot for the new members. Tellers were Michael V. Herman and C. Glenn Sawyer.

The Secretary-Treasurer reported a balance on hand of \$1,936.68, an increase of \$236.53 since last year's report. Nine members are delinquent in paying 1975 dues, two for 1974 dues and two for 1973 dues. The Auditing Committee, consisting of Henry McIntosh, Chairman and Herbert Levine found the financial report correct and recommended acceptance by the membership. This was approved unanimously by a voice vote.

The Nominating Committee, consisting of Proctor Harvey, Chairman, James Warren and Oglesby Paul recommended the following slate of officers for the coming year 1976-1977:

Noble O. Fowler . . . . .	.President
Borys Surawicz . . . . .	.Vice-President
Park W. Willis, III . . . . .	.Secretary-Treasurer
Howard B. Burchell. . . . .	.Councillor (1975-1977)
James J. Leonard. . . . .	.Councillor (1976-1978)
J. Michael Criley . . . . .	.Councillor (1977-1979)

This slate was unanimously approved by a voice vote of the membership in attendance.

Dates for future meetings were announced.

1977 - January 20 and 21 --- Arizona Biltmore Hotel  
1978 - January 19 and 20 --- Arizona Biltmore Hotel  
1979 - January 18 and 19 --- Arizona Biltmore Hotel

This location was determined by the membership in mail balloting for 1976-1977, Phoenix having more advocates than the second choice location in the 1976 ballot and three times as many advocates as the second place location in the 1977 ballot. Past attendance figures had shown a drop in Chicago from 1969 to 1971 from 66 to 44, respectively; whereas, attendance in Phoenix since 1972 has ranged from 59 to 71. Despite a conflict this year with the Southern Society 66 are in attendance. There is no conflict in 1977, 1978 or 1979.

It was moved and approved that the Secretary-Treasurer's Secretary, Ms. Elaine Wilson, be given an honorarium of \$250.00.

There was discussion of the Council recommendation for an increase in membership to 125. This was then moved, seconded and approved subject to a mail ballot of the entire membership.

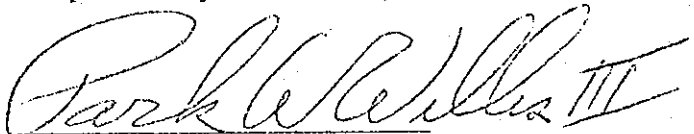
In the discussion of this matter the problem of senior members moving into administrative positions but retaining active membership and thus "blocking" younger university cardiologists from membership in the Association was discussed. Dr. McIntosh relayed Dr. Warren's suggestion of an "adjunct" category. Dr. Paul proposed automatic transfer to this adjunct status for individuals assuming positions as departmental chairmen or dean. Dr. Harvey suggested liberalizing the definition of the inactive category to accommodate these individuals. After further discussion, President Dodge appointed a subcommittee of Drs. January, McIntosh (chairman), and Warren to consider this matter and to report back to the membership next year.

President Dodge then invited discussion of the proposal that time be added to the program of the Association for discussion of problems faced by academic cardiology. A half day session Friday afternoon had been proposed. Dr. Marcus supported this concept and moved that this be provided in the 1977 program. Dr. McIntosh expressed the need for a "Federation of Cardiologists" including the American Heart Association (especially the Council on Clinical Cardiology), American College of Cardiology and Association of University Cardiologists, to provide one voice to speak for Cardiology. In addition to its traditional scientific and social function, he defined a national leadership role for the Association of University Cardiologists in actively promoting the formation of such a federation. Speaking in support of Dr. Marcus' motion which had been seconded by Dr. McIntosh, Dr. January outlined the problems of late departure for those living in the east and Dr. Wallace suggested Thursday morning at 10/11 a.m. for this addition to the program since most members in attendance have already arrived in Phoenix at that time. Dr. Harrison suggested this be introduced as an experiment for the 1977 meeting but not made a requirement for future years at this time. After further discussion the motion was unanimously approved. The formal program will thus commence at 10:30 a.m. in 1977. The President will arrange the program as usual.

After the Business Meeting, the outgoing President, Dr. Harold T. Dodge, turned over the chair to Dr. Noble O. Fowler, the new President who continued the Scientific Session until its adjournment. Fourteen scientific papers were presented at the Sessions on Thursday afternoon, January 22 and Friday morning, January 23, 1976. In addition, Dr. Walter Abelmann presented a report on the Bethesda Conference on Cardiology Manpower. It was noted that Dr. Joseph Greenfield was unable to present his paper because of illness in his family.

There being no further business to come before the membership, the meeting was adjourned at approximately 12 noon on Friday, January 23, 1976.

Respectfully submitted,

A handwritten signature in cursive script, reading "Park W. Willis, III". The signature is written in dark ink and is positioned above the printed name and title.

Park W. Willis, III, M.D.  
Secretary-Treasurer AUC, Inc.

PWW/csw

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

OFFICE OF THE SECRETARY-TREASURER

Minutes of the 1977 Meeting  
January 19 - 21, 1977  
Arizona Biltmore Hotel  
Phoenix, Arizona

--

The 16th Annual Meeting of the Association of University Cardiologists was held at the Arizona Biltmore Hotel in Phoenix, Arizona on Thursday, January 20, 1977 and Friday, January 21, 1977. The meeting was attended by 81 members and the excuses of 11 absent members were accepted.

The Council met from 8:30 PM to 10:30 PM on January 19 and from 7:30 AM to 10:00 AM January 20 and reviewed the credentials of 16 candidates nominated for membership. Of these the following were recommended for election:

1. J. Thomas Bigger, Columbia University, New York, New York
2. J. Willis Hurst, Emory University, Atlanta, Georgia
3. Michael Lesch, Northwestern University, Chicago, Illinois
4. William C. Roberts, Georgetown University, Washington, D.C.
5. Kenneth I. Shine, University of California at Los Angeles, California
6. Jay M. Sullivan, University of Tennessee, Memphis, Tennessee
7. Myron Weisfeldt, Johns Hopkins University, Baltimore, Maryland

The Council recommended approval of the requests of Howard Burchell, Walter Pritchard and Maurice Sokolow for a change to emeritus status and of the request by Charles Sanders for a change to inactive status.

Changes in academic affiliation were noted for David Bristow (from the University of Oregon to UCSF, VA Hospital, San Francisco), Richard Carleton (from Dartmouth Medical School to Brown University, Memorial Hospital, Pawtucket, Rhode Island), Raymond Pruitt (from Mayo Medical School to Baylor University, Houston, Texas), Robert O'Rourke (from UCSD, San Diego to University of Texas, San Antonio, Texas), and Ralph Shabetai (from University of Kentucky, Lexington, Kentucky to UCSD, VA Hospital, San Diego, California).

Excuses of 16 members who missed the 1976 meeting and 3 members who missed the 1975 meeting were accepted.

There was extensive discussion of the problem posed by members who do not regularly attend the meetings of the Association. The Council reaffirmed the constitutional requirement that members who fail to attend 3 consecutive meetings be dropped from the roster. It was emphasized that excuses are an amenity of the organization and that only in exceptional circumstances would individuals who missed three consecutive meetings be continued in an active member status. Specifically it was agreed that, if not present this year, the several members who missed the 1975 and 1976 meetings would be dropped unless they provided a compelling excuse. (Note: all these members did attend the 1977 meeting.) The Secretary-Treasurer was directed to continue each year to inform those whose membership was in jeopardy; to verify individually the accuracy of the Association's record of absences each year; and write to those individuals



who had been unable to participate as regularly as the majority of members to inquire if they wish to consider a change to inactive membership (which has no attendance requirement) in order to create room for new members who could be expected to participate regularly.

The Council received the report of the Ad Hoc Committee to Consider Matters of Membership (CCMM); members, Lewis January, Henry McIntosh (Chairman) and James Warren. After discussion it was agreed to recommend to the membership that an adjunct membership category not be established since the inactive status category seems appropriate for virtually all individuals who might properly request transfer to adjunct status.

The Secretary-Treasurer reported that 7 members were delinquent in payment of 1976 dues and 1 member was delinquent in dues for 1973 through 1976. He reported that the status of the membership as of February 1, 1976 was 117 active, 6 inactive, and 12 emeritus members and, if the membership approved the recommendations of the Council for new members, there would be 120 active, 7 inactive, and 15 emeritus members. He reported that the mail ballot on the increase of active members from 120 to 125 was returned by 101 members; 95 approved the increase and 6 disapproved. Thus the Constitutional limitation on active members is now 125.

The Council approved firm dates of January 19 and 20, 1978 and January 18 and 19, 1979 and tentative dates of January 17 and 18, 1980 and January 22 and 23, 1981 for future meetings of the Association at the Arizona Biltmore Hotel. These dates do not conflict with those for the meetings of the American Federation of Clinical Research, Southern Section through 1981.

The financial report of the Secretary-Treasurer was received by the Council and approved for presentation to the membership at the business meeting.

Letters from 3 members concerning time, place and content of the annual meeting were reviewed and discussed.

The Council concurred in President Fowler's nomination of Harold Dodge to represent the Association of University Cardiologists on a committee being formed by the American Heart Association to consider recruitment and training of physician scientists in the cardiovascular area. The committee will also have representatives from the cardiology subspecialty board, the American College of Cardiology and the American Heart Association.

- - - - -

The Business Meeting was called to order by the President, Noble O. Fowler, on Friday, January 21 at 8:25 AM. Recommendations of the Council concerning requests for transfer of status, acceptance of excuses and new members were approved by the membership. On a secret ballot the latter were elected almost unanimously. -- (Tellers: Harry Zinsser and Richard Lewis).

The Secretary reported a balance on hand of \$2,148.22, an increase of \$211.54 since last year's report. The Auditing Committee, George Rowe (Chairman) and Robert Adolph, found the financial report correct and recommended acceptance by the membership. This was approved unanimously by a voice vote.

The Nominating Committee, Walter Abelmann, Harold Dodge and Herbert Hultgren (Chairman), recommended the following officers for the coming year 1977-1978:

Borys Surawicz. . . . . President  
Thomas N. James . . . . . Vice-President  
Park W. Willis, III . . . . . Secretary-Treasurer  
James J. Leonard . . . . . Councillor (1976-1978)  
J. Michael Criley . . . . . Councillor (1977-1979)  
Thomas Killip . . . . . Councillor (1978-1980)

The slate was unanimously approved by a voice vote of the membership in attendance.

Dates of future meetings at the Arizona Biltmore Hotel were proposed:  
January 19 and 20, 1978      January 17 and 18, 1980 (tentative)  
January 18 and 19, 1979      January 22 and 23, 1981 (tentative)

It was moved, seconded and unanimously approved that the Secretary-Treasurer's secretary, Ms. Elaine Wilson, be given an honorarium of \$250.00.

There was discussion of the problem of creating room in the Association for new members since it is possible that only 5 active members could be added next year. Henry McIntosh reported the considerations of the Ad Hoc CCMM. The Committee agreed that it was not mandatory to have representation from each medical school or geographic area but rather that the emphasis should be on a membership comprised of the leaders of academic cardiology, with as broad representation as possible, and the creation of a forum to provide the maximum opportunity for exchange of information of common interest. The Committee felt that each member should be able to elect emeritus status at age 65 rather than having this depend upon the mandatory emeritus age specified by his institution. They had proposed a new "adjunct" category of membership for members who move to department chairman or dean or a similar position and who are then out of the mainstream of academic cardiology; the change to this status to be automatic; such members to pay dues, to be eligible to hold office, to be subject to the same attendance requirements as active members, and to have the option of automatically reverting to active membership at the end of their tenure in the non-cardiology position. The CCMM concurred with the Council review of this proposal and agreed that the same goals could probably be met by reminding members to request transfer to inactive status when this is appropriate on the basis of a change in their institutional responsibilities. The CCMM was appreciative of the Council's concern that creation of the adjunct status might allow as many as 25 new active members which would probably make the meeting too large. Henry McIntosh emphasized the importance of encouraging members transferring to inactive status to attend regularly and participate fully in the meeting and expressed the fear the label inactive might discourage participation.

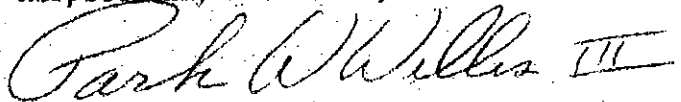
It was moved by Henry McIntosh and seconded by Lewis January and Harold Dodge that there should be a mail ballot to modify Article III-1B of the Constitution to make 65 the age for mandatory transfer to emeritus status in the Association regardless of the requirement at a member's institution. This motion for a mail ballot was approved by a voice vote of the membership present.

There was discussion of the special program presented from 10:30 AM to 12 noon on January 20. This was developed by Frank Marcus and dealt with the goals of cardiovascular subspecialty boards, the estimation of future need for cardiologists, and methods for evaluation of trainees in cardiology. Reaction to the program was mixed. On balance, the comments were in favor of continuing the experiment at the discretion of the officers of the Association on a year by year basis with less formal presentation, more time for informal discussion, greater emphasis on possible solutions for problems and less emphasis on the problems. There was support for an unrehearsed and informal panel discussion of topics of common interest. Suggested subjects were the Cardiovascular Subspecialty Board, NIH support of research and training, incentives for the academic cardiologist, goals and objectives of the Association of University Cardiologists, increasing the effectiveness of academic cardiology. It was requested that the Secretary-Treasurer poll the membership on subjects to be discussed next year. Subject to a final decision by the President it was agreed that next year's program should commence at 10:30 AM. The President will arrange the program as usual.

After the business meeting, President Noble Fowler turned over the chair to Borys Surawicz, the new President, who presided over the scientific program until adjournment. Sixteen scientific papers were presented at the sessions on Thursday afternoon and Friday morning. It was noted that Dr. Eugene Braunwald was unable to present his paper or a Special Report on the federal funding of cardiovascular research because of serious illness in his family.

There being no further business to come before the membership the meeting was adjourned at approximately 1:00 PM on Friday, January 21, 1977.

Respectfully submitted,



Park W. Willis, III, M.D.

Secretary-Treasurer

Association of University Cardiologists, Inc.

PWW/esw

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

OFFICE OF THE SECRETARY-TREASURER

Minutes of the 1978 Meeting  
January 19-20, 1978  
Arizona Biltmore Hotel  
Phoenix, Arizona

February 15, 1978

---  
The 17th Annual Meeting of the Association of University Cardiologists was held at the Arizona Biltmore Hotel in Phoenix, Arizona on Thursday, January 19, 1978 and Friday, January 20, 1978. The meeting was attended by 82 members and the excuses of 12 absent members were accepted.

The Council met from 8:45 PM to 11:00 PM on January 18 and from 7:30 AM to 9:30 AM January 19 and reviewed the credentials of 16 candidates nominated for membership. Of these the following were recommended for election:

1. C. Richard Conti, University of Florida, Gainesville, Florida
2. Robert J. Hall, Baylor University, Houston, Texas
3. Allyn L. Mark, University of Iowa, Iowa City, Iowa
4. Bertram Pitt, University of Michigan, Ann Arbor, Michigan
5. Shahbudin H. Rahimtoola, University of Oregon, Portland, Oregon
6. Thomas J. Ryan, Boston University, Boston, Massachusetts
7. Pravin M. Shah, University of California at Los Angeles, L.A., California
8. Albert L. Waldo, University of Alabama, Birmingham, Alabama

The Council recommended approval of the request of Lewis January for a change to emeritus status and of the requests by Roger Hickler, Robert Marahall, Henry McIntosh and Lee Pearce for a change to inactive status.

Changes in academic affiliation were noted for James Leonard (from the University of Pittsburgh to USUHS Bethesda, MD) and for Oglesby Paul (from Northwestern University, Chicago to Harvard Medical School, Boston).

Excuses of 21 members who missed the 1976 meeting were accepted.

There was discussion of the problem posed by members who do not regularly attend the meetings of the Association. The Council reaffirmed the constitutional requirement that members who fail to attend 3 consecutive meetings be dropped from the roster. It was re-emphasized that excuses are an amenity of the organization and that only in exceptional circumstances would individuals who missed three consecutive meetings be continued in an active member status. Specifically it was agreed that, if not present this year, members who missed the 1976 and 1977 meetings would be dropped unless they provided a compelling excuse and attended the 1979 meeting. The Secretary-Treasurer was directed to continue each year to inform those whose membership was in jeopardy; to verify individually the accuracy of the Association's record of absences each year; and write to those individuals who had been unable to participate as regularly as the majority of members to inquire if they wish to consider a change to inactive membership (which has no attendance requirement) in order to create room for new members who could

The slate was unanimously approved by a voice vote of the membership in attendance.

Dates of future meetings were proposed and accepted by the members present:

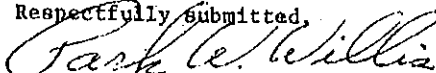
January 18 and 19, 1979 (Arizona Biltmore Hotel)  
January 17 and 18, 1980  
January 22 and 23, 1981 (tentative)  
January 21 and 22, 1982 (tentative)

It was moved, seconded and unanimously approved that the Secretary-Treasurer's secretaries be given an honorarium of \$250.00.

After the business meeting, President Borys Surawicz turned over the chair to Thomas James the new President, who presided over the scientific program until adjournment. Sixteen scientific papers were presented at the sessions on Thursday afternoon and Friday morning. A most informative and interesting session on "Training, Maintaining, and Retaining the Academic Cardiologist" was presented from 9:30 AM to 11:30 AM, Thursday, January 19, 1978 preceeding the scientific presentations. This was arranged and moderated by J. Willis Hurst with Eugene Braunwald, Harold Dodge and Frank Marcus as panelists.

There being no further business to come before the membership, the meeting was adjourned at approximately 1:00 PM on Friday, January 20, 1978.

Respectfully submitted,



Park W. Willis, III, M.D.  
Secretary-Treasurer (1975-1978)  
Association of University Cardiologists, Inc.

PWW:ko

UWF Doc

ASSOCIATION OF UNIVERSITY OF CARDIOLOGISTS, INC.

OFFICE OF THE SECRETARY-TREASURER

Minutes of the 1979 Meeting

January 18-19, 1979

Arizona Biltmore Hotel  
Phoenix, Arizona

February 28, 1979

---

The 18th annual meeting of the Association of University Cardiologists was held at the Arizona Biltmore Hotel in Phoenix, Arizona on Thursday, January 18, 1979 and Friday, January 19, 1979. The meeting was attended by 79 members.

The Council met from 5:00 p.m. to 6:00 p.m. on January 17 and from 9:00 a.m. to 12:30 p.m. on January 18. The Council reviewed credentials of 14 candidates nominated for membership. Of these, the following six were recommended for election:

1. George A. Beller, Charlottesville
2. Gerald S. Berenson, New Orleans
3. Robert L. Frye, Rochester
4. Leonard S. Gettes, Chapel Hill
5. John Kastor, Philadelphia
6. Douglas P. Zipes, Indianapolis

The Council recommended approval of the request of John M. Evans, Herbert E. Griswold, Oglesby Paul, and Muir Clapper for a change to emeritus status, and of the requests by Hadley L. Cann and Daniel S. Lukas for a change to inactive status.

Change in academic affiliation was noted for Raymond Pruitt (from Baylor University to the Mayo Clinic), as was the move of Daniel Lukas (from Cornell to Manchester, New Hampshire).

Excuses were received and noted from 21 members who missed the 1978 meeting and from 21 members who wrote that they would be unable to attend the 1979 meeting.\* Adverse weather in some (other) areas of the country appeared to be a factor for some absences.

There was again extensive discussion of the problem of members who do not regularly attend the meetings of the Association. The Council reaffirmed the constitutional requirement (Article III, Section V) that "The Council shall recommend to the Association that any member be dropped from the roster who fails to attend three (3) consecutive meetings, or for any other just cause." It was re-emphasized that written "excuses" are an amenity of the organization and that in the future only in very exceptional and unusual circumstances would individuals who missed three consecutive meetings be

\*An additional six excuses have been subsequently received by the Secretary-Treasurer.

continued in an active status, whether or not "excuses" had been submitted. The Secretary-Treasurer was directed to continue each year to inform those whose membership was in jeopardy; to verify individually the accuracy of the Association's record of attendance each year; and to write to those individuals who had been unable to participate as regularly as the majority of members and to inquire whether or not they might wish to consider a change to inactive status, which has no attendance requirements, in order to create room for new members who could be expected to participate regularly.

The Secretary-Treasurer reported that two members were delinquent for their 1978 dues but that one anonymous, but affluent, member had paid twice. He reported that the status of membership as of January 1, 1979 was 123 Active, 11 Inactive, and 15 Emeritus. He noted that if the membership approved both the recommended changes in status and the recommendations for six new members, the membership would be 125 Active, 13 Inactive, and 19 Emeritus. The Constitution allows only 125 Active members.

The Council unanimously approved a motion that the Association pay for a parlor room of the President for two days of each meeting. This room is used as a business meeting room by the Council.

Two constitutional admendments were discussed and unanimously approved for recommendation to the membership:

1. A. Amend Article V to read "The officers of the Association shall be a President, Vice-President, Secretary-Treasurer, and four (4) councillors.
- B. Amend Article V, Section II to read, "The Secretary-Treasurer and three (3) councillors shall be elected for three (3) years and may not succeed themselves. The President shall be the fourth councillor for a term of one year immediately following his year as President."
- C. Amend Article VI, Section IV to read "four (4) councillors."
2. Amend Article VIII, Section I to read "Meetings will be held annually at a place and time determined by the Officers and Council."

The Secretary-Treasurer reported that correspondence from the Southern Society of Clinical Investigation indicated that they had, without notification, changed the date of their 1979 meeting to conflict with the AUC meeting and that they had agreed to an irregular schedule for the next 4-5 years again without consultation and without taking into account our previous communications and wishes to avoid conflicts.

The Council approved firm dates of January 17-18, 1980 and January 22-23, 1981 at the Arizona Biltmore. In addition, tentative dates (at the Arizona Biltmore) of January 14-15, 1982, January 13-14, 1983 and January 19-20, 1984 were approved. The Secretary-Treasurer

was advised to hold these tentative dates at the Arizona Biltmore as long as possible but to write other locations regarding alternative sites and dates in 1982, 1983, and 1984. It was noted that many organizations were now scheduling meetings and hotels 5-10 years ahead. This has already resulted in our having to move to earlier tentative dates in 1982, 1983 and 1984.

The financial report of the Secretary-Treasurer was received by the Council and approved for presentation to the membership at the business meeting.

Letters from members regarding the place of the annual meeting were reviewed and discussed. A letter on medical manpower from a representative of the Association of Professors of Dermatology was discussed.

-----

The Business Meeting was called to order by the President, Thomas N. James, on Friday, January 19, 1979. Dr. James welcomed the new members. He then briefly reviewed the origin and purpose of the organization and the criteria for election to membership. He discussed the problems of absences and noted that written excuses are not completely satisfactory but rather anemity of the organization. He also noted the clear statement regarding absences in the constitution. He complimented Dr. George E. Burch (in the audience) for having written an excellent constitution at its founding. He announced the vacancy of the position as Director of Heart and Vascular Division of the National Heart, Lung and Blood Institute.

Recommendations of the Council concerning requests for transfer of status and for new members were approved by the membership. On a secret ballot the latter were elected unanimously (Tellers: Suzanne Knoebel and L.E. January).

The two recommended constitutional amendments were discussed and were unanimously approved by all members present, who represented a majority of total members.

The Secretary-Treasurer reported a balance on hand of \$2,172.19, a decrease of \$53.31 since last year's report. ~~The Auditing Committee, Leo Horan and Nancy Flowers,~~ found the financial report correct and recommended acceptance by the membership. This was approved unanimously by a voice vote.

~~The Nominating Committee, E. Craige (chairman), B. Surawicz, and N. Fowler,~~ recommended the following officers for the coming year 1979-1980:

Park W. Willis, III.....	President
Edgar Haber.....	Vice-President
Robert C. Schlant.....	Secretary-Treasurer
Thomas Killip.....	<sup>224</sup> Councillor (1977-1980)
Frank Marcus.....	Councillor (1978-1981)



J.O'Neal Humphries.....Councillor (1979-1982)  
Thomas N. James.....Councillor (1979-1980)

The slate was unanimously approved by a voice vote of the membership in attendance.

Dates of future meetings were proposed and accepted by the members present:

January 17-18, 1980 (Arizona Biltmore Hotel)  
January 22-23, 1981 (Arizona Biltmore Hotel)  
January 14-15, 1982 (Tentative, Arizona Biltmore Hotel)  
January 13-14, 1983 (Tentative, Arizona Biltmore Hotel)  
January 19-20, 1984 (Tentative, Arizona Biltmore Hotel)

The Secretary-Treasurer will make inquiries regarding alternate sites and dates for 1982, 1983 and 1984.

It was moved, seconded, and unanimously approved that the Secretary-Treasurer secretaries be given an honorarium of \$250.00.

After the business meeting, President Thomas N. James turned over the chair to Park W. Willis, the new President, who presided over the scientific program until adjournment. A total of 14 scientific papers were presented at the sessions on Thursday afternoon and Friday morning. One scheduled presenter was absent.

There being no further business to come before the membership, the meeting was adjourned at approximately 1:00 p.m. on Friday, January 19, 1979.

Respectfully submitted,



Robert C. Schlant, M.D.  
Secretary-Treasurer (1978-1981)  
Association of University Cardiologists,  
Inc.

RCS:ch

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

OFFICE OF THE SECRETARY-TREASURER

Minutes of the 19th Session  
January 17 and 18, 1980  
Arizona Biltmore Hotel  
Phoenix, Arizona

The 19th annual meeting of the Association of University Cardiologists was held at the Arizona Biltmore Hotel in Phoenix, Arizona, on Thursday, January 17, 1980, and Friday, January 18, 1980. The meeting was attended by 86 members (79 active and 7 emeritus).

COUNCIL BUSINESS MEETING

The Council met from 4:30-6:00 P.M. and 9:00-11:30 P.M. on January 16 and from 7:30-9:00 a.m. on January 17.

The Council recommended approval of the request of John Thomas for a change to inactive status and the requests of E. W. Reynolds, D. Greene, and A. V. N. Goodyer for change to emeritus status.

Changes in academic affiliation were noted for J. O'Neal Humphries (from Johns Hopkins to USC School of Medicine, Columbia, S.C.), T. Killip (from Evanston Hospital to Henry Ford Hospital, Detroit, Michigan), and Park Willis III (from University of Michigan to Michigan State University, East Lansing, Michigan).

The Secretary-Treasurer reported that the 1979 dues have been paid 100 percent. The financial report of the Secretary-Treasurer was received by the Council and approved for presentation to the membership at the business meeting. The Secretary-Treasurer also made a motion for a constitutional amendment to increase the annual dues; this was seconded by T. Killip and approved by the Council.

The Council requested that the Secretary-Treasurer investigate acquiring tax-free status for the Association.

The Secretary-Treasurer reported that the AUC records had been placed on Xerox records processing discs and would continue to be updated.

The Council reviewed credentials of eight candidates nominated for membership and recommended three for election.

The Secretary-Treasurer reported the status of the membership on January 1, 1980, was 125 Active, 11 Inactive, and 19 Emeritus. He noted that if the membership approved both the recommended changes in status and the recommendations for three new members, the membership would be 124 Active, 12 Inactive, and 22 Emeritus.

The Secretary-Treasurer reported that agreements had been signed with the Arizona Biltmore for future meetings in 1981, 1982, 1983, and 1984.

## ASSOCIATION BUSINESS MEETING

The Business Meeting was called to order by Park W. Willis III at 8:15 a.m. on Friday, January 18, 1980.

Recommendations of the Council concerning requests for transfer of status of active members were approved.

The following three new members were elected unanimously by the membership on a secret ballot. (Tellers were James Doherty and David Greene)

1. Frank E. Kloster, University of Oregon Health Sciences Center
2. Barry L. Zaret, Yale University School of Medicine
3. Robert F. Zelis, Penn State University, Milton S. Hershey Medical Center

The Secretary-Treasurer reported a balance on hand at December 31, 1979, of \$2,045.10. The Auditing Committee (Marvin Dunn and Burton Tabakin) found the financial report correct and recommended acceptance by the membership. This was approved unanimously by a voice vote.

The Secretary-Treasurer reviewed the fiscal status of the Association for the past several years and its projected financial status in future years. As a result of this presentation, the motion for a constitutional amendment to change the annual dues for active and inactive members from \$10 to \$25 was brought before the membership. Following extensive discussion, and there being a majority of the active members present, the recommended amendment to the Constitution was passed by voice vote of all members present.

The Nominating Committee (Chairman - L. Cohen, R. Bruce, and H. Hellems) recommended the following officers for the 1980-1981 year:

President:	Edgar Haber (replacing Park Willis III)
Vice President:	Charles W. Frank (replacing Edgar Haber)
Secretary-Treasurer:	Robert C. Schlant (continuing)
Councillors:	Park W. Willis III (replacing Thomas N. James)
	C. Glenn Sawyer (replacing Thomas Killip, term 81-83)
	Frank Marcus (continuing, term 79-81)
	J. O'Neal Humphries (continuing, term 80-82)

The slate was unanimously approved by a voice vote of the membership in attendance.

The results of the membership survey on meeting sites was discussed, and the following dates for future meetings were announced:

January 22-23, 1981	Arizona Biltmore Hotel, Phoenix
January 14-15, 1982	Arizona Biltmore Hotel, Phoenix
January 13-14, 1983	Arizona Biltmore Hotel, Phoenix
January 19-20, 1984	Arizona Biltmore Hotel, Phoenix
January 24-25, 1985	Arizona Biltmore Hotel (Tentative)
January 23-25, 1986	Arizona Biltmore Hotel (Tentative)

The Secretary-Treasurer announced that he would be pleased to try to match members who would be willing to share a room if they would notify him in the fall of 1980.

It was moved, seconded and unanimously approved that the Secretary-Treasurer's secretary, Catherine DeVries, be given an honorarium of \$250 and a floral tribute.

Robert Adolph proposed the following resolution which was thoroughly discussed and passed with a unanimous vote:

"Be it resolved that the Association of University Cardiologists supports the recommendation of the Board of Cardiovascular Disease of the American Board of Internal Medicine that applicants for the cardiovascular subspecialty examination must have completed their required subspecialty training before they may apply to take the examination."

At the conclusion of the business meeting, President Park W. Willis III relinquished the Chair to Edgar Haber, the new President, who presided over the scientific program until adjournment at 1:00 p.m. A total of eighteen papers were presented on Thursday and Friday, seventeen as scheduled in the program and one additional as time allowed.

There being no further business to come before the membership, the meeting was adjourned at 1:00 p.m. on Friday, January 18, 1980.

Respectfully submitted,

*Robert C. Schlant, MD*

Robert C. Schlant, M.D.  
Secretary-Treasurer (1979-1981)  
Association of University Cardiologists

RCS:cd

2/1/80

# ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.

## OFFICE OF THE SECRETARY-TREASURER

Minutes of the 20th Session  
January 22 and 23, 1981  
The Arizona Biltmore  
Phoenix, Arizona

The 20th annual meeting of the Association of University Cardiologists was held at the Arizona Biltmore in Phoenix, Arizona, on Thursday, January 22, 1981, and Friday, January 23, 1981. The meeting was attended by 85 members (76 active, and 9 emeritus).

### COUNCIL BUSINESS MEETING

The Council met from 4:30-6:30 p.m. and 9:00-11:30 p.m. on Wednesday, January 21, 1981.

The Secretary-Treasurer reported that the 1980 dues had been paid except for three members. The financial report of the Secretary-Treasurer was received by the Council and approved for presentation to the membership at the business meeting.

The Council recommended approval of the request of James Dalen and Albert Kattus for a change from active to inactive membership and the request of Ivan Bunnell to change from active to emeritus status. Two members (James Warren and Paul Yu) are recommended for transfer to emeritus status by virtue of having reached the mandatory age of sixty-five since the last meeting, and the Council recommended obtaining further information regarding one request of status from active to inactive membership.

The Council reviewed the proposals of eight candidates nominated for membership and recommended six for election. The Secretary-Treasurer reported the status of the membership on January 1, 1981, to be 124 active, 12 inactive, and 22 emeritus. He noted that if the membership approved both the recommended changes in status and the recommendations for six new members, the membership would then be 124 active, 14 inactive, and 26 emeritus.

### THURSDAY MORNING SYMPOSIUM

On Thursday morning, January 22, at 9:15, Dr. Haber introduced Dr. Robert Levy, Director of the National Heart, Lung, and Blood Institute, who presented a thorough review of, "Support of Research and Training: Prospects for the Future." He also provided each member with copies of two reports of the Institute: Highlights and Accomplishments: 1980 and Fiscal Year 1981 Program/Fiscal Review. Dr. Levy's excellent, and perhaps mildly optimistic (relatively) review, was followed by comments and questions by Larry Cohen, Don Harrison, and Tom James. Following these comments, there was a general period of lively question, comment, and discussion by Dr. Levy, the panel members, and the members in the audience. The symposium concluded

at noon. Fortunately, Dr. Levy was also able to arrange his schedule to remain for all of the scientific sessions and the 20th anniversary banquet.

#### TWENTIETH ANNIVERSARY DINNER

This being the 20th anniversary of the Association, a special black tie banquet was held on Thursday evening with 115 attending. The banquet was dedicated to George Burch, who was the primary force in establishing the Association twenty years ago. In recognition of this, Howard Burchell presented a masterful review of the career of George Burch, a copy of which is enclosed. Dr. Burch then discussed the origin and purposes of the Association. He also contrasted the early meetings, including the frequent snow storms, in Chicago with the present site and facilities. Dr. Haber presented Dr. Burch with an old medical book by Babington and Curry, Outlines of a Course of Lectures on the Practice of Medicine, 1802-1806. The book was suitably enscribed to Dr. Burch from the Association. Dr. Haber then read and presented to Dr. Burch an engraved scroll of appreciation. At the conclusion of the banquet, the scroll was signed by all the members present and by Dr. Levy.

#### ASSOCIATION BUSINESS MEETING

The business meeting was called to order by Edgar Haber at 8:15 a.m. on Friday, January 23, 1981.

The recommendations of the Council regarding requests for transfer of status of active members were approved, as were the changes to emeritus status required by the constitution.

The following six new members were elected by the membership on a secret ballot (tellers: John Kastor and James Leonard).

Joseph Alpert, University of Massachusetts Medical School, Worcester  
Michael Crawford, University of Texas Health Science Center, San Antonio  
Martin Frank, Medical College of Georgia, Augusta  
Richard Miller, Baylor College of Medicine, Houston  
Joseph Perloff, University of California, Los Angeles  
James Willerson, University of Texas Health Science Center, Dallas

The Secretary-Treasurer reported a balance on hand on December 31, 1980, of \$3,426.82. The auditing committee (John Kastor and James Leonard) found the financial report correct and recommended acceptance by the membership. This was approved unanimously by a voice vote.

The Secretary-Treasurer recommended a change in the constitution wherein Article 3, Section 6, dealing with inactive membership, would be transferred to become Part C of Section 1 of the same Article 3. This motion was unanimously approved by all those in attendance, which would comprise a majority of all active members.

The nominating committee (Chairman, H. Fozzard; D. Harrison, and G. Beller) recommended the following officers for the 1981-1982 year:

President:	Charles W. Frank (replacing Edgar Haber)
Vice President:	Robert C. Schlant (replacing Charles W. Frank)
Secretary-Treasurer:	Nancy Flowers (replacing Robert C. Schlant)
Councillors:	Edgar Haber (replacing Park Willis III)
	C. Glenn Sawyer (continuing, term 81-83)
	J. O'Neal Humphries (continuing, term 80-82)
	Larry Cohen (new, term 82-84)

The slate was unanimously approved by a voice vote of the membership in attendance.

The following dates for future meetings were announced:

1982 -- Thursday and Friday, January 14-15, 1982, Arizona Biltmore  
1983 -- Thursday and Friday, January 13-14, 1983, Arizona Biltmore  
1984 -- Thursday and Friday, January 19-20, 1984, Arizona Biltmore  
1985 -- Thursday and Friday, January 17-18, 1985, Arizona Biltmore  
1986 -- Thursday and Friday, January 16-17, 1986, Arizona Biltmore (tentative)  
1987 -- Thursday and Friday, January 15-16, 1987, Arizona Biltmore (tentative)  
1988 -- Thursday and Friday, January 14-15, 1988, Arizona Biltmore (tentative)

The Secretary-Treasurer called attention to the membership that the constitution stated that a member may lose membership if the member did not attend for three consecutive meetings. It was again stressed that the feeling of the Council was that the Council should more vigorously fulfill its responsibility as stated in the constitution (Article 3, Section 5, Part B, "The Council shall recommend to the Association that any member be dropped from the roster who fails to attend three (3) consecutive reasons or for any other just cause." The Council stressed that all members should be aware of this rule and that written excuses did not remove the Council from performing its constitutional duty and that excuses should be looked upon as an amenity that might be acceptable only for the rare, unusual occurrence. The council noted that all members should be aware that the phrasing in the constitution is that the Council "shall" recommend, etc.

It was proposed and unanimously approved that the Secretary-Treasurer's secretary receive an honorarium of \$300.

Dr. Robert Adolph expressed appreciation to the Association for its support in changing the date of the examination of the Subspecialty Board of Cardiovascular Diseases. He also brought up for discussion the question as to whether or not cardiovascular training should be for a period of three years. Dr. Ernest Craige raised for discussion the procedures now being used by some bodies in determining whether or not cardiovascular diagnostic procedures were appropriate and should be performed and reimbursed.

Page 4

At the conclusion of the Friday morning business meeting, President Edgar Haber was presented with a president's gavel. Bob Schlant then presided over the first portion of the Friday morning scientific program, while Charles Frank was temporarily indisposed. Subsequently, Charles recovered and presided over the remainder of the scientific program until adjournment at 1:00 p.m. on Friday, January 23, 1981. A total of 17 papers were presented: ten on Thursday morning and an additional seven on Friday morning. (Abstract #4 was not presented, while Abstract #18 was presented.)

Respectfully submitted,

Robert C. Schlant, M.D.  
Secretary-Treasurer (1979-1981)  
Association of University Cardiologists

RCS:cd

2/20/81



ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.  
Office of the Secretary-Treasurer

Minutes of the Twenty-first Session  
January 14 and 15, 1982  
Arizona Biltmore  
Phoenix, Arizona

The Twenty-first Annual Meeting of the Association of University Cardiologists was held at the Arizona Biltmore in Phoenix, Arizona on Thursday, January 14, 1982, and Friday, January 15, 1982. This meeting was attended by 61 members (56 Active, 1 Inactive, and 4 Emeritus).

Council Business Meeting

The Council met from 4:30 to 6:30 P.M. and from 10:00 to 12:00 midnight on Wednesday, January 13, 1982. It also met from 10:30 A.M. to 12:45 P.M. on Thursday, January 14, 1982.

Four members (S. Gilbert Blount, Jr.; Robert A. Bruce; Walter E. Judson; and Peter T. Kuo) were recommended for transfer to Emeritus status by virtue of having reached the mandatory age of 65 since the last meeting. The Council recommended approval of the request of Borys Surawicz and W. Proctor Harvey for a change from Active to Emeritus status having reached at least 60 years of age and having had at least 5 years of Active membership, and likewise approved the request for a change from Inactive to Emeritus status for M. Lee Pearce and Albert A. Kattus. The Council approved 3 requests for transfer from Active to Inactive status (Richard Miller, Robert J. Luchi and Charles B. Mullins). The Council recognized that one member, John C. Mithoefer, died in October, 1981. The Council reviewed the proposal of 9 candidates nominated for membership and recommended 6 for election. The Secretary-Treasurer reported the status of the membership on January 1, 1982, was 125 Active, 14 Inactive and 25 Emeritus. She noted that assuming approval by the membership of the recommended changes in status and its election of the recommended candidates as new members, the membership totals at the conclusion of the 1982 meeting would be 122 Active, 14 Inactive and 33 Emeritus.

The President offered a proposal which was approved by the majority of the Council to change the Constitution to define the responsibilities of members in the three classes of membership. His proposal in essence was to add to the present description of privileges and responsibilities of active members the further specification that they may serve on all committees, submit abstracts and propose new members. In the Inactive category, he wishes to add to the existing specification in the Constitution that Inactive members may not serve on standing committees, submit abstracts, but they may propose new members. In the Emeritus category, he wishes to add to the present constitutional specification that an Emeritus member may serve on all committees, may submit abstracts, as well as propose new members.

Further Council recommendations for the consideration by the membership of constitutional addition or change included certain areas pertaining to the categories of membership and the procedures and criteria for status change, or

termination of membership. In order to give the membership adequate time for study and reflection, copies of the present constitution and the proposed changes will be circulated and a written ballot requested.

An item on the Council Agenda pertaining to the hours of the day the scientific meetings are held was not discussed.

The secretary explored an agenda item at the request of the President about the feasibility of holding the meeting the last week in January or on Friday and Saturday, rather than Thursday and Friday. The Arizona Biltmore was unable to accommodate this, having the last week of January committed on their books through 1988, according to a letter from Mr. Ed Schwitzky.

The Council considered at some length when it was reconvened on Thursday the pros and cons of a change in meeting site. The Secretary-Treasurer reported that it was legally possible to cancel a contract with no penalty clause one year before the scheduled dates. Shorter cancellation results in a pro-rated penalty based upon estimated loss of revenue which progressively escalates the nearer the cancellation occurs to the meeting date. Some discussion ensued about the appropriateness of such cancellation from the ethical standpoint and it was agreed that although we should explore other alternatives for some years in the light of escalating plane fares, we should keep the 1983 commitment with the Arizona Biltmore. The Council meeting was adjourned just prior to the beginning of the Thursday afternoon symposium.

FIRST SCIENTIFIC SESSION  
Thursday, January 14, 1982  
1:00 to 5:30 P.M.

On Thursday afternoon, January 14, at 1:00 P.M., Dr. Charles W. Frank welcomed the membership to the Twenty-first Annual Scientific Session of the Association of University Cardiologists. Eight well-received scientific presentations followed. Dr. Tabakin was unable to make his scheduled presentation due to technical problems with the videotape projection. Dr. Donald Harrison moved into the Thursday program to complete the first day of scientific sessions.

ASSOCIATION BUSINESS MEETING

The business meeting was called to order by Charles W. Frank at 8:15 A.M. on Friday, January 15, 1982. The recommendations of the Council as outlined in the Council minutes regarding requests for transfer of status were presented and approved.

The following 6 new members recommended by the Council were elected by the membership by secret ballot:

Morton F. Arnsdorf, University of Chicago  
William H. Gaasch, Tufts University  
Peter C. Gazes, Medical University of South Carolina  
Arnold M. Katz, University of Connecticut  
J. Ward Kennedy, University of Washington  
Hiltrud Mueller, Albert Einstein College of Medicine

The Secretary-Treasurer reported a balance on hand December 31, 1981, of \$2,647.14. The Auditing Committee, composed of Dr. Walter Abelman and Dr. Harold Dodge, found the financial report to be correct and recommended acceptance by the membership. The further recommendation was made through the membership that in light of the increasing cost of postage and the printing costs, paper charges and general supply expenses that the Secretary-Treasurer be enabled to increase the dues by \$10.00 annually if such should appear advisable after extrapolation of the 1982 costs. This recommendation was approved unanimously by a voice vote.

At this point the President announced to the group that certain proposed Constitutional changes were being recommended by a majority of the Council and that these changes would be circulated by mail for consideration of the membership, with a mail vote. Changes in the Constitution and By-laws require confirmation by a majority of all the active members.

The next item on the agenda was consideration for the location of future meetings. Although Article VII, Section I of the Constitution states that meetings will be held annually at a place and time determined by the officers and the Council, the officers and Council in the past have been at great pains to attempt, by open discussion and by written poll, to determine the wishes of the majority of the membership.

Dr. Frank then presented the results of the April 18, 1979, questionnaire that Dr. Schlant had prepared and had circulated to the members, pointing out that of 127 responses, 45.34 votes were to continue at the Arizona Biltmore, with a scattering suggesting other meeting sites, but with the largest minority, 43.50, suggesting rotation of the meetings to various locations in the South.

As a result of this poll, the present Secretary-Treasurer, elected in January, 1981, was instructed to explore possibilities at a number of locations throughout the South, and to conduct a second poll using the locations that have had the most to recommend them. Thus, in the poll of March 3, 1981, there were 88 responses with 45 votes to continue at the Arizona Biltmore and a wide spread of other suggestions, the largest minority being 9.25 to release the Arizona Biltmore but to continue in Phoenix.

As a result of this poll, additional information was obtained from The Inn at McCormick Ranch, Scottsdale, Arizona; The Cloister, Sea Island, Georgia; Amelia Island Plantation, Amelia Island, Florida; Ponte Vedra Club, Ponte Vedra Beach, Florida; Del Webb's Mountain Shadows, Scottsdale, Arizona; Key Biscayne Hotel and Villas, Key Biscayne, Miami, Florida; and the Boca Raton Hotel and Club, Boca Raton, Florida.

A third poll, then, in slightly over two years, was carried out, and at this time there were only 37.98 votes offered

be instructed not to commit to the Arizona Biltmore permanently for 1987 and 1988. We presently are committed through 1986. There was a further recommendation by the Council that the Secretary-Treasurer explore with the Arizona Biltmore the possibility of alternating locations on an every-other-year basis, but with the understanding that no commitment would be made until the Council was informed of the results of the exploration.

Some discussion followed the elaboration of the President and the Secretary-Treasurer on the results of the earlier polls. Dr. Hultgren was against changing the site at all, pointing out the importance of the climatic considerations in January, and pointed out that members could, if necessary, alternate if they could not make it to each meeting. Some concern was voiced that if this occurred we might, in fact, become an East-West or split group rather than a unified group.

After further discussion, A voice vote was taken to ascertain whether the attending members favored leaving the Arizona Biltmore, yet staying in the Phoenix or Arizona area. The majority voted negatively. Dr. Weissler asked the question of how tightly we were committed to the Arizona Biltmore. The Secretary-Treasurer responded that we are committed through 1986, though there are ways of extricating from such a commitment if one does it at least a year in advance, without penalty, though this would obviously be too late for 1983. It was pointed out that the dates extending through 1986 were made by previous Councils and membership, and should not be lightly discarded. Dr. Crawford emphasized that Chicago was a terrible option in the winter, and a number of the other members described the previous disaster of the Chicago experience in the history of this association. Dr. Abelmann raised the possibility of meeting in a University. Dr. Horan emphasized the importance of staying as stable as possible as far as a location somewhere, that is, minimizing the number of locations involved in any alternation plan, pointing out the decline of the Atlantic City meetings that rapidly followed, it becoming a nomadic society.

At the conclusion of this discussion, the majority of the members in attendance voted in favor by a show of hands to support Council's further exploration and decision pertaining to future meeting sites.

The President called for a report from the Nominating Committee. This committee was comprised of Leonard Cobb, J. Michael Criley and Leon Resnekov. The following slate of officers was nominated for the 1983-83 year.

President. . . . .	Robert C. Schlant (replacing Charles W. Frank)
Vice President . . . . .	A. Calhoun Witham (replacing Robert C. Schlant)
Secretary-Treasurer. . . . .	Nancy C. Flowers (continuing for the 2nd of a 3-year term)
Councillors. . . . .	Charles W. Frank (replacing Edgar Haber) C. Glenn Sawyer (continuing 3-year term until 1983) Lawrence Cohen (continuing 3-year term until 1984) E. William Hancock (new, 3-year term until 1985)

The slate was unanimously approved by a voice vote of the membership in attendance.

It was proposed and unanimously approved that the Secretary-Treasurer's secretary receive an honorarium of \$350.00.

At the conclusion of the Friday morning business meeting, President Charles W. Frank was presented with the President's gavel on behalf of the Association with sincere appreciation for a job well done. In the absence of the Vice President, who was snowbound, the Secretary-Treasurer presided over the Friday Scientific Session.

Eight excellent papers were presented, including Dr. Herbert N. Hultgren's paper. The scientific session adjourned shortly after 1:00 P.M. on Friday, January 15, 1982.

The following dates for future meetings are:

- 1983--Thursday and Friday, January 13-14, Arizona Biltmore, Phoenix
- \* 1984--Thursday and Friday, January 26-27, Sheraton New Orleans Hotel, New Orleans
- 1985--Thursday and Friday, January 17-18, Arizona Biltmore, Phoenix
- \*\* 1986--Thursday and Friday, January 16-17, Arizona Biltmore, Phoenix
- \*\*\* Thursday and Friday, January 23-24, Sheraton New Orleans Hotel, New Orleans (T)
- 1987--Thursday and Friday, January 15-16, Arizona Biltmore, Phoenix (T)
- 1988--Thursday and Friday, January 14-15, Arizona Biltmore, Phoenix (T)

\* Please note change in place and dates and change your calendar.

\*\* Please note possible change in place and dates to be confirmed after 1984 meeting. We are still holding the Arizona Biltmore on the original dates.

\*\*\* Tentative.

Respectfully submitted,

Nancy C. Flowers, M.D.  
Secretary-Treasurer

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.**

NANCY C. FLOWERS, M.D., SECRETARY-TREASURER

UNIVERSITY OF LOUISVILLE SCHOOL OF MEDICINE

550 SOUTH JACKSON STREET, 3RD FLOOR

LOUISVILLE, KENTUCKY 40202

(502) 588-7959

February 15, 1983

MEMORANDUM TO: Membership of the Association of University Cardiologists

The following enclosures comprise your first mailing from the Association for the calendar year 1983. Please note the dues notice. We would appreciate receipt of your \$35.00 dues as soon as possible.

Minutes of Council meeting  
Minutes of Annual Scientific Session and  
business meeting  
Alphabetical Roster of members  
Revised Constitution  
Maps showing membership by state  
AUC members listed by school

Please particularly note the request in the minutes for input regarding Dr. Frank's proposed change in the daily schedule of future meetings being considered for 1985. The Council would appreciate knowing what you think and how this would impact on you.

Don't forget. . .put the New Orleans meeting, January 26 and 27, 1984, on your calendar now and tie down your Super-Saver air fare as soon as possible. With warm regards,

  
Nancy C. Flowers, M.D.  
Secretary-Treasurer

NCF/ty

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.  
Office of the Secretary-Treasurer

Minutes of the Twenty-second Session  
January 13 and 14, 1983  
Arizona Biltmore  
Phoenix, Arizona

The Twenty-second meeting of the Association of University Cardiologists was held at the Arizona Biltmore in Phoenix, Arizona on Thursday, January 13 and Friday, January 14, 1983. This meeting was preceded by a Council meeting on Wednesday, January 12, 1983. Eighty-six members attended, an all time high.

COUNCIL BUSINESS MEETING

The Council met from 4:30 to 6:30 P.M. on January 12, 1983. The Secretary presented the AUC membership status report which indicated that at the conclusion of the 1982 meeting, we had 122 Active members, 14 Inactive, and 33 Emeritus. The Council recognized with sadness the loss of one Active member by death (Dr. Ken Rosen) and two Emeritus members who died during the past year (Drs. Julian Beckwith and Walter Pritchard). Four members were recommended for transfer to Emeritus status upon having reached either the mandatory age of 65 or the elective age of 60 years, having had at least 5 years of active membership specified by the present constitution. These included Drs. Hadley Conn, Noble Fowler, John Graettinger, and Herbert Hultgren. Dr. Richard Gorlin's request to move to an Inactive status was approved as was Dr. Dan Lukas' request to move from an Inactive to an Active status since he has returned to academic medicine. Therefore, before consideration of the proposals of candidates nominated for membership, we had 119 Active members, 12 Inactive, and 35 Emeritus. The Council reviewed the proposals of 10 candidates being considered for Active membership and one for Honorary membership. Five candidates were recommended for Active status and one for Honorary status to be voted on by the full membership at the business meeting on January 14, 1983. Assuming the election of the recommended candidates and the endorsement of the requests for change in status, and with the recognition of our loss of three deceased members, the membership totals at the conclusion of the 1983 meeting would be 124 Active, 12 Inactive, 35 Emeritus and one Honorary member.

The unusual excuse of an active member who would have missed three meetings consecutively this January was discussed and accepted. He was informed that he should make every effort to be present in 1984, and that the Council understands the very unusual circumstance concerning university policy which was imposed upon him at the last minute.

Dr. John Kastor wrote a letter offering to publish the list of newly elected members each year in the INTERNATIONAL JOURNAL OF CARDIOLOGY. The Council voted to thank Dr. Kastor but to decline. The Council points out we are not an international organization and indicates it prefers to retain a less public image for the Association.

The Council voted affirmatively on the question of whether it was appropriate to accept unrestricted, undesignated donations from concerns such as pharmaceutical houses for the use of the Association. 239

At the conclusion of last year's meeting, Dr. Robert Schlant, the 1982-1983 President, took summary statements of recommendations by the previous Council for constitutional review, and the specific recommendations of the immediate Past President, and formed a Constitutional Review Committee to consider the issue and to formulate the wording to be presented to the new Council and the membership at the time of this 1983 meeting.

Recommended changes by that Constitutional Review Committee included:

### ARTICLE III. Membership

#### Section I. Membership requirements shall be as follows:

- B. After fifteen (15) years of Active membership and on reaching the age of sixty (60), a member may request transfer to Emeritus status. On reaching the age of sixty-five (65), an individual shall become an Emeritus member. Emeritus members may attend meetings, propose new members, submit abstracts and make presentations, may serve on any committee, but are not required to pay dues, may not hold office, and may not vote.
- C. Under certain circumstances as outlined in Section V, inactive membership shall be considered by the council upon application from a member. Inactive members may attend meetings, may propose new members, must pay dues, may not hold office, may not vote, may not submit abstracts or make presentations, and may not serve on standing committees.

#### Section V. Change in status or termination of membership:

- A. An active member who no longer holds a full-time university faculty position in academic medicine must inform the association of his change of status. He may apply for inactive membership or submit his resignation. In the event of an application for inactive membership, if the applicant has been a member for at least ten (10) years, and has attended at least five (5) meetings, the Council will review his recorded participation in the scientific program, as well as his other contributions to the activities of the Association. The Council may then recommend to the membership a change of status to an inactive category. In circumstances in which an active member moves into an administrative position within a university setting, but outside of cardiology, application for inactive membership may be entertained by the Council if the member neither wishes to remain active, nor wishes to submit his resignation.
- B. The Council shall recommend to the Association that any member be dropped from the roster for failing to attend three (3) consecutive meetings or for any other just cause.

#### Section VI. Number of Active members:

The Active membership shall be limited to one hundred twenty-five (125).



ARTICLE V.

Section I.

*The President and Vice President of the Association shall be elected for a term of one (1) year by a vote of the majority of the active members present and voting at the annual meeting.*

B Y - L A W S

ARTICLE III.

*The annual dues shall be set by the Council.*

These proposed changes were voted upon and unanimously approved by the Council.

For the first time New Orleans will be the site of the annual meeting, January 26 and 27, 1984 at the Sheraton New Orleans. The hotel is located at 500 Canal Street, in very close proximity to the French Quarter and close to a number of excellent eating establishments. The Council considered whether or not it wished to recommend for discussion the consideration of a dinner which included all of the membership on Thursday night, and so recommended to the President that he put this as an item on the agenda. The 1985 meeting will be held at the Arizona Biltmore on January 17 and 18, 1985. We have been released by the Biltmore for obligation for the 1984 meeting and have been given the option to evaluate the New Orleans meeting and make a decision at that time as to whether we wish to pick up our option for the 1986 meeting at the Arizona Biltmore.

The Council meeting was adjourned at 6:45 P.M.

PRESIDENT'S PROGRAM

Thursday, January 13, 1983  
(9:30 A.M. to 12:00 Noon)

Our President, Dr. Robert C. Schlant, made brief opening remarks by way of introducing the two invited speakers. Dr. Claude Lenfant, Director of the National Heart, Lung and Blood Institute spoke on *The NHLBI and University Cardiology 1983* while Dr. Charles Sanders, Executive Vice President of Science and Administration, E.R. Squibb & Sons, spoke on *The Pharmaceutical Industry and University Cardiology*. The presentations were followed by a discussion by the group with adjournment for lunch at approximately 12:00 Noon.

FIRST SCIENTIFIC SESSION

Thursday, January 13, 1983  
(1:00 to 5:30 P.M.)

The President opened the first scientific session with a request that the membership stand in a moment of silent memorial to Dr. Kenneth M. Rosen, Dr. Walter H. Pritchard, and Dr. Julian R. Beckwith, whose deaths occurred since our last meeting. Members elected last year or the year before last, who were attending their first meeting, were introduced, after which the scientific session began.

Eight excellent scientific presentations followed. The first session was adjourned at 5:30 P.M. followed by a reception for members and their spouses in the Sedona Room between 6:30 and 7:45 P.M.

ASSOCIATION BUSINESS MEETING

Friday, January 14, 1983

(8:15 to 8:45 A.M.)

Dr. Schlant had earlier appointed Drs. James Doherty and Larry Cohen to the Auditing Committee. Dr. Doherty reported that the corporation books were in proper order. Dr. Flowers reported the present membership status, if recommendations for transfer as outlined in the Council Minutes are accepted would be 119 Active members, 12 Inactive members, and 35 Emeritus members.

The following candidates for Active membership were recommended by the Council and were subsequently elected by the membership by secret ballot.

Jonathan Abrams, University of New Mexico  
Anthony N. DeMaria, University of Kentucky  
William Grossman, Harvard Medical School  
Mark E. Josephson, University of Pennsylvania  
John H. Laragh, Cornell University

Robert I. Levy, Tufts University was recommended by the Council for Honorary membership and subsequently elected by the membership.

The Nominating Committee, previously appointed by Dr. Schlant, including Chairman, Dr. Park Willis, Dr. Harry F. Zinsser, and Dr. Jim Leonard, presented in nomination the following names who were subsequently elected by the membership.

A. Calhoun Witham for President, *replacing Robert C. Schlant*  
E. William Hancock for Vice President, *replacing A. Calhoun Witham*  
Arnold M. Weissler for a 2-year term as Councillor, 1983-1985, *replacing E. William Hancock, who served only one of a 3-year term.*  
Robert Adolph for the 3-year term, 1983-1986, as Councillor, *replacing Glen Sawyer who completed his 3-year term.*

Nancy C. Flowers continues as Secretary-Treasurer for the third year of a 3-year term.

Lawrence Cohen continues as Councillor for the third year of a 3-year term.

Robert C. Schlant, immediate past president, serves a 1-year term as Councillor, replacing Charles Frank.

In the category of new business, the President made a proposal that the Secretary's secretary be paid an honorarium in the amount of \$350.00. This was unanimously approved by voice vote of the membership. The question of wearing name tags was brought up by the President. After a great deal of discussion, pro and con, a vote by a show of hands resulted in a majority not approving the idea of name tags. The President and those interested in identification emphasized that in lieu of name tags, efforts should be made to introduce

ourselves to new members, and if not called on by name, to identify ourselves during discussion periods. The question of a dinner on Thursday evening as a regular part of our agenda following the reception was raised by the President. An overwhelming vote for a formal dinner, with tuxedos preferred, beginning next year in New Orleans resulted. The location of this dinner will be announced later. Dr. Charles Frank offered a suggestion for a change in schedules to be considered for 1985, not applicable to the 1984 meeting at the Sheraton New Orleans. His proposal, with possible times, is as follows. The purpose was to allow more free time to enjoy recreational advantages of sites such as the Biltmore.

Thursday,	7:30 A.M.	Continental Breakfast
	8:00 - 10:00 A.M.	Scientific Session
	10:00 - 10:30 A.M.	Coffee Break
	10:30 - 12:30 P.M.	Scientific Session continued
	12:30 - 4:30 P.M.	Free time for the membership
	4:30 - 6:30 P.M.	Scientific Session
	6:30 - 7:30 P.M.	Reception
	7:30 - 9:00 P.M.	Dinner
	9:00 - 10:00 P.M.	Possibly President's portion of the program, whereas, alternatively, this might be held on Wednesday night
Friday,	7:30 A.M.	Continental Breakfast
	8:00 - 8:30 A.M.	Business Meeting
	8:30 - 11:00 A.M.	Second Scientific Session

These times as listed are only approximate but reflect the general idea of the discussion. A suggestion was made to leave the ultimate decision to the Council for consideration with invited input from the members. Members are encouraged to send in comments and opinions to the Secretary-Treasurer as soon as possible.

The Secretary reported that the 1984 meeting arrangements were well under way with the Sheraton New Orleans for Thursday and Friday, January 26 and 27. We will again be on European plan; that is, meals are in addition to the room charge. The Biltmore has confirmed us for 1985, Thursday and Friday, January 17 and 18, and tentatively confirmed us for 1986, Thursday and Friday, January 16 and 17, pending final action by the membership at the 1984 business meeting in New Orleans.

At this time, the Secretary presented on behalf of the membership the President's gavel to Robert C. Schlant, M.D., with deep appreciation. Dr. Schlant accepted the gavel and turned the chair over to the new President, Dr. Witham, who presided over the second scientific session.

#### SECOND SCIENTIFIC SESSION

Friday, January 14, 1983  
(8:45 A.M. to 1:15 P.M.)

Eight (8) well received, thoroughly discussed, scientific presentations completed the Twenty-Second Annual Meeting of the Association of University Cardiologists, Inc. The meeting was adjourned by Dr. Witham at 1:15 P.M.

Respectfully submitted,

  
Nancy C. Flowers, M.D.  
Secretary-Treasurer

NCF/dr

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.  
Minutes of the 23rd Annual Meeting  
The Sheraton New Orleans Hotel  
New Orleans, Louisiana  
January 26 and 27, 1984

A total of 88 members of the Association of University Cardiologists attended the 23rd annual meeting. This meeting was preceded and followed by Council meetings, also held at the Sheraton New Orleans Hotel on Wednesday, January 25 and Friday, January 27, 1984. All Council members were present.

COUNCIL MEETING  
Wednesday, January 25, 1984  
3:00 - 7:00 p.m.

The first Council meeting, held in the Southdown Room, was called to order by the president and the agenda was assumed only slightly out-of-order because one of our Council members had had a plane delay and we wished his presence before discussing the qualifications of the candidates for membership.

The Secretary-Treasurer presented the current membership status report of the Association, which indicated that at the conclusion of the 1983 meeting we had 124 active members, 12 inactive members, 35 emeritus members and one honorary member. Four active members, Drs. Brandenburg, Craige, Doyle and Zinsser, were transferred to emeritus status, having reached 65 years of age since the 1983 meeting. The Council acted positively on the requests of two active members, Drs. Hellems and Sinclair-Smith, who had fulfilled the requirements for elective transfer to emeritus status specified by the Constitution. The Council also acted positively upon the request of three active members, Drs. Mason, Bristow and Kuida, to assume an inactive status, each having fulfilled the requirements as specified in the Constitution. One inactive member, Dr. Thomas, was transferred to emeritus status, having reached the age of 65. Therefore, before consideration of the proposals of current candidates for membership, we had 115 active members, 14 inactive members, 42 emeritus members and 1 honorary member.

The Secretary-Treasurer reported on the progress toward achieving a status of Internal Revenue-declared tax-exempt for the organization, and the Council accepted the address of Robert C. Schlant, M.D., Emory University School of Medicine, Thomas K. Glenn Memorial Building, 69 Butler Street, S.E., Atlanta, GA 30303, as the formal address of the organization as suggested by legal counsel, since it is necessary that the Certificate of Incorporation have an address specified so that the Secretary of State of the State of New York, wherein we are incorporated as a non-profit organization, may have an individual and a location to mail any required notices to. Furthermore, at the suggestion of counsel, the Council of the Association of University Cardiologists voted to designate the New York Secretary of State as our agent for "service of process".

In order to obtain Internal Revenue Service recognition of the Association's tax-exempt status, amendments to our Certificate of Incorporation and our Constitution are necessary. Currently our purposes are stated in Article II of our Constitution as:

"To stimulate interest in academic cardiology through an informal exchange of ideas, and to advance cardiology as a clinical science by encouraging the pursuit of original investigations and teaching in university clinics and laboratories."

In the Certificate of Incorporation as presently worded, the purpose is stated as:

"to stimulate interest in academic cardiology through an informal exchange of ideas and to advance cardiology as a clinical science by encouraging the pursuit of original research and investigations and by encouraging the pursuit of teaching in university clinics and laboratories."

Our legal counsel has recommended that the purposes be reworded in both documents in order to comply with the Internal Revenue Code. Therefore, the following rewording of "purpose" is recommended, which the Council of the Association believes will not deviate from the original purpose, yet will meet the legal requirements for being declared tax-exempt:

"The purposes for which the organization is formed are educational and scientific within the meaning of Section 501(c)(3) of the Internal Revenue Code, including the stimulation of interest in academic cardiology, sponsoring, promotion and dissemination of the results of scientific research in the field of adult cardiology, and the advancement of education by creating an educational forum for singularly outstanding university faculty members holding positions in adult cardiology, and who are recognized as leaders in education and research."

Also, it is necessary to adopt and add to the Constitution and the Certificate of Incorporation a dissolution clause which will appear as Article X of the Constitution and Article VII of the Certificate of Incorporation, and reads as follows:

"The Corporation is organized and shall be operated as a non-profit organization, shall not have power to issue certificates of stock or to declare or pay dividends, and shall be operated exclusively for the purposes enumerated in Article II hereof. No part of the net income or net earnings of the Corporation shall inure to the benefit or profit of any private individual, firm or corporation.

"Upon the dissolution of the Corporation, the Board of Directors shall, after paying or making provisions for the payment of all of the liabilities of the Corporation, distribute all of the remaining assets of the Corporation exclusively for the purposes of the Corporation or for a similar public use or purpose, to such organization or organizations organized and operating exclusively for scientific or educational purposes as shall at the time qualify as an exempt organization

or organizations under Section 501(c)(3) of the Internal Revenue Code of 1954 as the same shall then be in force, or the corresponding provision of any future United States Internal Revenue Law, or to the United States of America, the State of New York, or a local government within the State of New York, as the Board of Directors shall determine or in the absence of such determination by the Board of Directors, such assets shall be distributed by the Supreme Court of the State of New York to such other qualified exempt organization or organizations as in the judgment of the Court will best accomplish the general purposes or a similar public use or purpose of this Corporation. In no event shall the assets of this Corporation, upon dissolution, be distributed to a director, officer, employee or member of this Corporation.

"The dissolution of this Corporation and any distribution of the assets of this Corporation incident thereto shall be subject to such law, if any, then in force as may require the approval or consent thereto by any Court or Judge thereof having jurisdiction or by any governmental department or agency or official thereof."

The Council voted positively to amend the purposes as stated in both the Constitution and in the Certificate of Incorporation and to add the dissolution clause to each as recommended by legal counsel and specified above in order to qualify us for a tax-exempt status. These items will have to be voted upon by the entire membership at the regular business meeting, to be held on January 27, 1984.

In reviewing members who have missed the last three years for possible termination of membership, the Secretary reported that one of the individuals had requested to assume an inactive status, and was indeed eligible to assume that status. This member, as well as the other three who were in jeopardy, all planned to be present at the 1984 meeting; however, there were eleven other members who had missed two previous years successively. Two of these had requests before the Council to become inactive. The others planned to be present in 1984.

The Council voted to regularly re-convene annually at the end of the scientific session on Friday in order to consider recommending to the membership the dropping from the roster of any member who has missed three consecutive meetings. Because the attendance requirement can be met if an individual attends only a portion of the last day's meeting, Council would not necessarily know until the end of Friday's meeting that a given person was in difficulty. However, Council will have considered in detail the circumstances of members in potential jeopardy prior to this time. In the event said members are not present by the business meeting on Friday, Council will recommend to the membership they be dropped at the Friday afternoon Council meeting, if they have not appeared in the interim, and if no Providential extenuating circumstance has obtained. Thus, the Constitutional provision will now be literally applied, and the effective fourth year of grace, awaiting the following year's Council recommendation and members' concurrence will no longer obtain.

Dr. Schlant briefly presented tentative plans of the American College of Cardiology and the American Heart Association to co-sponsor an annual or every-two-year program on the teaching of cardiology. No definitive action was

taken by Council since this was mainly an informational item, but some consideration of format and consideration of the most effective type program would be an appropriate area for consideration by our group. Dr. Schlant was asked to summarize the details at the Business Meeting on Friday, January 27.

The Council voted to recommend the Arizona Inn for our 1985 meeting, and to release the Biltmore. The Council suggested that the Secretary check the feasibility of shifting the meeting to the next week in January, that is, January 24 and 25, if the Arizona Inn could accommodate us. The earlier time period had been assumed because the Arizona Biltmore could not accommodate us the later week. The group appeared to prefer three or four weeks from the New Year's holiday rather than only two weeks. Other future dates will be finalized in the Council meeting on Friday.

Although many pharmaceutical houses were approached, five contributed educational grants for the support of the 1984 meeting. For the first time, as the result of a positive Council vote in 1983, it was deemed appropriate to seek undesignated donations for the support of this program. Mechanisms of increasing our effectiveness securing such support were discussed and will be implemented after our tax-exempt status is clarified.

Twenty-one proposals of candidates for membership were reviewed, including their letters of support. Nine candidates were recommended for active status to be voted upon by the full membership at the business meeting on January 27, 1984. Assuming election of the recommended candidates and endorsement of the changes in status as recommended above, at the conclusion of the 1983 meeting our membership totals should be 124 active members, 14 inactive members, 42 emeritus members and 1 honorary member.

The Council meeting was adjourned at 7:00 p.m. and the group proceeded to the Past Presidents' Reception.

PRESIDENT'S PROGRAM  
Thursday, January 26, 1984  
8:30 - 11:30 a.m.

The President's Program addressed questions relevant to the changing content of the training program for cardiologists, and what emphasis should be given to training cardiology trainees in performing the many diagnostic techniques associated with our discipline. Brief introductory remarks were made by President A. Calhoun Witham, M.D., followed by presentations from Drs. Robert A. O'Rourke, E. William Hancock, C. Richard Conti, Robert C. Schlant, Leonard S. Gettes, J. Michael Criley, Pravin M. Shah, and Robert J. Adolph. A lively discussion period followed, with active participation from many members. The formal presentors will be asked to provide the Secretary-Treasurer with a brief synopsis of their presentations, including any consensus that may have been reached during the discussion period. These summaries will be duplicated and circulated by the Secretary-Treasurer when all have been received. Drs. Schlant and Leonard asked for comments and interest of the members in a program primarily dealing with the teaching of cardiology and which might be sponsored jointly by the American Heart Association and the American College of Cardiology on an annual or every two year basis. On a show of hands, all

members of the Association except one felt that such a conference would be of value. Dr. Schlant then asked for a show of hands regarding the duration of training in clinical cardiology and there was virtually unanimous agreement that this should be no less than 24 months devoted to clinical cardiology. The membership was then asked whether or not training programs in cardiology should have mandatory training in electrophysiology and and nuclear cardiology. There was a clear majority (but not unanimous) show of hands that such training should be mandatory. When asked whether or not the members favored a matching program for the appointment of fellows in cardiology, there was a nearly unanimous show of hands in favor of such a program; however, when the membership was asked whether or not they thought such a program would work, only approximately 60% felt that it would actually work in practice. Adjournment of the first session took place at approximately 11:30 a.m.

FIRST SCIENTIFIC SESSION  
Thursday, January 26, 1984  
1:00 p.m. - 5:30 p.m.

The President opened the first scientific session with the introduction of new members who were elected in 1983. Drs. Jonathan Abrams, Anthony N. DeMaria, William Grossman, Mark E. Josephson and John H. Laragh were introduced, while Dr. Robert I. Levy would not be present until the second scientific session. In addition to the eight papers scheduled for presentation on the first day, it was necessary to move Dr. Mark Josephson's paper into the first day because an emergency arising at his home institution required his departure on the evening of the first day. Excellent discussion followed each paper.

The announcement was made regarding the formal reception and dinner to be held at Antoine's Restaurant at 7:00 p.m. The membership was encouraged to clarify their intent to attend the dinner at Antoine's. If collected funds were insufficient, it was pointed out that the management would be forced to cut off the guests' cherries jubilees. This caused some concern among the members from afar, until it was explained that this was a regional dessert. On that note, the first scientific session was adjourned at 5:30 p.m.

FORMAL RECEPTION & DINNER  
Antoine's Restaurant  
Thursday, January 26, 1984, 7:00 p.m.

One hundred ten members and guests enjoyed a delightful reception at which new members were identified with carnation boutonnières. The dinner was beautifully served and characteristically delicious.

BUSINESS MEETING  
Friday, January 27, 1984  
8:00 a.m. - 8:45 a.m.

The President called the meeting to order and asked for the Treasurer's financial report. The Secretary-Treasurer reported a balance of \$12,880.02. As-



sets included a Balance on Hand of \$3,161.89 and total Accounts Receivable of \$13,290.00. Total Accounts Payable were \$3,571.87. Only two members have outstanding dues for the year 1983, including one active and one inactive member. The Auditing Committee, composed of Drs. Frank Marcus and Michael Criley, approved the report.

The Secretary was called upon to report on details of our progress toward a tax-exempt status. Because of the necessity of amending the purposes of our organization and the addition of a dissolution clause, both in the Certificate of Incorporation in the State of New York and in our present Constitution, the membership was given written notice of this meeting not less than ten days nor more than fifty days before the meeting with the items to be considered outlined for their consideration. The notice of the meeting stated the time, date and location of this meeting and included a form for proxy vote for any member who found he could not be present at this time. A clear majority of active members voted in writing on the issue, totaling 60 votes present at the meeting and 35 votes by written proxy, for a total of 95 votes of a total of 124 active members. There were no negative votes. The additions and changes, therefore, were incorporated as detailed in the mailing to the membership on November 23, 1983, and outlined in the minutes of the Council meeting of January 25, 1984, here attached.

The next step is for the amendments to be forwarded to the New York State Commissioner of Education for his consent and the New York Attorney General must be notified. Additionally, since the purposes are being changed, the approval of the New York State Supreme Court in Albany County will be required. Internal Revenue Service form 1023 will be tentatively completed by the Secretary-Treasurer, with final completion and formal filing by our legal counsel.

The President expressed appreciation on behalf of the Secretary and the membership for the assistance of Joan Berenson in making arrangements in New Orleans. A hearty round of applause followed.

The President recommended that the secretary of the Secretary-Treasurer receive a \$400.00 honorarium for work performed during the entire year. The motion was made and seconded and passed unanimously.

Dr. Witham announced Council's decision to meet at the Arizona Inn in 1985. The dates were set for Thursday and Friday, January 24 and 25, since the Council and most of the membership preferred the latter part of January whenever possible, but had been constrained by the Arizona Biltmore's bookings to the earlier week. The membership was asked for an informal show of hands of those who were enthusiastic about returning to New Orleans in 1986. The response appeared to be unanimously positive.

The President called on the Nominating Committee, comprised of Chairman Gerald Berenson, M.D., and Marvin Dunn, M.D., who offered the following names in nomination:

Councillor 1984-86: James K. Alexander, M.D. (This would ordinarily have been a 3-year term, but because of Dr. Alexander's projected date for emeritus status, he will serve two years.)

Secretary-Treasurer 1984-87: James E. Doherty, III, M.D.

Vice President 1984-85: Nancy C. Flowers, M.D.

President 1984-85: E. William Hancock, M.D.

The nominees were subsequently elected by the active membership.

The immediate past president, A. Calhoun Witham, M.D., assumes a 1-year term as Councillor, replacing Robert C. Schlant, M.D.

Arnold M. Weissler, M.D., will continue the second of a 2-year term as Councillor

~~Robert J. Adolph, M.D., will serve the second of a 3-year term as Coun-~~  
cillor

The following nine candidates were recommended by the Council for active membership in the Association and were subsequently elected by secret ballot of the active members.

Bernadine Healy Bulkley, M.D., Johns Hopkins University, Baltimore, MD  
Peter F. Cohn, M.D., State University of New York, Stony Brook, NY  
Gordon Ewy, M.D., University of Arizona School of Medicine, Tucson, AZ  
Joseph A. Franciosa, M.D., Univ. of Arkansas College of Med., Little Rock, AR  
Valentin Fuster, M.D., Mt. Sinai School of Medicine, New York, NY  
Kenneth Lance Gould, M.D., University of Texas Medical School, Houston, TX  
John B. Kostis, M.D., UMDNJ/Rutgers Medical School, New Brunswick, NJ  
Ralph Lazzara, M.D., University of Oklahoma, Oklahoma City, OK  
Patrick Hugo Lehan, M.D., University of Mississippi, Jackson, MS

At this time, the Secretary-Treasurer presented the President's gavel to A. Calhoun Witham, M.D., on behalf of the membership, with deep appreciation. Dr. Witham accepted the gavel and turned the chair over to the new President, E. William Hancock, M.D., who presided over the second scientific session.

#### SECOND SCIENTIFIC SESSION

Friday, January 27, 1984

9:00 a.m. - 1:30 p.m.

Eight scientific presentations, including the first alternate, were extremely well received and thoroughly discussed by the membership. The 23rd Annual Scientific Session of the Association of University Cardiologists, Inc., was, therefore, concluded with the announcement that there would be a brief Council meeting after adjournment, which occurred at 1:30 p.m.

#### COUNCIL MEETING

Friday, January 27, 1984

1:30 p.m.

Because every member who had been in jeopardy of termination of membership because of missing 3 consecutive meetings was present Thursday, Friday or both days, and no action was necessary in this regard on the part of the Council.

Because of the overwhelming positive expression by a show of hands of a desire to return to New Orleans in 1986, the Council formalized the designation of the Sheraton New Orleans, in New Orleans, Louisiana, as the meeting site for the Association of University Cardiologists on Thursday and Friday, January 16 and 17, 1986. Further, the Secretary-Treasurer was authorized to release the Arizona Biltmore for 1986, as well as for 1985, but to retain the Biltmore on a tentative basis for 1987, pending the reaction on the 1985 meeting at the Arizona Inn, in Tucson. The Secretary-Treasurer was authorized to tentatively commit to the Sheraton New Orleans for 1988, and set the meeting, if possible, one week later, January 21 and 22.

The dates were established for the Southern Society for Clinical Investigation for the next three years, and with an eye toward avoiding conflict with that meeting if possible, yet meeting toward the end of January, the following dates have been established for the next four years for the Association of University Cardiologists.

1985--Thursday and Friday, January 24 & 25, Arizona Inn, Tucson, AZ

1986--Thursday and Friday, January 16 & 17, Sheraton New Orleans, New Orleans, LA (Because the Super Bowl is on January 26, it was impossible to move the meeting a week later in 1986)

1987--Thursday and Friday, January 15 & 16, Arizona Biltmore, Phoenix, AZ  
(Very tentative--will try for January 22 and 23 if held elsewhere)

1988--Thursday and Friday, January 21 & 22, Sheraton New Orleans, New Orleans, LA (Tentative)

Respectfully submitted,

Nancy C. Flowers, M.D.  
Secretary-Treasurer, 1981-84

NCF/ty

A M E N D M E N T S  
TO THE

Minutes of the 23rd Annual Meeting  
of the Association of University Cardiologists, Inc.

January 26 and 27, 1984

Page 4, Paragraph 3, Line 5

The minutes should be changed to read ". . .at the conclusion of the 1984 meeting our membership totals should be. . ."

Page 6, Paragraph 6, Line 1

The minutes should be corrected to read ". . .the Nominating Committee, comprised of Chairman Larry Cohen, M.D., Gerald Berenson, M.D., and Marvin Dunn, M.D., who offered. . ."

Page 8, Future Meetings Listing

In 1987, on Thursday and Friday, January 15 and 16, the Arizona Biltmore, in Phoenix, Arizona, is held tentatively for our meeting as stated. We also have, however, the McCormick Inn, in Scottsdale, Arizona, tentatively held for January 22 and 23 of that same year.

MINUTES 24th ANNUAL MEETING  
ASSOCIATION UNIVERSITY CARDIOLOGISTS, INC.  
ARIZONA INN, TUCSON AZ  
JAN. 23-25, 1985

A total of 88 members of the Association of University Cardiologists, Inc. attended the 24th annual meeting. This meeting was preceeded and followed by Council meetings, also held at the Arizona Inn on Wednesday, Jan. 23 and Friday 25, 1985.

COUNCIL MEETING  
23 Jan. '85

3:00 PM. Safari Room

Meeting was called to order by President Hancock.

Present Dr. James E. Doherty, Secretary-Treasurer  
Dr. Nancy Flowers, Vice President  
Dr. Arnold Weissler, Councilor  
Dr. James Alexander, Councilor  
Dr. Robert Adolph, Councilor  
Dr. A. Calhoun Witham, Past President

Applications from Dr. Charles Frank, Charles Fisch, Walter Abelman, Calhoun Witham, and George Rowe for emeritus membership were accepted. These individuals all qualify for this status.

This action made six positions available for election to active membership, there now being 119 active members and 125 permitted.

There were 11 nominations to active membership. The following five candidates were selected for presentation to general membership:

Dr. Roman DeSanctis  
Dr. Richard Kerber  
Dr. Gerald Pohost  
Dr. Carl Pepine  
Dr. Carl Strauss

Status of corporate changes were discussed and it was decided to allow Dr. Robert Schlant to discuss this with the membership at the business meeting and take appropriate action.

Dr. James Shaver and Dr. Ralph Shabeti were appointed to the Auditing Committee for 1985.

Drs. Richard Conti, William Hancock and Calhoun Witham were appointed to the nominating committee for 1985. Three nominations are required:

- 1) President (Dr. Flowers)
- 2) Vice President (to be selected)
- 3) Councilor (to be selected)

Meeting sites for future years were discussed.

1986    New Orleans Sheraton  
January 16-17, 1986 FIRM

1987    ? Phoenix vs. Tucson  
January 22-23, 1987

1988    New Orleans, Tentative

1989                       ?

The council meeting adjourned at 6:30 P.M.

January 24, 1985

At 9:30 a.m. President Hancock called the President's program to order and announced that the first presenter on the program, Dr. David Greene, was stranded in the snow in the east and would not be at the meeting. He introduced Dr. Ward Kennedy who discussed Invasive Cardiology in Community Practice drawing largely on experience in Washington State. This indicated that cost of cardiac catheterizations varied with type; least for coronaries only, more for complicated valves and most for PTCA. Out-patient cath was discussed. Dr. Yang Wang then discussed the value of hemodynamics in cardiologic medicine and made a plea for recognition of the evaluation of findings as well as technical skill. Dr. Robert Frye then presented the case for accreditation and certification in invasive techniques and Dr. Donald Harrison presented an overview of invasive cardiology in academic centers.

A very lively discussion period followed. Economic pressures to do procedures were stressed as well as need to return to basic talents of history and physical examination.

#### FIRST SCIENTIFIC SESSION

1:00 PM Eight presentations to the general membership were accomplished. The meeting was adjourned at 5:30 PM.

#### BUSINESS MEETING

8:00 A.M.

Jan. 25, 1985

The meeting was convened at 8:03 a.m. by President Hancock in the Tucson Room of the Arizona Inn.

The amended minutes of the 1984 New Orleans meeting were approved as mailed to the membership.

President Hancock reported that the council had met and recommends Drs. Roman DeSanctis, Richard Kerber, Gerald Pohost, Carl Pepine and Carl Strauss for active membership. The nominees were elected. A brief discussion followed regarding increasing the size of the active membership of the organization. Pros and cons were represented and it was pointed out that even though President Hancock had to seek for emeritus members to create positions that one position was still left unfilled from the slate of nominees. The discussion terminated without any action being taken to increase the size of the active membership.

President Hancock then asked for a report from the Auditing Committee, consisting of Dr. Ralph Shabati and Dr. James Shaver. Dr. Shabati reported that the treasurer's books were in order and the committee's report was accepted by a vote of the membership. The president recommended that the secretary of the secretary-treasurer receive a \$400.00 honorarium for work performed during the entire year. A motion was made, seconded and carried unanimously.

Dr. Robert Schlant reported to the membership on the status of proposed corporate changes in the organization. After much discussion a motion was made by Dr. Schlant, seconded by Dr. Shabeti to change the name of the organization from "The Association of University Cardiologists" to "Association of University Cardiologists, Inc." was adopted. The new corporation will be established in conformity to laws of Georgia as a nonprofit corporation. It was felt this could be accomplished within 4-6 weeks. Dr. Schlant was authorized to proceed with organization of this change by affirmative vote of the membership.

Dr. Richard Conti, Chairman of the nominating committee, which consisted of Drs. Conti, Hancock and Witham, nominated for

President, Dr. Nancy Flowers  
Vice-President, Dr. Michael Criley  
Secretary-Treasurer, James E. Doherty  
(second year of three-year term)  
Councilor, Dr. Gerald Berensen

The report of the committee was accepted by acclamation.

Dr. Nancy Flowers assumed the presidency of the Association and expressed the appreciation of the membership to Dr. Bill Hancock for his service and excellent leadership during 1984-85. She then presented a gavel to him engraved with his name and years of service on behalf of the Association.

The Second Scientific Session followed which consisted of eight presentations which were all well received by the membership. After the last presentation, the meeting was adjourned by President Flowers at 1:25 p.m.

#### COUNCIL MEETING

The council was convened by President Flowers at 1:30 p.m. Jan. 25, 1985. Present were Drs. Nancy Flowers, James Doherty, Robert Adolph, William Hancock, Gerald Berensen and James Alexander. Dr. Arnold Weissler was also present in an ex-officio capacity, having just completed the second year of a two-year term as Councilor. Principal topic of interest was location of the meeting in 1987 (1986 meeting confirmed for Sheraton New Orleans Jan. 16-17, 1986). Super Bowl is in New Orleans Jan. 26th and we had to accept earlier date). The feeling of the membership was that although Tucson was a good city for the meeting, the Arizona Inn was really too small was agreed by the Council. Dr. Weissler was authorized to inspect facilities at Loews Ventana Canyon. Other possibilities include Doubletree Inn and the Sheraton El Conquistadore. Other Tucson and Phoenix possibilities include the Arizona Biltmore and McCormick Ranch. Puerto Rico is also a possibility which will be explored.

Respectfully submitted,

James E. Doherty, M. D.  
Secretary-Treasurer



MINUTES OF 25th ANNUAL MEETING  
(Silver Anniversary!)  
ASSOCIATION UNIVERSITY CARDIOLOGISTS, INC.  
SHERATON NEW ORLEANS, NEW ORLEANS, LA  
JAN. 16-17, 1986

Council Meeting: January 15, 1986, 2 PM Bobby Burns Room, Sheraton New Orleans Hotel.

Present:

President Nancy C. Flowers, M. D.  
Vice President Michael Criley, M. D.  
Secretary-Treas. James E. Doherty, M. D.  
Councilor Robert J. Adolph, M. D.  
Councilor James K. Alexander, M. D.  
Councilor Gerald S. Berenson, M. D.  
Councilor E. William Hancock, M. D.

The council affirmed meeting site for Jan. 22-23, 1987, Carmel, California at the Quail Lodge.

Tentative affirmation for meeting in New Orleans at the Sheraton on Canal was given pending the outcome of meeting and evaluation of the facilities.

The report of the IRS approval of the Association of University Cardiologists, Inc. as a publicly supported corporation of Georgia, eligible for charitable contributions.

Dr. Herbert Hultgren and Dr. Noble Fowler will be asked to write a brief history of the AUC for presentation at the 26th annual meeting to help acquaint members of the history of the AUC.

Council reviewed the credentials of 14 candidates for membership which were proposed for 7 existing vacancies (1986 - 118 active members, 125 permitted) and 6 were selected for recommendation for membership at the annual business meeting on Jan. 17, 1986.

Those recommended were:

Alan Fogelman  
Robert Roberts  
Bruce H. Brundage  
Jay W. Mason  
Frederick Ross Cobb  
Robert James Bache

Council adjourned at 6:15 p.m.

The President's Reception was held from 7-9 PM on 15th of January 1986 at Bayside Room and was attended by approximately 30 members and guests.

The first scientific session was held 16th January 1986 with President's Program being presented in the morning. (See program for details). A lively

discussion followed each presentation. General agreement seemed to support the idea of a "crisis" in academic cardiology, problems of training programs, "glut" of cardiologists, competition with private sector, matching programs, length of fellowship training, and the attitude of the VA and NIH toward research and training programs. Dr. Braunwald stressed the "creative potential", tool proliferation making necessary tracking and substantive change in patient care. The role of molecular biology in the future of cardiology was stressed and the support of AHA in this vital area was discussed.

Dr. Schlant discussed briefly the effect of recommendations of the Bethesda Conference on cardiology training programs and Dr. John Graettinger the matching program. The afternoon program began at 1:00 p.m. with introduction of new members elected in 1985:

Roman DeSanctis  
Richard Kerber  
Carl Pepine  
Gerald Pohost  
Harold C. Strauss

A moment of silence was observed in memory of Bruce Sinclair-Smith who died during the past year.

The scientific abstract program consisted of 8 presentations and discussion and was adjourned at 5:35 p.m.

The annual formal dinner (sponsored by Marion Labs, Inc. of Kansas City) was held at Antoine's and was enjoyed by about 100 members and guests.

The 25th annual business meeting was convened by President Flowers at 8:15 a.m. Jan. 17, 1986.

The minutes of the 1985 meeting in Tucson were accepted as mailed to the membership by acclamation.

President Flowers reported on the corporate status of the Association of University Cardiologists, Inc. The Georgia corporation has just been rated as a publicly supported organization by the IRS. This is the best possible designation. We now await the Georgia state decision on our application for a similar status with their revenue department.

Auditing Committee:

Dr. John Kostis, Chairman  
Dr. Richard Lewis

reported some minor discrepancies in Dr. Doherty's books, but these were readily explained by bookkeeping technique. Report was accepted by the membership.

The secretary's report was given by Dr. Doherty and gave membership the decision of the council for meeting at Carmel, California on Jan. 22-23, 1987 at Quail Lodge. Plans were discussed for a meeting in New Orleans in 1988 and the membership favored this by a vote of 30 to 18.

(Owing to poor performance of the Sheraton Hotel staff for this meeting - heat, air conditioning, distracting sound, audiovisual problems - no sound at times - the secretary and Councilor Berenson are examining other New Orleans sites for 1988).

The candidates recommended by the Council (Fogelman, Roberts, Mason, Brundage, Cobb, Bache) were elected by the membership by secret ballot. Drs. Fuster and Scherlis served as tellers.

The nominating committee, Dr. Myron Weisfeldt and Dr. Morton Arnsdorf with Dr. Robert Schlant as chairman, presented the following candidates:

President - - J. Michael Criley  
Vice President - - Robert Adolph  
Secretary Treasurer - - James E. Doherty  
Councilor - - 2 yr. G. Berenson  
Councilor - - 3 yr. James Shaver  
Councilor - - 1 yr. Rolf Gunnar  
Councilor - - 1 yr Nancy Flowers

No others were nominated and the entire slate was elected.

Dr. Nancy Flowers thanked the membership for their support during her term as president and expressed her faith in the AUC as an active, viable organization. President Criley presented a walnut gavel to her inscribed, "Nancy Flowers, M.D., President 1985-86, Association of University Cardiologists."

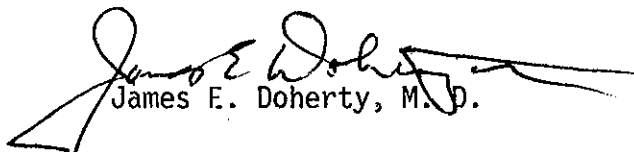
Dr. Criley expressed his thanks to Dr. Flowers for her service and presided over the 9 remaining papers and discussion. Adjournment was at 1:30 p.m.

The second council meeting convened at 1:35 p.m. and approved \$400 honorarium for the Secretary's secretary, Ms. Faye Hill.

Dr. Richard Ross and Dr. Tom Bruce's resignations were accepted.

Dr. Dan Lucas was noted to have missed 3 consecutive meetings and unless extenuating circumstances are present, the council will recommend that he be dropped from membership role at next business meeting.

Respectfully submitted,

  
James E. Doherty, M.D.

ADDENDUM:

The Annual Meeting in 1988 will be held at the New Orleans Hilton, at Poydras at Mississippi on January 21, 22, 1988. Please put this on your calendar.

MINUTES OF THE 26th ANNUAL MEETING  
ASSOCIATION OF UNIVERSITY CARDIOLOGISTS, INC.  
Quail Lodge, Carmel, California  
January 22, 23, 1987

First Council meeting, January 21, 1987, 3:00 p.m., Glass House, Quail Lodge

Present:

President, J. Michael Criley, M.D.  
Vice President, Robert J. Adolph, M.D.  
Secretary-Treasurer, James E. Doherty, M.D.  
Councilor, Rolf M. Gunnar, M.D.  
Councilor, Nancy C. Flowers, M.D.  
Councilor, James Shaver, M.D.

Dr. Gerald Berenson was absent but provided Dr. Doherty with his evaluation and ranking of the candidates in nomination for active membership.

Dr. Criley called the meeting to order. The council accepted applications for emeritus status of J. Ray Prior and inactive status of T. William Moir, and the resignation of Joe Franciosa was noted.

Dr. Doherty advised the council of the membership status of the association as follows:

Active members.....119 (125 permitted)  
Inactive members.....12  
Emeritus members.....48  
Honorary members.....1

Total membership.....180

The council then reviewed 9 candidates for membership.

Those selected were:

Hugh Smith, Mayo Medical School  
Richard Popp, Stanford University  
Carl Leier, Ohio State University  
James Leidtke, University of Wisconsin  
Martin LeWinter, University of Vermont  
Joel Karliner, University of California at San Francisco

The council affirmed the earlier change in location of New Orleans, Louisiana meeting from the Sheraton-New Orleans, to the Hilton on the Riverfront, January 21, 22, 1988.

Dr. Criley presented the Council members with First Quarter Century - a tribute to George Burch, the Association's Founder. This history of the Association of University Cardiologists is mounted in a copy of the first scientific program of the organization in Chicago at the Drake Hotel, February 15, 16, 1962, was compiled by Dr. Criley who acknowledges help from many others in the association; particularly Robert A. Bruce, Howard Burchell,

Ludwig Eichna and Charles Kossmann. A list of all the past officers of the organization was also included as well as the founding members. The council authorized payment for printing the history.

Dr. Flowers stated she had heard from Donald M. MacCanon, of the NHLB Institute (one of last year's guest speakers) and that he was disappointed in not being invited to return. The program is the responsibility of the President and non-members are not invited to meetings. Dr. Adolph (later elected president) and Dr. Criley said they would consider and make recommendations on this matter.

The Council noted that 4 memberships are in jeopardy if members do not attend this meeting.

The Council meeting adjourned at 6:00 p.m.

The president's reception was held at the Carmel Valley Room of the Carmel Country Club from 7:00 - 9:00 p.m. and was attended by 48 members and guests.

The first scientific session was held January 21, 1987 at Quail Lodge with the President's Program being presented in the morning. Dr. Criley distributed the History of the Association and the George Burch Tribute to the membership at this time with appropriate comments.

A moment of silence was observed in his memory by the membership.

Dr. Henry Blackburn, a former pupil of Dr. Burch, presented the George Burch Memorial Lecture entitled, "Sick Individuals and Sick Populations", and also made some remarks about Dr. Burch's career.

The Scientific abstract program began at 2:00 p.m. with the introduction of new members:

Alan Fogelman  
Bruce Brundage  
Fred Cobb

Robert Roberts  
Jay Mason  
Bob Bache\*

\*absent because of serious family illness.

Dr. J. K. Perloff was ill and could not present his abstract selected for the program. In lieu of his paper, a discussion of the Cardiology Fellowship Matching Program was discussed by the membership with Jack Graettinger leading the discussion and answering questions. He pointed out that cardiology match was working better than most of the other sub-specialty matches. It was pointed out that as many as 8 - 10 major programs will not participate. Dialogue continues. Most agree that a uniform date is desirable, but is it too soon?

The three remaining abstracts in the first part of the afternoon session were then presented.

The second part of the afternoon session convened at 3:30 p.m. and because Charles Rackley was snow-bound in Washington, Dr. Alan Fogelman read his paper in advance of the scheduled time.

The scientific session was adjourned at 5:30 p.m.

The Annual Formal Dinner was held at the Monterey Aquarium and was attended by 130 members and guests. The aquarium was a spectacular experience, and management, guides, Marion Laboratories represented by Mike Gorman (who sponsored the event) are to be congratulated. Also, thanks to Dr. Criley for suggesting the location - his hometown is Monterey.

The 26th Annual Business Meeting was convened at 8:15 a.m. in the Valley Room by Dr. Criley.

Minutes of the 1986 meeting in New Orleans were approved as mailed to the membership.

Dr. Criley called for committee reports:

Auditing Committee: Richard Leighton, Chairman, and Martin Arnsdorf report treasurer's financial report is in order and it was accepted by a vote of membership in the association.

Council recommendations for membership were elected by secret ballot with Dr. Haber serving as teller. The new members elected were Smith, Popp, Leier, Leidtke, Karliner, and Lewinter.

The Nominating Committee consisting of Dr. Robert Schlant as chairman, with Drs. Marvin Dunn and Richard Kerber nominated for:

President - Robert J. Adolph  
Vice-President - James E. Doherty  
Secretary-Treasurer - Larry Cohen (3 year term)  
Councilor - Rolf Gunnar (2 year term)  
Councilor - J. Michael Criley (1 year term)  
Councilor - James Shaver (2 year term)

There were no nominations from the floor and the slate was elected by acclamation.

Dr. Criley thanked the membership for support during his term as President and Dr. Robert J. Adolph assumed the presidency of the association.

Dr. Adolph then presented Dr. Criley with a walnut gavel engraved: J. Michael Criley, M.D., President, Association of University Cardiologists, 1986-1987.

Dr. James Warren suggested the possibility of a joint meeting with the British Cardiac Society should be explored.

Dr. Robert Schlant reported association is now officially a Georgia-Tax exempt corporation.

The membership expressed a desire to return to Quail Lodge in 1989. Dr. Adolph presided over presentation of the remaining 7 papers, and the meeting was adjourned at 12:30 p.m. Seventy-seven members attended Carmel Meeting.

The Second Council meeting was convened by Dr. Adolph at 12:35 p.m. Drs. Thomas Bigger and Jere Mitchell were removed from membership for three consecutive absences from the annual meeting.

The Annual meeting for New Orleans, January 21, 22, 1988 is to be at the New Orleans Hilton at Poydras and Mississippi. Please mark your calendars now!

Respectfully submitted,

JAMES E. DOHERTY, M.D.  
Secretary-Treasurer

# ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

Lawrence S. Cohen, M.D.  
Secretary-Treasurer

February 4, 1988

Mailing Address:  
Yale University School  
of Medicine  
333 Cedar Street, 3FMP  
New Haven, CT 06510  
(203-785-4128)

## Minutes of the 27th Annual Meeting

The New Orleans Hilton Hotel  
New Orleans, Louisiana  
January 21-22, 1988

A total of 76 members of the Association of University Cardiologists attended the 27th annual meeting. This meeting was preceded and followed by Council meetings also held at the New Orleans Hilton on Wednesday, January 20 and Friday, January 22, 1988.

### COUNCIL MEETING

Wednesday, January 20, 1988  
3:00 - 6:00 p.m.  
Chequers Room

#### Present:

President	Robert J. Adolph, M.D.
Vice-President	James E. Doherty, M.D.
Secretary-Treasurer	Lawrence S. Cohen, M.D.
Councillor	Rolf M. Gunnar, M.D.
Councillor	James Shaver, M.D.
Councillor	J. Michael Criley, M.D.

Doctor Gerald Berenson was absent but provided Doctor Cohen with his evaluation and ranking of the candidates in nomination for active membership.

Doctor Adolph called the meeting to order. Two active members, Doctors Berenson and Swan, were transferred to emeritus status, having reached 65 years of age since the 1987 meeting. The Council acted positively on the request of Doctor Killip who fulfilled the requirements for elective transfer to emeritus status specified by the Constitution. The Council also acted positively upon the request of two active members, Doctors Kloster and Shine, to assume an inactive status, each having fulfilled the requirements



as specified in the Constitution. Doctors Kennedy and Lesch missed three consecutive meetings. After considerable discussion it was voted to remove them from membership in the Association but to urge them to reapply for membership next year. Therefore before consideration of the proposals of current candidates for membership, we had 114 active members, 14 inactive members, 56 emeritus members and 1 honorary member.

The Council then reviewed 7 candidates for membership.

Those selected were:

Carl Apstein, Boston University School of Medicine  
George Cooper, IV, Medical University of South Carolina  
Allan M. Ross, George Washington School of Medicine  
Robert A. Vogel, University of Maryland School of Medicine

Assuming election of the recommended candidates, at the conclusion of the 1988 meeting there would be 118 active members.

The Council reaffirmed that the site of the next meeting would be Quail Lodge, Carmel, California with arrival on January 18, 1989 and the scientific sessions on January 19-20, 1989.

A discussion of dues was held. Increasing costs of the meeting and a less than complete member payment of dues has resulted in a shrinking bank balance. It was voted to recommend that dues be increased to \$50 annually. Also it was agreed that vigorous efforts be made to get 100% payment of dues from the membership.

The Council meeting was adjourned at 6:15 p.m.

A reception was held in the Eglinton and Winton Room from 7:00-9:00 p.m. and was attended by approximately 55 members and guests.

### **PRESIDENT'S PROGRAM**

Thursday, January 21, 1988  
10:00 - 11:30 a.m.

Dr. Paul A. Bottomley, Director of Research for General Electric gave a brilliant presentation entitled "Future Directions for NMR Imaging and Spectroscopy."

### **FIRST SCIENTIFIC SESSION**

Thursday, January 21, 1988  
1:00 p.m. - 5:30 p.m.

The President opened the first scientific session with the introduction of new members elected in 1987. Doctors Joel Karliner, Carl Leier, Martin LeWinter, James Liedtke, Richard Popp and Hugh Smith were introduced. In addition, Doctor Robert Bache who was elected in 1986 and who could not attend the 1987 meeting was introduced. Eight papers were presented on the first day. Doctor George Beller gave his paper on Thursday afternoon, switching with Doctor Shabudin Rahimtoola. Excellent discussion followed each paper. The first scientific session was adjourned at 5:30 p.m.

### **FORMAL RECEPTION AND DINNER**

Thursday, January 21, 1988, 7:00 p.m.

One hundred ten members and guests enjoyed a delightful reception and excellent dinner. Marion Laboratories, our host for the evening, was given a vote of thanks.

### **BUSINESS MEETING**

Friday, January 22, 1988  
8:00 a.m. - 9:00 a.m.

The 27th Annual Business Meeting was convened at 8:15 a.m. in the Elmwood Room by Doctor Adolph.

Minutes of the 1987 meeting in Carmel, California were approved as mailed to the membership.

Doctor Adolph called for committee reports:

Auditing Committee: Doctors Jonathan Abrams and Gordon Ewy report the treasurer's financial report is in order, but noted the falling balance. The financial report was accepted by a vote of the membership in the Association.

Members are urged to pay their 1988 dues promptly upon receipt of the enclosed bill.

Nominating Committee: The nominating committee consisting of Doctor Richard Lewis as chairman, with Doctors Leo Horan and Jay Sullivan nominated for:

President	-	James E. Doherty
Vice-President	-	Rolf Gunnar
Councillor	-	Herbert Levine (2 years)
		Allan Mark (3 years)
		James Shaver (1 year)
		Robert Adolph (1 year).

There were no nominations from the floor and the slate was elected by acclamation.

The site of the next meeting will be Quail Lodge, Carmel, California on January 18-20, 1989.

The following four candidates were recommended by the Council for active membership in the Association and were subsequently elected by secret ballot of the active members:

Carl S. Apstein  
George Cooper, IV  
Allan M. Ross  
Robert A. Vogel

Doctor Jack Graettinger and Doctor Bruce Brundage gave an update on the Fellowship Matching Program. At the Professors of Medicine meeting in December 1987 it was decided that the Matching Program in Cardiology, Pulmonary Disease and Gastroenterology would continue but would not continue in the other subspecialties. Therefore the Cardiology Matching Program is expected to continue this year for candidates who will begin Fellowship in July 1990.

The membership voted to an increase in annual dues to \$50.

Doctor Leonard Gettes and Doctor Barry Zaret spoke for the role of the Association in being a forum for discussion of appropriate academic issues facing Sections of Cardiology and Departments of Medicine. A number of other members agreed that issues such as training, financial reimbursement, interactions with the department and integration with other disciplines such as molecular biology would make worthwhile points of discussion. A subcommittee consisting of Doctors Gettes, Grossman, Katz and Zaret will be charged with the responsibility of developing a recommendation to the Council concerning the Thursday morning program. It is anticipated that both an indepth symposium on issues and a lecture could be held on Thursday morning. Members are urged to communicate with any of the committee members giving them topics of interest for the session.

At this time, Doctor Doherty presented the President's gavel to Doctor Adolph, on behalf of the membership, with deep appreciation. Doctor Adolph accepted the gavel and turned the chair over to the new President, Doctor James Doherty, who presided over the second scientific session.

#### SECOND SCIENTIFIC SESSION

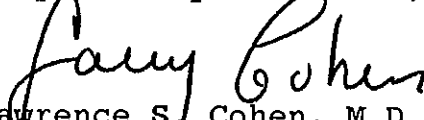
Friday, January 22, 1988

9:00 a.m. - 1:30 p.m.

Eight scientific presentations were extremely well received and thoroughly discussed by the membership. The 27th Annual Scientific Session of the Association of University Cardiologists Inc. was therefore concluded.

The next meeting of the Association will be at Quail Lodge, Carmel, California, January 18-20, 1989.

Respectfully submitted,

  
Lawrence S. Cohen, M.D.  
Secretary/Treasurer

LSC:jbc

# ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

Lawrence S. Cohen, M.D.  
Secretary-Treasurer

Mailing Address:  
Yale University School  
of Medicine  
333 Cedar Street, 3FMP  
New Haven, CT 06510  
(203-785-4128)

## MINUTES OF THE 28th ANNUAL MEETING Quail Lodge, Carmel, California January 18-20, 1989

A total of 77 members of the Association of University Cardiologists attended the 28th Annual Meeting. The meeting was preceded and followed by Council meetings also held at the Quail Lodge on Wednesday, January 18 and Friday, January 20, 1989.

### COUNCIL MEETING Wednesday, January 18, 1989 3:00 - 6:00 P.M. Glass House

#### Present:

President	- James E. Doherty, M.D.
Vice-President	- Rolf M. Gunnar, M.D.
Secretary-Treasurer	- Lawrence S. Cohen, M.D.
Councillors:	- Robert J. Adolph, M.D.
	Allyn Mark, M.D.
	James Shaver, M.D.

Doctor Herbert Levine was absent but provided Doctor Cohen with his evaluation of ranking of the candidates and nominations for active membership.

Doctor Doherty called the meeting to order. Two active members, Doctors Jim Doherty and Yang Wang, were transferred to emeritus status, having reached 65 years of age since the 1988 meeting. The Council acted positively on the request of Doctors John Ross and Jape Taylor who fulfilled the requirements for elective transfer to emeritus status specified by the Constitution. The Council also acted positively on the request of Doctor Edgar Haber to assume an inactive status, he having fulfilled the requirements as specified in the Constitution. Doctors Joe Greenfield and Jim Scheuer missed three consecutive meetings. After considerable discussion, it was voted to remove them from membership in the Association but to urge them to reapply for membership next year.

Therefore before consideration of the proposals of current candidates for membership the Association had 112 active members, 15 inactive members, 59 emeritus members and 1 honorary member.

The Council then reviewed 13 candidates for membership. Those selected were:

Charles Curry	-	Howard University
J. Ward Kennedy	-	University of Washington
Hermes Kontos	-	Medical College of Virginia
Michael Lesch	-	Northwestern
Melvin Marcus	-	University of Iowa
Michel Mirowski	-	Johns Hopkins University
William C. Roberts	-	NHLBI
Mark Thames	-	Medical College of Virginia
David Williams	-	Brown University

Assuming election of the recommended candidates at the conclusion of the 1989 meeting there would be 121 active members.

The Council reaffirmed that the site of the next meeting will be the New Orleans Hilton, New Orleans, Louisiana with arrival on January 17 and the Scientific Sessions on January 18-19, 1990. The Council also reaffirmed that the site of the 1991 meeting will be Carmel, California.

The Council affirmed that the membership should be encouraged vigorously to submit abstracts to the Annual Meeting.

The Council meeting was adjourned at 6:00 P.M.

A reception was held in the Clubhouse from 7:00-8:00 P.M. and was attended by approximately 60 members and guests.

**PRESIDENT'S PROGRAM**  
Thursday, January 19, 1989  
9:00 - 12 Noon

A symposium entitled "Issues Concerning Academic Divisions of Cardiology: What is the Role of the AUC?" was held. It was chaired by Doctor Leonard S. Gettes. The five speakers were Doctors James Dalen, Marvin Dunn, Barry Zaret, Edward Harris and Richard Root. Doctors Harris and Root represented departmental chairmen who are not members of the Association.

The Third George Burch Memorial Lecture was delivered by Doctor Dennis Krikler, Hammersmith Hospital, London, England. Doctor Krikler gave a most interesting talk on "The History of the British Cardiac Society." In this talk he chronicled the contributions of Sir James Mackenzie, Sir Thomas Lewis, W. H. Craib and Paul H. Wood. In the Question and Answer period that followed, Doctor Krikler talked about the National Health Service of Great Britain. He pointed out that in Great Britain 5.8% of the gross national product is devoted to health while in the United States 12% of the gross national product is allocated to health. The average wait for a cardiac catheterization in Great Britain is 3 months and the average wait for a coronary artery bypass procedure is one year. Miles Pharmaceuticals, who sponsored the Burch Lecture was given a vote of appreciation.

**FIRST SCIENTIFIC SESSION**  
Thursday, January 19, 1989  
1:00 - 5:30 P.M.

The President opened the First Scientific Session with the introduction of Doctor George Cooper, IV. Doctors Carl Apstein, Allan M. Ross, and Robert A. Vogel were not present to be introduced. Eight papers were presented on the first day. Doctor Leonard Gettes gave his paper on Thursday afternoon, switching with Doctor Frank Marcus. Excellent discussion followed each paper. The First Scientific Session was adjourned at 5:30 P.M.

**FORMAL RECEPTION AND DINNER**  
Monterey Aquarium  
Thursday, January 19, 1989, 7:00 P.M.

One hundred twenty-five members and guests enjoyed a delightful reception and excellent dinner at the Monterey Aquarium. Marion Laboratories, our hosts for the evening, was given a vote of thanks.

**BUSINESS MEETING**  
Friday, January 20, 1989  
8:15 - 9:00 A.M.

The 28th Annual Business Meeting was convened at 8:15 A.M. in the Valley Room by Doctor James E. Doherty, III.

Minutes of the 1988 meeting in New Orleans, Louisiana were approved as mailed to the membership.

Doctor Doherty called for Committee reports:

**Auditing Committee-** Doctors Jonathan A. Abrams and Robert O'Rourke report the Treasurer's Financial Statement is in order. The Financial Report was accepted by a vote of the Membership of the Association.

Members are urged to pay their 1989 dues promptly upon receipt of the enclosed bill. Also certain members who have not yet 1988 bills will be sent reminders.

**Nominating Committee -** The Nominating Committee consisting of Doctor Nancy Flowers as Chairperson, Doctors Arnold Weissler and Gordon Ewy nominated for:

President	-	Rolf Gunnar	
Vice-President	-	Frank Marcus	
Councillor	-	Herbert Levine	- (1 year)
		Allyn Mark	- (2 years)
		Marvin Dunn	- (3 years)
		James Doherty	- (1 year)

There were no nominations from the floor and the slate was elected by acclamation.

The site of the next meeting will be the Hilton Hotel, New Orleans, Louisiana on January 18 - 19, 1990.

The following 9 candidates were recommended by the Council for active membership in the Association and were subsequently



elected by secret ballot of the active members:

Charles Curry  
J. Ward Kennedy  
Hermes Kontos  
Michael Lesch  
Melvin Marcus  
Michel Mirowski  
William Roberts  
Mark Thames  
David Williams

A motion by Doctor Leonard Gettes was presented. The motion was "That the AUC form a committee - The Academic Cardiology Issues Committee - The ACIC, whose purpose would be

1. To propose mechanism(s) whereby the AUC will become a voice for academic Cardiology Divisions in relationships with Departmental Chairs, Deans and other organization(s) (ACC, AHA, APM, NIH, ABIM, etc.).
2. To further identify and define issues appropriate for discussion and recommendations by the AUC.

The proposed plan for the next year would include:

1. The Committee will meet at the ACC meeting, the AHA meeting and possibly an additional time.
2. The Committee will circulate questionnaires for surveys as needed to gather information.
3. The Committee will prepare a report to be distributed prior to the 1990 AUC meeting for discussion and motion at that meeting.

The Committee will be composed of Doctors Leonard Gettes, Marvin Dunn, Nancy Flowers, Robert Schlant, Arnold Katz, Barry Zaret and Doctor Rolf Gunnar as Chairman.

At this time Doctor Cohen presented the President's Gavel to Doctor James Doherty, on behalf of the membership, with deep appreciation. Doctor Doherty accepted the gavel and turned the chair over to the new President, Doctor Rolf Gunnar, who presided over the Second Scientific Session.

**SECOND SCIENTIFIC SESSION**

**Friday, January 20, 1989**

**9:00 A.M. - 1:00 P.M.**

Seven scientific presentations were extremely well received and thoroughly discussed by the membership. The 28th Annual Scientific Session of the Association of University Cardiologists, Inc. was therefore concluded.

The Council met after the Scientific Session. At that meeting it was voted to accept Doctor Eugene Braunwald's request to become emeritus.

The next meeting of the Association will be at the New Orleans Hilton, New Orleans, Louisiana, January 18 - 19, 1990.

Respectfully submitted,

  
Lawrence S. Cohen, M.D.  
Secretary/Treasurer

LSC:jbc

# ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

Lawrence S. Cohen, M.D.  
Secretary-Treasurer

Mailing Address:  
Yale University School  
of Medicine  
333 Cedar Street, 3FMP  
New Haven, CT 06510  
(203-785-4128)

## MINUTES OF THE 29th ANNUAL MEETING New Orleans Hilton, New Orleans, Louisiana January 17-19, 1990

A total of 74 members of the Association of University Cardiologists attended the 29th Annual Meeting. The meeting was preceded and followed by Council meetings also held at the New Orleans Hilton on Wednesday, January 17 and Friday, January 19, 1990.

### COUNCIL MEETING Wednesday, January 17, 1990 2:00 - 6:00 P.M. Prince of Wales Room

#### Present:

President	- Rolf M. Gunnar, M.D.
Vice-President	- Frank I. Marcus, M.D.
Secretary-Treasurer	- Lawrence S. Cohen, M.D.
Councillors:	- James E. Doherty, III, M.D.
	Marvin I. Dunn, M.D.
	Herbert J. Levine, M.D.
	Allyn L. Mark, M.D.

Doctor Gunnar called the meeting to order. Nine members were transferred to emeritus status, having reached 65 years of age since the 1989 meeting. These members were Doctors David Blankenhorn, Harold Dodge, John Laragh, Jim Leonard, Michel Mirowski, Joe Perloff, Elliott Rapaport, Timothy Regan, and Ralph Shabetai. The Council acted positively on the request of Doctors Burton Sobel and Andrew Wallace to assume inactive status. Doctor C. Richard Conti requested an excuse from attending this meeting as he is President of the American College of Cardiology and must attend an ACC Extramural meeting in order to open the meeting and close it.

Therefore before consideration of the proposals of current candidates for membership the Association had 108 active members, 16 inactive members, 68 emeritus members and 1 honorary member.

The Council then reviewed 14 candidates for membership. Those selected were:

R. Wayne Alexander  
Bernard R. Chaitman  
James H. Chesebro  
John D. Fisher  
William C. Little  
David McCall  
Alfred F. Parisi  
Rosemarie Robertson  
Gary L. Stiles  
August M. Watanabe

Assuming election of the recommended candidates at the conclusion of the 1990 meeting there would be 118 active members.

The Council reaffirmed that the site of the next meeting will be at Quail Lodge, Carmel, California with arrival on Wednesday, January 16, 1991 and the Scientific Sessions on January 17-18, 1991. The Council agreed to bring the question of 1992 location to the Association as a whole at the Business meeting.

The Council affirmed that the membership should be encouraged vigorously to submit abstracts to the Annual Meeting and that the membership should also be encouraged to propose appropriate new members to the Association.

The Council voted to recommend to the Association as a whole that the annual dues be increased to \$75 per year as this figure is necessary to cover the expenses attendant to the Annual Meeting.

A reception was held in the Rosedown Room from 7:00-8:00 P.M. and was attended by approximately 50 members and guests.

**PRESIDENT'S PROGRAM**  
Thursday, January 18, 1990  
9:00 - 12 Noon

A symposium entitled "Regression of Atherosclerosis" was held. The symposium was chaired by Doctor David H. Blankenhorn. The three other speakers were Doctors Mark L. Armstrong, Valentin C. Fuster, and Donald M. Small. The symposium was extremely well received by the Association members.

The Fourth George Burch Memorial Lecture was delivered by Doctor August Watanabe of Indiana University. His title was "Inhibitory Regulation of Cardiac Function: Vagus and Adenosine." Doctor Watanabe gave a learned and scholarly presentation which was the focus of lively discussion.

**FIRST SCIENTIFIC SESSION**  
Thursday, January 18, 1990  
1:00 - 5:30 P.M.

The President opened the First Scientific Session with the introduction of Doctors Carl Apstein, Charles Curry, Hermes Kontos, Michael Lesch and David Williams. Doctor Allyn Mark then delivered a moving memorial to Doctor Melvin Marcus who tragically died in 1989. Eight papers were presented on the first day. Excellent discussion followed each paper. The First Scientific Session was adjourned at 5:30 P.M.

**FORMAL RECEPTION AND DINNER**  
Antoinettes Restaurant  
Thursday, January 18, 1990  
7:00 P.M.

One hundred members and guests assembled for dinner at Antoinettes Restaurant.

**BUSINESS MEETING**  
Friday, January 19, 1990  
8:15 - 9:00 A.M.

The 29th Annual Business Meeting was convened at 8:15 A.M. in the Marlborough Room by Doctor Rolf Gunnar.

Minutes of the 1989 meeting in Carmel, California were approved as mailed to the membership.

Doctor Gunnar called for Committee reports:

**Auditing Committee** - Doctors Richard Leighton and Robert Schlant report the Treasurer's Financial Statement is in order. The Financial Report was accepted by a vote of the Membership of the Association.

Members are urged to pay their 1990 dues promptly upon receipt of the enclosed bill. Also certain members who have not yet paid 1989 bills will be sent reminders.

**Nominating Committee** - The Nominating Committee consisting of Doctor Leo Horan as Chairperson, Doctors Tom Ryan and Jim Shaver nominated for:

President	-	Frank Marcus	
Vice-President	-	Lawrence S. Cohen	
Councillors	-	Rolf Gunnar	(1 year)
		Marvin Dunn	(2 years)
		Richard Lewis	(3 years)
		Thomas Smith	(3 years)

There were no nominations from the floor and the slate was elected by acclamation.

The following 10 candidates were recommended by the Council for active membership in the Association and were subsequently elected by secret ballot of the active members:

R. Wayne Alexander  
Bernard R. Chaitman  
James H. Chesebro  
John D. Fisher  
William C. Little  
David McCall  
Alfred F. Parisi  
Rosemarie Robertson  
Gary L. Stiles  
August M. Watanabe

A discussion was held to decide the site of the 1992 meeting. The membership voted to hold the 1992 meeting at the Hilton Hotel in New Orleans. For 1993 the Council will look for an appropriate meeting place in Southern Florida. The membership voted to have three alternating sites for the meetings, one on the West Coast, New Orleans and one on the East Coast. The Secretary/Treasurer was also directed to mail a ballot to the membership as a whole to determine if the format of a Thursday and Friday meeting should remain or should be changed to a Friday and Saturday morning meeting instead.

done  
my  
LSE

The membership voted affirmatively to raise the dues to \$75 per year.

After discussion concerning the sponsorship of the annual dinner by a pharmaceutical company the membership directed the Council to discuss this matter in some depth and report back to the membership. The Council will discuss this issue at its next meeting at Quail Lodge.

Doctor Len Gettes, representing the Association of Professors of Cardiology gave a status report to the membership. The AUC once again reaffirmed its support of the APC. The major mission of the AUC is the presentation of scientific investigations. The mission of the APC is more political and the AUC would not be a good forum for these activities. The two organizations complement each other in their missions. The leadership of the AUC goes on record as fully supporting the APC and being available to help in any way possible.

At this time Doctor Cohen presented the President's Gavel to Doctor Rolf Gunnar, on behalf of the membership, with deep appreciation. Doctor Gunnar accepted the gavel and turned the chair over to the new President, Doctor Frank Marcus, who presided over the Second Scientific Session.

#### SECOND SCIENTIFIC SESSION

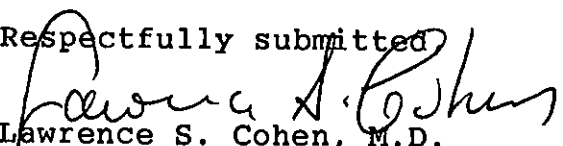
Friday, January 19, 1990

9:00 A.M. - 1:00 P.M.

Seven scientific presentation were extremely well received and thoroughly discussed by the membership. The 29th Annual Scientific Session of the Association of University Cardiologists, Inc. was therefore concluded.

The Council met after the Scientific Session. At that meeting it was voted to remove Doctor Bernard Schreiner from membership for lack of attendance at three consecutive meetings.

Respectfully submitted,

  
Lawrence S. Cohen, M.D.  
Secretary/Treasurer

1991 Meeting - Quail Lodge, Carmel, California, January 16-18.

1992 Meeting - New Orleans Hilton, New Orleans, Louisiana,  
January 15-17.

LSC:jbc

fill

## ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

Lawrence S. Cohen, M.D.  
Secretary-Treasurer

Mailing Address:  
Yale University School  
of Medicine  
333 Cedar Street, 3FMP  
New Haven, CT 06510  
(203-785-4128)

March 23, 1990

In the Minutes of the 29th Annual Meeting of the Association of University Cardiologists the nomination and election of Doctor Allyn L. Mark was not noted. This is clearly an oversight. Doctor Mark has accepted the position of Secretary-Treasurer and that office is now in his very capable hands. The formal transmission of all records and documents will be made within the next month. Future correspondence should be directed to Allyn L. Mark, M.D., Professor and Director, Cardiovascular Division, The University of Iowa, Iowa City, IA 52242.

At this time I want to thank the Association for the privilege of having been its Secretary-Treasurer these past three years.

Sincerely,

  
Lawrence S. Cohen, M.D.

LSC:jbc

minutes  
file



**AUC**

Allyn L. Mark, M.D.  
Secretary-Treasurer  
(319) 356-2750  
FAX (319) 356-7893

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**

Mailing Address:  
Cardiovascular Division, E315-B GH  
Department of Medicine  
University of Iowa College of Medicine  
Iowa City, IA 52242

**MINUTES**  
**30th Annual Meeting**  
**Association of University Cardiologists**  
**Quail Lodge**  
**Carmel Valley, California**  
**January 16-18, 1991**

*Shirley Mueller*  
*dr. Horan*  
*Tomis*

A total of 75 members of the Association of University Cardiologists attended the 30th Annual Meeting. The meeting was preceded and followed by Council Meetings also held at Quail Lodge on Wednesday, January 16 and Friday, January 18, 1991.

**COUNCIL MEETING**  
**Wednesday, January 16, 1991**  
**3:00 - 6:00 p.m.**  
**Glass Room**

**Present:**

President	-	Frank I. Marcus, M.D.
Vice-President	-	Lawrence S. Cohen, M.D.
Secretary-Treasurer	-	Allyn L. Mark, M.D.
Councillors:	-	Rolf M. Gunnar, M.D.
		Marvin I. Dunn, M.D.
		Thomas W. Smith, M.D.
		Richard P. Lewis, M.D.

Dr. Marcus called the meeting to order. Five members were transferred to emeritus status, having reached 65 years of age since the 1990 meeting. These members were Doctors Roger Hickler, Leo Horan, Thomas James, Hiroshi Kuida, and Park Willis III. The Council acted positively on the requests of Doctors John Phillips and J. David Bristow to assume emeritus status and for Dr. John Kastor to assume inactive status. Of the eight members whose status was changed to either emeritus or inactive, five had been active members and three had been inactive members.

Therefore, after the above action and before consideration of the proposals of current candidates for membership, the Association had 111 active members, 17 inactive members, 64 emeritus members, and 1 honorary member.

The Council then reviewed 15 candidates for membership. Those recommended for membership were:

Michael R. Bristow  
Paul J. Cannon  
John P. DiMarco  
Victor Dzau  
Stephen E. Epstein  
David P. Faxon  
David R. Hathaway  
Milton Packer  
James Scheuer  
Richard A. Walsh  
R. Sanders Williams

Assuming election of the recommended candidates at the 1991 Business Meeting, there would be 122 active members, only three short of the maximum 125 active members allowed by the Constitution.

The Council considered requests from Dr. Francois M. Abboud for an excuse for attendance at the 1991 meeting given his responsibilities as President of the American Heart Association which conflict with the 1991 meeting. The Council granted the request. Three other members (Doctors George Cooper, Arnold Katz and Allan Ross) sent letters requesting excuse from attendance at the 1991 meeting, but none of these three members' status as an active was in jeopardy since all three had attended the 1989 meeting and thus no action was required on their request. All three will be expected to attend the 1992 meeting. There were 13 members whose status as active members was in jeopardy if they did not attend the 1991 meeting since they had failed to attend the 1989 and 1990 meetings. As noted above, one of these members (Dr. Francois Abboud) was excused from attendance at the 1991 meeting. Eleven of the other members whose status was in potential jeopardy attended the 1991 meeting. There was one member whose status was in jeopardy who failed to attend the 1991 meeting. The Council recommended that the Secretary-Treasurer contact this member regarding future membership status since the member is eligible for emeritus status which does not require attendance at the meeting.

The Council noted that there are seven members who will become emeritus in January 1992 by virtue of reaching the age of 65 years. Five of these members are currently active members. In addition, there are 22 other members who could request transfer to emeritus status since they will have reached 60 years of age and have been members of the Association for 15 years.

The sites and dates of future meetings were discussed. Those recommended by the Council were as follows:

January 16-17, 1992

New Orleans Hilton  
New Orleans, Louisiana

January 14-15, 1993

Florida  
Tentative site Registry Resort, Naples Florida

January 13-14, 1994

Quail Lodge  
Carmel Valley, California

There was a discussion of a recommendation from Dr. Jay Mason for consideration of membership of pediatric cardiologists in the Association of University Cardiologists. The Constitution currently states that membership is limited to individuals who occupy a full-time university faculty position in adult cardiology in a medical school of the United States. Given the limits on the numbers of active members and given the fact that there are other organizations which provide opportunities for interactions between adult and pediatric cardiologists, the Council recommended that the Constitution not be changed to include membership of pediatric cardiologists in the Association.

The Council discussed the question of support by pharmaceutical companies for the annual meeting of the Association. Currently, Squibb and Miles support the Thursday morning program which consists of a symposium and the Burch Lecture, and Marion-Merrill-Dow supports the Thursday evening reception and dinner. The Council studied the report of the 21st Bethesda Conference of the American College of Cardiology in October 1989 entitled "Ethics in Cardiovascular Medicine". The report addresses programs such as the AUC that are physician-initiated programs. This statement indicates that "Many education programs are physician-initiated, but totally or partially supported by industry and frequently held at resorts or attractive locations as an inducement for physician attendance. Many such conferences could not be held if it were not for industry support and acknowledgement of that support is appropriate. It is particularly important that these programs are organized and conducted primarily as educational events. Program chairmen should be responsible for selection of topics and discussants. Attendees not participating as faculty should pay tuition and travel expenses." Although payment by pharmaceutical companies for meals is not addressed in this section under the category of industry sponsored programs, this report states that provision of meals as part of the meeting is acceptable practice. The major points discussed by the Council were as follows:

First, the major purpose of the AUC meeting is educational. Second, the program is selected entirely by the leadership. Third, the Thursday morning program as well as the dinner are important components of the two day meeting. Thursday morning sessions add to the educational quality of the meetings. The Thursday evening reception and dinner enhance the collegial nature of the meeting and the opportunity for exchange among the participants. Accordingly, the Council voted to recommend to the membership that 1) there is no impropriety in accepting support for the Thursday morning or the Thursday evening events. In this regard it was noted that Marion Laboratories has never exerted any influence on the AUC or asked for any special entree such as sales representation at the

meeting or attempted to influence the program. 2) The Bethesda Conference on Ethics in Cardiovascular Medicine supports the current practice of the AUC. 3) The Council, however, indicated that if the membership elected not to support continuation of the current practice, the Council would recommend as an alternative that the AUC receive undesignated grants for support of the meeting from multiple sources. The Association would then be responsible for making arrangements for the Thursday evening reception and dinner, as well as for the scientific program.

The financial report of the Secretary-Treasurer was presented and reviewed by the Council. President Marcus appointed an Auditing Committee consisting of Drs. Jay Mason and James Alexander to review the financial statement and report to the membership at the Business Meeting.

Dr. Frank Marcus appointed a Nominating Committee consisting of Drs. Robert Adolph, William Grossman, and Alan Fogelman. The Nominating Committee was charged with nomination of a Vice-President for 1991. This Vice-President would assume the Presidency in 1992. In the event that the Nominating Committee recommended for Vice-President one of the current members of the Council, then the Nominating Committee would also be charged with recommending a new member of the Council.

Dr. Allyn Mark, the Secretary-Treasurer, recommended to the Council that the reimbursement which is provided annually to the Secretary-Treasurer's secretary for secretarial services for the Association be increased from \$400 to \$600 based on the fact that the documented amount of time spent in secretarial services for the Association in the past year was 108 hours. The Council unanimously supported this recommendation.

The meeting of the Council was adjourned by Dr. Frank Marcus.

#### **RECEPTION**

Wednesday, January 16, 1991

7:00 - 9:00 p.m.

A reception was held in the main dining room of the Quail Lodge and Golf Resort and was attended by approximately 75 members and guests.

#### **PRESIDENT'S PROGRAM**

Thursday, January 17, 1991

9:00 a.m.- 12:00 noon

Dr. Daryl Granner, Professor and Chairman of the Department of Molecular Physiology and Biophysics at Vanderbilt, presented a 75 minute talk on molecular biology for cardiologists. Dr. Granner began by providing a primer and survey of molecular biology and concluded by reviewing briefly several examples of the application of molecular biology to cardiovascular medicine and research. Dr. Granner's review was extremely well received by the membership.

The Fifth George Burch Memorial Lecture was delivered by Dr. Paul M. Vanhoutte, Director of the Center for Experimental Therapeutics, Baylor College of Medicine, Houston, Texas. His title was Endothelium-Derived Vasoactive Factors in Cardiovascular Disease. Dr. Vanhoutte gave a masterful presentation of a topic of considerable interest in cardiovascular medicine.

President Marcus noted with sadness the deaths of four esteemed members of the Association in the past year: Dr. Lawrence Ellis, Dr. Michel Mirowski, Dr. James Warren and Dr. Francis Wood. Dr. Richard Lewis presented a beautiful memorial tribute to James Warren which included a selection of Dr. Warren's beautiful photographs from his many travels and friendships. Dr. Myron Weisfeldt presented a moving memorial tribute to Michel Mirowski.

### **FIRST SCIENTIFIC SESSION**

Thursday, January 17, 1991

1:00 - 5:30 p.m.

President Marcus opened the First Scientific Session with the introduction of members elected in 1990 who were attending their first meeting. These included Drs. Bernard Chaitman, John Fisher, William Little, David McCall, Alfred Parisi, Rose Marie Robertson, and Gary Stiles. Dr. Marc Thames who was elected in 1989 and was attending his first meeting was also introduced. Three members elected in 1990 were unable to attend the 1991 meeting. These included Drs. Wayne Alexander, Dr. James Chesebro, and August Watanabe. Eight papers were presented on the first day with extensive and excellent discussion following each paper. The First Scientific Session was adjourned at 5:30 p.m.

### **FORMAL RECEPTION AND DINNER**

Monterey Bay Aquarium

Thursday, January 17, 1991

7:00 p.m.

Approximately 125 members and guests assembled for a reception and dinner at the Monterey Bay Aquarium.

### **BUSINESS MEETING**

Friday, January 18, 1991

8:15 - 9:30 a.m.

The 30th Annual Business Meeting was convened at 8:15 a.m. in the Valley Room by President Frank Marcus.

Minutes of the 1990 meeting in New Orleans, Louisiana were approved as mailed to the membership. Dr. Marcus called for committee reports.

**Auditing Committee:** Drs. Jay Mason and James Alexander reported that the Treasurer's financial statement for 1990 is in order. The financial report was accepted by a vote of the membership of the Association.

Members are urged to pay their dues promptly upon receipt of the enclosed bill. Also, members who have not yet paid 1990 dues will be sent reminders.

**Nominating Committee:** The Nominating Committee consisting of Drs. Robert Adolph as Chairperson and Drs. William Grossman and Alan Fogelman nominated for:

President	-	Lawrence S. Cohen (1 year)
Vice-President	-	Thomas W. Smith (1 year)
Councillors	-	Jay Cohn (3 years)

There were no nominations from the floor and the slate was elected by acclamation. Other officers and councillors whose appointments are continuing include Secretary-Treasurer Allyn L. Mark (2 years), and Councillors Frank Marcus (1 year), Marvin Dunn (1 year), Richard Lewis (2 years).

The following eleven candidates were recommended by the Council for active membership in the Association and were subsequently elected with each candidate receiving support of at least 75% of the active members in a secret ballot:

Michael R. Bristow  
Paul J. Cannon  
John P. DiMarco  
Victor Dzau  
Stephen E. Epstein  
David P. Faxon  
David R. Hathaway  
Milton Packer  
James Scheuer  
Richard A. Walsh  
R. Sanders Williams

Dr. Marcus informed the members of the Association of the discussion and recommendation of the Council regarding consideration of membership of pediatric cardiologists in the AUC and the recommendation of the Council that the Constitution not be changed to include membership of pediatric cardiologists in the Association.

Dr. Allyn L. Mark, the Secretary-Treasurer reported on the projected sites and dates of future meetings. This report was accepted by the membership and is as follows:

January 16-17, 1992

New Orleans Hilton  
New Orleans, Louisiana

January 14-15, 1993

Florida  
Tentative site Registry Resort, Naples Florida

January 13-14, 1994

Quail Lodge  
Carmel Valley, California

Dr. Barry Zaret reported to the membership on the status of the Association of Professors of Cardiology. Dr. Zaret reported that the APC is flourishing. It has been incorporated and has developed by-laws and will continue to meet in conjunction with the annual meetings of the American College of Cardiology and the American Heart Association.

Dr. Marcus presented to the membership a recommendation of the Council that the number of letters of support solicited by proposers in relation to nominations for membership be limited to no more than 10 letters.

There was lengthy deliberation regarding support of the annual meeting of the Association from pharmaceutical companies. The recommendation of the Council (see report of the Council Meeting) was discussed. Several members of the Association expressed uneasiness with pharmaceutical company support of the reception and dinner even if this was consistent with the American College of Cardiology task force report. After lengthy discussion it was moved and seconded that the recommendation of the Council be approved. On a vote of 26 yes and 26 no this motion was not approved. After further discussion it was moved and seconded that the Association receive non-designated grants from the pharmaceutical companies for support of the meeting and that this support be used to defray the cost of the meeting including the educational sessions and the reception and dinner. This motion was approved by a majority of the members. After this vote there was continuing discussion with a recommendation to the Council to deliberate further on this matter and to provide additional recommendations to the membership for consideration of possible further changes in this policy for the 1993 meeting and beyond.

Dr. Marcus recommended that the Secretary-Treasurer distribute the history of the AUC to the new members. Dr. Criley will provide this history which he previously developed. If appropriate, Dr. Robert Schlant and Dr. Criley will update this report for distribution to the new members.

At this time Dr. Lawrence Cohen presented the President's gavel to Dr. Frank Marcus with deep appreciation to Dr. Marcus on behalf of the membership for his leadership of the Association during his presidency in the past year. Dr. Marcus accepted the gavel and turned the chair over to the new President, Dr. Lawrence Cohen, who presided over the Second Scientific Session.

**SECOND SCIENTIFIC SESSION**

**Friday, January 18, 1991**

**9:30 a.m. - 1:00 p.m.**

Six papers were presented and were extremely well received and thoroughly discussed by the membership. One of the projected presenters on the program was unable to attend because of illness.

The 30th Annual Scientific Session of the Association of University Cardiologists, Inc. was then concluded. The Council met briefly after the Scientific Session.

Respectfully submitted,

Allyn L. Mark, M.D.  
Secretary-Treasurer

ALM:njd



**AUC**

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**

Allyn L. Mark, M.D.  
Secretary-Treasurer  
(319) 356-2750  
FAX (319) 353-6343

Mailing Address:  
Cardiovascular Division, E315-B GH  
Department of Medicine  
University of Iowa College of Medicine  
Iowa City, IA 52242

**MINUTES**  
**31st Annual Meeting**  
**Association of University Cardiologists**  
**New Orleans Hilton Riverside and Towers**  
**New Orleans, Louisiana**  
**January 15-17, 1992**

A total of 74 members of the Association of University Cardiologists attended the 31st Annual Meeting. The meeting was preceded and followed by Council Meetings also held at the New Orleans Hilton on Wednesday, January 15 and Friday, January 17, 1992.

**COUNCIL MEETING**  
**Wednesday, January 15, 1992**  
**3:00 - 6:00 p.m.**

**Present:**

President	- Lawrence S. Cohen, M.D.
Vice-President	- Thomas W. Smith, M.D.
Secretary-Treasurer	- Allyn L. Mark, M.D.
Councillors:	- Frank I. Marcus, M.D.
	- Richard P. Lewis, M.D.
	- Marvin I. Dunn, M.D.

**Absent:**

**Councillor:** - Jay N. Cohn, M.D.

Dr. Cohen called the meeting to order. Seven members were transferred to Emeritus status, having reached 65 years of age since the 1991 meeting. These members were Drs. Leonard Cobb, Richard Gorlin, Rolf Gunnar, Robert Hall, Suzanne Knoebel, Robert Marshall, and Hiltrud Mueller. The Council acted positively on the requests of Drs. John F. Williams, Jr. and T. William Moir to assume Emeritus status having reached the age of 60 and having been a member for at least 15 years. The Council also acted favorably on the request of two members, Drs. Martin Frank and Robert O'Rourke, to change their status from Active to Inactive, having been a member for at least 10 years and attended at least five meetings.

After the above action and before consideration of the proposals of current candidates for membership, the Association had 113 Active members. 14 Inactive members. 80

Emeritus members and 1 Honorary member. Active membership in the Association is limited to 125 members.

The Council reviewed 12 candidates for membership. The Council recommended the following eight candidates for membership:

William Barry  
L. David Hillis  
Eduardo Marban  
Jere Mitchell (re-election)  
James Muller  
David Skorton  
Judith Swain  
Karl Weber

Assuming election of the recommended candidates at the 1992 Business Meeting (and with a membership termination noted below), there would be 120 Active members, only five short of the maximum 125 Active members allowed by the Constitution.

The Council then considered the status of 14 individuals whose membership status was in jeopardy if they did not attend the 1992 meeting since this would have been their third consecutive meeting which they failed to attend.

Nine of these members attended the 1992 meeting and, therefore, fulfilled the requirements for continuing Active membership. These were Drs. Abboud, Abrams, Carleton, Cooper, Hancock, Hood, Myerburg, Pepine, and Strauss. One member, Dr. Jim Spann was excused, but will be expected to attend the 1993 meeting. Two of the members whose status was in jeopardy requested transfer to Inactive status (Drs. Frank and O'Rourke). One other member (Dr. Richard Conti) whose membership status had been in jeopardy failed to attend the 1992 meeting. The Council recommended that the Secretary-Treasurer contact this member regarding his future membership status. If Dr. Conti's membership is terminated, Active membership would become 120.

There were six other members (Drs. Cannon, DiMarco, Hall, Healy, Josephson, and Roberts) who requested excused absences from the 1992 meeting, but none of these members' status as an Active member was in jeopardy since two were new members and four had attended either the 1990 or 1991 meeting. Thus, no action was required on their request.

The Council noted that there are seven members who will become Emeritus in January 1993 by virtue of reaching the age of 65 years. All seven of these members (Drs. Flowers, Lehan, Marcus, Ryan, Frank, Levine, and Resnekov) are currently Active members. The Council also noted that there are 25 other members who could request transfer to Emeritus status since they will have reached 60 years of age and have been members of the Association for 15 years by January 1, 1993.

The sites of future meetings were discussed. Those recommended by the Council were as follows:

January 14-15, 1993

The Registry Resort, Naples, Florida

It should be noted here that the dates for the 1993 meeting (January 14-15, 1993) were selected to avoid conflict with the Snowmass ACC meetings based on a list of dates sent to Dr. Cohen by the ACC to avoid overlapping dates. However, it has subsequently come to the attention of the Secretary-Treasurer that the ACC changed the dates of the 1993 meeting so that after having made our plans for 1993 to avoid overlap with the ACC meeting, we now find that once again our dates overlap with ACC for 1993. The Secretary-Treasurer has checked with The Registry Resort and there is currently no possibility that we can switch the dates for the 1993 meeting to the following week.

January 13-14, 1994

Quail Lodge  
Carmel Valley, California

January 12-13, 1995

Arizona Biltmore (tentative)  
Phoenix, Arizona

The Council discussed the issue of pharmaceutical company support of the AUC. President Cohen reviewed the deliberations of the Council and Business Meetings on these issues at the January 1991 meeting in Carmel, California. Dr. Dunn discussed the report of the FDA guidelines which would discourage direct pharmaceutical company support of social activities, but would permit educational grants from pharmaceutical companies with all expenses determined by and borne by the AUC. Dr. Cohen recommended and the Council supported the plan to continue the Association's policy of permitting educational grants from pharmaceutical companies with all expenses determined and paid by the AUC. It was emphasized in the discussion that no pharmaceutical company has had any influence on the scientific program of the meeting or has supported social activities of the AUC that were not related to the annual meeting.

The Council discussed a letter of 12/9/91 from Dr. Eric Topol inquiring about his eligibility for membership in the AUC. Dr. Topol has assumed the Directorship of Cardiology at the Cleveland Clinic which is affiliating with Ohio State University. The Secretary-Treasurer was instructed to respond to Dr. Topol that it was the Council's assessment that based on Article III, Section IA of the Constitution, he would meet the eligibility criteria for nomination once he obtains a full-time faculty position at Ohio State University.

The financial report of the Secretary-Treasurer was presented to and reviewed by the Council. President Cohen appointed an Auditing Committee consisting of Drs. Alfred Parisi and William Hood to review the financial statement and report to the Membership at the Business Meeting.

Dr. Cohen appointed the Nominating Committee consisting of Drs. Nancy Flowers, Jay Sullivan and Robert Frye. The Nominating Committee was charged with the nomination of a Vice President for 1992. This Vice President would assume the

Presidency in 1993. The Nominating Committee was also charged with nominating a new member of the Council for a three year term.

Dr. Allyn Mark, Secretary-Treasurer, recommended that the reimbursement to Nancy Davin who is the secretary to the Secretary-Treasurer be increased from \$600 to \$800 based on the large documented amount of time in secretarial services for the Association in the past year. The Council unanimously supported this recommendation.

The meeting of the Council was adjourned by Dr. Lawrence Cohen.

#### RECEPTION

Wednesday, January 15, 1992  
7:00 - 9:00 p.m.

A reception was held in the New Orleans Hilton and was attended by approximately 75 members and guests.

#### PRESIDENT'S PROGRAM

Thursday, January 16, 1992  
9:00 a.m.- 12:00 noon

Dr. Ethan R. Nadel, Professor of Epidemiology and Cellular and Molecular Physiology and Director of the Pierce Foundation Laboratory at Yale University presented a talk on "The Daedalus Project: Lessons Learned from Human Powered Flight Research" and Dr. Drew Gaffney, Associate Professor of Medicine in the Division of Cardiology at the University of Texas Southwestern Medical School presented a talk on "Space Lab Life Sciences 1: Lessons Learned from Rocket Powered Flight Research".

The Sixth George Burch Memorial Lecture was delivered by Dr. Judith L. Swain, Herbert C. Rorer Professor of Medicine and Sciences, Cardiology Section at the University of Pennsylvania School of Medicine. Her title was "The Role of Growth Factors in Cardiovascular Development". Dr. Swain delivered an illuminating presentation of a topic of increasing interest in cardiovascular medicine.

President Cohen noted with sadness the death of Paul Yu. Dr. William B. Hood, Jr., presented a moving memorial tribute to Dr. Yu.

### **FIRST SCIENTIFIC SESSION**

Thursday, January 16, 1992

1:00 - 5:30 p.m.

President Cohen opened the First Scientific Session with the introduction of members selected in 1991. These included:

Michael R. Bristow  
Paul J. Cannon (absent)  
John P. DiMarco (absent)  
Victor J. Dzau (absent)  
Stephen E. Epstein  
David P. Faxon  
David R. Hathaway  
Milton Packer  
James Scheuer  
Richard A. Walsh  
R. Sanders Williams

Two members elected in 1991 were unable to attend the 1992 meeting. These were Dr. Paul Cannon and Dr. John DiMarco. Dr. James Chesebro who was elected in 1990 and was attending his first meeting was also introduced.

Eight papers were presented on the first day with extensive and excellent discussion following each paper. The First Scientific Session was adjourned at 5:30 p.m.

### **FORMAL RECEPTION AND DINNER**

Antoine's

Thursday, January 16, 1992

7:00 p.m.

Approximately 110 members and guests assembled for a reception and dinner at the Antoine's.

### **BUSINESS MEETING**

Friday, January 17, 1992

8:15 - 9:30 a.m.

The 31st Annual Business Meeting was convened at 8:15 a.m. by President Larry Cohen.

Minutes of the 1991 meeting in Carmel, California, were approved as mailed to the membership. Dr. Cohen called for committee reports.

Auditing Committee: Dr. Alfred Parisi and Dr. William Hood reported that the Treasurer's financial statement for 1991 is in order. The financial report was accepted by a vote of the membership of the Association.

Members are urged to pay their dues promptly upon receipt of the enclosed bill. Also members who have not yet paid 1991 dues will be sent reminders.

Nominating Committee: The Nominating Committee consisting of Drs. Nancy Flowers, Chairman, and Dr. Jay Sullivan and Dr. Robert Frye nominated the following:

President	-	Thomas W. Smith (1 year)
Vice-President	-	Robert J. Myerburg (1 year)
Councillor	-	Valentin C. Fuster (3 years)

There were no nominations from the floor and the slate was elected by acclamation. Other officers and councillors whose appointments are continuing include Secretary-Treasurer Allyn L. Mark (1 year), and Councillors Lawrence S. Cohen (1 year), Richard Lewis (1 year), and Jay Cohn (2 years).

Plans for the 1993, 1994, and 1995 meetings: Dr. Allyn L. Mark, Secretary-Treasurer, reported on the projected sites and dates of the future meetings. This report was accepted by the membership and is as follows:

January 14-15, 1993	The Registry Resort Naples, Florida
January 13-14, 1994	Quail Lodge Carmel Valley, California
January 12-13, 1995	Arizona Biltmore (tentative) Phoenix, Arizona

Dr. William Hood provided an update on the activities of the Association of Professors of Cardiology (APC). There has recently been an exchange of correspondence between Dr. Robert O'Rourke, President of the APC in 1991, and Dr. Claude Bennett, President of the Association of Professors of Medicine, concerning the relationship of the two organizations. Accordingly, Dr. Barry Zaret, current president of the APC, is setting up a meeting of the leadership of the two organizations to discuss matters of mutual interest. Dr. Hood also announced that a task force, appointed to develop a statement on the structure and function of academic cardiology programs is being activated. Discussion on this topic is planned for the next meeting of the APC in the Spring. The annual financial survey has just been sent to the membership of the APC and it is hoped that the results will be available soon.

The following 8 candidates were recommended by the Council for Active membership in the Association and were subsequently elected with each candidate receiving the support of at least 95% of the Active members in a secret ballot:

William Barry  
L. David Hillis  
Eduardo Marban  
Jere Mitchell (re-election)  
James Muller  
David Skorton  
Judith Swain  
Karl Weber

Dr. Lawrence Cohen reviewed the discussions and recommendations of the Council regarding the support of the Annual Meeting of the Association from pharmaceutical companies. Dr. Cohen indicated that the Council planned to continue the policy of receiving educational grants from pharmaceutical companies for support of the meeting with all plans and costs of the meeting borne by the Association.

Dr. Cohen announced that Drs. Robert Schlant and J. Michael Criley were continuing to update the history of the Association and announced that this would be distributed to the membership when completed. Dr. Cohen also announced that Dr. Mario Garcia-Palmieri was developing a photo history of the Association to include photographs of the current members.

Dr. Allyn Mark, the Secretary-Treasurer, informed the membership that the Constitution as currently written was not gender neutral and referred to members in the male gender. Dr. Mark recommended that the membership approve a change in the Constitution so that it is gender neutral. This recommendation was approved by the members of the Association.

## SECOND SCIENTIFIC SESSION

Friday, January 17, 1992

9:30 a.m. - 1:00 p.m.

Seven papers were presented and were extremely well received and thoroughly discussed by the membership. One of the projected presenters on the program, Dr. Victor Dzau, was unable to attend because of an irreconcilable conflict, but fortunately Dr. R. Wayne Alexander who had been unable to attend and present his abstract last year, was able on short notice to present a paper which was extremely well received.

The 31st Annual Scientific Session of the Association of University Cardiologists, Inc. was then concluded. The Council met briefly after the Scientific Session.

Respectfully submitted,

Allyn L. Mark, M.D.  
Secretary-Treasurer

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS****AUC**

Allyn L. Mark, M.D.  
Secretary-Treasurer  
(319) 356-2750  
FAX (319) 353-6343

Mailing Address:  
Cardiovascular Division, E315-B GH  
Department of Medicine  
University of Iowa College of Medicine  
Iowa City, IA 52242

**MINUTES**  
**32nd Annual Meeting**  
**Association of University Cardiologists**  
**The Registry Resort**  
**Naples, Florida**  
**January 14-15, 1993**

A total of 71 members of the Association of University Cardiologists attended the 32nd Annual Meeting. The meeting was preceded by a Council Meeting also held at the The Registry Resort in Naples, Florida, on Wednesday, January 13, 1993.

**COUNCIL MEETING**  
**Wednesday, January 13, 1993**  
**3:00 - 6:00 p.m.**

Present: President	-	Thomas W. Smith, M.D.
Vice-President	-	Robert J. Myerburg, M.D.
Secretary-Treasurer	-	Allyn L. Mark, M.D.
Councillors:	-	Lawrence S. Cohen, M.D.
		Richard P. Lewis, M.D.
		Jay N. Cohn, M.D.
		Valentin C. Fuster, M.D.

Dr. Smith called the meeting to order. Five members were transferred to Emeritus status, having reached 65 years of age since the 1992 meeting. These members were Drs. Robert J. Adolph, Marvin I. Dunn, Mario R. Garcia-Palmleri, E. William Hancock, Arnold M. Weissler. The Council also acted positively on the requests of Drs. Dean T. Mason and Gottlieb C. Friesinger to assume Emeritus status having reached the age of 60 and having been members for at least 15 years. The Council also acted favorably on the requests of Richard R. Miller and Kenneth I. Shine for resignation from the Association. The Council approved the request of Francis J. Klocke to transfer from Active to Inactive status having been a member for at least 10 years and attended at least five meetings. There were two members who requested transfer from Active to Inactive status who were deemed ineligible for Inactive status since they have not been Active members for at least 10 years and have not attended at least five meetings. Since these members were not eligible for Inactive status and since their membership was in jeopardy having failed to attend three consecutive meetings, the Secretary-Treasurer was instructed to inform these individuals that their membership in the Association would be discontinued, but that they were eligible to be nominated for reinstatement should they be interested.



After the above action and before consideration of the proposals of current candidates for membership, the Association had 113 Active members, 12 Inactive members, 86 Emeritus members and 1 Honorary member. Active membership in the Association is limited to 125 members.

The Council reviewed 12 candidates for membership. The Council recommended the following eight candidates for membership:

Robert O. Bonow  
Andrew J. Buda  
C. Richard Conti (re-election)  
Charles K. Francis  
Donald D. Heistad  
Jeffrey M. Leiden  
Eric J. Topol  
Joshua Wynne

Assuming election of the recommended candidates at the 1993 Business Meeting, there would be 121 Active members, only four short of the maximum 125 Active members allowed by the Constitution.

The Council reviewed the request of Dr. Roman DeSanctis for excuse from attendance at the 1993 meeting and approved his request.

The Council considered the status of ten other individuals whose membership status was in jeopardy if they did not attend the 1993 meeting since this would have been their third consecutive meeting which they failed to attend. Parenthetically, all ten of these individuals attended the 1993 meeting and were therefore retained in Active membership. These were Drs. George A. Beller, Peter F. Cohn, Michael H. Crawford, Valentin C. Fuster, Leonard S. Gettes, Arnold M. Katz, Herbert J. Levine, Shahbuddin H. Rahimtoola, James F. Spann, and David O. Williams.

There were several other members who requested excused absences for the 1993 meeting, but none of these members' status as an Active member was in jeopardy and thus no action was required on their request. It remained the Council's position that requests for excuses from attendance would not be considered except for the third consecutive year of failure to attend the meetings.

In reviewing the membership projections for 1994, the Council noted that there will be eight members who will become Emeritus in January 1994 by virtue of reaching the age of 65 years. In addition, there will be 21 other members who could request transfer to Emeritus status since they will have reached 60 years of age and have been members of the Association for 15 years by January 1, 1994.

The Council discussed an inquiry from a member regarding the criteria for membership as stated in the Constitution, specifically as related to the criterion that the candidate "occupy a full-time university faculty position in adult cardiology, who has major clinical teaching and research responsibilities in a medical school of the United States,

and who has shown outstanding ability and promise in academic cardiology." The Council reaffirmed the criteria for eligibility for membership.

The sites of future meetings were discussed. Those recommended by the Council were as follows:

January 13-14, 1994

Quail Lodge  
Carmel Valley, California

January 12-13, 1995

Arizona Biltmore  
Phoenix, Arizona

The Secretary-Treasurer reported that he has checked on two occasions with the ACC to assure that the 1994 and 1995 dates do not conflict with the ACC Snowmass meeting.

The Council also instructed the Secretary-Treasurer to limit the number of letters of reference to a maximum of six.

The financial report of the Secretary-Treasurer was reviewed by the Council. President Smith appointed an Auditing Committee consisting of Drs. Michael Crawford and Alan Fogelman to review the financial statement and report to the membership at the Business Meeting.

Dr. Smith appointed the Nominating Committee consisting of Dr. Lawrence Cohen as Chairman and Drs. Richard P. Lewis and Dr. Peter F. Cohn. The Nominating Committee was charged with nomination of a Vice President for 1993 and a Secretary-Treasurer for a three year term beginning in 1993. The Nominating Committee was also charged with nominating a new member of the Council for a three year term to replace Dr. Lewis.

Dr. Allyn Mark, Secretary-Treasurer, recommended that reimbursement to Nancy Davin who is the secretary to the Secretary-Treasurer, be increased from \$800 to \$1,000 based on the substantial documented amount of time in secretarial services for the Association in the past year. The Council unanimously supported this recommendation.

The meeting of the Council was adjourned by Dr. Thomas Smith.

#### RECEPTION

Wednesday, January 13, 1993

7:00 - 9:00 p.m.

A reception was held at The Registry Resort and was attended by approximately 75 members and guests.

**PRESIDENT'S PROGRAM**

Thursday, January 14, 1993

9:00 a.m.- 10:00 a.m.

Dr. James N. Weiss, Professor of Medicine at the University of California, Los Angeles School of Medicine, Center for Health Science, Division of Cardiology, presented a talk on "Using Chaos Theory to Control Arrhythmias". Dr. Michael Gimbrone, Professor and Director, Vascular Research Division, Department of Pathology, Brigham and Women's Hospital, Boston, Massachusetts, presented a talk on "Vascular Endothelium in Health and Disease". The Seventh George Burch Memorial Lecture was delivered by Dr. Michael LaCombe from Oxford Hills Internal Medicine Group, Norway, Maine. Dr. LaCombe delivered a provocative and lyrical lecture on the relationship between general internal medicine and subspecialties including cardiology.

Dr. Thomas W. Smith presented the first AUC Presidential Lecture entitled "Cardiac Regulatory Pathways: Sarcomeres to Cytokines".

**FIRST SCIENTIFIC SESSION**

Thursday, January 15, 1993

1:00 - 5:30 p.m.

President Smith opened the First Scientific Session with the introduction of members selected in 1992. These included:

William Barry  
L. David Hillis  
Eduardo Marban (absent)  
Jere Mitchell (re-election)  
James Muller  
David Skorton (absent)  
Judith Swain (absent)  
Karl Weber

Three members elected in 1992 were unable to attend the 1993 meeting. These were Drs. Eduardo Marban, David Skorton, and Judith Swain. Drs. Paul J. Cannon, John P. DiMarco, and Victor J. Dzau who were elected in 1991 and were unable to attend the 1992 meeting were also introduced at the 1993 meeting.

Eight papers were presented on the first day with extensive and excellent discussion following each paper. The First Scientific Session was adjourned at 5:30 p.m.

**FORMAL RECEPTION AND DINNER**

Crystal Room, The Registry Resort

Thursday, January 14, 1993

7:00 p.m.

Approximately 125 members and guests assembled for a reception and dinner at The Registry Resort.

**BUSINESS MEETING**

Friday, January 15, 1993

8:15 - 9:30 a.m.

The 32nd Annual Business Meeting was convened at 8:15 a.m. by President Thomas Smith.

Minutes of the 1992 meeting in New Orleans, Louisiana, were approved as mailed to the membership.

Dr. Cohen called for committee reports.

**Auditing Committee:** Dr. Michael Crawford and Dr. Alan Fogelman reported that the Treasurer's financial statement for 1992 was in order. The financial report was accepted by a vote of the membership of the Association.

**Nominating Committee:** The Nominating Committee consisting of Drs. Lawrence S. Cohen, Chairman, and Dr. Richard P. Lewis and Peter R. Cohn nominated the following:

President	-	Robert J. Myerburg (1 year)
Vice-President	-	Allyn L. Mark (1 year)
Secretary-Treasurer	-	Richard L. Popp (3 years)
Councillor	-	Douglas P. Zipes (3 years)

There were no nominations from the floor and the slate was elected by acclamation. Other officers and councillors whose appointments are continuing include Councillors Jay Cohn (1 year), Valentin C. Fuster (2 years) and Thomas W. Smith (1 year).

Dr. Robert J. Myerburg provided an update on the activities of the Association of Professors of Cardiology (APC).

Plans for the 1994, 1995 and 1996 meetings were discussed by Dr. Allyn L. Mark, Secretary-Treasurer. These plans were accepted by the membership and are as follows:

January 13-14, 1994	Quail Lodge Carmel Valley, California
January 12-13, 1995	Arizona Biltmore Phoenix, Arizona
January 11-12, 1996	The Registry Resort (tentative dates) Naples, Florida

With regard to the 1996 meeting, the members in attendance enthusiastically supported the recommendation of the Council to return to The Registry Resort at Naples, Florida for the 1996 meeting.

The following eight candidates were recommended for Active membership in the Association and were subsequently elected with each candidate receiving the support of at least 95% of the Active members in a secret ballot:

Robert O. Bonow  
Andrew J. Buda  
C. Richard Conti (re-election)  
Charles K. Francis  
Donald D. Heistad  
Jeffrey Leiden  
Eric J. Topol  
Joshua Wynne

There was a brief discussion of encouraging consideration of candidates for Honorary membership.

Dr. Mark thanked Dr. Thomas Smith for his stewardship of the Association as President in 1992 and for the organization of an extraordinarily stimulating and enjoyable President's Program at the 1993 meeting. On behalf of the Association, Dr. Mark presented Dr. Smith with an engraved fountain pen in appreciation for his Presidency of the Association.

Dr. Smith in turn transferred the Presidency to the incoming President, Dr. Robert J. Myerburg.

## SECOND SCIENTIFIC SESSION

Friday, January 15, 1993

9:30 a.m. - 12:30 p.m.

Six papers were presented and were extremely well received and thoroughly discussed by the membership.

The 32nd Annual Scientific Session of the Association of University Cardiologists, Inc. was then concluded.

Respectfully submitted,

Allyn L. Mark, M.D.  
Secretary-Treasurer

ALM:njd

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS  
33rd Annual Meeting  
Quail Lodge Resort  
Carmel Valley, California  
January 13 - 14, 1994**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Quail Lodge Resort Wednesday, January 12, 1994.

**Council meeting. Wednesday, January 12, 1994, 3:00 - 6:00 pm**

Present: President - Robert J Myerburg, M.D., Vice President - Allyn L. Mark, M.D., Secretary/Treasurer - Richard L. Popp, M.D., Councilors - Jay M. Cohn, M.D., Valentin C. Fuster, M.D., Thomas W. Smith, M.D., and Douglas P. Zipes, M.D.

Dr. Myerburg called the meeting to order. Seven members were transferred to emeritus status, having reached 65 years of age since the 1993 meeting. These members were Drs. Nancy Flowers, Patrick Lehan, Herbert Levine, Frank Marcus, Jere Mitchell, Thomas J. Ryan, and Martin Frank. The Council also acted positively on the requests of Drs. J. O'Neal Humphries, Shahbudin Rahimtoola, and Edmund Sonnenblick to assume emeritus status having reached the age of 60 and having been members for at least 15 years. The Council acted favorably on the request of Drs. William Grossman and Michael Herman to transfer from active to inactive status having been members for at least ten years and attended at least five meetings. The Council reluctantly accepted the resignation of Dr. Roman DeSanctis from the Association. All active members whose membership was in jeopardy by virtue of missing the two previous meetings, were present at the 1994 meeting and so none of them will have their membership discontinued. As a result of these action, as of January 12, 1994, the Association included 105 active members, 14 inactive members, 96 emeritus members,

and one honorary member. Active membership in the Association is limited to 125 members.

The Council reviewed 11 candidates for membership. The Council recommended the following 11 candidates for membership: Blase A. Carabello, Richard B. Devereux, Bernard J. Gersh, David G. Harrison, John P. Lindemann, Joseph Loscalzo, Thomas Quertermous, Andrew P. Selwyn, Brahma Singh, Burton Sobel (re-election), and James N. Weiss.

Assuming election of the recommended candidates at the 1994 business meeting, there would be 116 active members, only 9 short of the maximum 125 active members allowed by the constitution. While some members requested excused absences for the 1994 meeting, none of these members status as an active member was in jeopardy and thus no action was required on their request. It remains the Council's position that requests for excuses from attendance would not be considered except for the third consecutive year of failure to attend the meetings.

The Secretary/Treasurer noted that a few members had failed to pay their dues for 1993. The Council decided to make personal contact with these members, so that they might fulfill their responsibility.

The Secretary/Treasurer reviewed the finances for the past few years and noted the support of the pharmaceutical and other industrial sponsors who had contributed funds to the AUC. There was extensive discussion of this support and the fact that the cost of the meeting continues to escalate. One pharmaceutical company has been extremely generous to the AUC and the Council acknowledged that generosity, but also voiced concern at the financial impact of any potential loss of this support. The Council affirmed the goal of having a minimum of one year's operating budget in reserve. The Council was quite comfortable with

the support given the association by these non-academic sponsors and Dr. Myerburg was charged with acknowledging the support of these individual companies at the business meeting. As a result of these discussions, the Council felt dues should increase. Dues have remained steady for approximately five years. The Council set the dues for 1994 at \$125.00 for active members.

Projections show an increase in emeritus members from this point onward with more emeritus members than active members very soon. The Council discussed several potential methods for having these emeritus members support their costs at the meeting. The cost of the reception, two breakfasts, three coffee breaks and dinner at the Registry in 1993 was \$181.87. Cost for comparable provisions at Quail Lodge were \$151.67. Since the industrial support of this association continues, the Council was reluctant to have the members bear the full cost of the meeting, and they did not wish to discourage the emeritus members from attending. Any scheme that would amount to a "registration fee" or a fee for the cost of the meeting was felt to discourage attendance. The active and inactive members pay dues, as noted above, but the emeritus members do not pay dues.

The Council decided to bring this matter up at the business meeting to get the advice of the emeritus members regarding the future financial stability of the organization, with these factors in mind.

In view of the expenses of the meeting, it was felt reasonable to change the reception given the night prior to the scientific sessions to include a cash bar in the future, with food provided by the association.

The Council discussed guidelines for the President's program in the future. It was suggested there be one designated Burch lecturer, regardless of the total number of people participating in the President's program. A \$5,000.00 limit was made policy for the total of the President's



program. This should include honorarium, travel, and expenses. The Council wishes to have a plaque given to the Burch lecturer each year.

The Council considered the site of future meetings. The 1995 meeting will be in Phoenix, Arizona at the Arizona Biltmore Hotel and Resort, January 12-13, 1995. The meeting in 1996 will be at a site in Florida. We have tentative plans to return to the Registry in Naples, Florida. However, because of the cost of the last meeting at the Registry, and accessibility of that city, we are looking into alternative sites in Florida. The dates of the meeting will be January 11-12, 1996, however. The Council voted to contract with the Quail Lodge and Resort for the 1997 meeting to be held January 9-10, 1997.

The financial report of the Secretary/Treasurer was reviewed by the Council. President Myerburg appointed an auditing committee consisting of Drs. Douglas Zipes and Wayne Alexander to review the financial statement and report to the membership at the end of the business meeting.

Dr. Myerburg appointed the nominating committee, consisting of Drs. Thomas W. Smith, Lawrence Cohen, and Peter F. Cohn. The nominating committee was charged with nomination of a vice-president for 1994 and a Council member for a three-year term beginning in 1994. This Council member will replace Dr. Jay Cohn, who has served three years as a Council member.

Dr. Allyn Mark, Vice-President recommended that reimbursement to Nancy Davin, who is his secretary and has extensively assisted the current Secretary/Treasurer be provided \$500.00. He also recommended reimbursement of \$1,000.00 to Janis Popp, as secretary to the Secretary/Treasurer, based on the substantial documented time provided on behalf of the Association in the past year. The Council unanimously supported these recommendations.

The death of Drs. David Blankenhorn and Leon Resnekov were noted with sadness.

Memorial tributes will be presented at the business meeting.

The Council considered proposal for initiation of a program of inviting young academic cardiologists to attend the AUC meeting. This was brought to the Council by Vice-President Allyn Mark. After extensive discussion, the Council decided against the proposal despite considerable positive features. Predominant in this discussion was the wish that the general atmosphere of the meeting not be altered.

The Council considered a request by one of its members for further clarification of the eligibility of foreign faculty who have affiliations with an American medical school with respect to membership in the Association. The Council felt it was not the sense of the founders or the current members to have academic cardiologists considered for membership who are primarily appointed in other countries but affiliated with American medical schools. The meeting of the Council was adjourned by Dr. Robert Myerburg.

**Reception - Wednesday, January 12, 1994, 7:00 - 9:00 pm**

The reception was held at the Quail Lodge Resort and was attended by approximately 100 members and guests.

**President's Program - Thursday, January 13, 1994, 8:45 am - 12:00 noon**

Dr. Myerburg announced that Professor Victor Fuchs, who had planned to give a discussion of "The Future of Health Policy" had recently been injured while traveling and was unable to present his talk. Dr. Kenneth I. Shine, President, Institute of Medicine, National Academy of Sciences presented a talk entitled, "Cardiovascular Research in an Era of Health Care Reform." Dr. Shine gave a comprehensive and fascinating overview of this topic with a great

deal of interest and discussion on the part of the members after the talk. Dr. Theodore Kurtz, Professor of Laboratory Medicine at the University of California, San Francisco gave a talk entitled "Genetic Approaches to Multi-factorial Cardiovascular Diseases." Dr. Kurtz' discussion was extremely lucid and engaging with respect to the method of approach of investigators currently assessing cardiovascular diseases with complex genetic origins. This was followed by an active discussion. Dr. Robert J. Myerburg, President of the AUC and Professor of Medicine and Physiology at the University of Miami, presented the President's lecture, entitled "Transient Risk factors in Sudden Cardiac Death: Epidemiology and Pathophysiology." The breadth of the Association again was demonstrated in the enthusiastic discussion that followed this presentation.

**First Scientific Session, Thursday, January 14, 1994, 1:00 - 5:30 pm**

President Myerburg opened the First Scientific Session with the introduction of new members elected in 1993. These include Drs. Robert Bonow, Andrew Buda, C. Richard Conti (re-elected), Charles Francis, Donald Heistead, Jeffrey Leiden, Eric Topol, and Joshua Wynne. Members elected in 1992 and first attending this year included: Drs. Eduardo Marban, David Skorton, and Judith Swain. Eight papers were presented on the first day with outstanding discussion and extensions of the papers. The First Scientific Session was adjourned at 5:30 pm.

**Formal Reception and Dinner at The Clubhouse, Quail Lodge and Resort,**

**Thursday, January 13, 1994, 7:00 pm**

Approximately 140 members and guests assembled for a reception and dinner at the Quail Lodge and Resort.

**Business Meeting, Friday, January 14, 1994, 8:45 - 9:30 am**

The minutes of the 1993 minutes in Naples, Florida were submitted as mailed to the membership and approved by those at the business meeting. Dr. Myerburg called for committee reports. Dr. Popp presented a financial report and noted the escalation in costs of the meeting as well as our dependence on industrial support over the last few years. Dr. Popp presented the auditing committee report on behalf of Dr. Zipes and Alexander. They certified that they had reviewed the income and expenses for the past year and found it in order. Dr. Myerburg recognized the commercial sponsors of the association during the past year.

Dr. Myerburg noted the plans for future meetings with the next meeting January 12-13, 1995 at the Arizona Biltmore Hotel in Phoenix, Arizona. The following meeting will be January 11-12, 1996, either at the Registry Resort in Naples, Florida or at another site in Florida. The meeting for 1997 will be January 9-10, 1997 at the Quail Lodge and Resort, Carmel Valley, California.

Dr. Myerburg presented a report on behalf of the Association of Professors of Cardiology.

The nominating committee recommended a slate including: Dr. Allyn Mark - President, Douglas Zipes - Vice-president; Martin LeWinter (two years to complete Dr. Zipes term), and Dr. William Barry (3 years) as Councilors. There were no nominations from the floor and this slate was elected by acclamation.

The slate of new members recommended by the Council was considered by the membership. All eleven candidates recommended by the Council were elected by closed ballot. The monitors were Drs. James Alexander and Robert Adolf. The new members are:

Blase A. Carabello	Richard B. Devereux
Bernard J. Gersh	David G. Harrison
Jon P. Lindemann	Joseph Loscalzo
Thomas Quertermous	Andrew P. Selwym
Brahma Singh	Burton Sobel (re-election)
James N. Weiss	

#### New Business:

Dr. Myerburg announced the increase in dues to \$125.00 from 1994. These dues will be for active and inactive members. Discussion of the probable need for dues from the emeritus members was raised. Since the by-laws stipulate emeritus members do not pay dues, the by-laws would need to be changed if the dues were adopted for emeritus members. Dr. Weissler suggested that if the emeritus members objected to paying dues they could form the AEUC (Association of Emeritus University Cardiologists), but he was afraid they would forget where they were meeting. Several emeritus member acknowledged that having just reviewed the costs of the meetings and the value of the amenities provided for the meeting, they felt emeritus member should contribute significantly. Some members suggested that those members in emeritus status who are still actively working could easily provide the standard dues. Others suggested that a "endowment" fund be established for emeritus members to contribute to during their later, but active years. In summing up, Dr. Myerburg suggested that we consider dues at some level for emeritus members in the future and that the Council have the ability to wave those dues if petitioned by individual members.

Dr. Myerburg noted the President's program will now have a specific financial guideline of no more than \$5,000.00 for all expenses involved with that program. In the future, there will be a single Burch lecturer.

Beautiful memorial tributes were presented for Dr. David Blankenhorn by Dr. Robert Adolf and for Dr. Leon Resnekov by Dr. Marvin Dunn. A moment of silence was taken to remember these respected colleagues.

The presidency was transferred to Dr. Allyn Mark. Drs. Myerburg and Popp were thanked for their dedication and work in 1993 as President and Secretary/Treasurer, respectively. Dr. Myerburg was given a gavel which had been appropriately inscribed.

The business meeting was adjourned by Dr. Mark.

**Second Scientific Session, Friday January 14, 1994, 9:30 am - 12:30 pm**

Five papers were presented and were extremely well received and thoroughly discussed by the membership. The 33rd Annual Scientific Session of the Association of University Cardiologists was then concluded.

Respectfully submitted,

Richard L. Popp, M.D.

Secretary/Treasurer

RLP / jsp

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**34th Annual Meeting**  
**Arizona Biltmore Resort**  
**Phoenix, Arizona**  
**January 12 - 13, 1995**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Arizona Biltmore Resort Wednesday, January 11, 1995.

**Council Meeting, Wednesday, January 11, 1995, 1:00 - 4:30 pm**

Present: President - Allyn L. Mark, M.D., Vice President - Douglas P. Zipes, M.D., Secretary/Treasurer - Richard L. Popp, M.D., Councilors - William H. Barry, M.D., Valentin C. Fuster, M.D., Martin LeWinter, M.D., and Robert J. Myerburg, M.D.

Dr. Mark called the meeting to order. The Council accepted the request of the family of Dr. Albert A. Kattus (Emeritus Member) for removal of Dr. Kattus' name from the roles. Two members were transferred to Emeritus status, having reached 65 years of age since the 1994 meeting. These members were Dr. Robert C. Schlant (Active) and Dr. Frank E. Kloster (Inactive). The Council also acted positively on the request of Drs. Richard F. Leighton (Active), Dr. Norman Krasnow (Inactive) and Dr. John A. Kastor (Inactive) to assume Emeritus status, having reached the age of 60 and attending at least ten meetings. The Council considered the request of Dr. David Hathaway to be transferred to Inactive membership, but Dr. Hathaway did not fulfill the qualifications necessary for that transfer. Dr. Hathaway had notified the Council that he understood he might be dropped from membership for non-attendance. The Council recommended he be removed from membership. As a result of these actions, as of January 11, 1995, the Association included 113 Active members, 10 Inactive members, 97 Emeritus members and one Honorary member. Active membership in the Association is limited to 125 members.

The Council reviewed 20 candidates for membership. A discussion was held regarding the advisability of completely filling the Active membership in light of the projected situation for 1996. At that time, only one Active member will reach the age of 65 and be obligated to Emeritus status. This would give us the opportunity of selecting only one new Active member in 1996 if all positions were filled this year. The Council decided to use approximately ten positions in 1995 for membership. The Council carefully reviewed the

membership applications of all candidates with the primary and secondary reviewer of each folder and discussion by the full Council. The Council recommended the following ten candidates for membership: Melvin Cheitlin, Linda Demer, Arthur Feldman, Sidney Goldstein, Seigio Izumo, Warren Jackman, James P. Morgan, Elizabeth Nabel, A. Jamil Tajik and Arthur E. Weyman. Assuming election of the recommended candidates at the 1995 business meeting, there would be 123 Active members. Three Active members who had originally indicated that they would attend the 1995 meeting sent letters, by fax, stating that they would not be able to attend. One of these members had his excuse for absence accepted. The other two members were given the courtesy of a telephone call at the end of the Council meeting in order to provide them the opportunity to still travel to the meeting for 1995. Should they choose not to take that opportunity, the Council would take further action on their status. It remains the Council's position that requests for excuses from attendance are not considered except for the third consecutive year of failure to attend the meetings.

The Secretary/Treasurer noted that a few members had failed to pay their dues for 1994. The Council decided to make personal contact with these members, so that they might fulfill their responsibility.

The Secretary/Treasurer noted that one Inactive member had failed to pay dues for 1993 and 1994. This member also had not responded to written and phone requests for dues. The Council decided to drop this member from the Association.

The President appointed the Nominations Committee, consisting of Dr. Lawrence S. Cohen, Chairman, Dr. Thomas Smith and Dr. R. Wayne Alexander to select the President, Vice-President, Secretary/Treasurer and Councilor (to replace Dr. Fuster). The President appointed an Auditing Committee consisting of Dr. Jay Cohn, Chairman, Dr. Richard Lewis and Dr. L. David Hillis.

The Secretary/Treasurer reviewed the finances for the past year and noted the support of the pharmaceutical and other industrial sponsors who had contributed educational grants to the AUC. Continuing the discussion of the prior year, the Council chose to make dues optional for Emeritus/a members in view of the Constitution, which states that Emeritus members "are not required to pay dues". Since the cost of the meeting is approximately \$160/member/year, the current dues of \$125 paid only by Active members does not cover



the increasing expenses of the Association,. These optional dues for Emeritus members will be discussed at the business meeting.

The Secretary/Treasurer discussed future meeting sites with the understanding that the 1996 Meeting will be at the Registry Resort, Naples, Florida and the 1997 Meeting will be at the Quail Lodge, Carmel, California. We have obtained an extremely favorable rate for 1998 at the Ritz-Carlton Hotel in Palm Beach, Florida. It has been suggested that we explore a return to the Arizona Biltmore Resort in 1999 and return to the Quail Lodge again in 2000. The Council agreed with this plan.

The Secretary/Treasurer reported that because the cash flow in the organization is now greater than \$25,000/per year, it is necessary that we file tax returns for the past few years and he has arranged to have that done. The Secretary/Treasurer raised the issue of the current lack of designation of potential conflict of interest by presenters at the meeting by the usual designation within the program. Extensive discussion was held regarding this point. It was decided to bring this to the business meeting. Dr. Allyn Mark, President recommended compensation to Janis Popp of \$1,000 for her extensive services in organizing the 1995 meeting, exploring meeting sites for the 1996 meeting, and organizing the program and mailings. The Council unanimously supported this recommendation.

The death of Drs. John Phillips and Raymond Pruitt were noted with sadness. Memorial tributes will be presented at the business meeting.

The meeting of the Council was adjourned by Dr. Allyn Mark.

**Reception - Wednesday, January 11 1995, 6:00 - 8:00 pm**

The reception was held at the Arizona Biltmore Resort and was attended by approximately 85 members and guests.

**President's Program - Thursday, January 12, 1995, 8:45 am - 12:00 noon**

Dr. Mark introduced Dr. Jordan J. Cohen, President, American Association of Medical Colleges. Dr. Cohen delivered the Ninth George Burch Memorial Lecture entitled, "Changing Constructs in American Medical Education". He reviewed the past and current constructs regarding education of young physicians. In addition to his excellent overview, Dr. Cohen led a comprehensive and wide-ranging discussion with members of the

Some members suggested alternative plans to the overall rotation of the meeting, but the majority of the membership voiced their wishes, by virtue of a "straw" vote, to alternate East and West Coast sites, with a return to the Arizona Biltmore in 1999 if possible.

Dr. Mark called for committee reports. Dr. Jay Cohn reported that the Auditing Committee had reviewed the income and expense of the organization and found the figures in order. Dr. Larry Cohen provided the slate of officers for 1996: President - Douglas P. Zipes, Vice-President - Richard L. Popp, Secretary/Treasurer - George A. Beller, Councilor - R. Sanders Williams. (William H. Barry, Martin M. LeWinter and Allyn L. Mark complete the Council.) The motion to approve the slate was accepted by unanimous vote of the Active membership.

The slate of new members recommended by the Council was considered by the membership. A discussion of the reasons to recommend ten candidates was held. All ten candidates recommended by the Council were elected unanimously by closed ballot. Only the Active members were voting. The monitors were Drs. Douglas Zipes and Richard Popp. The new members are:

Melvin Cheitlin

Arthur Feldman

Seigio Izumo

James P. Morgan

A. Jamil Tajik

Linda Demer

Sidney Goldstein

Warren Jackman

Elizabeth Nabel

Arthur E. Weyman

Dr. Richard Leighton and Dr. Robert Frye suggested that other Active members, who are over 60, consider their action and volunteer to become Emeritus in order that we have greater capacity to accept new members in subsequent years. Article III. Section I.B. of the Constitution states: "After fifteen (15) years of Active membership and on reaching the age of sixty (60), a member may request transfer to Emeritus status."

Dr. Richard Popp showed a list of the organizations that provided educational grants to the Association this year. He thanked Dr. Mark and especially Dr. Zipes for their work on behalf of the Association in this regard. Copies of the program for the current meeting will be sent to these organizations with a message of thanks.

The proposal was made that Emeritus and Emerita members be sent a statement for dues, with a clear designation that this is an option for them, rather than an obligation. Discussion of this was held. It was considered that other options might be: (1) payment by only those Emeritus/a attending the meeting, (2) payment of a fee for dinner by those Emeritus/a attending, and (3) that only those still active in their professional duties continue to pay dues. The original motion that the Emeritus and Emerita members be given the option of paying dues was approved. A discussion of the potential need to designate conflict of interest on behalf of the presenters at the Association meeting was held. After extensive discussion, a motion was made not to make such designation for the Association. The motion was approved with 69 voting "for" and two "against".

Dr. Robert Myerburg presented a report regarding the activities of the Association of Professors of Cardiology. The Presidency was transferred to Dr. Douglas Zipes. Dr. Mark and Popp were thanked for their dedication and work in 1994, as President and Secretary/Treasurer, respectively. Dr. Mark was given a desk clock, which had been appropriately inscribed. The business meeting was adjourned by Dr. Zipes.

**Second Scientific Session, Friday, January 13, 1995, 9:30 am - 12:30 pm**

Five papers were presented, extremely well received and thoroughly discussed by the membership. The 34th Annual Scientific Session of the Association of University Cardiologists was then concluded.

Respectfully submitted,

Richard L. Popp, M.D.  
Secretary/Treasurer

RLP:mjs

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**35th Annual Meeting**  
**The Registry Resort**  
**Naples, Florida**  
**January 11-12, 1996**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at The Registry Resort Wednesday, January 10, 1996.

**Council Meeting, Wednesday, January 10, 1996, 2:00 - 5:00 p.m.**

Present: President - Douglas P. Zipes, M.D., Vice President - Richard L. Popp, M.D., Secretary/Treasurer - George A. Beller, M.D., Councilors - William H. Barry, M.D., Martin LeWinter, M.D., and Allyn Mark, M.D. Absent: Sanders Williams, M.D.

Dr. Zipes called the meeting to order. The deaths of Martin J. Frank, M.D. (Emeritus Member), and Lewis Dexter, M.D. (Emeritus Member) were recognized. Three members were transferred to Emeritus status, having reached 65 years of age since the 1995 meeting. These members were Dr. Melvin D. Cheitlin (Active), Dr. Jay N. Cohn (Active), and Dr. Sidney Goldstein (Active). The Council also acted positively on the request of Dr. Robert L. Frye (Active) to assume Emeritus status, having reached the age of 60 and attending at least 10 AUC meetings. It was noted that 17 active members and 13 inactive members were between 60 and 65 years old, with 15 years of active membership who were eligible to apply for Emeritus status in 1996. As of January 10, 1996, the Association included a 117 Active members, nine Inactive members, 100 Emeritus members, and one Honorary member.

The Council reviewed 18 candidates for membership. The primary and secondary reviewers discussed in detail the membership applications of all candidates, and each was discussed at length by the Council. The Council recommended the following 6 candidates for membership: Jeffrey L. Anderson, Ward S. Casscells III, Bruce B. Lerman, Douglas L. Mann, Marschall S. Runge, and Sidney C. Smith, Jr. Assuming election of the recommended candidates at the 1996 business meeting, there would be 119 Active members. Two Active members who had originally indicated that they would attend the 1996 meeting informed the Secretary/Treasurer that they would not be able to attend. One of these members had his excuse for absence accepted, and the other member did not. Four members who were scheduled to attend canceled at the last minute because of a severe snow storm in the Northeast. Three of these members were scheduled to present their abstracts in the Scientific Session. One of these members was in jeopardy (had missed two consecutive meetings) and was given an excused absence.

The Council discussed a proposal to change the title of Emeritus Membership to Senior Membership. The basis for this proposal was the perceived reluctance of members between ages 60 and 65 to volunteer to be transferred to Emeritus status because of the connotation of being "emeritus." The proposal was rejected, and the designation, "Emeritus," was retained.

The President appointed the Nominations Committee, consisting of Dr. Allyn Mark, Chairman, Dr. Leonard Gettes and Dr. Gary Stiles, to select the President, Vice-President, and one Councilor. The President appointed an Auditing Committee, consisting of Dr. Ralph Lazzarra, Chairman, Dr. Morton Arnsdorf and Dr. Bertram Pitt.

The Secretary/Treasurer reviewed the finances for the past year and noted the continuing support of the pharmaceutical and other industrial sponsors who had contributed educational grants to the AUC. As was undertaken last year, the Council decided to continue to make dues optional for the Emeritus members.

The Secretary/Treasurer discussed future meeting sites with the understanding that the 1997 meeting will be at the Quail Lodge Resort, Carmel, California, and the 1998 meeting at the Ritz-Carleton Hotel, Palm Beach, Florida. The Council approved the Ritz-Carleton, Phoenix, Arizona, for the 1999 meeting and a return to Quail Lodge Resort, Carmel, California, for the January 2000 meeting.

The Council supported the recommendation of Dr. Douglas Zipes, President, to increase compensation to the AUC administrator, Theresa Smith, to \$2,000 per annum. It was pointed out that the scope of administrative responsibilities had increased, particularly in light of the new fund-raising efforts for support of the AUC meeting.

The meeting of the Council was adjourned by Dr. Douglas Zipes.

**Reception - Wednesday, January 10, 1996, 6:00 - 8:00 p.m.**

The reception was held at The Registry Resort and was attended by approximately 85 members and guests.

**President's Program - Thursday, January 11, 1996, 8:45 a.m. - 12:00 noon**

Dr. Zipes introduced Dr. Mark Keating, Associate Investigator, Assistant Professor of Medicine and Human Genetics, Howard Hughes Medical Center, University of Utah, who delivered The Tenth George Burch Memorial Lecture entitled, "Genetics of the Long QT Syndrome: Clinical Implications." Dr. August Watanabe, President, Eli Lilly Co., presented the Featured Lecture entitled, "Research in Industry: Preparing for the 21st Century." He traced the history of drug development through the 1990s and presented an interesting new paradigm which has sped up

the process of drug development in the laboratory. He emphasized the importance of partnerships between companies of the size of Eli Lilly and smaller biotech companies and academic investigator groups. Dr. Douglas Zipes, President of the Association, presented the President's Lecture entitled, "Clinical Cures Offered by the Electrophysiologist." Dr. Zipes gave a superb review of the role of ablation therapy in the management of cardiac rhythm disturbances.

**First Scientific Session, Thursday, January 11, 1996, 1:00 - 5:30 p.m.**

President Zipes opened the First Scientific Session with the introduction of new members elected in 1995, who were in attendance. These included Drs. Melvin D. Cheitlin, Linda L. Demer, Arthur M. Feldman, Sidney Goldstein, Seigo Izumo, Warren M. Jackman, James P. Morgan, Elizabeth G. Nabel, Abdul Jamil Tajik, and Arthur E. Weyman. Seven outstanding papers were presented on the first day with extensive discussion of the papers. The First Scientific Session was adjourned at 5:30 p.m.

**Formal Reception and Dinner at The Registry Resort,**

**Thursday, January 11, 1996, 7:00 p.m.**

Approximately 115 members and guests assembled for a reception and dinner at The Registry Resort.

**Business Meeting, Friday, January 12, 1996, 8:15 a.m. - 9:00 a.m.**

A memorial tribute was presented by Dr. Leo Horan on behalf of Dr. Martin Frank. Memorial tributes were presented by Dr. Jim Dalen and Dr. William Grossman on behalf of Dr. Lewis Dexter. The minutes of the 1995 meeting in Phoenix, Arizona, were submitted as mail to the membership and approved by those at the business meeting. Dr. George Beller, Secretary/Treasurer, noted the sites and dates of future meetings and asked the members to mark these on their calendars.

January 9-10, 1997	Quail Lodge Resort	Carmel, California
January 8-9, 1998	Ritz-Carleton	Palm Beach, Florida
January 14-15, 1999	Ritz-Carleton	Phoenix, Arizona
January 13-14, 2000	Quail Lodge Resort	Carmel, California

There was discussion of the meeting site for 2000. Both Carmel, California, and Newport Beach, California, were considered. A straw vote of the membership favored Carmel, California.

Dr. George Beller, Secretary/Treasurer, called for committee reports. Dr. Ralph Lazzarra reported that the Auditing Committee had reviewed the income and expense of the organization and found the figures in order. Dr. Allyn Mark provided the slate of officers for 1997: President - Richard L. Popp, Vice-President - William H. Barry, Councilor - Judith Swain. (Martin LeWinter and Sanders Williams complete the Council). The motion to approve the slate was accepted by unanimous vote of the active membership.

The slate of new members recommended by the Council was considered by all the membership. All six candidates were recommended by the Council by closed ballot. The monitors were Drs. Leo Horan and Nancy Flowers. The new members are:

Jeffrey L. Anderson  
Ward S. Casscells III  
Bruce B. Lerman

Douglas L. Mann  
Marschall S. Runge  
Sidney C. Smith, Jr.

Several members of the Association suggested that Active members who are over 60 consider volunteering to become Emeritus in order that more slots can be opened to accept new members in subsequent years. Article III. Section I.B. of the Constitution states: "After fifteen (15) years of Active membership and on reaching the age of sixty (60), a member may request transfer to Emeritus status." Dr. George Beller, Secretary/Treasurer, reviewed the financial statement for 1995 as of Dec. 31, 1995. He showed that income from dues in the past year was \$20,175.00. Income from educational grants amounted to \$33,500.00, which included some donations for both the 1994 and 1995 meetings, that were deposited during the 1995 calendar year. After deduction of expenses, the balance as of Dec. 31, 1996, was \$68,557.73. Still to be deducted from this balance were the expenses incurred at the 1996 annual meeting at The Registry Resort.

Dr. George Beller, Secretary/Treasurer, presented a short summary of the activities of the Association of the Professors of Cardiology. The Presidency was transferred to Dr. Richard Popp. Dr. Zipes was thanked for his dedication and work in 1995 as President, and was given an inscribed gavel as recognition for his leadership role. The business meeting was adjourned by Dr. Popp.

**Second Scientific Session, Friday, January 12, 1996, 9:00 a.m. - 12:00 noon**

Five papers and one multimedia presentation were given and extremely well received and thoroughly discussed by the membership. Drs. Thomas W. Smith and Bernard J. Gersh were unable to present their papers since they were unable to leave their cities or origin because of a snowstorm. They will be invited to present papers at the January 1997 meeting. The 35th Annual Scientific Session of the Association of University Cardiologists was then concluded.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "George A. Beller".

George A. Beller, M.D.  
Secretary/Treasurer

GAB:jec



# **ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**

**36th Annual Meeting  
The Quail Lodge Resort and Golf Club  
Carmel, California  
January 9-10, 1997**

## **Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Quail Lodge Resort and Golf Club, Wednesday, January 8, 1997.

### **Council Meeting, Wednesday, January 8, 1997, 2:00-5:00 PM**

Present: President - Richard L. Popp, M.D., Vice President - William H. Barry, M.D., Secretary/Treasurer - George A. Beller, M.D., Councilors - Past President Douglas P. Zipes, M.D., Martin LeWinter, M.D., Judith L. Swain, M.D. Absent: R. Sanders Williams, M.D.

Dr. Popp called the meeting to order. The death of John S. Graettinger, M.D. (Emeritus member) was recognized. Five members were transferred to Emeritus status, having reached 65 years of age since the 1996 meeting. These members were: Dr. Francois M. Abboud, Dr. Richard A. Carleton, Dr. J. Michael Criley, Dr. James Scheuer, and Dr. Joseph V. Messer (all Active members). The Council also acted positively on the requests of Dr. Donald C. Harrison, Dr. Allyn L. Mark, Dr. William W. Parmley, Dr. Charles E. Rackley, Dr. William C. Roberts, and Dr. James A. Shaver (all Active members) to assume Emeritus status, having reached the age of 60 and having attended at least 10 AUC meetings. The Council recognized the resignation of Dr. Eric Topol and approved Victor J. Dzau's request for Inactive membership status. It was noted that 10 active members and 5 inactive members were between 60 and 65 years old, with 15 years of active membership who were eligible to apply for Emeritus status in 1997. As of January 8, 1997, the Association included 109 Active members, 10 Inactive members, 110 Emeritus members, and 1 Honorary member.

The Council reviewed ten candidates for membership. The primary and secondary reviewers discussed in detail the membership applications of all candidates, and each was discussed at length by the Council. The Council recommended the following six candidates for membership: Michael E. Cain, Wilson S. Colucci, Michael D. Ezekowitz, Ami E. Iskandrian, Sanjiv Kaul, and Gerald V. Naccarelli. Assuming election of the recommended candidates at the 1997 business meeting, there would be 115 Active members. One Active member who was in jeopardy had his excuse for absence accepted.

**First Scientific Session, Thursday, January 9, 1997, 1:00-5:30 PM**

President Popp opened the First Scientific Session with the introduction of new members elected in 1996 who were in attendance. These included: Jeffrey Lance Anderson, Douglas L. Mann, Samuel Ward Casscells, III, Marschall Stevens Runge, Bruce B. Lerman, and Sidney C. Smith, Jr. Eight outstanding papers were presented on the first day with extensive discussion of the papers. The First Scientific Session was adjourned at 5:30 PM.

**Formal Reception and Dinner at the Quail Lodge Resort**  
**Thursday, January 9, 1997, 7:00 PM**

Approximately 125 members and guests assembled for a reception and dinner at the Quail Lodge Resort Dining Club.

**Business Meeting, Friday, January 10, 1997, 8:15-9:00 AM**

A memorial tribute, which was prepared by Dr. Richard Carleton who was unable to attend the meeting, was delivered by Dr. George A. Beller on behalf of Dr. John S. Graettinger. The minutes of the 1996 meeting in Naples, Florida, were submitted as mailed to the membership and approved by those at the business meeting. Dr. George Beller, Secretary/Treasurer, noted the sites and dates of future meetings and asked the members to mark these on their calendars:

January 8-9, 1998	Ritz-Carlton	Palm Beach, Florida
January 14-15, 1999	Ritz-Carlton	Phoenix, Arizona
January 13-14, 2000	Carmel Valley Ranch	Carmel, California

There was discussion of the meeting site for 2001. The Secretary/Treasurer has contacted the Ritz-Carlton headquarters, and will discuss a two to three year contract for discounted room rates for future meetings.

Dr. George Beller, Secretary/Treasurer, called for committee reports. Dr. Andrew Buda reported that the Auditing Committee had reviewed the income and expenses of the organization and had found the figures to be in order. Dr. Robert Schlant provided the slate of officers for 1998: President - William H. Barry, Vice President - R. Wayne Alexander, Councilor - Joel S. Karliner (Richard L. Popp, Sanders Williams, and Judith Swain complete the Council). The motion to approve the slate was accepted by unanimous vote of the active membership.

The slate of new members recommended by the Council was considered by all the membership. All six candidates were recommended by the Council by closed ballot. The new members are:

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**37th Annual Meeting**  
**The Ritz-Carlton Palm Beach**  
**Palm Beach, Florida**  
**January 8-9, 1998**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Ritz-Carlton Palm Beach on Wednesday, January 7, 1998.

**Council Meeting, Wednesday, January 7, 1998, 2:00-5:00 PM**

Present: President – William H. Barry, M.D., Vice President – R. Wayne Alexander, M.D., Secretary/Treasurer - George A. Beller, M.D., Councilors - Past President Richard L. Popp, M.D., Joel S. Karliner, M.D., R. Sanders Williams, M.D. Absent: Judith L. Swain, M.D.

Dr. Barry called the meeting to order. The deaths of John David Bristow (Emeritus), Richard Gorlin (Emeritus), Edgar Haber (Inactive), Herbert N. Hultgren (Emeritus), Thomas W. Smith (Active) were recognized. Six members were transferred to Emeritus status, having reached 65 years of age since the 1997 meeting. These members were: Dr. James E. Dalen (Inactive), Dr. William B. Hood (Active), Dr. Arnold M. Katz (Active), Dr. Bertram Pitt (Active), Dr. Charles A. Sanders (Inactive) and Dr. Pravin M. Shah (Active). The Council also acted positively on the requests of Dr. Michael V. Herman (Inactive), Dr. Francis J. Klocke (Inactive), and Dr. Richard P. Lewis (Active) to assume Emeritus status, having reached the age of 60 and having attended at least 10 AUC meetings. The Council recognized the resignation of Dr. Andrew G. Wallace and Dr. K. Lance Gould. It was noted that 6 active members were between 60 and 65 years old, with 15 years of active membership who were eligible to apply for Emeritus status in 1998. As of January 9, 1998, the Association included 107 Active members, 6 Inactive members, 115 Emeritus members, and 1 Honorary member.

The Council reviewed nine candidates for membership. The primary and secondary reviewers discussed in detail the membership applications of all candidates, and each was discussed at length by the Council. The Council recommended the following seven candidates for membership: Shaun R. Coughlin, Kim Allen Eagle, Beverly H. Lorell, Jawahar L. Mehta, James L. Ritchie, George Wayne Vetrovec, and J. Anthony Ware. Assuming election of the recommended candidates at the 1998 business meeting, there would be 114 Active members. One Active member who was in jeopardy had his excuse for absence accepted.

The Council did not accept one request for an excused absence by an active member. The member was notified that his membership would expire, but that he could ask to be renominated in 1999.

The President appointed the Nominations Committee, consisting of Dr. R. Sanders Williams, Chairman, Dr. Joseph S. Alpert and Dr. Thomas J. Ryan, to select the President, Vice President, and one Councilor. The President appointed an Auditing Committee, consisting of Dr. Joseph Loscalzo, Chairman, and Dr. David G. Harrison.

The Secretary/Treasurer reviewed the finances for the past year and noted the continuing support of the pharmaceutical and other industrial sponsors who had contributed educational grants to the AUC. As has been undertaken the past two years, the Council decided to continue to make dues optional for Emeritus members.

The Secretary/Treasurer discussed future meeting sites with the understanding that the 1999 meeting will be at the Ritz-Carlton Hotel, Phoenix, Arizona on January 14-15, 1999, and the 2000 meeting at the Carmel Valley Ranch Resort on January 13-14, 2000. The meeting for 2001 will be held in Florida at the Resort at Longboat Key Club. The 2002 meeting will be held at the Ritz-Carlton Hotel, Phoenix, Arizona on January 10-11, 2002.

The meeting of the Council was adjourned by Dr. William Barry.

#### **Reception - Wednesday, January 7, 1998, 6:30 - 8:00 PM**

The reception was held in the Plaza Ballroom and was attended by approximately 80 members and guests.

#### **President's Program - Thursday, January 8, 1998 8:45 AM - noon**

Dr. Barry introduced W. Jonathan Lederer, M.D., Ph.D., Professor and Chair of the Department of Molecular Biology and Biophysics in the Medical Biotechnology Center at the University of Maryland Biotechnology Institute in Baltimore, Maryland. Dr. Lederer lectured on "Calcium Sparks in Heart Muscle." The Twelfth George Burch Memorial Lecture entitled, "Academic Medicine and Managed Care: Seeking Common Ground" was delivered by John C. LaRosa, M.D., Chancellor of Tulane University Medical Center in New Orleans, Louisiana. Dr. William Barry, President of the Association, presented the President's lecture entitled, "Mechanisms of Action and Clinical Efficacy of Digitalis: New Looks at an Old Drug."

#### **First Scientific Session, Thursday, January 8, 1998, 1:00-5:00 PM**

President Barry opened the First Scientific Session with the introduction of new members elected in 1997 who were in attendance. These included: Michael E. Cain, M.D., Wilson S. Colucci, M.D., Michael D. Ezekowitz, M.D., Ph.D., Ami E. Iskandrian, M.D., Sanjiv Kaul, M.D., and Gerald V. Naccarelli, M.D. Seven outstanding papers were presented on

the first day with extensive discussion of the papers. The First Scientific Session was adjourned at 5:00 PM.

**Formal Reception and Dinner at the Ritz-Carlton Palm Beach Ballroom Salon 3**  
**Thursday, January 8, 1998, 7:00-11:00 PM**

Approximately 115 members and guests assembled for a reception and dinner in Ballroom Salon 3 of the Ritz-Carlton Hotel.

**Business Meeting, Friday, January 9, 1998, 8:15-9:00 AM**

Poignant memorial tributes were given for Richard Gorlin (by Larry Cohen), Edgar Haber (by Jim Willerson), Herbert N. Hultgren (by Bill Barry), and Thomas W. Smith (by Bill Barry). The death of David Bristow was also noted, and a tribute will be given in his honor at the next AUC meeting.

The minutes of the 1997 meeting in Carmel, California, were submitted as mailed to the membership and approved by those at the business meeting. Dr. George Beller, Secretary/Treasurer, noted the sites and dates of future meetings and asked the members to mark these on their calendars:

January 14-15, 1999	Ritz-Carlton	Phoenix, AZ
January 13-14, 2000	Carmel Valley Ranch	Carmel, CA
January 11-12, 2001	The Resort at Longboat Key Club	Longboat Key, FL
January 10-11, 2002	Ritz-Carlton	Phoenix, AZ

Dr. George Beller, Secretary/Treasurer, called for committee reports. Dr. Joseph Loscalzo reported that the Auditing Committee had reviewed the income and expenses of the organization and had found the figures to be in order. Dr. Sanders Williams provided the slate of officers for 1998: President – R. Wayne Alexander, Vice President – George A. Beller, Councilor –Joshua Wynne (William Barry , Joel Karliner, and Judith Swain complete the Council). The motion to approve the slate was accepted by unanimous vote of the active membership.

The slate of new members recommended by the Council was considered by all the membership. All seven candidates were recommended by the Council by closed ballot. The new members are:

Coughlin, Shaun R.	Ritchie, James L.
Eagle, Kim Allen	Vetrovec, George Wayne
Lorell, Beverly H.	Ware, J. Anthony
Mehta, Jawahar L.	

Dr. George Beller, Secretary/Treasurer, reviewed the financial statement for 1997 as of December 31, 1997. He showed that income from dues in the past year was \$19,125. Income from educational grants amounted to \$31,500, which included some donations

for both the 1997 and 1998 meetings that were deposited during the 1997 calendar year. After deduction of expenses, the balance as of December 31, 1997 was \$45,563.69. Still to be deducted from this balance were the expenses incurred at the 1998 annual meeting at the Ritz-Carlton Palm Beach. Also noted was the fact that \$60,000 had been placed in a Certificate of Deposit account and had earned \$1,430 in interest.

Mr. Michael Gorman, of Hoechst-Marion-Roussel received special recognition by Dr. Beller for his sustained and generous support of the annual AUC meetings through the years.

Teri Smith, the AUC administrator for the past three years, was recognized for her immense contribution to the Association and was honored with a gift of a clock presented to her by Dr. Barry.

The Presidency was transferred to Dr. Wayne Alexander. Dr. Barry was thanked for his dedication and work in 1997 as President, and was given an inscribed gavel as recognition for his leadership role. The business meeting was adjourned by Dr. Beller.

**Second Scientific Session, Friday, January 9, 1998, 9:00 AM - 12:30 PM**

Six papers were given and extremely well received and thoroughly discussed by the membership. The 37th Annual Scientific Session of the Association of University Cardiologists was then concluded.

Respectfully Submitted,

George A. Beller, M.D.  
Secretary/Treasurer

GAB/tjs

# **ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**

## **38<sup>th</sup> Annual Meeting**

**The Ritz-Carlton Phoenix**

**Phoenix, Arizona**

**January 14-15, 1999**

### **Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Ritz-Carlton Phoenix on Wednesday, January 13, 1999.

#### **Council Meeting, Wednesday, January 13, 1999, 2:00-5:00 PM**

Present: President -- R. Wayne Alexander, M.D., Vice President -- George A. Beller, M.D., Secretary/Treasurer -- Donald D. Heistad, M.D.; Councilors -- Past President William H. Barry, M.D., Joel S. Karliner, M.D., Joshua Wynne, M.D. Absent: Judith L. Swain, M.D.

Dr. Alexander called the meeting to order. The death of John David Bristow (Emeritus) was recognized. A Thursday morning memorial is planned. Six members were transferred to Emeritus status, having reached 65 years of age since the 1998 meeting. These members were: Dr. Paul J. Cannon (Active), Dr. Lawrence S. Cohen (Active), Dr. Gordon A. Ewy (Active), Dr. Leonard S. Gettes (Active), Dr. J. Ward Kennedy (Active), and Dr. Hermes A. Kontos (Active). The Council also acted positively on the requests of Dr. James F. Spann (Active), Dr. Burton E. Sobel (Active), and Dr. Albert Leon Waldo (Active) to assume Emeritus status, having reached the age of 60. It was noted that 7 active members were between 60 and 65 years of age, with 15 years active membership who were eligible to apply for Emeritus status in 1999. As of January 14, 1999, the Association included 104 Active members, 5 Inactive members, 118 Emeritus members, and 1 Honorary member.

The Council reviewed 18 candidates for membership. The primary and secondary reviewers discussed in detail the membership applications of all candidates, and each were discussed at length by the Council. The Council recommended the following 13 candidates for membership: Roberto Bolli, Peter Buttrick, Mihai Gheorghide, Allan S. Jaffe, Marvin Konstam, Peter Libby, Leslie William Miller, Michael S. Parmacek, Joseph Parillo, Gerald Pohost, John Rutherford, Richard Smalling, and Ronald Victor. Assuming election of the recommended candidates at the 1999 business meeting, there will be 117 Active members. One Active member who was in jeopardy had his excuse for absence accepted. Another Active member who requested an excuse was automatically transferred to Emeritus status at this meeting, so no excuse was required.

The President appointed the Nominations Committee, consisting of Joel Karliner, Carl Apstein, and Rose Marie Robertson to select the President, Vice President, and one

(missing page 2)



**First Scientific Session, Thursday, January 14, 1999, 1:00 – 5:00 PM**

President Alexander opened the First Scientific Session with the introduction of new members elected in 1998 who were in attendance. These included: Beverly H. Lorell, M.D.; James L. Ritchie, M.D.; Kim A. Eagle, M.D.; Jawahar L. Mehta, M.D., Ph.D.; George W. Vetrovec, M.D.; and J. Anthony Ware, M.D.. Seven outstanding papers were presented on the first day with extensive discussion of the papers. The First Scientific Session was adjourned at 5:30 PM.

**Formal Reception and Dinner at the Ritz-Carlton Phoenix**  
**Thursday, January 14, 1999, 7:00 – 11:00 PM**

Approximately 115 members and guests assembled for a reception and dinner.

**Business Meeting, Friday, January 15, 1999, 8:15 – 9:00 AM**

The minutes of the 1998 meeting in Palm Beach, Florida, were submitted as mailed to the membership and approved by those at the business meeting. Dr. Donald Heistad, Secretary/Treasurer, noted the sites and dates of future meetings and asked the members to mark these on their calendars:

January 13-14, 2000	Carmel Valley Ranch	Carmel, CA
January 11-12, 2001	The Resort at Longboat Key Club	Longboat Key, FL
January 10-11, 2002	Ritz-Carlton	Phoenix, AZ

There was discussion about possible sites for the 2003 meeting scheduled for California. That meeting will be held at the Carmel Valley Ranch or another suitable location as deemed appropriate by the Council.

Secretary/Treasurer Dr. Donald Heistad reviewed the financial statement for 1998 as of December 31, 1998. Income from dues in the past year was \$18,688. Income from educational grants amounted to \$21,500. After deduction of expenses, the balance as of December 31, 1998 was \$106,057.13. Still to be deducted from this balance were the expenses incurred at the 1999 annual meeting at the Ritz-Carlton Phoenix. A proposal by Dr. Beller was passed to increase the secretarial compensation to \$4000/year to the Administrative Assistant.

Dr. Wayne Alexander called for committee reports. Dr. Gary Stiles reported that the Auditing Committee had reviewed the income and expenses of the organization and had found the figures to be in order. Dr. Joel Karliner and the Nominating Committee provided the slate of officers for 1999: President – George A. Beller; Vice President – R. Sanders Williams; Councilor – Linda L. Demer (R. Wayne Alexander, Joel Karliner, and Joshua Wynne complete the Council). The motion to approve the slate was accepted by unanimous vote of the active membership.

**ADDENDUM TO THE MINUTES FROM THE 37TH ANNUAL MEETING  
OF THE AUC  
The Ritz-Carlton Palm Beach  
Palm Beach, Florida  
January 8-9, 1998**

On page three under the third paragraph of the Business Meeting minutes that you previously received, the third sentence regarding officers should have read (change marked in bold):

Dr. Sanders Williams provided the slate of officers for 1998: President – R. Wayne Alexander, Vice President – George A. Beller, **Secretary/Treasurer – Donald D. Heistad**, Councilor – Joshua Wynne (William Barry, Joel Karliner, and Judith Swain complete the Council).

ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

39th Annual Meeting

Carmel Valley Ranch, Carmel Valley, California

January 13-14, 2000

Minutes of this meeting were not available.

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**40th Annual Meeting**  
**The Resort at Longboat Key Club**  
**Longboat Key, Florida**  
**January 11-12, 2001**

minutes  
1961 - 1967  
1969 - 72  
1974 - 1976  
1978 - ~~1998~~ 2001

*emailed to  
Janet Bishop  
7/2/01*

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Resort at Longboat Key Club on Wednesday, January 10, 2001.

**Council Meeting, Wednesday, January 10, 2001, 2:00-5:00 PM**

Present: President - R. Sanders Williams, M.D.; Vice President - Joel Karliner, M.D.; Secretary/Treasurer -- Donald D. Heistad, M.D.; Councilors - Joshua Wynne, M.D.; Arthur Feldman, M.D., Ph.D.; and George Vetovec, M.D. Absent: Past President George Beller, M.D., Councilor Linda Demer, M.D., Ph.D.

Dr. R. Sanders Williams called the meeting to order. The deaths of John Thomas (Emeritus), Muir Clapper (Emeritus), Robert Levy (Honorary), George Rowe (Emeritus), and A. Calhoun Witham (Emeritus and Founding Member) were recognized. A Friday morning memorial is planned. One member, Dr. Stephen Epstein (Active), was transferred to Emeritus status, having reached 65 years of age since the 2000 meeting. The Council acted positively on the requests of Drs. Richard Popp, Michael Lesch, Morton Arnsdorf, and Bruce Brundage to assume Emeritus status, having reached the age of 60 with at least 15 years of active membership. It was noted that 14 active members were between 60 and 65 years of age, with 15 years active membership, who were eligible to apply for Emeritus status in 2001. It was agreed that the Secretary-Treasurer will send letters after each annual meeting to those individuals who are eligible to apply for Emeritus status. As of January 10, 2001, the Association included 112 Active members, 5 Inactive members, and 123 Emeritus members.

The Council reviewed 26 candidates for membership. The primary and secondary reviewers discussed in detail the membership applications of all candidates, and each were discussed at length by the Council. The Council recommended the following 13 candidates for membership: C. William Balke, Jeffrey Bender, Jeffrey Borer, Pamela Douglas, Mark Fishman, Raymond Gibbons, Augustus Grant, Daniel Kelly, Andrew Marks, Barry Massie, Michael Schneider, Douglas Vaughan, and David Waters. Assuming election of the recommended candidates at the 2001 business meeting, there will be 125 Active members, the maximum number of Active members allowed by the AUC's constitution.

Four Active members who were in jeopardy requested excuses for absence. All of these members will be contacted to encourage participation in the 2002 meeting or their membership will be dropped.

The President appointed the Nominations Committee, consisting of Beverly Lorell (Chair), Allyn Mark, and Bill Barry to select the President, Vice President, Secretary-Treasurer, and possibly one Councilor (if a current Councilor agrees to serve as Secretary-Treasurer). The President appointed an Auditing Committee, consisting of Dick Conti and John DiMarco.

The Secretary/Treasurer reviewed the finances for the past year and noted continuing support of pharmaceutical and other industrial sponsors who had contributed educational grants to the AUC. As always, we will attempt to find new funding sources as well as to continue contact with former sponsors. As has been done in the past five years, the Council decided to continue to make dues optional for Emeritus members.

Our website is up and running at [www.aucard.org](http://www.aucard.org). Appearing on the website is our membership roster, constitution and by-laws, nomination forms, abstract form, list of officers, list of upcoming meetings, and a listing of deceased members. There is also a link to contact either the President or the Secretary-Treasurer by e-mail. Recurring (yearly) costs involve a \$250 hosting fee and a \$20 fee for registration of our name.

It was proposed last year that meeting insurance should be explored, to cover liability of the organization, especially in the event of a large number of weather-related cancellations. Discussion was postponed.

Future meeting sites and dates were discussed. The 2004 east coast meeting site has not been determined, and input from the membership will be sought at the business meeting on Friday morning.

Guest speakers at the President's program are reimbursed for their travel expenses and they receive a \$1,000 honoraria. There was discussion about the possibility of reimbursing travel for the spouse of the speaker. Since a speaker's spouse has not attended an AUC meeting in recent memory, this issue has not come up. It was suggested that reimbursement for the travel expenses of a speaker's spouse would be subject to the organization's financial situation.

The meeting was adjourned by Dr. Williams.

### **Reception – Wednesday, January 10, 2001, 6:30 – 8:00 PM**

The reception was held in the John Ringling Room of The Resort at Longboat Key Club and was attended by approximately 95 members and guests.

### **President's Program – Thursday, January 11, 2001, 8AM – Noon**

Dr. R. Sanders Williams, President of the Association, presented the President's lecture entitled "Preventing Heart Failure in the Era of Genomics: Which Pathways Lead to Success?". Dr. Williams then introduced Dr. Alfred G. Gilman, M.D., Ph.D., Regental professor and Chairman, Department of Pharmacology at the University of Texas Southwestern Medical Center in Dallas and Nobel Laureate. Dr. Gilman spoke about "The Alliance for Cellular Signaling". The Fifteenth George Burch Memorial Lecture entitled "The Science and Technology of Human Genomics in Academia and Industry" was delivered by Charles R. Cantor, Ph.D., Chief Scientific Officer of Sequenom, Inc. in San Diego, and Professor and Chair of Biomedical Engineering and Biophysics, and Director of the Center for Advanced Biotechnology at Boston University in Boston.

### **First Scientific Session, Thursday, January 11, 2001, 1:00 PM – 5:00 PM**

President Williams opened the First Scientific Session with the introduction of new members elected in 2000 who were in attendance. These included: Bradford Berk, James Marsh, and Michael Winniford. Michael Parmacek and Mihai Gheorghiade were also acknowledged as attending their first meeting, having been elected in 1999. Members elected in 2000 who were unable to attend included Alice Jacobs and J. David Talley. Nine outstanding papers were presented on the first day with extensive discussion of the papers. The First Scientific Session was adjourned at 5:30 PM.

### **Formal Reception and Dinner at the Island House at The Resort at Longboat Key Club Thursday, January 11, 2001, 7:00 – 11:00 PM**

Approximately 125 members and guests assembled for a reception and dinner.

### **Business Meeting, Friday, January 12, 2001, 8:00 – 8:45 AM**

The minutes of the 2000 meeting in Carmel, California, were submitted as mailed to the membership and approved by those at the business meeting. Dr. Donald Heistad, Secretary/Treasurer, noted the sites and dates of future meetings and asked the members to make these on their calendars:

January 11-12, 2001	The Resort at Longboat Key Club	Longboat Key, FL
January 10-11, 2002	Ritz-Carlton	Phoenix, AZ
January 9-10, 2003	Carmel Valley Ranch	Carmel, CA
January 2004	To be determined	
January 13-14, 2005	Ritz Carlton	Phoenix, AZ

The location for the 2004 Florida meeting has yet to be determined. Cost of rooms at the Longboat Key Club are significantly lower than others in the area, and the location and accommodations are good. Other possible sites were suggested by members, and the Council will consider several possibilities before entering into a contract.

Secretary/Treasurer Dr. Donald Heistad reviewed the financial statement for 2000 as of December 31, 2000. Income from dues in the past year was \$18,425, income from educational grants amounted to \$29,500, with miscellaneous income of \$25, for a total income in 2000 of \$47,950. An additional \$10,000 from a pharmaceutical company has been earmarked for the 2000 meeting but not received by meeting time. 2000 expenditures totaled \$48,802.91. After deduction of 2000 expenses, the overall balance as of December 31, 2000 was \$110,835.99. Still to be deducted from this balance are the expenses incurred at the 2001 annual meeting at The Resort at Longboat Key Club.

Dr. Heistad acknowledged the AUC's thanks to pharmaceutical companies, and especially to Mike Gorman of Monarch Pharmaceuticals, who continues to provide excellent support year after year.

Dr. Williams called for committee reports. The Auditing Committee of Drs. Dick Conti and John DiMarco reviewed the income and expenses of the organization and found the figures to be in order. Drs. Beverly Lorell, Allny Mark, and Bill Barry of the Nominating Committee provided the slate of officers for 2001: President – Dr. Joel Karliner; Vice President – Dr. Donald Heistad; Secretary-Treasurer – Dr. Linda Demer; and Councilor Dr Elizabeth Nabel (to replace Linda Demer). The motion to approve the slate was accepted by an overwhelming majority of the active membership. Dr. Heistad thanked Dr. Josh Wynne for his active participation as Councilor over the past three years.

The slate of new members recommended by the Council was considered by the membership. Thirteen candidates were recommended by the Council and accepted by the membership. The new members were approved by unanimous vote:

C. William Balke	Daniel Kelly
Jeffrey Bender	Andrew Marks
Jeffrey Borer	Barry Massie
Pamela Douglas	Michael Schneider
Mark Fishman	Douglas Vaughan
Raymond Gibbons	David Waters
Augustus Grant	

The membership was congratulated on these outstanding new members for 2001. Resubmission of those who were not accepted this year, as well as submission of new nominees, was strongly encouraged for 2002. With the Active membership currently at the maximum of 125, members who are eligible to apply for Emeritus status will be encouraged to do so.

Old Business:

- Development of a modest website ([www.aucard.org](http://www.aucard.org)) is complete. Included on the website is the membership roster, list of officers and meeting dates/sites, nominations forms and our abstract form. The website will be evaluated in the future to see if expansion is warranted.
- At the 2000 meeting, it was approved to invite spouses of deceased members to the AUC meeting, at their own expenses. Several invitations were sent. Although no one was able to attend, Dr. Heistad reported receiving a nice note from Harriett Thomas who hopes to attend future meetings. Suzanne Sullivan also talked with Dr. Heistad and sent her regrets.
- Dr. Heistad acknowledged Syd Harned for her truly superb assistance to the Association over the past three years.

New Business:

- Dr. Heistad reported that Emily Couric Beller, who has been ill, is doing remarkably well and working full-time. The membership applauded vigorously.

Poignant memorial tributes were given for John Thomas by Don Heistad (submitted by Gottlieb Friesinger), Muir Clapper by Josh Wynne, Robert Levy by Larry Cohen, George Rowe by Leo Horan, and A. Calhoun Witham by Peter Gazes.

The Presidency was transferred to Dr. Joel Karliner. Dr. Williams was thanked for his dedication and work in 2000 as President, and was given an inscribed clock in recognition of his leadership. The business meeting was adjourned by Dr. Karliner.

**Second Scientific Session, Friday, January 12, 2001, 8:45 AM – 11:35 AM**

Six papers were given, extremely well received, and thoroughly discussed by the membership. The 40<sup>th</sup> Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Karliner.

Respectfully Submitted,

Donald D. Heistad, M.D.  
Secretary/Treasurer  
Association of University Cardiologists

DDH/sbh



# ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

<sup>41st</sup> Annual Meeting

Ritz Carlton

Phoenix, Arizona

January 9-10, 2002

## Minutes

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Ritz Carlton on Wednesday, January 9, 2002.

### Council Meeting, Wednesday, January 9, 2002, 2:00p.m. – 5:00 p.m.

Present: President – Joel Karliner, M.D.; Vice President – Donald D. Heistad, M.D.; Secretary-Treasurer – Linda L. Demer, M.D., Ph.D.; Past-President – R. Sanders Williams, M.D.; and Councilor – George Vetrovec, M.D. Absent (but available for a portion of the meeting by telephone): Councilor Arthur Feldman, M.D.

Dr. Joel Karliner called the meeting to order. The deaths of Richard Carleton (Emeritus) and Hadley Conn (Emeritus) were recognized. A Friday morning memorial is planned. One member, Dr. Allan M. Ross (Active), was transferred to Inactive status, and the Council acted positively on the requests of Drs. George Beller, Alan Fogelman and Douglas Zipes to assume Emeritus status. Five members were transferred to Emeritus status, having reached 65 years of age since the 2001 meeting. These members include Drs. William Gaasch; Joel Karliner; Charles Mullins; Robert Myerburg; and Robert O'Rourke. The Council acted positively on the possible transfer of Drs. Jonathan Abrams, Robert Bache, Peter Cohn, William Grossman, Richard Kerber, James Liedtke, Carl Pepine, Robert Roberts, Hugh Smith, Harold Strauss, Myron Weisfeldt, James Willerson, and Barry Zaret to assume Emeritus status, having reached the age of 60 with at least 15 years of active membership. It was noted that 15 active members were between 60 and 65 years of age, with 15 years active membership, who were eligible to apply for Emeritus status in 2002. It was agreed that the Secretary-Treasurer will send letters after each annual meeting to those individuals who are eligible to apply for Emeritus status. As of January 11, 2002, the Association included 125 Active members, 5 Inactive members, and 125 Emeritus members.

The Council reviewed 14 candidates for membership. The primary and secondary reviewers discussed in detail the membership applications of all candidates, and each were discussed at length by the Council. The Council recommended the following 7 candidates for membership: Ivor Benjamin, Patrice Delafontaine, Pascal Goldschmidt-Clermont, Carlin Long, Francis Marchlinski, Thomas Michel, and Erik Ohman. Assuming election of the recommended candidates at the 2002 business meeting, there will be 125 Active members, the maximum number of Active members allowed by the AUC's constitution.

Four Active members who were in jeopardy requested excuses for absence. All of these members will be contacted to encourage participation in the 2003 meeting or their membership will be dropped.

The President appointed the Nominations Committee, consisting of Sidney Smith (Chair), William Barry, and William Little to select the Vice President, and two Councilors (including the replacement of Elizabeth Nabel who resigned). The President appointed an Auditing Committee, consisting of David Harrison and Michael Crawford.

The Secretary/Treasurer reviewed the finances for the past year and noted continuing support of pharmaceutical sponsors who had contributed educational grants to the AUC. As always, we will attempt to find new funding sources as well as to continue contact with former sponsors.

Future meeting sites and dates were discussed. The meeting in 2003 will be held at the Carmel Valley Ranch in Carmel, California and the 2004 meeting will be held at the Longboat Key Club in Longboat Key, Florida.

Guest speakers at the President's program are reimbursed for their travel expenses, as well as a \$1000 honoraria.

The meeting of the Council was adjourned by Dr. Karliner.

**Reception – Wednesday, January 9, 2002, 6:30 p.m. – 8:00 p.m.**

The reception was held in the Upper Pool Deck of the Ritz-Carlton and was attended by approximately 95 members and guests.

**President's Program – Thursday, January 10, 2002, 8:30 a.m. – 12:00 p.m.**

Dr. Joel S. Karliner, President of the Association, presented the President's lecture entitled "A Good Fat? Sphingolipids and Cardioprotection." Dr. Karliner then introduced Daria Mochly-Rosen, Ph.D., Professor and Chief, Division of Chemical Biology, Department of Molecular Pharmacology at Stanford University. Dr. Mochly-Rosen spoke about "Peptide Regulators of Protein Kinase C for Cardiac Ischemia: A Therapeutic Opportunity?" The Sixteenth George Burch Memorial Lecture entitled "Amazing Forms: The Risks and Benefits of Genetic Enhancement" was delivered by David J. Rothman, Ph.D., Professor of Social Medicine, Columbia University College of Physicians and Surgeons in New York.

**First Scientific Session, Thursday, January 10, 2002, 1:00 p.m. – 5:00 p.m.**

President Karliner opened the First Scientific Session with the introduction of new members elected in 2001 who were in attendance. These included: Jeffrey Bender, Jeffrey Borer, Raymond Gibbons, Augustus Grant, Daniel Kelly, Michael Schneider, Douglas Vaughan, and David Waters. Members elected in 2001 who were unable to attend included C. William Balke, Pamela Douglas, Mark Fishman, Andrew Marks and Barry Massie. Eight outstanding papers were presented with extensive discussion of the papers. The First Scientific Session was adjourned at 5:45 p.m..

**Formal Reception and Dinner at the Ritz-Carlton Hotel,  
Thursday, January 10, 2002, 7:00 p.m. – 11:00 p.m.**

Approximately 100 members and guests assembled for a reception and dinner.

**Business Meeting, Friday, January 11, 2002, 8:00 a.m. – 8:45 a.m.**

The minutes of the 2001 meeting in Longboat Key, Florida, were submitted as mailed to the membership and approved by those present at the business meeting. Dr. Joel Karliner, noted the sites and dates of future meetings and asked the members to mark these on their calendars:

January 9-10, 2003	Carmel Valley Ranch	Carmel, CA
January 8-9, 2004	The Resort at Longboat Key Club	Longboat Key, FL
January 13-14, 2005	(location to be determined)	Phoenix, AZ

Dr. Joel Karliner reviewed the financial statement for 2001 as of December 31, 2001. Income from dues in the past year was \$16,600.00, income from educational grants amounted to \$5,000.00, for a total income in 2001 of \$21,600.00. An additional \$10,000.00 from a pharmaceutical company has been earmarked for the 2002 meeting but had not been received by meeting time. 2001 expenditures totaled \$25,358.05. After deduction of 2001 expenses, the

overall balance as of December 31, 2001 was \$83,444.22. Still to be deducted from this balance are the expenses incurred at the 2002 annual meeting at the Ritz-Carlton.

Dr. Karliner acknowledged the AUC's thanks to pharmaceutical companies, and especially to Mike Gorman of Monarch Pharmaceuticals, who marks his 20<sup>th</sup> year of involvement at the meeting in Phoenix.

Dr. Karliner called for committee reports. The Auditing Committee consisting of Drs. David Harrison and Michael Crawford reviewed the income and expenses of the organization and found the figures to be in order. Drs. Sidney Smith, Bill Barry and Bill Little of the Nominating Committee provided the slate of officers for 2001: Vice President – Dr. George Vetovec; and Councilors – Drs. David Harrison and Michael Crawford. The motion to approve the slate was accepted by an overwhelming majority of the active membership.

The slate of new members recommended by the Council was considered by the membership. Seven candidates were recommended by the Council and accepted by the membership. The following new members were approved by unanimous vote:

Ivor Benjamin	Carlin Long
Patrice Delafontaine	Francis Marchlinski
Pascal Goldschmidt-Clermont	Thomas Michel
	Erik Ohman

The membership was congratulated on these outstanding new members for 2002. Resubmission of those who were not accepted this year, as well as submission of new nominees, was strongly encouraged for 2003. With the Active membership currently at the maximum of 125, members who are eligible to apply for Emeritus status will be encouraged to do so.

#### Old Business:

- It was proposed last year that meeting insurance should be explored, to cover liability of the organization, especially in the event of a large number of weather-related cancellations. Discussion was postponed to this year. It was suggested that the cost of insurance be explored and figures presented to the membership for a vote at the next meeting.

#### New Business:

- There was discussion about whether future meetings should be held at the Ritz Carlton in Phoenix. Other possible sites were suggested by members, and the Council will consider a change of venue for the meeting to be held in 2005 before entering into a formal contract.

Poignant memorial tributes were given for Dr. Richard Carleton by Dr. David Williams and the passing of Dr. Hadley Conn was mentioned by Dr. Joel Karliner. A moment of silence was observed by the membership.

The Presidency was transferred to Dr. Donald Heistad. Dr. Karliner was thanked for his dedication and work in 2001 as President, and was given an inscribed clock in recognition of his leadership. The business meeting was adjourned by Dr. Heistad.

**Second Scientific Session, Friday, January 11, 2002, 8:30 a.m. – 12:00 p.m.**

Eight papers were given, extremely well received, and thoroughly discussed by the membership. The 41<sup>st</sup> Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Heistad.

Respectfully submitted,

Linda L. Demer, M.D., Ph.D.  
Secretary-Treasurer  
Association of University Cardiologists

LLD:jmb

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**42nd Annual Meeting**  
**Carmel Valley Ranch**  
**Carmel, California**  
**January 9-10, 2003**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Carmel Valley Ranch on Wednesday, January 8, 2003.

**Council Meeting, Wednesday, January 8, 2003, 2:00p.m. – 5:00 p.m.**

Present: President – Don Heistad, M.D.; Vice President – George Vetrovec, M.D.; Secretary-Treasurer – Linda L. Demer, M.D., Ph.D.; Past-President – Joel Karliner, M.D.; and Councilor – Michael Crawford, M.D. Absent: Councilors Arthur Feldman, M.D. and David Harrison, M.D.

Dr. Don Heistad called the meeting to order. The deaths of Harper Hellems (Emeritus), Lewis January (Emeritus), Patrick Lehan (Emeritus) and Robert Schlant (Emeritus) were recognized. A Friday morning memorial is planned. One member, Dr. James Ritchie (Active), has submitted his resignation and the Council acted positively on this request. One member, Elizabeth Nabel, requested transfer to Inactive status. The Council tabled this request pending action of a committee to revise By-Laws concerning Inactive status. The Council acted positively on the requests of Drs. Jonathan Abrams, Peter Cohn, James Liedtke, Carl Pepine, Robert Roberts, Hugh Smith, Harold Strauss and James Willerson to assume Emeritus status. Dr. Alfred Parisi was transferred to Emeritus status, having reached 65 years of age since the 2001 meeting. The Council acted positively on the possible transfer of Drs. Robert Bache, William Grossman and Richard Kerber to assume Emeritus status, having reached the age of 60 with at least 15 years of active membership. It was noted that 3 active members were between 60 and 65 years of age, with 15 years active membership, who were eligible to apply for Emeritus status in 2003. It was agreed that the Secretary-Treasurer will send letters after each annual meeting to those individuals who are eligible to apply for Emeritus status. As of January 10, 2003, the Association included 121 Active members, 5 Inactive members, and 131 Emeritus members.

The Council reviewed 10 candidates for membership. The primary and secondary reviewers discussed in detail the membership applications of all candidates, and each were discussed at length by the Council. The Council recommended the following 6 candidates for membership: John Canty, Glenn Fishman, Joseph Hill, Greg Schwartz, P.K. Shah and Michael Zile. Assuming election of the recommended candidates at the 2003 business meeting, there will be 121 Active members.

Seventeen of the twenty-three Active members who were in jeopardy requested excuses for absence. All of these members will be contacted to encourage participation in the 2004 meeting or their membership will be dropped.

The President appointed the Nominations Committee, consisting of Allyn Mark (Chair), and Gus Grant, to select the Vice President, and two Councilors. The President appointed an Auditing Committee, consisting of Roberto Bolli and Anthony DiMaria.

The Secretary/Treasurer reviewed the finances for the past year and noted continuing support of pharmaceutical sponsors who had contributed educational grants to the AUC. As always, we will attempt to find new funding sources as well as to continue contact with former sponsors.

Future meeting sites and dates were discussed. The meeting in 2004 will be held at the Longboat Key Club in Longboat Key, Florida and the meeting in 2005 will be held at the Ritz Carlton in Phoenix, Arizona.

Guest speakers at the President's program are reimbursed for their travel expenses, as well as a \$1000 honoraria.

The meeting of the Council was adjourned by Dr. Heistad.

**Reception – Wednesday, January 8, 2003, 6:30 p.m. – 8:00 p.m.**

The reception was held in Ballroom A of the Carmel Valley Ranch and was attended by approximately 96 members and guests.

**President's Program – Thursday, January 9, 2003, 8:30 a.m. – 12:00 p.m.**

Dr. Donald D. Heistad, President of the Association, presented the President's lecture entitled "Gene Transfer to Blood Vessels: Application for Vascular Biology and Therapy." Dr. Heistad then introduced Kevin P. Campbell, Ph.D., Investigator, Howard Hughes Medical Institute and Professor and Interim Head, Department of Physiology and Biophysics at the University of Iowa. Dr. Campbell spoke about "Molecular Basis of Muscular Dystrophy and Associated Cardiomyopathy." The Seventeenth George Burch Memorial Lecture entitled "Cardiology: The Past, The Present, and the Future," was delivered by Eugene Braunwald, M.D., Chief Academic Officer, Partners HealthCare System and Distinguished Hersey Professor of Medicine and Faculty Dean for Academic Programs at Harvard Medical School.

**First Scientific Session, Thursday, January 9, 2003, 1:00 p.m. – 5:00 p.m.**

President Heistad opened the First Scientific Session with the introduction of new members elected in 2002 who were in attendance. These included: Ivor Benjamin, Patrice Delafontaine, Pascal Goldschmidt-Clermont, Carlin Long and Thomas Michel. Members elected in 2002 who were unable to attend included Francis Marchlinski and Magnus Ohman. Seven outstanding papers were presented with extensive discussion of the papers. The First Scientific Session was adjourned at 5:00 p.m.

**Formal Reception and Dinner at the Carmel Valley Ranch,  
Thursday, January 9, 2003, 7:00 p.m. – 11:00 p.m.**

Approximately 112 members and guests assembled for a reception and dinner.

**Business Meeting, Friday, January 10, 2003, 8:00 a.m. – 9:00 a.m.**

The minutes of the 2002 meeting in Phoenix, Arizona, were submitted as mailed to the membership and approved by those present at the business meeting. Dr. Don Heistad noted the sites and dates of future meetings and asked the members to mark these on their calendars:

January 8-9, 2004	The Resort at Longboat Key Club	Longboat Key, FL
January 13-14, 2005	The Ritz Carlton	Phoenix, AZ
January 12-13, 2006	Carmel Valley Ranch	Carmel, CA

Dr. Linda Demer reviewed the financial report for 2002 as of December 31, 2002. Income from dues in the past year was \$22,600.00, income from educational grants amounted to \$10,000.00 and a refund from a past meeting location amounted to \$19,068.63. Total income in 2002 amounted to \$51,668.63. 2002 expenditures totaled \$42,178.68. The overall balance as of



December 31, 2002 was \$91,822.17. Still to be deducted from this balance are the expenses incurred at the 2003 annual meeting at the Carmel Valley Ranch.

Dr. Heistad acknowledged the AUC's thanks to pharmaceutical companies, and especially to Mike Gorman of Monarch Pharmaceuticals, who marks his 21<sup>st</sup> year of involvement at the meeting in Carmel.

Dr. Heistad called for committee reports. The Auditing Committee consisting of Dr. Roberto Bolli reviewed the income and expenses of the organization and found the figures to be in order. Drs. Allyn Mark, and Gus Grant of the Nominating Committee provided the slate of officers for 2003: Vice President – Dr. Linda Demer; Secretary-Treasurer – David Harrison; and two Councilors – Ron Victor and Peter Libby. The motion to approve the slate was accepted by an overwhelming majority of the active membership.

The slate of new members recommended by the Council was considered by the membership. Six candidates were recommended by the Council and accepted by the membership. The following new members were approved by unanimous vote:

John Canty  
Glenn Fishman  
Joseph Hill

Greg Schwartz  
P.K. Shah  
Michael Zile

The membership was congratulated on these outstanding new members for 2003. Resubmission of those who were not accepted this year, as well as submission of new nominees, was strongly encouraged for 2004. Members who are eligible to apply for Emeritus status will be encouraged to do so.

#### New Business:

- An ad hoc committee represented by Larry Cohen and Mike Crawford was selected by the Council to analyze the by-laws to address members who leave academic positions, but who are not eligible to change their membership status from Active to Interactive.
- The Council received a letter from Drs. Weissler and Berenson requesting that the organization provide a meeting room on the day before the annual meeting begins for the purpose of an Emeritus Session. The Emeritus members would be responsible for the organization of this session and would obtain funds to pay for any beverages, food, and additional costs. The Organization would arrange for this meeting room when making the arrangements with the resorts for the other sessions. After discussion by the membership, this was put to a vote and approved.

Poignant memorial tributes were given for Dr. Lewis January and Dr. Patrick Lehan by Drs. Allyn Mark and Linda Demer, respectively, and the passing of Drs. Harper Hellems and Robert Schlant was mentioned by Dr. Heistad. A moment of silence was observed by the membership.

The Presidency was transferred to Dr. George Vetrovec. Dr. Heistad was thanked for his dedication and work in 2002 as President, and was given an inscribed clock in recognition of his leadership. The business meeting was adjourned by Dr. Vetrovec.

**Second Scientific Session, Friday, January 10, 2003, 9:00 a.m. – 12:00 p.m.**

Five papers were given, extremely well received, and thoroughly discussed by the membership. The 42<sup>nd</sup> Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Vetrovec.

Respectfully submitted,

A handwritten signature in cursive script that reads "Linda Demer".

Linda L. Demer, M.D., Ph.D.  
Secretary-Treasurer  
Association of University Cardiologists

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**43<sup>rd</sup> Annual meeting**  
**Resort at Longboat Key Club**  
**Longboat Key, Florida**  
**January 8-9<sup>th</sup>, 2004**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting held at the Resort at Longboat Key Club on Wednesday, January 7<sup>th</sup>, 2004.

**Council Meeting, Wednesday, January 7<sup>th</sup>, 2004: 2:00 p.m. – 5:00 p.m.**

Present: President: George Vetovec, M.D.; Vice President: Linda Demer, M.D.; Secretary-Treasurer: David G. Harrison, M.D. (by telephone); Past President: Donald Heistad, M.D.; Councilor: Michael Crawford, M.D.; Councilor: Ronald Victor, M.D.; and Councilor: Peter Libby, M.D.

Dr. George Vetovec called the meeting to order. The deaths of Glenn Sawyer (Emeritus) and Noble Fowler (Emeritus) were recognized. Memorials are planned during the Business Meeting on Friday morning.

There were several requests for changes in status: Mark Fishman (Active) requested resignation; Judith Swain (Active) requested Inactive status; Joseph Albert, Anthony DeMaria, Valentin Fuster, Carl Apstein, and William Grossman requested Emeritus status; Bramah Singh and Robert Bache accepted obligated transfer to Emeritus status. The Council acted positively on all requests and will present these at the Business Meeting for final approval

The Council reviewed 22 candidates for membership. All Council members, as well as the primary and secondary reviewers, discussed the membership applications of all 22 candidates. The Council recommended the following 16 candidates for membership: Kenneth Baughman, David Gutterman, David Holmes, David Kass, Richard Kitsis, Elizabeth McNally, Richard Page, Cam Patterson, David Pinsky, Christine Seidman, Michael Simons, Peter Snyder, Michael Taubman, Gordon Tomaselli, James Udelson, and David Wilber. Assuming election of the recommended candidates at the 2004 Business Meeting on Friday morning, there will be 123 Active members for 2004-2005.

Two of the twelve Active members who were in jeopardy requested excuses for absence; one member was eligible for Emeritus status; four members were dropped from the roster for too many absences; two were present at the 2004 meeting; and a letter will be sent to two members to encourage their participation or their membership will be dropped.

Dr. Vetovec appointed the Nominating Committee, consisting of John Rutherford, Doug Vaughan, and Peter Buttrick to select one Council member for 2004-2005. Dr. Vetovec also

appointed an Auditing Committee consisting of William Little and Marvin Konstam. Drs. Little and Konstam will give a full report of their findings at the Business Meeting on Friday morning.

The future meetings were discussed. The meeting in 2005 will take place at the Ritz Carlton in Phoenix, Arizona; the 2006 meeting will take place at the Carmel Valley Ranch in Carmel, California; and the 2007 meeting will take place at the Renaissance Vinoy Resort in St. Petersburg, Florida. A site for the 2008 meeting will be discussed by the Council members during a conference call this year. The sites under consideration are the Marriott and the Westin in Scottsdale, Arizona.

The Council meeting was adjourned by Dr. Vetovec.

**Reception – Wednesday, January 7<sup>th</sup>, 2004, 6:30 p.m. – 8:00 p.m.**

The reception was held in the John Ringling Room of the Resort at the Longboat Key Club and was attended by approximately 90 members and guests.

**President's Program – Thursday, January 8<sup>th</sup>, 2004, 8:30 a.m. – 12:00 p.m.**

Dr. George Vetovec, President of the Association, introduced Mr. John Abele, Founder and Chairman of Boston Scientific Corporation. Mr. Abele gave a presentation on "Fast Moving Technology and Other Challenges in Health Care Delivery". Dr. Vetovec then introduced Dr. Bram Zuckerman, Director of the FDA Division of Cardiovascular Devices Center for Devices and Radiological Health in Rockville, Maryland. Dr. Zuckerman spoke on "Medical Device Development: The FDA Perspective". Dr. Vetovec then gave the President's lecture entitled "Percutaneous Coronary Intervention vs. Bypass Surgery: Current Status".

**Formal Reception and Black Tie Dinner at the Harborside Inn  
Thursday, January 8<sup>th</sup>, 2004, 7:00 p.m. – 11:00 p.m.**

Approximately 100 members and guests enjoyed a reception and black tie dinner held at the Harborside Inn at the Resort at the Longboat Key Club.

**Business Meeting, Friday, January 9<sup>th</sup>, 2004, 8:00 a.m. – 9:00 a.m.**

The minutes of the 2003 meeting in Carmel, California were submitted as mailed to the membership and approved by those present at the business meeting. Dr. George Vetovec noted the sites and dates of the future meetings and asked the members to mark these on their calendars:

January 13-14, 2005: Ritz Carlton, Phoenix, Arizona

January 12-13, 2006: Carmel Valley Ranch, Carmel, California

January 11-12, 2007: Renaissance Vinoy Resort, St. Petersburg, Florida

Drs. Marvin Konstam and William Little reviewed the financial report for 2003 as of December 31<sup>st</sup>, 2003. They reported that they are confident the financial situation of the Association is in

good shape. Over the last several years, the cash balance at the end of the calendar year that the organization uses has ranged between \$90,000 and \$100,000. It is approximately \$90,000 at the end of 2003. The expenses per year are approximately \$50,000, that is \$40,000 for the meeting and \$10,000 for other expenses. Our income over the last several years has also been approximately \$50,000, which is \$15,000 from the dues and \$35,000 from industry and that was the situation from the past year. As far as they can determine, the cash balance is approximately 1.8 times the current expenses per year and provided the AUC can continue to attract funding from industry, as they were very successful this year, the finances should be ok. Having reviewed all this, they did have two suggestions: 1) because the organization has made commitments for subsequent year's meetings that are legally obligated to, the cash accounting system is probably not adequate and they suggest that the organization move to an accrual accounting method as well to more accurately reflect our obligation; and 2) the organization obtain an outside review and make sure our financial policies and procedures are appropriate for maintaining a tax exempt status and that we be sure that we are doing everything in the correct way. The overall findings are that the books are in order and the organization is financially sound; we need an accrual accounting system; and we need a more formal review of our financial structure and our financial practices.

Drs. John Rutherford, Douglas Vaughan, Peter Buttrick formed a nominating committee for the election of officers. They put forward the nomination of Michael Crawford for Vice President and Blasé Carabello for the Council position that has become available. The motion to approve the new officers was accepted by a majority of the membership. Dr. Demer, as the former Vice President, will automatically assume the Presidency and Dr. Vetovec will assume a role as Council member for one year replacing Dr. Heistad.

The new officers for 2004 are:

President: Linda Demer, M.D.; Vice President: Michael Crawford, M.D.; Secretary-Treasurer: David G. Harrison, M.D.; Past President: George Vetovec, M.D.; Councilor: Ronald Victor, M.D.; Councilor: Peter Libby, M.D.; Councilor: Blasé Carabello.

The slate of new members recommended by the Council was considered by the membership. 16 candidates were recommended by the Council and accepted by the membership.

The following new members were approved by unanimous vote:

Kenneth Baughman	David Pinsky
David Gutterman	Christine Seidman
David Holmes	Michael Simons
David Kass	Peter Snyder
Richard Kitsis	Michael Taubman
Elizabeth McNally	Gordon Tomaselli
Richard Page	James Udelson
Cam Patterson	David Wilber

#### 2004-2005 AUC Membership:

Active: 123  
Inactive: 5  
Emeritus: 142

#### Old Business:

Mark Fishman (Active) requested resignation; Judith Swain (Active) requested Inactive status; Joseph Albert, Anthony DeMaria, Valentin Fuster, Carl Apstein, and William Grossman requested Emeritus status; Bramah Singh and Robert Bache accepted obligated transfer to Emeritus status. The membership approved all requests.

#### New Business:

Future meetings: The Council will check into the Marriott Conference Center in the Phoenix area and the Westin in the Scottsdale area.

Emeritus meeting: Dr. Weissler gave a summary of the first Emeritus Forum on Wednesday afternoon. The Emeritus members enjoyed a great discussion among an intimate group of physicians. He would welcome any active members who would like to attend this meeting next year. All members will receive an invitation in their information regarding the meeting in 2005.

Dr. William Little gave a memorial for Dr. Glen Sawyer. Dr. Sawyer died in April 2003. Dr. Sawyer was a native of North Carolina. He graduated from the first class to receive an MD degree from Wake Forest University. He had been a member of the AUC since 1964. He and his wife Betsy enjoyed attending the AUC annual meetings.

Dr. Robert Adolph gave a memorial for Dr. Noble Fowler. Dr. Fowler died in March 2003 at age 84. He and his wife were married for more than 60 years and raised three children. He was raised and educated in Memphis, Tennessee. His best known text books are "Diagnosis of Heart Disease", "Cardiac Diagnosis and Treatment" and "The Pericardium" and "Health and Disease". He was one of the founding members of the AUC.

Dr. Vetovec called for a moment of silence.

The presidency was transferred to Dr. Linda Demer. Dr. Vetovec was thanked for his dedication and work in 2003 as President and was given an inscribed gavel in recognition of his leadership. The business meeting was adjourned by Dr. Vetovec.

#### **Second Scientific Session, Friday, January 9<sup>th</sup>, 2004, 9:00 a.m. – 12:00 p.m.**

Five papers were given, extremely well received, and thoroughly discussed by the membership. The 43<sup>rd</sup> Annual Scientific Session of the Association of the University Cardiologists was then concluded by Dr. Demer.

Respectfully submitted,

David G. Harrison, M.D.  
Secretary-Treasurer  
Association of University Cardiologists

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**

**44<sup>th</sup> Annual Meeting  
The Ritz Carlton  
Phoenix, Arizona  
January 13-14<sup>th</sup>, 2005**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting and an Emeritus meeting held at the Ritz Carlton on Wednesday, January 12<sup>th</sup>, 2005.

**Council Meeting, Wednesday, January 12<sup>th</sup>, 2005: 2:00 p.m. – 5:00 p.m.**

Present: President: Linda Demer, M.D., Ph.D.; Vice President: Michael Crawford, M.D.; Secretary-Treasurer: David G. Harrison, M.D.; Past President: George Vetrovec, M.D.; Councilor: Ronald Victor, M.D. (on speaker phone); and Councilor: Blasé Carabello, M.D.

Dr. Linda Demer called the meeting to order. The deaths of Drs. Robert A. Bruce, Morton L. Pearce, and Park Willis (all Emeritus members) were recognized. Dr. Demer will ask the members during the Business Meeting if anyone would like to give a memorial tribute at the next meeting.

There were several requests for changes in status: Richard Kerber, Mark E. Josephson, and George Cooper are eligible for Emeritus status and requested Emeritus status beginning 2005. The Council acted positively on these requests and will present these at the Business Meeting for final approval.

The Council reviewed 13 candidates for membership. All Council members, as well as the primary and secondary reviewers, discussed the membership applications of all 13 candidates. The Council recommended the following 10 candidates for membership: William Abraham, Elliott Antman, Steven Bergman, George Dec, Mark Estes, David Hayes, Kirk Knowlton, Bruce Liang, Barry London, and Michael Mendelsohn. Assuming election of the recommended candidates at the 2005 Business Meeting on Friday morning, there will be 120 active members for 2005-2006.

Discussion of the members in jeopardy led to interpretation of the rule regarding being excused from the annual meeting. The Council agreed that members who could not attend would be considered absent from the meeting unless there was a real emergency that prevented their attending. None of the members who did not attend this meeting were given an Excuse. Excuses will only be given to a member whose membership is in jeopardy by non-attendance at a meeting if their reason qualifies.

Of the Active members in jeopardy, six were dropped from the roster for too many absences; three were offered Inactive status because they are now in industry; three were present at the



meeting; and letters will be sent to three members to encourage their participation or their membership will be dropped.

Dr. Demer announced that Dr. Crawford will assume the Presidency for 2005 and Dr. Harrison will hold the office of Secretary-Treasurer for one more year. Dr. Linda Demer appointed the Nominating Committee, consisting of Drs. Wayne Alexander, William Little, and Gerald Naccarelli to nominate the Vice President and one Council member for 2005-2006. Dr. Demer also appointed an Auditing Committee consisting of Drs. Donald Heistad and Joseph Loscalzo. Drs. Alexander, Little, and Naccarelli will announce the new Vice President and Council member at the Business Meeting on Friday morning. Drs. Heistad and Loscalzo will give a full report of their findings at the Business Meeting on Friday morning.

Dr. Harrison brought up the subject of increasing dues. Pharmaceutical companies have not been as forthcoming with contributions as in previous years. He would like to see the AUC become more self reliant and not as dependent on outside assistance. Dues for Active and Inactive members would be increased to \$250; new Emeritus members would pay dues of \$125; members who were already Emeritus members prior to this increase would not be asked to pay any dues, but they would be asked to make a voluntary contribution. The Council took a vote and acted positively on this on this request. Dr. Harrison will make this announcement during the Business Meeting on Friday morning.

Discussion took place about the 2009 meeting site. Carmel Valley was mentioned as a good choice since this meeting would be on the West Coast and the members enjoy this site. Dr. Demer will survey the members at the Friday morning Business Meeting.

The Council meeting was adjourned by Dr. Demer.

**Reception - Wednesday, January 11<sup>th</sup>, 2005, 6:00 p.m. - 8:00 p.m.**

The reception was held in Salon II of the Ritz Carlton and was attended by approximately 90 members and guests.

**President's Program - Thursday, January 12<sup>th</sup>, 2005, 8:45 a.m. - 12:00 p.m.**

Dr. Linda Demer, President of the Association, introduced Dr. Denis Buxton, Associate Program Director, Heart Research Program of the Division of Heart and Vascular Diseases from the National Heart, Lung, and Blood Institute. Dr. Buxton gave a presentation on "Nanocardiology". Dr. Demer then introduced Dr. Alan Garfinkel, Professor, Division of Cardiology, UCLA School of Medicine. Dr. Garfinkel gave a presentation on "Cardiovascular Chaos". Dr. Demer then gave the President's Lecture entitled "Vascular Stem Cells in Calcification".

**Formal Reception and Black Tie Dinner at the Ritz Carlton, Salon II  
Thursday, January 12<sup>th</sup>, 2005, 7:00 p.m. - 11:00 p.m.**

There were 120 members and guests who enjoyed a reception and black tie dinner held at the Ritz Carlton in Salon II. Dr. Demer gave special recognition to Mike Gorman, who has attended the AUC meetings for over 20 years, and also thanked Karen Meyer from CV Therapeutics and Novartis for their contributions this year.

**Business Meeting, Friday, January 14<sup>th</sup>, 2005, 8:00 a.m. ~ 9:00 a.m.**

Dr. Linda Demer had a family emergency and asked Dr. Michael Crawford, incoming President, to conduct the meeting in her absence. The minutes of the 2004 meeting in Longboat Key, Florida were submitted as mailed to the membership and approved by those present at the Business Meeting. Dr. Crawford called attention to the next three meeting sites and reminded the members to make sure these dates are marked on their calendars:

January 12-13, 2006: Carmel Valley Ranch, Carmel, California  
January 11-12, 2007: Renaissance Vinoy Resort, St. Petersburg, Florida  
January 10-11, 2008: Westin Kierland Resort & Spa, Scottsdale, Arizona

Dr. Crawford asked for suggestions for sites for the 2009 meeting. A consensus was taken and it was decided to go back to Carmel Valley in California.

Dr. David Harrison, Secretary-Treasurer, made an announcement that the Council had voted positively on a dues increase. This is in part due to inflation, which has increased costs of the annual meeting, as well as the overall expenses of the organization, and the decrease of pharmaceutical support. The dues have been \$125 for over ten years, and will increase to \$250 for active and inactive members and \$125 for members who become Emeritus after 2005. Emeritus members before 2005 will not be required to pay dues, but are encouraged to do so voluntarily.

Drs. Don Heistad and Joseph Loscalzo reviewed the financial report for 2004 as of December 31, 2004. They reported that the books are in order.

Drs. Wayne Alexander, William Little, and Gerald V. Naccarelli formed a nominating committee for the election of officers. They put forward the nomination of Peter Libby for Vice President and Augustus Grant for the Council position that has become available. The motion to approve the new officers was approved by a majority of the membership. Dr. Michael Crawford, as the former Vice President, will automatically assume the Presidency and Dr. Linda Demer will assume a role as Council member for one year replacing Dr. George Vetrovec.

**The new officers for 2005 are:**

President: Michael Crawford, M.D.; Vice President: Peter Libby, M.D.; Secretary-Treasurer: David G. Harrison, M.D.; Past President: Linda Demer, M.D., Ph.D.; Councilor: Ronald Victor, M.D.; Councilor: Blasé Carabello, M.D.; Councilor: Augustus Grant, M.D., Ph.D.

The slate of new members recommended by the Council was considered by the membership. 10 candidates were recommended by the Council and accepted by the membership:

William Abraham  
Elliott Antman  
Steven Bergman  
George Dec  
Mark Estes

David Hayes  
Kirk Knowlton  
Bruce Liang  
Barry London  
Michael Mendelsohn

Dr. Crawford wanted to remind the membership that new members must come to a meeting and present a paper to officially become a member. After that, it is a requirement that an Active and Inactive member attend at least one out of three meetings and failure to do so results in your membership being terminated from the association.

Dr. Crawford would like to have an equally strong list of nominees to choose from at our next meeting. If you know of a strong candidate for the AUC, you should look into our nomination process.

#### 2005-2006 AUC Membership:

Active: 121  
Inactive: 8  
Emeritus: 141

Dr. Weissler gave a report from the Emeritus meeting. The Emeritus members had a very active interchange of ideas. He would like for the entire membership to feel welcome to their presentations on Wednesday afternoons before the general meeting begins on Thursday. You don't have to be an Emeritus member to attend this meeting, all are welcome.

Dr. Nancy Flowers gave a touching memorial for Dr. Robert Schlant. Dr. Schlant was a co-author of the textbook, "The Heart" for many years. Bob was transferred quite a lot in his early years and ended up in the Atlanta area. He attended Vanderbilt and was the youngest quarterback in the Southeastern Conference from Vanderbilt. His internship and medical residency was served at the Peter Bent Brigham Hospital. He was recruited to Emory University by Dr. Willis Hurst. Dr. Schlant was elected to the AUC in 1967 and served as the Secretary-Treasurer, Vice President and President during the years from 1978-83. He received the Distinguished Achievement Award from the American Heart Association followed a few years later by the James D. Herrick Award from the AHA. Dr. Hurst was never sorry he hired Dr. Schlant as Dr. Schlant met Dr. Hurst's own job description that "all faculty must be smarter than himself".

Dr. Crawford called for a moment of silence for Drs. Robert Schlant, Robert A. Bruce, Morton L. Pearce, and Park Willis.

No old or new business was discussed.

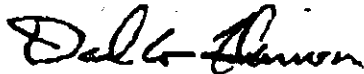
The business meeting was adjourned.

Second Scientific Session, Friday, January 12<sup>th</sup>, 9:00 a.m. - 12:00 p.m.

Five papers were presented by new members and well received. Discussions took place following each presentation.

The 44<sup>th</sup> Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Crawford.

Respectfully submitted,



David G. Harrison, M.D.  
Secretary-Treasurer  
Association of University Cardiologists

# ASSOCIATION OF UNIVERSITY CARDIOLOGISTS

45<sup>th</sup> Annual Meeting  
Carmel Valley Ranch  
Carmel, California  
January 12-13<sup>th</sup>, 2006

## Minutes

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting and an Emeritus meeting held at Carmel Valley Ranch on Wednesday, January 11<sup>th</sup>, 2006.

### Council Meeting, Wednesday, January 11<sup>th</sup>, 2006; 2:00 p.m. – 5:00 p.m.

Present: President: Michael Crawford, M.D.; Vice President: Peter Libby, M.D.; Secretary-Treasurer: David G. Harrison, M.D.; Councilor: Ronald Victor, M.D.; Councilor: Blasé Carabello, M.D.; Councilor: Augustus Grant, M.D. (on speaker phone); Past President: Linda Demer, M.D., Ph.D. (absent).

Dr. Michael Crawford called the meeting to order. The deaths of Drs. Peter Kuo, Harold Swan, James E. Doherty, and Harry Zinsser (all Emeritus members) were recognized. Dr. Crawford will ask the members during the Business Meeting if anyone would like to give a memorial tribute.

There were several requests for changes in status: Bernard Chaitman, David Paxson, Carl Leier, and Rose Robertson are eligible for Emeritus status and requested Emeritus status beginning 2006. Charles Francis, Donald Heistad, and David McCall were obligated to transfer to Emeritus beginning 2006. David Skorton and Gary Stiles requested resignation. The Council acted positively on these requests and will present these at the Business Meeting for final approval.

The Council reviewed 6 candidates for membership. All Council members, as well as the primary and secondary reviewers, discussed the membership applications of all 6 candidates (Dr. Demer faxed her reviews). The Council recommended all of the 6 candidates for membership: Robert Califf, Jamie Conti, Richard Lange, Mandeep Mehra, Marc Pfeffer, and Arshed Quyyumi. Assuming election of the recommended candidates at the 2006 Business Meeting on Friday morning, there will be 110 active members for 2006-2007.

Of the 29 Active members in jeopardy, 7 were dropped from the roster for too many absences; two were offered Inactive status; 12 were present at the meeting; and letters will be sent to the other members to encourage their participation or their membership will be dropped. Also, letters will be sent to members with past due membership dues to ask that they pay their obligation or they will be dropped from the roster.

Dr. Michael Crawford appointed the Nominating Committee, consisting of Drs. William Barry and Donald Heistad to nominate the Vice President, Secretary Treasurer, and one Council member for 2006-2007. Dr. Crawford also appointed an Auditing Committee consisting of Drs. Michael Cain and Gerald Naccarelli. Drs. William Barry and Donald Heistad will announce the new Vice President, Secretary Treasurer, and Council member at the Business Meeting on Friday morning. Drs. Michael Cain and Gerald Naccarelli will give a full report of their findings at the Business Meeting on Friday morning.

Discussion took place regarding the 2010 meeting site. Boca Raton was mentioned as a possible site in Florida. The same company that handles Carmel Valley Ranch also has properties in that area. Dr. Crawford will survey the members at the Friday morning Business Meeting.

The Council meeting was adjourned by Dr. Crawford.

**Reception - Wednesday, January 11<sup>th</sup>, 2006, 6:00 p.m. - 8:00 p.m.**

The reception was held at the Carmel Valley Ranch and was attended by approximately 65 members and guests.

**President's Program - Thursday, January 12<sup>th</sup>, 2006, 8:45 a.m. - 12:00 p.m.**

Dr. Michael Crawford, President of the Association, introduced Dr. Ann Bolger, William Watt Kerr Professor of Clinical Medicine at the University of California, San Francisco. Dr. Bolger gave a presentation on "Inside the Beating Ventricle: Confluence, Separation and Efficiency". Dr. Crawford then introduced Dr. Paul Kulesa, Assistant Professor and Director of Imaging at the Stowers Institute for Medical Research in Kansas City, Missouri. Dr. Kulesa gave a presentation on "Into Another Dimension: Pushing Embryonic Imaging to 4D". Dr. Michael Crawford, Professor of Medicine, Chief of Clinical Cardiology at UCSF Medical Center at San Francisco, California, then gave the President's Lecture entitled "Response of the Left Ventricle to Exercise".

**Formal Reception and Black Tie Dinner at the Golf Club, Carmel Valley Ranch  
Thursday, January 12<sup>th</sup>, 2006, 7:00 p.m. - 11:00 p.m.**

There were approximately 130 members and guests who enjoyed a reception and black tie dinner held at the Golf Club at Carmel Valley Ranch. Dr. Crawford gave special recognition to Mike Gorman, who has attended the AUC meetings for over 20 years, and also thanked CV Therapeutics and Novartis for their contributions this year.

**Business Meeting, Friday, January 13<sup>th</sup>, 2006, 8:00 a.m. - 9:00 a.m.**

Dr. Michael Crawford called the meeting to order. The minutes of the 2005 meeting in Phoenix, Arizona were submitted as mailed to the membership and approved by those present at the Business Meeting.

Dr. Crawford called for a moment of silence for Drs. Peter Kuo, Harold Swan, James E. Doherty, and Harry Zinsser, all Emeritus members who passed away last year.

Dr. Harrison gave a financial report for the past year. He reported that the AUC began the year with a balance of \$61,579.15 and an ending balance of \$85,280.03. Dr. Harrison reports that the dues increase has helped to pay for the AUC meetings and to make our reliance on industry much less critical.

The Auditing Committee, Drs. Michael Cain and Gerald Naccarelli, reviewed the financial report for 2005 as of December 31, 2005. They reported that the books are in order.

Drs. William Barry and Donald Heisted formed a nominating committee for the election of officers. They put forward the nomination of David Harrison for Vice President, Ron Victor for Secretary Treasurer, and Alice Jacobs for the Council position that has become available. The motion to approve the new officers was approved by a majority of the membership. Dr. Peter Libby, as the former Vice President, will assume the Presidency and Dr. Michael Crawford will assume a role as Council member for one year replacing Dr. Linda Demer.

Dr. Crawford reports that there are membership openings at this time because during Dr. Harrison's tenure as Secretary Treasurer, the Council has been trying to strictly interpret the bylaws of the organization. Dr. Crawford would like to have a strong list of nominees to choose from at our next meeting. If you have a nominee, our nomination process is on the AUC website at: [www.aucard.org](http://www.aucard.org)

The slate of new members recommended by the Council was considered by the membership. Six candidates were recommended by the Council and accepted by the membership:

Robert McKinnon Califf, M.D., Duke University  
Jamie B. Conlt, M.D., University of Florida  
Richard A. Lange, M.D., Johns Hopkins  
Mandeep A. Mehra, M.D., University of Maryland  
Marc A. Pfeffer, M.D., Ph.D., Brigham & Women's  
Arshed A. Quyyumi, M.D., Emory University

Dr. Weissler gave a report from the Emeritus meeting. Before the Emeritus meeting began, several Emeritus members had a business meeting to discuss changing the leadership of the Emeritus Forum. Drs. Weissler and Berenson stepped down and Drs. Sid Goldstein and Michael Criley will lead the meetings for the next 2 years. Drs. Weissler and Berenson will retain the position as Councilors. The Emeritus members had a very active interchange of ideas. He would like for the entire membership to feel welcome to their presentations on Wednesday afternoons before the general meeting begins on Thursday. You don't have to be an Emeritus member to attend this meeting, all are welcome.

Discussion took place about who would present a memorial for deceased members and how to obtain the information in time for the meeting. It has been decided that the Secretary Treasurer's office will send a memo to all the membership in the September 1<sup>st</sup> mailing to identify members who passed away in the past year or two and ask for speakers to give the memorials (2-3 minute

presentations) at the next meeting. It was suggested that even if no one volunteered to give a memorial, the President would prepare a one minute tribute based upon material created by the deceased member's University or official obituary.

Dr. Crawford called attention to the next three meeting sites and reminded the members to make sure these dates are marked on their calendars:

January 11-12, 2007: Renaissance Vinoy Resort, St. Petersburg, Florida

January 10-11, 2008: Westin Kierland Resort & Spa, Scottsdale, Arizona

January 8-9, 2009: Carmel Valley Ranch, Carmel, California

Dr. Crawford asked for suggestions for sites for the 2010 meeting. A consensus was taken and it was decided to check into sites in Boca Raton, Florida.

No old or new business was discussed.

The leadership was transferred to Dr. Peter Libby.

The new officers for 2006 are:

President: Peter Libby, M.D.; Vice President: David Harrison, M.D.; Secretary-Treasurer: Ron Victor, M.D.; Past President: Michael Crawford, M.D.; Councilor: Blasé Carabello, M.D.; Councilor: Augustus Grant, M.D., Ph.D.; Councilor: Alice Jacobs, M.D.

2006-2007 AUC Membership:

Active:	110
Inactive:	8
Emeritus:	144

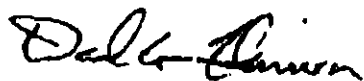
The business meeting was adjourned.

Second Scientific Session, Friday, January 13<sup>th</sup>, 9:00 a.m. -- 12:00 p.m.

Four papers were presented by new members and one paper was presented by an Emeritus member and well received. Discussions took place following each presentation.

The 45<sup>th</sup> Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Libby.

Respectfully submitted.



David G. Harrison, M.D.  
Secretary-Treasurer  
Association of University Cardiologists



**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**46<sup>th</sup> Annual Meeting**  
**Renaissance Vinoy Resort and Golf Club**  
**St. Petersburg, Florida**  
**January 11-12<sup>th</sup>, 2007**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting and an Emeritus meeting held at the Renaissance Vinoy on Wednesday, January 10th, 2007.

**Council Meeting, Wednesday, January 10th, 2007: 2:00 p.m. – 5:00 p.m.**

Present: President, Peter Libby, M.D.; Vice President, David G. Harrison, M.D.; Secretary-Treasurer, Ronald G. Victor, M.D.; Councilors, Alice Jacobs, M.D., Blasé Carabello, M.D., Augustus Grant, M.D.; Councilor and Past President, Michael Crawford, M.D.

The meeting was called to order by President Dr. Peter Libby at 2:00 PM.

The financial report for fiscal year 2006 was given by Secretary/Treasurer Dr. Ronald Victor. The financial projection for year 2007 was also presented by Dr. Victor. Discussion ensued about how to maintain financial independence from industry money by possibly raising dues, and a decision was tabled until after polling the members at the AUC Business Meeting.

Changes in membership status in 2006 for deaths, dropped members, and resignations were noted.

Dr. Beverly Lorell's request for change to Inactive status was approved.

The following members were changed to Emeritus status: Drs. R. Wayne Alexander, William Barry, Bernard Gersh, Ami E. Iskandrian, Sidney Smith, Richard Walsh, Arthur E. Weyman, and R. Sanders Williams.

Of the 17 Active members in jeopardy, 5 were dropped from the roster for too many absences, 10 were present at the meeting, and letters will be sent to the other 2 members who had excused absences to encourage their participation at the next meeting to maintain their membership in AUC.

The Council reviewed 25 candidates for membership. The Council recommended the following 21 of the 25 candidates for membership: Mark Anderson, Hugh Calkins, Luther Clark, Mark Creager, Louis Dell'Italia, Gary Gerstenblith, Gary Gibbons, Samuel Goldhaber, Joshua Hare, Judith Hochman, Craig Malloy, Holly Middlekauff, Anthony Muslin, Elizabeth Ofili, Patrick O'Gara, Pamela Ouyang, Paolo Raggi, Dan Simon, Anne Taylor, Joseph Vita, and Douglas Weaver.

Discussion took place regarding the 2010 and 2011 meeting sites. Dr. Libby will survey the members at the Friday morning Business Meeting to see if they would like to return to the Renaissance Vinoy in St. Petersburg in 2010. Due to the cost of the meetings in Arizona and the mediocre response of members to the venues there, members will also be asked about whether or not they want to return to Arizona for future meetings or if they would like to drop Arizona as a venue after the 2008 meeting and just alternate between Carmel, California, and someplace in Florida (possibly the Renaissance Vinoy).

Dr. Libby appointed a Nominating Committee consisting of Drs. Michael Crawford, Sidney Smith, and Donald Heistad to nominate the Vice President and Council members for 2007-2008. Dr. Libby also appointed an Auditing Committee consisting of Drs. Joseph Hill and Elliott Antman. The Nominating Committee will announce the candidates for Vice President and Council members at the Business Meeting on Friday morning. The Auditing Committee will give a full report of their findings at the Business Meeting on Friday morning.

The Council meeting was adjourned by Dr. Libby.

#### **Emeritus Session – Wednesday, January 10th, 3:00 p.m.-5:00 p.m.**

The 2007 Emeritus session featured 2 presentations:

”Selling Teaching Hospitals and Practice Plans: George Washington and Georgetown Universities” by John Kastor, University of Maryland School of Medicine.

“Big Pharma: The Good, the Bad, and the Ugly” by Jay N. Cohn, University of Minnesota Medical School.

There was also a **Clinical Case Presentation**, a topic suggested by one of our distinguished alumni, Howard Burchell. This presentation featured a virtual patient examined at the bedside with stethoscopes while observing timing cues from observations of precordial and neck pulsations, interpreting the ECG and chest radiograph, etc.

#### **Reception – Wednesday, January 10th, 2007, 6:00 p.m. – 8:00 p.m.**

The reception was held on the Mezzanine/Terrace of the Renaissance Vinoy and was attended by approximately 107 members and guests (compared to 65 the previous year).

#### **President’s Program – Thursday, January 11th, 2006, 8:45 a.m. – 12:00 p.m.**

Dr. Peter Libby, President of the Association, introduced Dr. Elizabeth G. Nabel, Director of the National Heart, Lung, and Blood Institute of the National Institutes of Health, Bethesda, Maryland. Dr. Nabel presented the 21st George Burch Memorial Lecture, “*Genomic Medicine and Cardiovascular Disease*”.

Dr. Libby then introduced Dr. James Balaban, Principal Investigator of the Lab of

Cardiac Energetics, NHLBI, Bethesda, Maryland. Dr. Balaban presented the Featured Lecture, “*Cardiovascular Molecular Imaging*”.

The President’s Lecture, “*The Molecular Basis of the Acute Coronary Syndromes*”, was presented by Dr. Peter Libby, Chief, CV Division, Brigham & Women's Hospital, Mallinckrodt Professor of Medicine, Harvard Medical School, Boston, MA.

**First Scientific Session, Thursday, January 11th, 1:00 p.m. – 5:00 p.m.**

*Presentation of papers by new members elected in 2006.*

*Isolation, Expansion and Delivery of Cardiac Derived Stem Cells in a Porcine Model of Myocardial Infarction*

Richard Lange, M.D., Professor of Medicine  
Vice Chief, Cardiology Division  
Johns Hopkins University School of Medicine

*Cardiac Resynchronization Therapy: Can We Make Our Heart Failure Patients Smarter?*

Jamie B. Conti, M.D., Associate Prof. of Medicine  
University of Florida College of Medicine

*Endothelial Cell Dysfunction and Repair in Humans*

Arshed A. Quyyumi, M.D., Professor of Medicine  
Emory University

*New Approaches to Translational Research: Lesson from Myocardial Infarction*

Marc A. Pfeffer, M.D., Ph.D., Prof. of Medicine  
Brigham and Women’s Hospital

*Peripheral Blood Gene Expression and Prediction of Cardiac Allograft Rejection: The Role of Dysregulated T-Cell and Corticosteroid Responsive Genes*

Mandeep R. Mehra, M.D., Professor of Medicine  
Head, Division of Cardiology  
University of Maryland School of Medicine

*Presentation of papers by new members elected in 2005*

*Assessment of Metabolism in the Human Heart*

Steven R. Bergmann, M.D., Ph.D.  
Professor of Medicine and Nuclear Medicine  
Beth Israel Medical Center

*Evidence for Individual Vulnerability to Ventricular Fibrillation Produced by Chest Wall Impact (Commotio Cordis)*

N. A. Mark Estes II, M.D., Prof. of Medicine  
Tufts New England Medical Center

**Reception and Black Tie Dinner, Plaza Ballroom, Renaissance Vinoy  
Thursday, January 11th, 2006, 7:00 p.m. – 11:00 p.m.**

There were approximately 130 members and guests who enjoyed a reception and black tie dinner. Dr. Libby gave special recognition to Mike Gorman, who has helped to garner financial support for the AUC and who has attended the AUC meetings for over 20 years, and Dr. Libby also thanked Otsuka and CV Therapeutics for their support this year.

**Business Meeting, Friday, January 12th, 2006, 8:00 a.m. – 9:00 a.m.**

Dr. Peter Libby called the meeting to order. The minutes of the 2006 meeting in Carmel, California, were submitted as mailed to the membership and approved by those present at the Business Meeting.

Drs. J. Michael Criley, Nancy Flowers, and Leo Horan compiled an overview of the past 45 years of the AUC which was presented in the style of Huntley/Brinkley.

Memorial minutes were reinstated this year and presented as follows:

Dr. Carl Apstein - memorial given by Dr. Thomas Ryan  
Dr. James J. Leonard - memorial given by Dr. James Shaver  
Dr. Leonard Scherlis - memorial given by Dr. Sidney Goldstein  
Dr. Eugene Stead- memorial given by Dr. Arnie Weissler

Secretary/Treasurer Dr. Ronald Victor gave a financial report for 2006. He reported that the AUC had a beginning 2006 balance of \$87,006.66 and an ending balance of \$88,820.88.

As proposed at the AUC Council meeting, Dr. Victor gave a short slide presentation projecting the AUC funding for the next few years with three scenarios. First, without industry support and at the present rate of dues, the Association would be able to continue for another three years. Second, if dues were raised from \$250 to \$350, the \$25,000 deficit would be cut in half and funding would last for five years. The third scenario, raising dues to \$450 per year for active members, would eliminate the deficit immediately and allow the AUC to be self-supporting.

A majority of the members present at the meeting were in favor of being independent and not relying on income from industry. There was much discussion about possible ways to raise revenue for the Association, including raising dues, instituting an initiation fee for new members, etc. Proposals for added value included CME sponsorship for the meeting and a slide repository on the website. The Council will consider all the input and notify members of their decision.

Dr. Joseph Hill gave the Auditing Committee report after reviewing the books for 2006. Everything was in order and there did not appear to be any areas where spending could be cut.

The Nominating Committee presented Dr. Blasé Carabello as nominee for Vice President and Drs. Kim Eagle and Elizabeth McNally for Council members. The nominees were approved by the general membership.

Dr. Libby called attention to the next three meeting sites and reminded the members to make sure these dates are marked on their calendars:

January 10-11, 2008: Westin Kierland Resort & Spa, Scottsdale, Arizona

January 8-9, 2009: Carmel Valley Ranch, Carmel, California

January, 7-8, 2010: After discussion to see if the members liked the Renaissance Vinoy in St. Petersburg, Florida, it was decided to return in 2010

Members discussed whether or not they wanted to continue to have meetings in Arizona. It was decided to wait until after the meeting in 2008 to see how much more expensive the meeting is than the meetings in Florida or California. The Arizona meetings might be dropped and the meeting would alternate between Florida and California.

Ballots were passed out to the Active members so they could vote on the 21 nominees recommended by the Council for acceptance into membership of the AUC. A count of the ballots showed that all 21 nominees had at least a  $\frac{3}{4}$  majority vote of the Active members present, and they will be accepted as new members.

There being no other old or new business, the leadership was transferred to Dr. David Harrison and the meeting was adjourned.

Total meeting attendance of AUC members was as follows:

Active Members - 51

Emeritus Members - 29

Inactive Members - 2

The officers for 2007 are:

President: David Harrison, M.D.

Vice President: Blasé Carabello, M.D.

Secretary-Treasurer: Ronald Victor, M.D.

Councilors::

Past President: Peter Libby, M.D.

Augustus Grant, M.D., Ph.D.

Alice Jacobs, M.D.  
Kim Eagle, M.D.  
Elizabeth McNally, M.D.

2007-2008 AUC Membership:

Active: 114  
Inactive: 8  
Emeritus: 143

**Second Scientific Session, Friday, January 12th, 9:00 a.m. – 12:00 p.m.**

*Circulating and Non-Circulating Forms of Tissue Factor Mediate Cardiovascular Disease*

Mark B. Taubman, M. D., Professor of Medicine  
Chair of Cardiology & Director CCMC  
University of Rochester  
Center for Cellular and Molecular Cardiology

*Evaluating Cardiac Fellows: A Survey of Cardiology Trainers and Suggestions for Improving the Process*

James Scheuer, M. D., Professor and Chairman Emeritus of Medicine  
Albert Einstein College of Medicine

*Effects of Nitroglycerin on Erythrocyte Rheology and Oxygen Unloading: Novel Role of S-Nitrosohemoglobin in Relieving Myocardial Ischemia*

Sanjiv Kaul, M.D., Chief, Cardiovascular Medicine,  
Oregon Health & Science University

*Efficacy of Angiotensin Receptor Blockade in Slowing Progression of Early Cardiovascular Disease*

Jay N. Cohn, M.D., Professor of Medicine  
University of Minnesota Medical School

*Recent Patterns of Racial Ethnic Disparities in Percutaneous Coronary Interventions*

Charles K. Francis, M.D.

*Changes in Hemodynamic Parameters from Childhood to Adulthood in a Biracial (Black- White) Population – A Crossover Phenomenon: The Bogalusa Heart Study*

Gerald S. Berenson, M.D., Emeritus Boyd Professor  
LSU Medical Center  
Director, National Center for Cardiovascular Health - Tulane University School of Public Health

Dr. Casscells made a last-minute presentation about his medical experiences as 4 months as an advisor to the Iraqi Health System.

The 46th Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Harrison.

Respectfully submitted,

Ronald G. Victor, M.D.  
Secretary-Treasurer  
Association of University Cardiologists

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**47th Annual Meeting**  
**Westin Kierland Resort & Spa**  
**Scottsdale, Arizona**  
**January 10-11th, 2008**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting and an Emeritus meeting held at the Westin Kierland Resort & Spa on Wednesday, January 9th, 2008.

**Council Meeting, Wednesday, January 9th, 2008: 2:00 p.m. – 4:05 p.m.**

Present: President, David G. Harrison, M.D.; Vice President, Blasé Carabello, M.D.; Secretary-Treasurer, Ronald G. Victor, M.D.; Councilors, Alice Jacobs, M.D., Kim Eagle, M.D., Elizabeth McNally, M.D., Augustus Grant, M.D.; Councilor and Past President, Peter Libby, M.D.

The meeting was called to order by President Harrison at 2:00 PM.

The financial report for fiscal year 2007 was given by Secretary/Treasurer Dr. Ronald Victor. The raise in dues as of 2007 has made the AUC almost completely financially independent. The financial projection for year 2008 was also presented by Dr. Victor.

Changes in membership status in 2007 for deaths (Ed Sonnenblick and J. Ray Pryor), dropped members (Mihai Gheorghiadu, Gregory G. Schwartz, Prediman K. Shah), and resignation (Elizabeth Nabel) were noted.

The following member was changed to Emeritus status: L. David Hillis.

Of the eleven Active members in jeopardy for nonattendance, 9 were present at the meeting, Gerald Pohost will be dropped from the roster for too many absences and nonpayment of dues for two years if he is not present at this meeting (he was not present), and a letter will be sent to David Hayes to encourage his participation at the next meeting to maintain his membership in AUC.

Members delinquent in their dues will be advised that their dues payment will be expected to be brought up to date if they want to maintain their AUC membership. Members who requested an excused absence for this meeting will not need an excused absence unless this would be their 3rd year in a row to be absent, and that was not the case with any of them.

The Council reviewed 17 candidates for membership. The Council recommended the following 11 of the 17 candidates for membership: Steven Archer, Emelia Benjamin, Peng-Sheng Chen, Daniel Garry, John Keaney, Benjamin Levine, David Moliterno, Steven Nissen, Lynne Warner Stevenson, William Stevenson, and Flordeliza Villanueva.

The Council voted to recommend Alice Jacobs to fill the vacant AUC position of Vice President. Dr. Carabello will assume the position of President.



Dr. Harrison appointed an Auditing Committee consisting of Drs. Augustus Grant and Michael Simons. The Auditing Committee will give a report of their review of the 2007 financial report at the Business Meeting on Friday morning.

Discussion took place regarding the 2011 meeting site. The members will be surveyed at the Friday morning Business Meeting to see if they would like to return to Arizona and if so what city would they like to consider.

The Council meeting was adjourned at 4:05 p.m. by Dr. Harrison.

### **Emeritus Session – Wednesday, January 9th, 3:00 p.m.-5:00 p.m.**

Members present at the 2008 Emeritus Session included:

Emeritus members: Jonathan Abrams, Robert J. Adolph, William H. Barry, Gerald Berenson, Melvin Cheitlin, Lawrence Cohen, J. Michael Criley, Marvin I. Dunn, Nancy Flowers, Sidney Goldstein, Donald C. Harrison, Leo Horan, Richard F. Leighton, Richard P. Lewis, Allyn Mark, Jere Mitchell, Elliot Rapaport, Thomas J. Ryan, James Scheuer, James A. Shaver, Arnold M. Weissler

Active members: G. William Dec, Jr., Holly R. Middlekauff, John D. Fisher

Inactive members: Beverly H. Lorell, James E. Muller

The 2008 Emeritus session featured 2 presentations:

1. **“From Eisenhower’s Heart Attack to Clinton’s Coronary Surgery - Pioneers Who Transformed the Practice of Cardiology in Our Lifetime: Charles Dotter and Andreas Gruntzig” presented by Allyn Mark.**

2. **“Revascularization in Our Time: Has it Lived Up to Its Promise?” presented by Thomas Ryan.**

New Business: Election of Emeritus Forum Co-Chairmen (for a two-year term) took place. Nominations were taken from the floor as well as from emails sent to Drs. Criley and Goldstein. Paper ballots were cast and the members present chose Dr. Lawrence Cohen and Dr. James Scheuer to serve the next two-year term (2008 and 2009). At the meeting in 2010, another election will take place. Drs. Goldstein and Criley will remain for two years as Councilors.

Another multimedia **“Virtual Patient Examination”** was presented by Michael Criley for discussion and interaction with the members featuring bedside examination (audio-video) with mouse-controlled stethoscope placement and heart sounds transmitted via Infrared stethophones. Case-Based ECG, X-Ray, echo, cath, and intra operative findings were available.

There being no further business, the meeting was adjourned at 5:00 p.m.

### **Reception – Wednesday, January 9th, 2008, 6:00 p.m. – 8:00 p.m.**

The reception was held in the Rainmaker's Ballroom of the Westin Kierland and was attended by approximately 137 members and guests (compared to 107 the previous year).

**President's Program – Thursday, January 10th, 2008, 8:45 a.m. – 12:00 p.m.**

Dr. David Harrison, President of the Association, introduced Dr. George A. Mensah, Director for Medical Affairs, CDC, Atlanta, Georgia. Dr. Mensah presented the 22nd George Burch Memorial Lecture, *"Emerging Cardiovascular Disease in the Third World"*.

Dr. Harrison then introduced Dr. Rick Kittles, Associate Professor, Genetic Medicine, The University of Chicago, Chicago, Illinois. Dr. Kittles presented the Featured Lecture, *"Race, Genomics and Disease"*.

The President's Lecture, *"Inflammation and Hypertension. A Novel Role of Adaptive Immunity"*, was presented by Dr. Harrison, Director, Division of Cardiology, Emory School of Medicine, Atlanta, Georgia.

**First Scientific Session, Thursday, January 10th, 1:00 p.m. – 5:30 p.m.**

Dr. Harrison presented those new members who were present and/or presenting abstracts:

**Mark Anderson**  
**Hugh Calkins**  
**Louis Dell'Italia**  
**Mark Creager**  
**Gary Gerstenblith**  
**Gary Gibbons**  
**Samuel Z. Goldhaber**  
**Josh Hare**  
**Judith Hochman**

**Craig Malloy**  
**Holly Middlekauff**  
**Anthony Muslin**  
**Patrick O'Gara**  
**Paolo Raggi**  
**Daniel Simon**  
**Anne Taylor**  
**Joseph Vita**

Drs. Dell'Italia and Taylor were unable to attend at the last minute, but their abstracts were included as "read only" in the program. They will try to present next year.

*Presentation of abstracts by new members:*

*Effects of Ischemia On Flux Through a Single Enzyme-Catalyzed Reaction In the Heart by Noninvasive Detection of  $^{13}\text{CO}_2$  and  $[^{13}\text{C}]$  Bicarbonate*

**Craig R. Malloy**, M.D., Professor of Internal Medicine, Professor of Radiology, UT Southwestern Medical Center, Medical Director, Advanced Imaging Research Center

*Platelet Expression Profiling, MRP-14, and Cardiovascular Events*

**Daniel I. Simon**, MD, FACC, FAHA, FSCAI  
Chief, Division of Cardiovascular Medicine  
Director, Heart & Vascular Institute University Hospitals Case Medical Center  
Director, Case Cardiovascular Center  
Case Western Reserve University School of Medicine

*Calmodulin-Dependent Protein Kinase II Signaling in Heart*

**Mark E. Anderson**, M.D., Ph.D., University of Iowa Carver College of Medicine, Iowa City, IA

*Vascular Age and Cardiovascular Risk*

**Gary Gerstenblith**, M.D., Professor of Medicine  
Johns Hopkins University School of Medicine

*Rho/Rho Kinase Inhibition and Endothelial Function in Humans with Atherosclerosis*

**Mark Creager**, M.D., Professor of Medicine  
Director, Vascular Center  
Brigham and Women's Hospital

*Muscle Mechanoreceptor Sensitivity in Heart Failure*

**Holly R. Middlekauff**, M.D.  
Professor of Medicine and Physiology  
David Geffen School of Medicine  
University of California at Los Angeles

*PCI of Occluded Infarct Related Arteries Late Post Myocardial Infarction Does Not Improve Clinical Outcomes*

**Judith Hochman**, M.D.,  
Clinical Chief of Cardiology  
Director, Cardiovascular Clinical Research  
Harold Snyder Family Professor of Cardiology

*Physical Inactivity Rapidly Induces Insulin Resistance and Microvascular Dysfunction in Healthy Volunteers*

**Joseph A. Vita**, M.D.  
Professor of Medicine  
Director, Clinical Research  
Department of Medicine  
Section of Cardiology, Boston Medical Center

*Race, Ethnicity and Clinical Trials: What Have We Learned? What Should We Do?*

**Anne L. Taylor**, M.D. (Canceled, read only)  
Vice Dean, Academic Affairs  
Columbia University Medical Center  
College of Physicians and Surgeons

**Read only**

*The Association of Endogenous Sex Hormones and the Metabolic Syndrome in Men and Women: The Multi-Ethnic Study of Atherosclerosis (MESA)*

**Pamela Ouyang**, M.D.

*Obesity is a Determinant of Left Ventricular Remodeling in Young Adults: Bogalusa Heart Study*

**Gerald Berenson**, M.D.

**Reception and Black Tie Dinner, Rainmaker's Ballroom, Westin Kierland**  
**Thursday, January 10th, 2008, 7:00 p.m. – 11:00 p.m.**

There were approximately 157 members and guests who enjoyed a reception and black tie dinner (compared to 130 last year). Dr. Harrison thanked Otsuka and CV Therapeutics for their continued support.

**Business Meeting, Friday, January 11th, 2008, 8:00 a.m. – 9:00 a.m.**

Dr. David Harrison called the meeting to order. The minutes of the 2007 meeting in St. Petersburg, Florida, were submitted as mailed to the membership and approved by those present at the Business Meeting.

Drs. J. Michael Criley, Nancy Flowers, and Leo Horan were recognized and thanked for their compilation of a history book of over 46 years of the AUC which was presented to all those members in attendance. The book will be mailed to the rest of the members.

Memorial minutes were presented as follows:

Dr. Ed Sonnenblick - memorial given by Dr. James Scheuer

Dr. J. Ray Pryor - memorial given by Dr. Peter Buttrick

Secretary/Treasurer Dr. Ronald Victor gave a financial report for 2007. He reported that the AUC had a beginning 2007 balance of \$88,820.88 and an ending balance of \$127,393.47.

Dr. Victor gave a short slide presentation showing the almost completely eliminated deficit in AUC funding now that the dues has been raised to \$450/year per active member, allowing AUC to become self-supporting.

Dr. Simons gave the Auditing Committee report after reviewing the books for 2007. Everything was in order and there did not appear to be any areas where spending could be cut.

Dr. Victor polled the members about their choice of venues for the 2011 meeting. It was decided that the 2011 meeting should remain in Scottsdale, Arizona. Dr. Victor was tasked with finding another venue in Scottsdale for the 2011 meeting. There was also a suggestion to look into perhaps returning to the Quail Valley Lodge in Carmel, CA, for the next California meeting, which would be in 2014, and Dr. Victor will look into the cost and bring this information to the AUC meeting next year in Carmel for the members to vote on.

The next three meetings will be as follows:

January 8-9, 2009: Carmel Valley Ranch, Carmel, CA

January 7-8, 2010: Renaissance Vinoy in St. Petersburg, FL

January 6-7, 2011: Location to be named in Scottsdale, AZ

Dr. Harrison presented Alice Jacobs' name as the Council's recommendation to replace Blasé Carabello as Vice President for 2008-9. Dr. Jacobs was approved by the general membership who was present.

Ballots were passed out to the Active members so they could vote on the 11 nominees recommended by the Council for acceptance into membership of the AUC. A count of the ballots showed that all 11 nominees had at least a  $\frac{3}{4}$  majority vote of the Active members present, and they will be accepted as new members. The new members are:

Steven Archer  
Emelia Benjamin  
Peng-Sheng Chen  
Daniel Garry  
John Keaney  
Benjamin Levine

David Moliterno  
Steven Nissen  
Lynne Warner Stevenson  
William Stevenson  
Flordeliza Villanueva

There being no other business, the leadership was transferred to Dr. Blasé Carabello and the meeting was adjourned.

Total meeting attendance of AUC members (as taken from the sign-in roster book) was as follows:

Active Members - 68  
Emeritus Members - 26  
Inactive Members - 3

The officers for 2008 are:

President: Blasé Carabello, M.D.  
Vice President: Alice Jacobs, M.D.  
Secretary-Treasurer: Ronald Victor, M.D.  
Councilors:  
Past President: David Harrison, M.D.  
Augustus Grant, M.D., Ph.D.  
Kim Eagle, M.D.  
Elizabeth McNally, M.D.

2008-2009 AUC Membership:

Active: 124  
Inactive: 5  
Emeritus: 147

**Second Scientific Session, Friday, January 11th, 9:00 a.m. – 12:00 p.m.**

*Continuation of presentation of abstracts by new members:*



*Behavior Modification to Reduce In-Hospital and  
Community-Acquired Venous Thromboembolism*  
**Samuel Z. Goldhaber**, M.D., Professor of Medicine

Cardiovascular Division, Brigham and Women's Hospital; Harvard Medical School  
*Differential Effect of Atherosclerosis Burden in Four Races*  
**Paolo Raggi**, M.D., Prof. of Medicine and Radiology, Director, Cardiac CT Section,  
Emory Clinic

*Infective Endocarditis 2008*

**Patrick T. O'Gara**, M.D., Associate Professor of Medicine, Cardiovascular Division  
Brigham and Women's Hospital

*Mesenchymal Stem Cell Therapy Restores Cardiac Stem Cell Niches After Acute  
Myocardial Infarction*

**Joshua M. Hare**, M.D., Louis Lemberg Professor of Medicine, Chief, Cardiovascular  
Division; Director, Interdisciplinary Stem Cell Institute  
Miller School of Medicine, University of Miami

*Extensive Downregulation of Matrix Scaffolding Genes and TGF- $\beta$  in Isolated Mitral  
Regurgitation in the Dog*

**Louis J. Dell'Italia**, M.D., Professor of Medicine (Canceled, read only)  
Director, Center for Heart Failure Research  
University of Alabama at Birmingham

*RGS3 and RGS4 Regulate Cardiac Growth and Function*

**Anthony J. Muslin**, M.D., Professor of Medicine  
Center for Cardiovascular Research  
Washington University School of Medicine

The 47th Annual Scientific Session of the Association of University Cardiologists was  
then concluded by Dr. Carabello.

Respectfully submitted,

Ronald G. Victor, M.D.  
Secretary-Treasurer  
Association of University Cardiologists

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**48th Annual Meeting**  
**Carmel Valley Ranch**  
**Carmel, California**  
**January 7-9, 2009**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting and an Emeritus meeting Wednesday, January 7th, 2009.

**Council Meeting, Wednesday, January 7th, 2009: 2:00 p.m. – 4:30 p.m.**

Present: President, Blase Carabello, M.D.; Secretary-Treasurer, Ronald G. Victor, M.D.; Councilors, Elizabeth McNally, M.D., and Kim Eagle, M.D., Councilor and Past President, David G. Harrison, M.D.

Absent: Alice Jacobs, M.D., Augustus Grant, M.D.

The meeting was called to order by President Carabello at 2:00 PM.

The financial report for fiscal year 2008 was given by Secretary-Treasurer Victor. The financial projection for year 2009 was also presented by Dr. Victor. There was some discussion about investing some of the balance remaining in the AUC account, or using some of the money for something like an AUC textbook or slide repository. The decision was made not to spend funds in the coming year to be sure the AUC would have enough funds available to cover 2 annual meetings if there was no income from pharma.

Deaths of the following AUC members were noted: Ernest Craige, W. Proctor Harvey, J. Ward Kennedy, Michael Lesch, Richard P. Lewis, and Oglesby Paul.

Membership changes the Council voted positively on were: Change to Inactive status for Pascal Goldschmidt and Michael Cain.

Dr. Prediman Shah requested reinstatement, and the Council granted his request contingent upon Dr. Shah attending the meeting next year in St. Petersburg, presenting an abstract at that meeting, and becoming current with his dues. A letter will be sent notifying him of this decision.

The following members were accepted for Emeritus status: Michael Crawford, John D. Fisher, Marvin L. LeWinter, George W. Vetrovec, and David O. Williams.

Of the thirteen Active members in jeopardy for nonattendance, 10 were present at the meeting (Roberto Bolli, Michael Cain, Arthur Feldman, David Hayes, Richard Kitsis, Marvin Konstam, Bruce Liang, Douglas Mann, Gordon Tomaselli, and James Weiss) and no further action was taken by the Council regarding these members. Three members (Bruce Lerman, Michael Mendelsohn, and David Wilber) whose membership was also in jeopardy had planned to attend the 2009 meeting but, due to extenuating circumstances, were unable to come. A letter will be sent to each of them continuing their membership contingent upon them presenting an abstract at the 2010 meeting January 7-8, 2010, at

the Renaissance Vinoy Resort in St. Petersburg, Florida, and having their dues up to date.

The Council acted positively on Dr. Weyman's request (Emeritus member after 2006) to have his dues become optional with the understanding that he would pay dues for any year he plans to attend an AUC meeting to help defray the costs of the meeting.

The Council reviewed 11 candidates for membership. At the AUC Business Meeting Friday, the Council will recommend the following seven candidates for membership: Steven R. Bailey, C. Noel Bairey Merz, Craig T. Basson, Anne B. Curtis, Peter Ganz, Dan Mark Roden, and Lawrence Young.

Dr. Carabello will appoint a Nominating Committee to fill the positions of President, Secretary-Treasurer, and 2 Councilors (Dr. Jacobs asked to remain as Vic-President for one more year instead of being asked to fill the Presidency position).

Dr. Carabello will appoint an Auditing Committee to review the AUC books and give a report at the Business Meeting on Friday morning.

Discussion took place regarding the 2012 meeting site and dates. The date for the annual AUC meeting has, for a number of years, been set prior to the ACC meeting held in Snowmass; however, due to renovations going on in Snowmass, the ACC has not set a date for their meeting in 2012. The members will be surveyed at the Friday morning Business Meeting to see if January 11-13, 2012, would be acceptable as the dates for the 2012 AUC meeting and if they would like to return to the Carmel Valley Ranch.

There being no further business, the Council meeting was adjourned at 4:30 p.m. by Dr. Carabello.

### **Emeritus Session – Wednesday, January 7th, 3:00 p.m.-5:00 p.m.**

Members present at the 2009 Emeritus Session included:

Emeritus members: Jonathan Abrams, Melvin Cheitlin, Lawrence Cohen, J. Michael Criley, James Dalen, Rolf Gunnar, E. William Hancock, Donald C. Harrison, Donald D. Heistad, Carl V. Leier, Allyn L. Mark, Jere H. Mitchell, Joseph K. Perloff, Elliot Rapaport, Robert Roberts, James Scheuer, James A. Shaver

Active members: Emelia Benjamin, William Dec, Jr., David R. Holmes, Jr., Allan S. Jaffe

The meeting was presided over by Drs. Cohen and Scheuer.

The 2009 Emeritus session featured 2 presentations:

1. Dr. Joseph Perloff, “ **Congenital Heart Disease in the Adult: Lessons Learned in our Lifetime.**”  
  
Discussion.
2. Dr. Robert Roberts, “ **The Importance of Molecular Medicine to Modern Cardiology**”.



Discussion.

Old or New Business: None

There being no further business, the meeting was adjourned at 5:00 p.m.

**Reception – Wednesday, January 7th, 2009, 6:00 p.m. – 8:00 p.m.**

The reception was held in the Clubhouse of the Carmel Valley Ranch and was attended by approximately 145 members and guests (compared to 137 the previous year).

**President's Program – Thursday, January 8th, 2009, 8:45 a.m. – 12:00 p.m.**

Dr. Carabello, President of the Association, introduced Dr. Eugene Braunwald, Chairman, TIMI Study Group, Brigham and Women's Hospital, and Distinguished Hersey Professor of Medicine, Harvard Medical School. Dr. Braunwald presented the 23rd George Burch Memorial Lecture, "Adventures in Cardiovascular Research".

Dr. Carabello then introduced Dr. Steven Bailey, Professor of Medicine and Radiology, Chief, Division of Cardiology, University of Texas Health Science Center at San Antonio. Dr. Bailey presented the Featured Lecture, "*Nanotechnology: Applications in the Diagnosis and Treatment of Cardiovascular Disease*".

The President's Lecture, "*Valvular Heart Disease: Nature's Experiments in Left Ventricular Hypertrophy*", was presented by Dr. Carabello, Houston Veterans Affairs Medical Center, Houston, Texas.

**First Scientific Session, Thursday, January 8th, 1:00 p.m. – 5:00 p.m.**

Dr. Carabello presented those new members who were present and/or presenting abstracts:

Emelia Benjamin	Peng-Sheng Chen
Daniel Garry	David Hayes (2005)
John Keaney	Benjamin Levine
David Moliterno	Lynne Stevenson
William Stevenson	

Drs. Taylor and Mendelsohn were unable to attend at the last minute. Dr. Criley presented his abstract in the time slot reserved for Dr. Taylor for Thursday afternoon.

*Presentation of abstracts:*

*Suppression of the JNK Pathway by Induction of a Metabolic Stress Response Prevents Vascular Injury and Dysfunction*

**John F. Keaney, Jr.**, M.D., Professor of Medicine, Chief, Division of Cardiovascular Medicine, U Mass Medical School and U Mass Memorial Health Care

*A Platelet Thrombin Receptor-1 Antagonist for Patients Undergoing Non-urgent Percutaneous Coronary Intervention*

**David J. Moliterno, MD, ,** Professor & Vice Chair of Medicine, Chief, Cardiovascular Medicine, University of Kentucky School of Medicine

*Remote Testing of Cardiac Examination Competency in Faculty Cardiologists*

**John Michael Criley MD,** Jasminka M. Vukanovic-Criley MD, Arsen Hovanesyan MD, Stuart Ross Criley MBA, **Thomas Ryan MD,** Gary Plotnick MD, Keith Mankowitz MD, and **C. Richard Conti MD**

*“Aging, Fitness and Failure”: Effects of Age and Physical Activity on Cardiovascular Structure and Function*

**Benjamin D. Levine, M.D.,** Professor of Medicine, Director, Institute for Exercise and Environmental Medicine, Presbyterian Hospital of Dallas, and UT Southwestern Medical Center

*Cardiac Resynchronization Therapy: Current Status and Role of Imaging*

**David Hayes, M.D.,** Professor of Medicine, Mayo Clinic

*Development of a Risk Score for Atrial Fibrillation in the Community; The Framingham Heart Study*

**Emelia J. Benjamin, M.D.,** Professor of Medicine, Boston University School of Medicine; Professor of Epidemiology, Boston University School of Public Health; Director, Echocardiography Laboratory, The Framingham Heart Study

*Neural Mechanisms of Paroxysmal Atrial Fibrillation and Paroxysmal Atrial Tachycardia in Ambulatory Canines*

**Peng-Sheng Chen, M.D.,** Medtronic Zipes Chair in Cardiology; Director, Krannert Institute of Cardiology; Chief, Division of Cardiology, Department of Medicine, Indiana University School of Medicine

**Reception and Black Tie Dinner, Ballroom**

**Thursday, January 8th, 2009, 7:00 p.m. – 11:00 p.m.**

There were approximately 157 members and guests who enjoyed a reception and black tie dinner (also approximately 157 last year). Dr. Carabello thanked Otsuka and CV Therapeutics for their continued support. Mike Gorman was also thanked for his continued, untiring support of the AUC.

**Business Meeting, Friday, January 9th, 2009, 8:00 a.m. – 9:00 a.m.**

Dr. Carabello called the meeting to order. The minutes of the 2008 meeting in Scottsdale, Arizona, were submitted as mailed to the membership and approved by those present at the Business Meeting.

Memorial minutes were presented as follows:

Dr. Richard P. Lewis – memorial given by Dr. Carl Leier  
Dr. Michael Lesch – memorial given by Dr. Larry Cohen  
Dr. Ernest Craige – memorial given by Dr. William Grossman  
Dr. Oglesby Paul – memorial given by Dr. Elliott Antman  
Dr. W. Proctor Harvey – memorial given by Dr. Blase Carabello  
Dr. J. Ward Kennedy – memorial given by Dr. Blase Carabello

Secretary/Treasurer Dr. Ronald Victor gave a financial report for 2008. He reported that the AUC had a beginning 2008 balance of \$126,845.92 and an ending balance of \$151,135.40.

Dr. Victor gave a short slide presentation showing the meeting attendance for the last several years. There has been a big jump in attendance in 2008 and 2009. Dr. Victor also raised the issue of the 2012 meeting. The members affirmed that they would like to return to the Carmel Valley Ranch and that the dates would be January 12-13, 2012.

The next three meetings will be as follows:

January 7-8, 2010: Renaissance Vinoy in St. Petersburg, FL

January 6-7, 2011: Arizona Biltmore, Phoenix, AZ (AUC 50<sup>th</sup> anniversary meeting)

January 12-13, 2012: Carmel Valley Ranch, Carmel, CA

Dr. Mark gave the Auditing Committee report after reviewing the books for 2008. Everything was in order.

The Nominating Committee (Drs. Cohen, Crawford, and Vetrovic) presented the following list of candidates to fill the Council vacancies:

President – Ronald Victor

Secretary - Treasurer – Kim Eagle

Councilors – Joseph Hill and Peter Buttrick

Nominees were accepted by acclamation of the members present.

Ballots were passed out to the Active members so they could vote on the 7 nominees recommended by the Council for acceptance into membership of the AUC. A count of the ballots showed that all 7 nominees had at least a  $\frac{3}{4}$  majority vote of the Active members present, and they will be accepted as new members. The new members are:

Steven R. Bailey

Craig T. Basson

Peter Ganz

Lawrence Young

C. Noel Bairey Merz

Anne B. Curtis

Dan Mark Roden

There being no other business, the leadership was transferred to Dr. Ronald Victor, who presented Blase Carabello with an engraved gavel in appreciation of his tenure as AUC President for 2008-9, and the meeting was adjourned.

Total meeting attendance of AUC members (as taken from the sign-in roster book) was as follows:

Active Members - 56

Emeritus Members - 25

Inactive Members - 2

The officers for 2009 are:

President: Ronald Victor, M.D.  
Vice President: Alice Jacobs, M.D.  
Secretary-Treasurer: Kim Eagle, M.D.  
Councilors:  
Past President: Blase Carabello, M.D.  
Elizabeth McNally, M.D. (year 3 of 3)  
Joseph Hill, M.D. (year 1 of 3)  
Peter Buttrick, M.D. (year 1 of 3)

2009-2010 AUC Membership:

Active:	125
Inactive:	7
Emeritus:	<u>146</u>
Total membership:	278

**Second Scientific Session, Friday, January 9th, 9:00 a.m. – 12:00 p.m.**

*Continuation of presentation of abstracts*

*Nkx2-5 transactivates Etsrp71 and specifies the endocardial lineage in the developing heart*

**Daniel J. Garry**, M.D., Professor of Medicine, Director, Lillehei Heart Institute; Director, Cardiovascular Division, University of Minnesota

*Can We ESCAPE From Congestion?*

**Lynne Warner Stevenson**, M.D., Professor of Medicine, Clinical Director, Cardiomyopathy and Heart Failure Program, Brigham and Women's Hospital

*Ventricular Scars and Ventricular Tachycardia*

**William G. Stevenson**, M.D., Professor of Medicine, Harvard Medical School; Director, Clinical Cardiac Electrophysiology Program, Brigham and Women's Hospital

*Adenosine Receptors and Heart Failure – New Insights from Transgenic Models*

**Arthur E. Feldman**, M.D., Ph.D., Magee Professor and Chairman, Department of Medicine, Jefferson Medical College

The 48th Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Victor.

Respectfully submitted,  
Ronald G. Victor, M.D.  
President 2009-10 and outgoing Secretary-Treasurer  
Association of University Cardiologists

**ASSOCIATION OF UNIVERSITY CARDIOLOGISTS**  
**49th Annual Meeting**  
**Renaissance Vinoy Resort**  
**St. Petersburg, FL**  
**January 6-8, 2010**

**Minutes**

The annual meeting of the Association of University Cardiologists was preceded by a Council meeting and an Emeritus meeting Wednesday, January 6th, 2010.

**Council Meeting, Wednesday, January 6th, 2010: 2:00 p.m. – 5:00 p.m.**

Present: President, Ronald G. Victor, M.D.; Vice-President. Alice Jacobs, M.D., Secretary-Treasurer, Kim A. Eagle, M.D.; Councilors, Elizabeth McNally, M.D., and Joseph Hill, M.D.

Absent: Blasé Carabello, M.D., Peter Butterick, M.D.

The meeting was called to order by President Victor at 2:00 PM.

The financial report for fiscal year 2008 was given by Secretary-Treasurer Kim Eagle. The financial projection for year 2009 was also presented by Dr. Eagle.

Deaths of the following AUC members were noted: James Alexander, Kenneth Baughman, Henry McIntosh, and Yang Wang.

Membership changes the Council voted positively on were the following:

The following members were accepted for Emeritus status: Jeffrey Anderson, Robert Bonow, Jeffrey Borer, Blasé Carabello, Richard Devereux, James Marsh, and Joshua Wynne.

Of the 25 Active members in jeopardy for nonattendance, 16 were present at the meeting (Steven Bergmann, Samuel Casscells, Jamie Conti, John DiMarco, David Gutterman, David Kass, Bruce Lerman, Mandeep Mehra, Michael Mendelsohn, Michael Parmacek, Cam Patterson, Mark Pfeffer, Arshed Quyyumi, PK Shah, Richard Smalling, and David Wilber) and no further action was taken by the Council regarding these members. One member (Glenn Fishman) whose membership was also in jeopardy had planned to attend the 2010 meeting but, due to extenuating circumstances, was unable to come. Seven members (Luther Clark, Louis Dell'Italia, Sanjiv Kaul, Elizabeth O'Fili, Pamela Ouyang, Marshall Runge and Anne Taylor) whose membership was in jeopardy, were unable to attend. A letter will be sent to them continuing their membership contingent upon their presenting an abstract at the 2011 meeting January 6-7, 2011, at the Arizona Biltmore in Phoenix, Arizona, and having their dues up to date. One member (Daniel Kelly) resigned his membership.

The Council reviewed eight candidates for membership. At the AUC Business Meeting Friday, the Council will recommend the following seven candidates for membership Brian Annex, Deepak Bhatt, Samuel Dudley, Chris Kramer, Jeffrey Olgin, Douglas Sawyer and Peter Stone.

Dr. Victor will appoint a Nominating Committee to fill the positions of President, Vice-President, and 2 Councilors.

Dr. Victor will appoint an Auditing Committee to review the AUC books and give a report at the Business Meeting on Friday morning.

Discussion took place regarding the 2013 meeting site and dates.

There being no further business, the Council meeting was adjourned at 5:00 p.m. by Dr. Victor.

### **Emeritus Session – Wednesday, January 6th, 3:00 p.m.-5:00 p.m.**

Members present at the Emeritus Session included:

Emeritus members: Robert Adolph, William Barry, Gerald Berenson, Lawrence Cohen, Jay Cohn, John Fisher, Nancy Flowers, William Gaasch, Peter Gazes, Bernard Gersh, Donald Heistad, Leo Horan, , Allyn L. Mark, Robert Marshall, James Scheuer, James Shaver, Arnold Weissler.

Active members: Samuel Casscells, Mark Creager, Joshua Hare, Mandeep Mehra, Michael Mendelson, James Morgan, Lynne Stevenson, Douglas Weaver.

The meeting was presided over by Drs. Cohen and Scheuer.

The 2010 Emeritus session featured 2 presentations:

1. Dr. Bernard Gersh, “**Forty Years After Framingham: Global Implications of the Epidemic of Cardiovascular Disease in the Developing World**”.

Discussion.

1. Dr. John Fisher, “**Overview of Clinical Electrophysiology Circa 2010**”.

Discussion.

Old or New Business: Nominations for planning the 2011 and 2012 Emeritus Meetings  
Nominees: R. Wayne Alexander, Bernard Gersh, and Fran Klocke. Lawrence Cohen asked for additional nominees. Gerald Berenson made the motion to accept all three nominees. Arnold Weissler moved to close the nomination and take a vote. Dr. Cohen requested a vote. All in favor, vote passed. Dr. Cohen will contact the newly elected.

**Reception – Wednesday, January 6th, 2010, 6:00 p.m. – 8:00 p.m.**

The reception was held in the Mezzanine Terrace of the Renaissance Vinoy and was attended by approximately 118 members and guests (compared to 145 the previous year).

**President's Program – Thursday, January 7th, 2010, 8:45 a.m. – 12:00 p.m.**

Dr. Victor, President of the Association, introduced Dr. Eric Olson, Robert A. Welch Distinguished Chair in Science at UT Southwestern Medical Center at Dallas. Dr. Olson presented the 24th George Burch Memorial Lecture, “*MicroRNA Control of Cardiovascular Development and Disease*”.

Dr. Victor then introduced Dr. Allyn Mark, Carver Professor of Medicine, University of Iowa in Iowa City. Dr. Mark presented the Featured Lecture, “*A Cardiologist Confronts Obesity*”.

The President's Lecture, “*Muscle Ischemia in Muscular Dystrophy: Translational Research from Mice to Men*”, was presented by Dr. Victor, Heart Institute, Cedars-Sinai Medical Center, Los Angeles, CA

**First Scientific Session, Thursday, January 8th, 1:00 p.m. – 5:00 p.m.**

Dr. Victor presented those new members who were present and/or presenting abstracts:

Craig Basson  
Anne Curtis  
Dan Roden

Steven Bailey  
C. Noel Bairey Merz  
Lawrence Young

Dr. Ganz was unable to attend.

*Presentation of abstracts:*

*Pleiotropine (PTN) Reprograms Macrophages into Functional Endothelial Cells and is Expressed in Vascularized Human Atherosclerotic Plaques: IFN- $\gamma$ /JAK/STAT1 Signaling is Critical for the Expression of PTN in Macrophages*

**P.K. Shah**, MD, Director, Division of Cardiology and Atherosclerosis Research Center, Cedars-Sinai Heart Institute

*Statin Therapy for the Prevention of Atrial Fibrillation*

**Anne B. Curtis**, MD, , Professor of Medicine, Chief, Division of Cardiology, Director, Cardiovascular Services, University of South Florida

*Transcription Regulation of Coronary Blood Vessel Development*

**Craig T. Basson**, MD, Professor, Director, Cardiovascular Research, Weill Medical College of Cornell University

*Molecular and Cellular Imaging Using Ultrasound Contrast Agents*

**Flordeliza S. Villaneuva**, M.D., Associate Professor of Medicine, Director, NonInvasive Cardiovascular Imaging , Director, Center for Ultrasound Molecular Imaging & Therapeutics, University of Pittsburgh Medical Center

*Sex/Gender Differences in CVD – A Model for Translation to Improved Outcomes*

**C. Noel Bairey-Merz**, M.D., Professor of Medicine, Medical Director, Preventive and Rehabilitative Cardiac Center, Women's Heart Center, Cedars-Sinai Medical Center

*Role of the Epicardium in NonIschemic Ventricular Tachycardia*

**David J. Wilber**, M.D., Professor of Medicine, Director, Division of Cardiology& Cardiovascular Institute, Loyola University Medical Center

*Rethinking Resynch: It More than Meets the Eye*

**David A. Kass**, M.D., Professor of Medicine and Biomedical Engineering, Johns Hopkins University School of Medicine

**Reception and Black Tie Dinner, Ballroom**

**Thursday, January 7th, 2010, 7:00 p.m. – 11:00 p.m.**

There were approximately 140 members and guests who enjoyed a reception and black tie dinner (157 last year).

**Business Meeting, Friday, January 8th, 2010, 8:00 a.m. – 9:00 a.m.**

Dr. Victor called the meeting to order. The minutes of the 2009 meeting in Carmel, California, were submitted as mailed to the membership and approved by those present at the Business Meeting.

Memorial minutes were presented as follows:

Dr. James Alexander – memorial given by Dr. William Gaasch

Dr. Yang Wang – memorial given by Dr. Robert Marshall

Dr. Henry McIntosh – memorial given by Dr. C. Richard Conti

Dr. Kenneth Baughman – memorial given by Dr. Joshua Hare

Secretary/Treasurer Dr. Kim Eagle gave a financial report for 2009. He reported that the AUC had a beginning 2009 balance of \$151,135.40 and an ending balance of \$151,623.02

Dr. Eagle gave a short slide presentation showing the meeting attendance for the last several years. Attendance for the 2010 meeting was 95 members.

The next two meetings will be as follows:



January 6-7, 2011: Arizona Biltmore, Phoenix, AZ (AUC 50th anniversary meeting)  
January 12-13, 2012: Carmel Valley Ranch, Carmel, CA

Dr. Heistad gave the Auditing Committee report after reviewing the books for 2009.  
Everything was in order.

The Nominating Committee presented the following list of candidates to fill the Council vacancies:

President – Alice Jacobs  
Vice President – Joseph Hill  
Councilors – Jeffrey Bender and Ivor Benjamin

Nominees were accepted by acclamation of the members present.

Ballots were passed out to the Active members so they could vote on the 7 nominees recommended by the Council for acceptance into membership of the AUC. A count of the ballots showed that all 7 nominees had at least a  $\frac{3}{4}$  majority vote of the Active members present, and they will be accepted as new members. The new members are:

Brian Annex  
Samuel Dudley  
Jeffrey Olgin  
Peter Stone

Deepak Bhatt  
Chris Kramer  
Douglas Sawyer

There being no other business, the leadership was transferred to Dr. Alice Jacobs, who presented Ronald Victor with a gavel in appreciation of his tenure as AUC President for 2009-10, and the meeting was adjourned.

Total meeting attendance of AUC members (as taken from the sign-in roster book) was as follows:

Active Members - 67  
Emeritus Members - 27  
Inactive Members - 2

The officers for 2010 are:

President: Alice Jacobs, M.D.  
Vice President: Joseph Hill, M.D.  
Secretary-Treasurer: Kim Eagle, M.D.  
Councilors:  
Past President: Ronald Victor, M.D.  
Jeffrey Bender, M.D. (year 1 of 3)  
Ivor Benjamin, M.D. (year 1 of 3)

Peter Buttrick, M.D. (year 2 of 3)

2009-2010 AUC Membership:

Active:	121
Inactive:	7
Emeritus:	<u>154</u>
Total membership:	282

**Second Scientific Session, Friday, January 8th, 9:00 a.m. – 12:00 p.m.**

*Continuation of presentation of abstracts*

*Molecular Mechanisms Regulating Vascular Tone and Blood Pressure*

**Michael E. Mendelsohn**, M.D., Elisa Kent Mendelsohn Professor of Molecular Cardiology and Medicine, Tufts University School of Medicine

*Dabigatran versus Warfarin in Patients With Atrial Fibrillation*

**Michael Ezekowitz**, M.D., Ph.D., Vice President, Lankenau Institute for Medical Research, Vice President, Clinical Research, Main Line Hospitals

*Dysregulation of G-Protein Signaling and Right Ventricular Outflow Tract Tachycardia*

**Bruce B. Lerman**, M.D., Chief, Division of Cardiology, Director, Cardiac Electrophysiology Laboratory, Weill Medical College of Cornell University

*Intrinsic Cardiac Nerve Activities and the Spontaneous Onset of Atrial Tachycardia*

**Peng-Sheng Chen**, M.D., Medtronic-Zipes chair of Cardiology, Director, Krannert Institute of Cardiology, Chief, Division of Cardiology

*Increased Left Ventricular Mass is Associated with Long-Term Blood Pressure*

*Variability beginning in Childhood in Black Adults: The Bogalusa Heart Study*

**Gerald S. Berenson**, M.D., Emeritus Boyd Professor, LSA Medical Center, National Center for Cardiovascular Center, Tulane Center for Cardiovascular Health

The 49th Annual Scientific Session of the Association of University Cardiologists was then concluded by Dr. Eagle.

Respectfully submitted,  
Kim A. Eagle, M.D.  
Secretary-Treasurer  
Association of University Cardiologists

## APPENDIX I

### EMERITUS PROGRAM SUMMARY 2004 - 2008

#### First Annual Emeritus Program 2004

- 1 "How Can We Retain Personalized Care in the Era of Technological and Financial Dominance? [The Doctor-Patient Connection]" Introduced by Leo G. Horan, M. D.
- 2 "Can We Preserve Clinical Cardiology in the Face of Divisive Contemporary Pressures?" Introduced by Richard P. Lewis, M. D.

#### Second Annual Emeritus Program 2005

- 1 "Fellowship Training and Applied Research" Introduced by James Scheuer, M. D.
- 2 "Transition from Basic Science to Clinical Application." Introduced by Sidney Goldstein, M. D.

#### Third Annual Emeritus Program 2006

- 1 "How Can We Retain Personalized Care in Contemporary Cardiovascular Practice?" Introduction by Joseph V. Messer, M. D.
- 2 "Is there a Role for a Physical Examination in the Modern Cardiovascular Workup?" Introduced by J. Michael Criley, M. D.

#### Fourth Annual Emeritus Program 2007

- 1 "Selling Teaching Hospitals and Practice Plans." Introduced by John A. Kastor, M. D.
- 2 "Big Pharma: The Good, the Bad and the Ugly." Introduced by Jay N. Cohn, M.D.

Fifth Annual Emeritus Program 2008

- 1 "From Eisenhower's Heart Attack to Clinton's Coronary Surgery: Pioneers Who Transformed the Practice of Cardiology in Our Lifetime: Charles Dotter and Andreas Gruntzig" presented by Allyn Mark
- 2 "Revascularization in Our Time: Has it lived up to its promise?" presented by Thomas Ryan

## **APPENDIX J**

**1<sup>st</sup> Annual Emeritus Meeting  
January 7<sup>th</sup>, 2004  
The Resort at Longboat Key Club  
Longboat Key, Florida**

Present: Arnold Weissler, Gerald Berenson, Morton Arnsdorf, L. S. Cohen, J. N. Cohn, J. M. Criley, C. L. Curry, N. C. Flowers, L. G. Horan, A. E. Iskandrian, M. E. Josephson, T. Killip, R. F. Leighton, C. V. Leier, R. P. Lewis, R. J. Marshall, J. V. Messer, J. Scheuer, and J. A. Shaver

Dr. Arnold Weissler convened the meeting with a brief description of the origin of an Emeritus AUC session. He and Dr. Gerald Berenson discussed their mutual interest in an Emeritus meeting during previous AUC sessions. They presented this proposal before several Emeritus members, who urged that they proceed with the idea. A proposal was submitted and approved by the council and the membership during the meetings in January 2003. It was agreed that the Emeritus presentations not replicate the Scientific Sessions of the AUC. Rather, in consideration of their experience in teaching, research, clinical practice and administration, the Emeritus group provides a valuable forum for discussion of current problems facing the academic cardiovascular community.

This inaugural meeting focused on two specific issues in cardiovascular medicine, each of which was introduced by one of our distinguished members. Dr. Richard P. Lewis presented a provocative commentary on the question, "Can We Preserve Clinical Cardiology in the Face of Contemporary Divisive Pressures?". Dr. Leo Horan opened a discussion on the question, "How Can We Retain Personalized Care in an Era of Technological and Financial Dominance?". Each of the speakers provided a comprehensive data-based introduction to the problems posed by these questions. Their stimulating and provocative comments were followed by lively and animated discussion among the sixteen attending members.

The presentations and discussion were followed by a general commentary on the form of the meeting. In answer to a question as to the number of Emeritus members in the AUC, Dr. Weissler mentioned that there were more than 120 (actual number in the roster is 135). Emeritus members currently outnumber the active membership. Dr. Berenson explained that an invitational letter to all Emeritus members was sent out through Dr. Harrison's office. The cost of the meeting, essentially for beverages, was to be defrayed by the Emeritus members.

When the attending Emeritus members were queried about their interest in a meeting next January in the same form as this meeting, there was unanimous approval with applause. Drs. Weissler and Berenson welcomed suggestions for the forthcoming meeting in January 2005.

The first Emeritus meeting was adjourned at 4:44 pm.

**2<sup>nd</sup> Annual Emeritus Meeting**  
**January 11<sup>th</sup>, 2005**  
**The Ritz Carlton**  
**Phoenix, Arizona**

Present: Arnold Weissler, Gerald Berenson, Robert Adolph, Bruce Brundage, Lawrence Cohen, Michael Criley, John Fisher, Nancy Flowers, Harry Fozzard, Mario Garcia-Palmieri, Sidney Goldstein, Rolf Gunnar, Leo Horan, Richard Leighton, Richard Lewis, Joseph Messer, Hiltrud S. Mueller, Charles Mullins, Elliot Rapaport, and James Scheuer.

Dr. Arnold Weissler convened the 2<sup>nd</sup> annual Emeritus meeting entitled "A Forum on Unifying Basic and Applied Clinical Investigations in the 21<sup>st</sup> Century". The program was devoted to problems in the education of students and fellows and the transfer of basic cardiovascular science to clinical practice. Dr. Weissler explained that the years of the turn of a century, as we are now experiencing, are a time for reflection on the past and its influence on the future. In his opening remarks, Dr. Weissler commented, "Reflecting on the 20<sup>th</sup> century, we recognize a remarkable burst of scientific knowledge in the basic medical sciences and an impressive beginning in the transition of these advances to general clinical practice. This transition brings with it several problems in particular for those of us in the academic medical professions. Our conference will focus on two of the most vexing of these problems, the need to educate and attract our students and fellows to careers in basic and applied clinical research and the problem of gaining unbiased monetary support for research from commercial resources."

The 2<sup>nd</sup> annual Emeritus meeting directed discussion to these issues. Dr. James Scheuer presented a comprehensive analysis of the current status of cardiovascular fellowship education in his talk entitled "Fellowship Training for Basic and Applied Research". His presentation was replete with valuable recent data emphasizing the wide range of potential pathways for governmental support of cardiovascular research which has been attractive to Ph.D. candidates while only few in the clinical fellowship path choose a career in research. Dr. Sidney Goldstein presented an enlightening and provocative talk entitled "Transition from Basic Science to Clinical Application: What Forces Will Direct This Transition?". He illustrated a remarkably productive program in basic clinical research on a novel approach to the treatment of severe cardiac failure, which was supported by unbiased non-governmental funds. Each of the talks sparked active and enthusiastic commentary by the Emeritus members.

The members were asked for their suggestions for the next AUC Emeritus group meeting. Several members commented on the desirability to communicate the commentary of the Emeritus staff to the Active members, since the issues approached in the Emeritus meeting are complementary to the proceedings of the research meeting. Formal text presentations of the proceedings of the Emeritus forum and attendance by Active members were discussed. It was noted that the timing of the Council meeting and the Emeritus forum currently preempts attendance by members of the Council.

Photos were taken of the members who were present. Dr. Mario Garcia-Palmieri will send copies to the members upon their request.

The 2<sup>nd</sup> Emeritus meeting was adjourned at 5:00 p.m.

**3<sup>rd</sup> Annual Emeritus Meeting**  
**January 11<sup>th</sup>, 2006**  
**Carmel Valley Ranch**  
**Carmel, California**

Present: Arnold Weissler, Gerald Berenson, Robert Adolph, Lawrence Cohen, Michael Criley, Nancy Flowers, Sidney Goldstein, Rolf Gunnar, Leo Horan, Joseph Messer, Elliot Rapaport, Melvin Cheitlin, Ralph Sha betai, Herbert Levine, Carl Leier, Jonathan Abrams, Francis Klocke, and Bill Hancock.

Dr. Arnold Weissler convened the 3<sup>rd</sup> annual Emeritus meeting.

Dr. Weissler asked the members in attendance to offer their opinions on how leadership of the Emeritus Forum should continue. It was suggested and accepted by the members that the new leadership of the Emeritus Forum serve a 2 year term with the assistance of the previous leadership of the Forum as Counselors.. Drs. Sidney Goldstein and Michael Criley were voted as Co-Chairmen for the 2006-2008 term. Drs. Weissler and Berenson will assist as Counselors during this term. Following the term of Drs. Goldstein and Criley, Co-Chairs will be elected by the emeritus members. Dr. Goldstein and Dr. Criley will serve as Counselors.

Discussion concerning the nature of the presentations to be presented at the emeritus meetings followed. It was the general impression that the subject matter should focus on broad subjects relating to the role of the academic community promoting and preserving excellence in cardiovascular practice, education and research. A focus on current practices and problems in cardiovascular medicine wherein the emeritus members could offer commentary and recommendations would be most appropriate. Surveys of contemporary progress and historic reviews in cardiovascular medicine would be of interest to the group. The emeritus members felt that presentations on fundamental scientific studies should be reserved for the formal AUC meeting.

Dr. Weissler introduced this year's program entitled "Current Problems in Clinical Cardiovascular Practice". Dr. J. Michael Criley discussed the question "Is There a Role for the Clinical Examination in the Modern CV Workup?" He offered a lively Power Point presentation which highlighted the remarkable capacity of computerized education to teach and test the examining skills of general and specialty clinicians.

Dr. Joseph V. Messer focused on the question "How Can We Retain Personalized Care in Contemporary Cardiovascular Practice?". He offered a comprehensive and considered survey of the numerous factors, financial, political, competitive, technical, organizational, educational and time pressure, which have contributed to the deterioration of personalized clinician directed care in modern cardiovascular practice. Dr. Messer's talk ignited a spirited discussion amongst the membership.

Dr. Weissler adjourned the 3<sup>rd</sup> Annual Emeritus Meeting.

**4<sup>th</sup> Annual Emeritus Meeting**  
**January 10<sup>th</sup>, 2007**  
**The Renaissance Vinoy**  
**St. Petersburg, Florida**

The 2007 Emeritus session convened at 3:00 PM and featured 2 presentations:

"Selling Teaching Hospitals and Practice Plans: George Washington and Georgetown Universities" by John Kastor, University of Maryland School of Medicine.

"Big Pharma: The Good, the Bad, and the Ugly" by Jay N. Cohn, University of Minnesota Medical School.

There was also a **Clinical Case Presentation**, a topic suggested by one of our distinguished alumni, Howard Burchell. This presentation featured a virtual patient examined at the bedside with stethoscopes while observing timing cues from observations of precordial and neck pulsations, interpreting the ECG and chest radiograph, etc.

The meeting was adjourned at 5:00 p.m.



## APPENDIX K

### DECEASED MEMBERS

James K Alexander	Peter T. Kuo
Carl S. Apstein	Patrick Hugo Lehan
Morton Arnsdorf	James J. Leonard
Kenneth L Baughman	Michael Lesch
Julian Beckwith	Robert I. Levy (honorary member)
David H. Blankenhorn	Richard P Lewis
S Gilbert Blount	John Lindemann
Robert O Brandenburg	Robert J. Luchi
John David Bristow	Thomas W. Mattingly
Daniel A. Brody	Henry D McIntosh
Robert Arthur Bruce	Michel Mirowski
Thomas A. Bruce	John C. Mithoefer
Ivan L Bunnell	Oglesby Paul
George E. Burch	Morton Lee Pearce
Howard B Burchell	Walter H. Pritchard
Richard A. Carleton	Raymond Pruitt
Ira Muir Clapper	J. Ray Pryor
Hadley L. Conn	Elliot Rapaort
Ernest Craige	Leonard Resnekov
Charles Crumpton	Kenneth M. Rosen
Lewis Dexter	Richard R. Ross
Harold T. Dodge	Richard S. Ross
James E. Doherty	George G. Rowe
Thomas M. Durant	C. Glenn Sawyer
Richard Ebert	Leonard Scherlis
Ludwig W.Eichna	Robert C. Schlant
John Evans	Truman G. Schnabel
Charles Fisch	Andrew P. Selwin
Noble Fowler	Bruce Sinclair-Smith
Joe Franciosa	John R. Smith
Charles W. Frank	Thomas W. Smith
Martin J. Frank	Maurice Sokolow
Richard Gorlin	Louis A. Soloff
John S. Graettinger	Edmund H. Sonnenblick
David Greene	Eugene A. Stead, Jr.
Joseph C. Greenfield	Jay Michael Sullivan
Edgar Haber	Harold J. C. Swan
W Proctor Harvey	John Thomas
Hans H. Hecht	Yang Wang
Harper K. Hellems	James Warren
Herbert N. Hultgren	Robert W. Wilkins
Thomas N James	Park W. Willis
Lewis E. January	William S. Wilson
John B. Johnson	A. Calhoun Witham
Franklin D. Johnston	Francis Wood
J. Ward Kennedy	Paul N. Yu
Charles E. Kossman	Harry F. Zinsser

