MESSAGE FROM THE CHAIR, Dr. C. Tipton

The HPG leadership extends New Year greetings to our membership with the hope 2010 will be a healthy and productive year for all. We encourage all to join us in Anaheim and to attend the Experimental Biology Meeting from April 24 to April 28. Plan to attend our annual Luncheon-Business Meeting on Sunday, April 25 in the Anaheim Marriott in the Grand Ballroom Salon G room located near the APS Headquarters. After 11:45 AM, pick up your food in the buffet line located in APS Headquarters and move to Salon G where the meeting will begin at 12:20 PM. During the business meeting, you will learn that Council has rejected the 2012 proposal for a re-enactment of the first APS meeting and suggested HPG use symposium lectures to cover the 125 year history of the society or schedule a series of historical lectures. Thus, come prepared to recommend topics and speakers or an alternate approach to their recommendation. In addition, we will be looking for names for the 2011 History of Physiology Lecturer. In accordance with our Bylaws, in 2010 a new slate of officers will be presented. Following the Business Meeting, the History of Physiology Lecture will be presented by Dr. Michael Maron; his talk will begin at approximately 12:45 and include the legacy of Clarence DeMar, which began with the Harvard Fatigue Laboratory. The session will end at 1:50 PM in order to provide members with sufficient time to migrate to the August Krogh Distinguished Lectureship (2:00 PM) and the HPG-sponsored Featured Topic (3:15 PM, as described below) for an interesting afternoon of comparative physiology.

We encourage members to invite non-HPG members and students to attend the luncheon and History Lecture. We ask that members who will attend the luncheon advise the chair of that fact on or before April 4th so he can notify APS (who generously provides the food) of the number that will be in attendance. If you can’t attend the luncheon, plan on joining us at 12:45 for Dr. Maron’s talk.

PROFESSOR MARON TO PRESENT THE HISTORY OF PHYSIOLOGY LECTURE

For 2010, our annual luncheon lecture will be presented by Dr. Michael B. Maron, who is Professor Emeritus of Physiology and Pharmacology in the Department of Integrative Medical Sciences at the Northeastern Ohio Universities College of Medicine in Rootstown, OH. The title of his lecture will be “The Institute of Environmental Stress Marathon Studies of 1973-75: The Road from the Harvard Fatigue Lab to Santa Barbara and Back Again.” In his lecture, Dr.
Maron will be discussing studies performed on marathon runners during actual competitive races; these studies served as the basis for his doctoral dissertation and were performed under the direction of Dr. Steven M. Horvath. In addition to planning and executing the research studies, Dr. Maron was a marathon runner who served as a research subject. Please join us for what promises to be an illuminating and entertaining talk.

***** HPG AND ITS FEATURED SYMPOSIUM *****

The title of this year’s HPG-sponsored symposium is “In the Footsteps of August Krogh: Contributions from Comparative Physiology.” The symposium will be held on Sunday, April 25th, at 3:15-5:15 PM in Ballroom A of the Anaheim Convention Center and will be chaired by Dr. David Goldstein of Wright State University. This session will immediately follow the August Krogh Distinguished Lectureship of the APS Comparative and Evolutionary Physiology Section, to be presented at 2:00 PM in Ballroom A. Join us for a lively discussion of physiological lessons learned from our non-mammalian friends.

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<th>Presentation Time</th>
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<th>Presenter</th>
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<tr>
<td>3:15 PM</td>
<td>A Brief History of Fish Osmoregulation: The Role of the Mt. Desert Island Biological Laboratory</td>
<td>David Evans, Univ. of Florida</td>
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<td>3:45 PM</td>
<td>Temperature and Acid-Base Homeostasis</td>
<td>Don Jackson, Brown Univ.</td>
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<td>4:15 PM</td>
<td>Comparative Animal Physiology in a Changing World</td>
<td>Malcolm Gordon, UCLA</td>
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<td>4:45 PM</td>
<td>Contributions of Comparative Approaches to the Understanding of Renal Physiology</td>
<td>William Dantzler, Univ. of Arizona</td>
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*****HPG CO-SPONSORED SYMPOSIUM*****

In addition to our Featured Topic, the HPG is fortunate to have contributed to a second symposium which was chosen to be part of the Physiology InFocus series of symposia. The title is “One Hundred Years of Starling: His Contributions to Physiology.” This symposium was organized in consultation with the HPG Program Committee to commemorate the contributions made by Ernest Starling to our understanding of physiology. It is being chaired by Jane F. Reckelhoff of the Univ. of Mississippi and Rafael Rubio of the Universidad Autónoma de Sal Luis Potosí and will be held Tuesday, 27 April, from 10:30 AM-12:30 PM in Ballroom B of the Anaheim Convention Center.
### One Hundred Years of Starling: His Contributions to Physiology

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<th>Presentation Time</th>
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<tr>
<td>10:30 AM</td>
<td>The history of Starling and microvascular fluid exchange</td>
<td><strong>Charles Michel</strong>, Imperial College, London</td>
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<td>11:00 AM</td>
<td>Renal function and the Law of Starling</td>
<td><strong>John E. Hall</strong>, Univ. of Mississippi</td>
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<td>11:30 AM</td>
<td>What Starling did not know about sex and its role in the regulation of volume homeostasis</td>
<td><strong>Virginia H. Huxley</strong>, Univ. of Missouri at Columbia</td>
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<tr>
<td>12:00 PM</td>
<td>Signaling in sarcomeric proteins and Starling’s Law of the Heart</td>
<td><strong>R. John Solaro</strong>, Univ. of Illinois at Chicago</td>
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*****HPG POSTER SESSION*****

In addition to the above symposia, look for the HPG poster session. Dr. Maron’s luncheon lecture will be presented in poster format, allowing a greater opportunity for individual discussion. Dr. Jay Dean will also present 2 posters on aeromedical research during World War II. Dr. Dean, an HPG officer, is recognized as an expert in this area and has appeared in such lay public venues as MSNBC to discuss historical aspects of aeromedical physiology.

**EB2009: MINUTES OF APS HISTORY OF PHYSIOLOGY GROUP MEETING (to be voted on by the HPG at EB2010)**

On 12:00 p.m. on 19 April 2009, the HPG had its annual Business Meeting at the New Orleans Riverside Hilton. Approximately 14 individuals attended the business meeting and/or subsequent lecture. Following lunch, Dr. Charles Tipton (Chair of the Group) called the meeting to order. Individuals present then introduced themselves. The 2008 minutes were approved by unanimous vote.

A brief discussion was held on how to better publicize the HPG business meeting to address the relatively poor attendance over the past few years. For 2010, it was decided to send out notices of the lunch and lecture 1 week before EB to all APS sections rather than just the HPG. Additionally, it is essential to make sure that the HPG business meeting and luncheon is included in the EB program. Finally, it was suggested that the time of the meeting be moved so as not to conflict with the EEP student luncheon.

Dr. Sue Schneider reported the results of the Joint Program Committee (JPC) Meeting held the previous day. The 2010 Physiology in Focus sessions will primarily be concerned with biomedical engineering, physiology and clinical disease, as these are particular interests of Dr. Gary Sieck, the APS President-Elect. The cross-sectional symposium “100 Years of Starling” received the highest votes for any cross-sectional symposium; this symposium is co-sponsored by the HPG and is chaired by Dr. Jane Reckelhoff, who has put together an outstanding list of speakers. The HPG featured topic will probably be chaired by Dr. David Goldstein, who has proposed an exploration of the history of comparative physiology; more work needs to be done to finalize this symposium. In 2011, Experimental Biology will last through Wednesday evening, allowing for new programming slots to be available to the
sections. Additionally, the meeting will be altered in that programming for particular sections will be focused on either the beginning or end of the meeting, with the Cannon lecture in the middle of the week. A vote was taken and the HPG will affiliate with the EEP and Cardiovascular sections to facilitate programming, with the suggestion that, because we are a cross-sectional group, we request that our programming stay in the middle of the week along with the Cannon group. Experimental Biology 2012 marks the 125th anniversary of APS, and it was requested that the HPG provide input as to a special commemorative event.

Dr. John West, Chair of the APS History Book Committee, reported that a biography of Nathan Zuntz authored by Hans-Christian Gunga has been published by Elsevier. Dr. Jay Dean continues to work on the history of aviation physiology during World War II. West also reported that the Chair of the Department of Medical History at the Uniformed Services University of the Health Sciences, Dr. Dale Smith, is interested in authoring a text that explores the relationships between physiological advances and war. Drs. Clark Blatteis and Jack Boulant continue to make slow progress on a book detailing the history of temperature regulation; Clark Blatteis has recently retired, which may accelerate the project. Finally, George Rodway has written a book on George Finch, the first person to use oxygen at high altitude; this book has already been published by a small English publisher (i.e., not by the APS). West also reported that APS Council has begun to provide $1000 for the Video History program and that the HPG Chair, Dr. Tipton, has been chosen for the next interview in this program. Additionally, Dr. Edgar Folk was recently interviewed for this program.

Dr. Tipton reported on interactions with the Communications Committee. At last year’s HPG meeting, Donna Krupa, the Communications Director for APS, had requested that HPG members provide suggestions for topics for podcasts. While HPG members provided such suggestions, no action has been taken on them. Evidently, the Communications Committee wants not just ideas but complete products.

Dr. Tipton also reported that Council will not sponsor HPG luncheon speakers; he has tried to get Elsevier to sponsor this activity, but has been unsuccessful to date. There was discussion about possibilities for next year’s luncheon speakers, which include Paul Webb on the history of calorimetry and Michael Moran on the history of marathon running, Clarence DeMar and the Harvard Fatigue Lab.

Subsequently, Dr. Schneider introduced Dr. Edgar Folk of the University of Iowa, who presented an interesting and entertaining talk reviewing his work in hibernation, in context with that of other interesting personalities in the field. In addition to his profound scientific accomplishments, it was noted that Dr. Folk has held an appointment at the University of Iowa for over 50 years. Following the talk, Dr. Schneider presented Dr. Folk with the 2009 HPG Recognition Award.

The meeting was adjourned at 1:40 p.m.

**CALL FOR SUGGESTIONS FOR THE EB2011 PROGRAM**

It is time to select the symposium or featured topics programs for the Experimental Biology 2011 meeting. Anyone interested in putting together a symposium or Featured Topic should contact a member of the History Group program committee (see end of this newsletter for contact information) before the April Joint Program Committee meeting (April 24, 2010). Also, the History Group is allowed to sponsor a second History-related symposium or
Featured Topic. So please send ideas for topics and speakers to a History Group program committee member before the same deadline. We would like to see some new faces for the presentations next year.

A BANNER YEAR FOR HISTORY OF PHYSIOLOGY PUBLICATIONS...

Dr. Tipton has made a concerted effort over the last few years to both increase the quantity of history publications and concentrate these within Advances in Physiology Education. His efforts have paid off handsomely, as the latest volume of the journal contains 5 papers dealing with historical aspects of the physiological sciences. Included in these are 3 Living History papers, including one whose subject is Elsworth R. Buskirk, a frequent attendee in years past of the HPG annual meeting; this paper was authored by HPG Chair Emeritus Tipton. One of the other papers published in this volume (“A forgotten moment in physiology: The Lovelace Woman in Space Program (1960-1962)”) was the result of a lecture presented at the HPG Luncheon in 2006. Donna Krupa, Communications Director for APS, prepared a news release on this latter article, which presented original data on a series of women who were subjected to the same physiological testing performed on the original Mercury 7 astronauts. The news release was picked up by a number of science web sites and blogs, culminating in an article on the front page of USA Today (“Lost in space race: Female pilots” by Dan Vergano, October 15, 2009). The Advances in Physiology Education paper was authored by HPG Secretary Kathy Ryan, Jack Loeppky and Donald Kilgore.

...AND FOR THE LIVING HISTORY OF PHYSIOLOGY PROJECT

APS has established the Living History of Physiology Project as a means to capture interviews with senior physiologists in video format. There are currently 19 videos of eminent physiologists available on the web site (http://www.the-aps.org/livinghistory/), of which 10 have been added in the past year. Individuals documented over the course of the past year are: Elsworth Buskirk, Clark Blatteis, John B. West, Bodil Schmidt-Nielsen, Charles M. Tipton, Gerhard Giebisch, Charles Rawlinson Park, F. Eugene Yates, Karlman Wasserman, and Loring Rowell. HPG members are urged to consider interviewing senior physiologists at their institutions so that we might continue to grow this valuable resource for future generations.

KNOW AND CONTACT YOUR LEADERS IN THE HISTORY OF PHYSIOLOGY GROUP

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