MESSAGE FROM THE CHAIR, Dr. Jay B. Dean

Belated New Year greetings from the History of Physiology Group! As we look forward to the coming year, we encourage anyone with an underlying interest in the history of physiology to send us your suggestions or volunteer for future activities. Our annual Business Meeting will be held on Tues, March 31, from 12:30 until 2 p.m. in the Stone Room of the Westin Boston Waterfront Hotel (APS Headquarters hotel); a buffet lunch will be served. First, pick up your lunch at the nearby APS office before going to the meeting room. At approximately 12:30 p.m., the Business Meeting will begin. One issue we must resolve will be to finalize our program and speakers for the history symposium and business meeting for next year (2016). Please attend this business meeting and bring your students as well. After the business meeting, Dr. Kathy Ryan of the US Army Institute of Surgical Research will present an informative lecture/discussion pertaining to the history of research on traumatic shock injury on the battlefield.

We encourage members to invite non-HPG members and students to attend this luncheon meeting and History Lecture. We ask that members who plan to attend RSVP via e-mail me (jdean@health.usf.edu) on or before March 13, so I can notify APS (who generously provides the food) of the number who will be in attendance. If you can’t attend the luncheon, plan on joining us at 1:00 p.m. for Dr. Ryan’s talk.

KATHY RYAN TO PRESENT THE HISTORY OF PHYSIOLOGY LECTURE

For 2015, our annual luncheon lecture will be presented by Kathy L. Ryan, Chief of the Research Regulatory Compliance Division at the US Army Institute of Surgical Research (USAISR) in San Antonio, TX. The title of her lecture will be “Walter B. Cannon’s WWI Experience: Treatment of Traumatic Shock Then and Now.” USAISR is a part of the Battlefield Health and Trauma Research Institute, the Department of Defense’s Center of Excellence for combat casualty care research, a field in which Dr. Ryan has worked for 15 years. Please join us!
The title of this year’s HPG-sponsored symposium is “Neuroplasticity in Space: Reflections from the STS-90 Neurolab Space Shuttle Crew.” We are fortunate to have 3 astronauts who participated in this mission as speakers: Drs. Jay Buckey from Dartmouth Medical School, Rick Linnehan from NASA Johnson Space Center, and Jim Pawelczyk from Penn State University. The symposium will be held on Wednesday, 1 April, from 10:30 to 12:30 p.m. in room 210A of the Boston Convention Center and will be chaired by Dr. Jay Dean.

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<tr>
<th>Presentation Time</th>
<th>Title</th>
<th>Presenter</th>
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<tr>
<td>10:30 AM</td>
<td>Introduction: STS-90 Neurolab Spacelab Mission</td>
<td>Jay Buckey</td>
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<td>10:35 AM</td>
<td>Can the brain develop normally without gravity?</td>
<td>Jay Buckey</td>
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<td>11:15 AM</td>
<td>Animal ops in space</td>
<td>Rick Linnehan</td>
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<td>11:55 PM</td>
<td>Electrophysiology in space: How do I ground this thing?</td>
<td>James Pawelczyk</td>
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**EB2014: MINUTES OF APS HISTORY OF PHYSIOLOGY GROUP MEETING (to be voted on by the HPG at EB2015)**

At 12:34 p.m. on 29 April 2014, the HPG annual Business Meeting was called to order at the Marriott Marquis & Marina Hotel in San Diego, CA. Eighteen individuals attended the business meeting. Dr. Jay Dean (Chair) called the meeting to order. Members of the executive committee were then introduced. Other individuals present then introduced themselves. The minutes of the 2013 meeting were approved as written.

Dr. Charles Tipton reported that the Program Committee had input for the HPG 2015 EB symposium. Dr. Saxon White of Australia had submitted a proposal on Paul Korner’s work in hypoxia and hypotension. Additionally, Dr. Herb Spector had suggested a symposium entitled “Unsung Heroes in Physiology.” Subsequent discussion yielded the suggestion that a symposium concerning thermoregulation could be developed by Clark Blatteis, who is working on a history of the field. Dr. Tipton solicited further input to be sent to the program committee.

Dr. Dean reported on the Joint Program Committee meeting, held on 26 Apr. In the past, HPG has worked hard to identify symposium topics that are generated by the Group itself. Dr. Dean wants to work more with other sections to cosponsor symposia, in order to provide programming that will attract a larger audience than just those interested in history. Dr. Dean will follow up with other groups to get more input.
Dr. Dean also stated that the President’s theme for EB 2015 will be “Big Questions and Big Sciences,” with an emphasis on hypertension, diabetes and obesity. Furthermore, Robert Lefotowitz, the 2012 Nobel Laureate for Physiology and Medicine, will be speaking in the Nobel lecture to close EB 2015.

Dr. Dean also reported that the American Society for Nutrition (ASN) will be leaving EB 2018-2020. This is of concern because ASN accounts for 20-25% of attendance at EB. The JPC discussed trying to not lose all attendance of those interested in nutrition by increasing the number of symposia with a focus on nutrition. Additionally, there will be attempts to reach out to smaller societies to invite their attendance at EB.

The business meeting was adjourned at 12:53.

Approximately 7 individuals joined the HPG members to hear Dr. Norman Javitt provide a talk entitled “Hepatic Bile Formation: The Investigator’s Dilemma, the Patient’s Problem.” The talk generated a number of questions. At the end of the discussion, Dr. Tipton presented Dr. Javitt with a Certificate of Appreciation for presentation of this fascinating talk and encouraged him to publish it as a History of Physiology Lecture in Advances in Physiology Education.

The meeting was adjourned at 1:50 p.m.

CALL FOR SUGGESTIONS FOR THE EB2016 PROGRAM

It is time to select the symposium or featured topics program for the Experimental Biology 2016 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 Joint Program Committee meeting on March 28, 2015. We are also soliciting suggestions for luncheon speakers for next year and beyond. We would like to see some new faces for all of the presentations.

CALL FOR NEW OFFICERS

We are in need of someone to volunteer to serve as Secretary/Newsletter Editor for the HPG. I (Ryan) am stepping down at the end of this year. Also, we would like to extend an invitation to the HPG membership to consider serving on the program committee. If you are interested in volunteering for either of these positions, please contact Jay Dean (contact information below).

HISTORY OF PHYSIOLOGY PUBLICATIONS...

The presence of historical articles in Advances in Physiology Education continues to grow; there were five historical articles published in 2014. Interestingly, three of these publications originated as recent presentations at the HPG luncheon at EB. These include:

- “The University of California Institute of Environmental Stress marathon field studies” by Michael B. Maron
- “History of hepatic bile formation: old problems, new approaches” by Norman B. Javitt
- “Resolving an 80-yr old controversy: The beginning of the modern era of renal physiology” by Rex L. Jamison

The HPG leadership has thus been successful in 1) promoting Advances in Physiology Education as the forum for historical articles relevant to physiology; and, 2) encouraging presenters to move their oral work into publication.

In addition to these, Charles M. Tipton published “The history of “Exercise in Medicine” in ancient civilizations” and Marcel Robischon published “Hugh’s book and Krogh’s animals: Biodiversity and textbook examples in teaching.”

Just a reminder to the HPG membership, I am the Associate Editor for Advances in Physiology Education assigned to handle Historical Perspectives articles and I’m taking this opportunity to urge you, as members of APS interested in the history of physiology, to reflect on possible topics that might be developed into historical articles of general interest to the APS membership. If we want to see more historical perspectives articles, it is our responsibility to generate these. The ability to publish your work from the HPG luncheon or HPG symposium should encourage you to consider volunteering to present; we are actively soliciting volunteers for presentations. This is a chance to indulge that history-loving side of you that is often subsumed by physiological research projects!

This year’s recommended book is a new work: “The Birth of the Pill: How Four Crusaders Reinvented Sex and Launched a Revolution” by Jonathan Eig. My attention was first drawn to this book in terms of human subjects research ethics, but it is a fascinating read. The author brings together the stories of four individuals, each of whom were interesting in their own right but who combined to bring the Pill to fruition. Margaret Sanger is known to many as a feminist who championed birth control in her campaign to further rights for women. Katherine McCormick married into a fortune and had the resources to fund the research. Gregory Pincus, a physiologist, was fired from Harvard in the 1930’s as a result of experimentation with in vitro fertilization but subsequently became obsessed with discovering a drug to inhibit ovulation. Finally, John Rock was a popular and charismatic physician whose contribution to the project was to win public support for the use of the Pill. The book is written for a popular audience and tells the story of how these four individuals came together to develop the Pill and popularize its use. While reading, I couldn’t help but compare how times have changed in terms of funding, the research itself, and the regulatory landscape under which the research was performed.

…AND 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. The project continues to grow by leaps and bounds, with an astounding 20 videos of eminent physiologists added since the last writing of this newsletter. There are currently 78 videos of eminent physiologists available on the web site (http://www.the-aps.org/livinghistory). HPG members are urged to consider volunteering to be interviewed or 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

CHAIR
Jay B. Dean, Ph.D.  Phone: (813) 974-1547
Department of Molecular Pharmacology and Physiology  Fax: (813) 974-3079
e-mail: jdean@health.usf.edu
University of South Florida
12901 Bruce B. Downs Blvd,
Tampa, FL  33612-4799

SECRETARY AND NEWSLETTER EDITOR:
Kathy Ryan, Ph.D. Phone: (210) 539-4366
US Army Institute of Surgical Research  Kathy.l.ryan.civ@mail.mil
BHT1 (Building 3611)
3698 Chambers Pass
Ft. Sam Houston, TX  78234-7767

REPRESENTATIVE TO THE JOINT PROGRAM COMMITTEE (JPC):
Jay B. Dean, Ph.D.  Phone: (813) 974-1547
Department of Molecular Pharmacology and Physiology  Fax: (813) 974-3079
e-mail: jdean@health.usf.edu
University of South Florida
12901 Bruce B. Downs Blvd,
Tampa, FL  33612-4799

PROGRAM COMMITTEE
Charles Tipton, Ph.D., Chair
Jay Dean, Ph.D.
Kathy Ryan, Ph.D.