



Cardiovascular Section Newsletter

Robert J. Tomanek, Ph. D., editor

Berne Lectureship: David G. Harrison

The Berne award honors one of the most distinguished members of the Cardiovascular Section, Robert M. Berne. The award is presented to a scientist who has made outstanding prior contributions to cardiovascular research, and whose current research is particularly interesting, such that the presentation of the work would be expected to further interest in the CV section meeting.

This year's recipient, David G. Harrison, is the Bernard Marcus Professor of Medicine and Director of the Division of Cardiology at Emory University. A native of Oklahoma City, Harrison received his BS from Oklahoma State University in 1970 and his MD from the University of Oklahoma in 1974. After completing his Medical Residency and Fellowship at Duke, he was a Fellow in Cardiovascular Diseases and subsequently an Assistant and Associate Professor at The University of Iowa. In 1990 he was appointed Professor of Medicine at Emory. Dr. Harrison serves and has served on numerous Editorial Boards, study sections and has been recognized for his scientific contributions by many honors and awards. Some examples include: the American Heart Association's Established Investigator and the George E. Brown Memorial Lecture, and the Robert Furchgott Lecture for the 8th Symposium on Mechanisms of

Vasodilatation. Dr. Harrison has been very active in the American Heart Association including chair of the Council on Circulation and has organized several AHA programs. He has a record of consistent and long-term contributions to review committees including chairing both NIH and AHA study sections. Thus, his leadership



Dr. David Harrison

in the scientific community is well documented. Dr. Harrison's research in vascular biology encompasses endothelial regulation of vasomotor tone. In the 1980s and early 1990s Dr. Harrison investigated factors that regulate coronary collateral resistance and the role of the endothelium in coronary vascular reactivity. These studies addressed hypertension and cardiac hypertrophy, and endothelial dysfunction. His focus evolved to include regulation of nitric oxide synthase

expression and function. The numerous publications in quality peer-reviewed journals is impressive documentation of his scientific contributions. During the last decade he has made significant contributions to our understanding of vascular control and the role of oxidant stress in development of vascular disease. His studies have also addressed shear stress, endothelins, the role of reactive oxygen species in atherosclerosis and angiotensin-induced hypertension. Dr. Harrison's contributions represent a superb integration of basic and clinical investigations.

EB 2002 CARDIOVASCULAR SECTION DINNER

Monday, April 22, 2002 at 7PM

Purchase tickets (\$30) at:
APS Office - Eglinton Winton Room
Hilton Riverside Hotel
Saturday, April 20th - 8 AM to 5 PM
Sunday, April 21st - 8 AM to 12 Noon*

RALPH AND KACOO'S

Choice of entrees:

1. Fillet stuffed with crabmeat
2. Charbroiled rib eye steak
3. Seafood platter

*Please note tickets must be purchased by 12 noon on Sunday due to reservations at Ralph and Kacoo's

WIGGERS AWARDEE - LORING ROWELL

Loring Rowell, Ph.D. is the recipient of the Wiggers Memorial Award, which recognizes outstanding and lasting contributions to cardiovascular research. The award, established in 1965, is made to an individual who will bring a broader and more international representation to the CV Section meetings. Dr. Rowell was born in Lynn, MA and graduated Summa Cum Laude from Springfield College, Springfield, MA with a B.S. in Biology in 1953. He received his Ph.D. degree in physiology in 1962 from the University of Minnesota, Minneapolis, MN working under the mentorship of Dr. Henry L. Taylor.

From 1962 to 1972, Dr. Rowell rose to Professor in the Departments of Medicine (Cardiology), and of Physiology and Biophysics, a position he maintained until becoming Professor Emeritus following his retirement in 1997.

Dr. Rowell is the author of over 150 articles. He has contributed important advancements in several areas including our understanding of the circulatory adjustments to exercise and the delivery of oxygen to working muscle. A major thrust is the quantitative appreciation he provides of the redistribution of blood flow from, especially, the splanchnic circulation - what it means to oxygen delivery, what it means to blood pressure regulation, as well as the consequence on the splanchnic circulation of performing exercise in a hot environment. Threaded among these studies is the evolution of his synthesis of an overall scheme of the reflex control of the circulation. Here, his own important contributions to the efferent and sensory sides of the role of the sympathetic nervous system in meeting circulatory challenges are blended in a thoroughly scholarly way with those of many other scientists to bring about an overall synthesis of cardiovascular control. The scheme is inclusive of a wealth of information from many laboratories. The key is the unique personal insight and command of the literature brought to bear on the problem. The result is an integration of the baroreflex, afferents from active muscle, and central command into an explanation of regulatory adjustments to cardiovascular challenges. This aspect of Dr. Rowell's approach is most apparent in his dozens of review articles and textbook chapters. His 1974 *Physiological Review* is a classic, as are his chapters in the *Handbook of Physiology* (1983 and 1996).

Indeed, his knowledge of the literature was a major advantage in his co-editing, with John Shepherd, the APS sponsored *Handbook of Physiology on exercise* in 1996. Dr. Rowell is also the sole author of two very well received books: *Human Circulation: Regulation During Physical Stress*, published in 1986, and *Human Cardiovascular Control* (1993). These texts are important contributions and serve as the focus of several advanced cardiovascular physiology courses.

Dr. Rowell's contributions as a mentor and supporter for young scientists are also significant because they reach well beyond the graduate students and postdocs directly associated with him. He gives recognition to good work, treats young scientists as equals, and promotes their entry and career progress in science. He includes them in the manuscript review process and promotes their visibility through co-authorship on reviews. He also promotes career development through his example of enthusiasm and passion for science.

Over his career, Dr. Rowell's contributions and scholarship have been widely recognized. Within the APS he has given the Edward F. Adolph and the Robert M. Berne Distinguished Lectureships. The American College of Sports Medicine has also recognized his meritorious career through the Joseph B. Wolfe Memorial Lectureship, and with their prestigious Citation and Honor Awards. These honors extend overseas, to the R. Douglas Wright Award from the High Blood Pressure Research Council of Australia, as well as visiting professorships in Denmark, France, and Belgium.

Finally, Dr. Rowell has an exemplary service record, particularly with regard to serving the APS and our section. His editorial board work has been frequent with several of our journals as well as with *Circulation Research*, *Clinical Autonomic Research* and *Annual Review of Physiology*. He has served on multiple APS committees, including among others, the Publications, Handbook, and Nominating Committees. He has served as Secretary, Treasurer, and Chair of the Cardiovascular Section. He also has served in several advisory capacities with the American Heart Association at both the national and local levels. Clearly, his experience and expertise are widely respected and sought.

NEW FELLOWS - CARDIOVASCULAR SECTION

New Fellows for 2002 are listed below (parentheses indicate the year they joined APS).

Roberto Bolli, University of Louisville, Louisville, KY (1985)

Victor Dzau, Brigham and Women's Hospital, Boston, MA (1982)

Chris Hardin, University of Missouri, Columbia, MO (1987)

Joanne Ingwall, Harvard Medical School, Boston, MA (1980)

David Ku, University of Alabama at Birmingham, Birmingham, AL (1987)

Pamela Lucchesi, University of Alabama at Birmingham, Birmingham, AL (1996)

George Osol, University of Vermont College of Medicine, Burlington, VT (1985)

Dale Parks, University of Alabama at Birmingham, Birmingham, AL (1986)

Peipei Ping, University of Louisville, Louisville, KY (1991)

Gina Schatteman, University of Iowa, Iowa City, IA (1999)

Mike Simons, Dartmouth Medical School, Hanover, NH (1998)

Kent Thornburg, Oregon Health & Sciences University, Portland, OR (1973)

Suresh Tyagi, University of Mississippi Medical Center, Jackson, MS (1997)

Harvey Weiss, UMDNJ - Robert Wood Johnson Medical School, Piscataway, NJ (1973)

CONGRATULATIONS!

ELECTION RESULTS - CARDIOVASCULAR SECTION

Neil Granger of LSU Medical Center-Shreveport has been elected to a three year term as Secretary-treasurer.

Mary Townsley (Univ. of So. Alabama) and **George Osol** (University of Vermont) were elected to the Nominating Committee.

CONGRATULATIONS!