

UNIVERSITY TEACHING AND ADVANCED RESEARCH  
ABROAD

More than 500 Fulbright awards in over 100 countries are now open to application for university teaching and postdoctoral research in 1982-83. Most awards are for 4-9 months, with an increasing number of research openings. Applications are due June 1, 1981 for the American Republics, Australia and New Zealand; and July 1, 1981 for Africa, Asia, Europe and the Middle East. Just off the press and available on request is a booklet listing these opportunities. Prospective applicants should indicate preferred listed opening(s) in requesting application materials. Additional information and award terms will be provided when available.

Several countries have requested Fulbright scholars in the field of BIOLOGICAL SCIENCES. *Australia* : metabolites from Australian marine organisms\*; *Austria* : population ecology and genetics or development biology of invertebrates; *Colombia*: ecology or environment; *Egypt*: clinical bacteriology; *Honduras*: marine biology; *Ireland*: bovine physiology/ova freezing or muscle biochemistry/physiology/histochemistry/ultrastructure; *Ivory Coast*: molecular biology and/or animal physiology; *Jordan*: genetics; *Mexico*: marine ecology, botany, or zoology; *Morocco*: biology; *New Zealand*: movement of bacteria through soils and gravels\*; *Pakistan*: marine biology; *Philippines*: biology, ecology and environment; *Sri Lanka*: fisheries biology; *Sudan*: marine biology\*; plant/environmental physiology; vertebrate pests; *U.S.S.R.*: several specialized fields.

Many of the programs also encourage applications in any or several fields. (An asterisk indicates a research opportunity.) Regionally funded and special programs: Africa research, American Republics research, Indo-U.S. Subcommission research, Near East/South Asian short-term lectureships. Country programs: Argentina\*, Austria\*, Belgium\*, Brazil\*, Denmark\*, Egypt\*, Finland\*, France\*, Germany\*, Greece\*, Iceland\*, India\*, Israel\*, Italy\*, Korea\*, United Kingdom\*.

An applicant must be a U.S. citizen and have appropriate academic and experience credentials. Eligible scholars not available for 1982-83 but interested in a later possibility, may qualify to receive major announcements for the next two years by completing a registration form available from the Council for International Exchange of Scholars, Dept. N, Eleven Dupont Circle, N.W., Suite 300, Washington, D.C. 20036. Begun in 1947, largely with U.S. war surplus funds, the Fulbright program has become in many countries a binational, cooperative exchange. Direction of the program is a function of the U.S. International Communication Agency. From the beginning, the principal U.S. administrator for university teaching and advanced research has been the Council for International Exchange of Scholars.

A series of articles was started in *The Physiology Teacher* Section of *The Physiologist*, Vo. 21, No. 6 under the Guest Editorship of Dr. Tidball. As the series developed and some other material appeared in *The Physiology Teacher*, it became clear that issuing a reprint of the collected papers with some additional articles and a glossary of terms relevant to the field was warranted. The volume is the product of the original articles, added matrix material, and some thoughts on the general subject of computers and laboratory teaching.

The collection has also stimulated a plan to consider development of other "reprint series" on various teaching (and historical) subjects. Precedence for reprinting collected papers from *The Physiologist* was made in 1973. Interestingly, the subject was "Computer Assisted Education" and Dr. Tidball played a leading role. This collection of articles initiates a new series which we plan to pursue on the general subject of physiology teaching. It has also stimulated some contemplation on current problems associated with the teaching of physiology to future physiologists who will engage in teaching and research, and to medical students who will a) practice medicine or b) engage in medical research or c) undertake both.

The contents of *Frontiers in the Teaching of Physiology: Computer Literacy and Simulation* include:

- An affirmation of Conventional Physiology Laboratory Exercises - C. S. Tidball
- Coping with Computer Terminology - C. S. Tidball
- An Overview of Computer Hardware - C. S. Tidball
- Doctors, Digits and Disks - C. S. Tidball
- The Analog (Computer) as a Physiology Adjunct; Part 1 - P. A. Stewart
- Teaching Computer Literacy and Physiological Simulation - C. S. Tidball
- The Analog (Computer) as a Physiology Adjunct; Part 2 - P. A. Stewart
- Teaching by Simulation with Personal Computers - J.E. Randall
- A computer Model of the Cardiovascular System for Effective Learning - C. F. Rothe
- Computer Simulation in the Physiology Laboratory - S. Katz, R. G. Hollingsworth, J. G. Blackburn, and H. T. Carter
- A Digital Computer Simulation of Cardiovascular and Renal Physiology - C. S. Tidball
- Physiological Simulation: An Assessment of its Advantages as Well as its Limitations - R. A. Standing and C. S. Tidball
- The volume is edited by Charles S. Tidball and M. C. Shelesnyak.

The format is based on *The Physiologist*. The volume is approximately 64 pages, including an extensive bibliography and an index. It will be available from the American Physiological Society, Education Office, 9650 Rockville Pike, Bethesda, MD 20014 for \$7.50 prepaid.

dividuals for membership on Society committees.

Membership in the sections is open to all members of the Society. However, the Statement of Organization and Procedures for each section establishes specific requirements for membership. APS members who wish to become affiliated with one or more of the listed sections should comply with the requirements noted following the named Section. The reference shown beneath the name is the issue of *The Physiologist* where that section's Statement of Organization and Procedures has been printed.

<i>Cardiovascular</i> 23, No. 5 (Oct. 1980), p. 5	Send a letter requesting affiliation to the Membership Services Department of APS.
<i>Cellular and General Physiology</i> (Being organized)	Same as Cardiovascular.
<i>Comparative Physiology</i> 20, No. 6 (Dec. 1977), p. 14	Indicate a primary or secondary Interest Area Code #10 on the Membership Records Questionnaire.
<i>Endocrinology and Metabolism</i> 23, No. 5 (Oct. 1980), p. 8	Same as Cardiovascular.
<i>Environmental, Thermal and Exercise</i> 20, No. 6 (Dec. 1977), p. 15	Indicate a primary or secondary Interest Area Code #13 or #14 on the Membership Records Questionnaire.
<i>Gastrointestinal</i> 20, No. 1 (Feb. 1977), p. 5	Same as Cardiovascular.
<i>Nervous System</i> 21, No. 3 (June 1978), p. 25	Indicate a primary or secondary Interest Code #25 on the Membership Records Questionnaire.
<i>Renal</i> 20, No. 2 (Apr. 1977), p. 17	Attend Renal Dinner at the Spring Meeting.
<i>Respiration</i> 23, No. 5 (Oct 1980), p. 6	Indicate as primary or secondary Interest Code #32 on the Membership Records Questionnaire.

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The Upjohn Co., Cardiovascular Disease Div. (Symposium support).