

(Continued from page 919)

No minority persons of either sex have reached that level.

This last discouraging statistic presents the greatest challenge. To a considerable extent it reflects the paucity of minority scientists in the "pipeline" at any level. This scarcity led to the passage of a resolution by the Council that declares the science education of minorities and women to be a high priority of the AAAS's education program, and the major program development thrust of the Opportunities Office.

### Notes from Other Offices

**Office of International Science.** The American Society of Photogrammetry has formally asked AAAS to affirm its support for the continuation of funding for the Earth Resources Technology Satellite (ERTS) beyond the initial period of 4 years. In conjunction with this request, the Office has prepared a memorandum on ERTS and on censusing with ERTS which provides background information and a review of the demographic potential of this new data source. It is available on request.

\* \* \*

**Office of Science Education.** The AAAS has been awarded a grant of \$42,000 from the National Science Foundation to support the preparation of the sixth edition of *Science for Society: A Bibliography* and to conduct a survey of users of the fifth edition.

### NOVA Program Schedule

22 Dec. *Strange Sleep.* For the men who discovered and pioneered anesthesia—as this dramatized reconstruction vividly shows—the personal payoff was often bitter and tragic (a WGBH production).

29 Dec. *The Making of a Natural History Film (Repeat).* A film about how you make films about nature (a BBC production).

5 Jan. *The Long Arm of Politics.* A history of bombers and bombing and an exploration of the role of science and technology in warfare (a WGBH production).

12 Jan. *What Time Is Your Body?* Biological clocks in plants, insects, animals, and man; and what happens when they start running at their own speed (a BBC production).

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# Personnel Placement

## POSITIONS WANTED

**Air Materials Scientist.** Sabbatical year post-doctoral or other training position for 1975-76, full year or short term. Box 536, SCIENCE. X

**Anatomist-Histologist-Electron Microscopist, Ph.D.** Desires senior academic teaching-research position. Extensive experience in transmission and scanning electron microscopy; microprobe analysis of normal and pathological tissues. Strong background in all phases of ultrafine structure. Versatile, innovative person with genuine commitment to teaching. Numerous publications. Box 535, SCIENCE. X

**Anesthesiologist, M.D., 47** (experience in research, teaching, and administration). Present interest in study of systems analysis methods and applications to operating room performance of anesthesiologist; seeks position at chairman level in medical school. Box 444, SCIENCE. 12/6; 1/10

**Biochemical Editing.** Library research, preparation and editing biochemical manuscripts. Have M.S. in biochemistry and 20 years of laboratory experience in nucleic acid and steroid/protein fields. Publications. Desire New York City location. Box 528, SCIENCE. 12/6

**Ph.D. Clinical Monitor.** Fifteen years of experience. Antilipemic drugs-atherosclerosis is preferred field. Box 540, SCIENCE. X

**Clinical Oncologist/Immunologist, M.D., Ph.D.** (immunopathology). Board eligible internist/oncologist (to certify 1975). Completing fellowship in July. Desires position in stimulating private or university-associated practice, with opportunity to do lab or clinical investigation. Anywhere in United States or Canada. Box 537, SCIENCE. 12/13

**Broadly trained Geneticist, Ph.D. (1965).** Two year postdoctoral. Outstanding teacher, 16 years of professional experience (11 years of full-time university experience). Special interest in undergraduate programs. Seeks academic position for September. Box 499, SCIENCE. 12/6

**Microbiologist, Ph.D.** Specialties: microbial photophysiology, chemical ecology. Established investigator; fundamental and applied research, seeks senior position in academic, industrial, or government laboratory engaged in environmental or energy related research. Box 538, SCIENCE. X

**Microbiologist (Ph.D.), Veterinarian (D.V.M.).** Wide experience in tumor biology, immunology, therapy. Numerous publications. Seeks academic, institutional research, administration, or teaching. Box 531, SCIENCE. 12/6

**Neuroanatomist/Electron Microscopist, Ph.D.** Postdoctoral abroad. Presently on medical faculty. Desires teaching/research position. Research interest: developmental and pathological changes in neuroglia. Publications. Teaching experience: neuroanatomy and neurophysiology, histology, and gross anatomy. Box 504, SCIENCE. X

**Pharmacist, Ph.D.** in industrial pharmacy. Strong background in physical pharmacy, dosage forms development, bioavailability, packaging, scale-up operation. Seeks academic or industrial position. Box 539, SCIENCE. X

**Rheumatologist/Electron Microscopist** on medical faculty, seeks relocation, academic milieu. Experienced clinical, teaching, research. Publications. Box 541, SCIENCE. X

## POSITIONS OPEN

### ANATOMISTS

Applications are invited from individuals with Ph.D. or M.D. for positions (instructor to assistant professor) in Jefferson Medical College. Teaching responsibilities in neuroanatomy and/or gross anatomy. Candidates having productive research interests are encouraged to send curriculum vitae and letters of reference to **Chairman, Department of Anatomy, Jefferson Medical College, 1020 Locust Street, Philadelphia, Pa. 19107.** An Equal Opportunity Employer.

## POSITIONS OPEN

### ANIMAL PHYSIOLOGIST

Assistant professor. Postdoctoral experience and publications required. Teaching and strong research program expected. Curriculum vitae, bibliography, reprints, clinical transcripts, and three evaluation letters to: **Physiology Search Committee, Department of Biology, University of Houston, Houston, Texas 77004.** An Equal Opportunity Employer.

**ASSISTANT/ASSOCIATE PROFESSOR, Ph.D.** in sociology, social psychology, or related areas with concentrated experience in the family area (necessary) and in development in the context of the family (preferred). August 1975. Salary commensurate with experience. Teaching large, undergraduate entry level course on the Family in Contemporary American Society, other graduate or undergraduate teaching, graduate thesis supervision. Preferred research area (for example, socialization, families under stress, family as system, ecology of the family); systematic research in natural settings preferred. Send curriculum vitae and materials to **Helen Bayer, Search Chairman, Department of Human Development and Family Studies, Cornell University, Ithaca, New York 14853.** An Equal Opportunity/Affirmative Action Employer.

### ASSISTANT PROFESSOR—BIOCHEMISTRY

A position will be available in September 1975 for an individual with demonstrated exceptional ability. Applicants should send curriculum vitae, a brief outline of areas of proposed research, and names of three references to: **Department of Biochemistry, Brandeis University, Waltham, Mass. 02154, attention of William P. Jencks.** Brandeis is an Equal Opportunity/Affirmative Action Employer.

### ASSISTANT PROFESSORSHIPS IN CELLULAR IMMUNOLOGY, MICROBIAL REGULATION, AND PHYSIOLOGICAL ECOLOGY

A rapidly growing, well-equipped modern department of biological sciences located in the hills outside Baltimore is seeking scientists with postdoctoral research experience who have demonstrated their ability to initiate a vigorous research program. Candidates must also have a commitment to quality graduate and undergraduate teaching. Submit curriculum vitae, bibliography, names of suggested referees, and a description of research interests to: **Dr. Thomas F. Roth, Chairman, Search Committee, Department of Biological Sciences, University of Maryland Baltimore County, Catonsville, Maryland 21228.** An Equal Opportunity/Affirmative Action Employer

### ASSISTANT PROFESSOR STATISTICAL HUMAN GENETICS

University of Washington Center for Inherited Diseases. Ph.D. with strong independent research experience in statistical aspects of human genetics, computer experience, publications, some teaching. Send résumé to **Dr. A. G. Motulsky, Chairman of Search Committee, Division of Medical Genetics, University of Washington, Seattle, Washington 98195.** An Equal Opportunity/Affirmative Action Employer.

### ASSISTANT PROFESSOR OF BIOLOGY LEHIGH UNIVERSITY

Teaching and research appointment in **Developmental Biology** to begin September 1975. Duties will include teaching of vertebrate anatomy and other undergraduate and graduate courses, independent scholarly research, and supervision of M.S. and Ph.D. candidates. Selection criteria will include evaluation of the candidates' potential for sustained high quality research and teaching. *Lehigh University welcomes women and minority-group applicants.* Submit curriculum vitae, reprints, a summary of research plans, and names of three referees before 15 January 1975 to **Dr. Barry Bean, Department of Biology, Lehigh University, Bethlehem, Pa. 18015.**

### CHEMIST

Full time, days. M.S. or Ph.D. with experience in biochemical laboratory. Good benefit program. Apply

**Darlene Weaver, Personnel  
Medical College of Ohio  
Detroit and Arlington Avenues  
Toledo, Ohio 43614  
Telephone: 385-7461, Ext. 644**

## POSITIONS OPEN

### ASSISTANT PROFESSOR OF MICROBIOLOGY

Ph.D., experience in animal virology, preferably tumor virology. Required to assist in teaching medical microbiology, cell biology, and genetics to medical students and to maintain a vigorous research program. Salary dependent on qualifications. Send curriculum vitae, bibliography, and recommendations by 1 March 1975 to **Dr. Fred Rapp, Department of Microbiology, M. S. Hershey Medical Center, The Pennsylvania State University, Hershey, Pennsylvania 17033.** An Equal Opportunity/Affirmative Action Employer.

**ASSISTANT PROFESSOR OF POULTRY PATHOLOGY** with duties in a Poultry Disease Diagnostic Laboratory; related research; teaching and advising undergraduate and graduate students; D.V.M. required, Ph.D. desirable, with special interest in avian pathology and diagnostic microbiology of domestic and laboratory animals or closely related field; minimum salary \$13,557 on a 12-month basis. Curriculum vitae and transcripts of undergraduate and graduate courses should be sent to **Dr. John P. Mixner, Chairman, Department of Animal Sciences, Cook College, Rutgers University, Box 231, New Brunswick, New Jersey 08903.** An Equal Opportunity/Affirmative Action Employer.

### BIOCHEMISTS and/or CELL BIOLOGISTS

Applications are invited for positions open fall 1975, assistant professor or higher. Candidates should send résumé, three letters of reference, reprints, and research plans. Preference will be given to developmental biology, membrane biochemistry, eukaryotic regulation, and cellular immunology; other candidates also considered but should be able to teach undergraduate and graduate courses in an NIH-sponsored training program. Postdoctoral experience and publications required. **Dr. Vernon Bode, Division of Biology, Kansas State University, Manhattan, Kansas 66506.** An Equal Opportunity Employer.

### BIOENGINEER

The Department of Engineering Sciences of the College of Engineering of the University of Florida invites applications for a Professorship in Engineering Sciences in the specialized area of biomechanics. The position is authorized as part of a Board of Regents Program of Distinction in Bioengineering in the College of Engineering. The salary is negotiable, and an appointment is to be made on or before 15 September 1975. Applicants should send complete biographical résumés before 1 January 1975 to **Knox Millsaps, Chairman, Department of Engineering Sciences, University of Florida, Gainesville, Florida 32611.** An Equal Opportunity/Affirmative Action Employer

### DEPARTMENT OF BIOLOGY

Applications are invited for the position of Bacterial Systematist. The successful candidate must also have a good background in either Bacterial Physiology or Immunology. A background in Bacterial Genetics would also be desirable. Appointment will be made at the Assistant Professor level, to commence 1 September 1975. Applicants should have a strong interest in undergraduate teaching and be capable of initiating an independent research program.

Closing date for receipt of applications: 15 March 1975. Apply to **Professor J. Phipps, Head, Department of Biology, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.**

### CHAIR OF PHYSIOLOGY TEXAS TECH UNIVERSITY SCHOOL OF MEDICINE

Applications and nominations are invited for the above position. It is expected that the above person should have a broad background in physiology and be able to blend the clinical and basic sciences. The applicants should be seriously interested in medical education and be able to perform the teaching and research functions usually expected in such a position. Interested individuals please contact:

**Dr. Robert Merrill  
Chairman of Physiology Search Committee  
Department of Pediatrics  
Texas Tech University School of Medicine  
P.O. Box 4569  
Lubbock, Texas 79409**

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University of the Witwatersrand  
Johannesburg, South Africa

SENIOR LECTURER/LECTURER  
IN GENETICS

Applications are invited for appointment to the above post in the newly established Department of Genetics. The ability to teach Population Genetics and a research interest in Molecular Genetics will be a recommendation.

The salary attached to the post presently falls within the following ranges:

Senior Lecturer: \$10,334.27 to \$13,286.92

Lecturer: \$7,873.72 to \$11,318.48

Improved salary scales are to be introduced shortly. Benefits include an annual bonus, pension, and medical aid facilities, and a housing subsidy (where applicable).

Intending applicants should obtain the information sheet relating to this post from the **Registrar, University of the Witwatersrand, Jan Smuts Avenue, Johannesburg, South Africa**, with whom applications should be lodged not later than 20 December 1974.

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## AUDIO



## Selected Recordings in Astronomy TAPES

For the past six years, AAAS has recorded selected symposia at its annual meetings, not only as a means of enlarging our audience but also as a valuable aid to education, particularly in classroom or seminar-type settings. The following tapes in the field of astronomy are available from AAAS as 5-inch open reels or as cassettes. Price: single session, \$19.95; multi-sessions, \$19.95 for first session, \$16.95 for each additional session of the same symposium. Approximate length of a single session is 3 hours. A complete listing of AAAS audiotapes is available free of charge on request.

- 12-69 Whither Lunar and Planetary Exploration in the 1970's? (I-III)
- 13-69 Space Astronomy (I-II)
- 14-69 Recent Developments in the Field of Pulsars (I)
- 15-69 Unidentified Flying Objects (I-III)
- 65-70 Interstellar Molecules and Chemistry (I-II)
- 90-71 Astronomy from a Space Platform (I-II)
- 99-71 The Early History of the Earth and Moon (I-II)
- 172-74 Cosmic Evolution (I)
- 177-74 Search for Extraterrestrial Life (I)
- 183-74 The Emerging Portrait of the Planets (I-II)
- 186-74 Velikovsky's Challenge to Science (I)

The hyphenated numbers preceding the symposium titles identify each title by tape number (preceding the dash) and by year of taping (after the dash). Roman numerals following the titles designate the number of sessions in each symposium.

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## POSITIONS OPEN

Applications are invited for the position of **BOTANICAL GARDEN DIRECTOR** at the Assistant/Associate Professor Rank, Ph.D. required. The appointment includes a half-time teaching obligation at the undergraduate and graduate levels. An active research program is expected.

Send curriculum vitae and names of three references to: **Dr. Richard L. Mansell, Chairman of Search Committee, Department of Biology, University of South Florida, Tampa, Florida 33620.**

Application deadline: 15 January 1975. *Equal Opportunity/Affirmative Action Employer.*

## NEW YORK MEDICAL COLLEGE VALHALLA, NEW YORK

### Chairperson, Department of Biochemistry

The Basic Sciences Division of New York Medical College has moved recently to suburban Westchester County 25 miles north of New York City. The Department of Biochemistry is seeking an outstanding individual to chair the Department and foster its growth in its new location. Currently, there are 16 full-time members of the Department engaged in research and teaching of medical and graduate students. Qualified individuals interested in the position should write to **Dr. Irving Rappaport, Chairman, Biochemistry Search Committee, Department of Microbiology, Basic Sciences Building, New York Medical College, Valhalla, N.Y. 10595.** *An Equal Opportunity/Affirmative Action Employer.*

## CLINICAL NEUROLOGIST

Immediate opening for Clinical Neurologist with postgraduate training and research experience in multiple sclerosis. To be appointed Instructor in the Department of Neurology. Applicant should send curriculum vitae and names of three references to: **John Gilroy, M.D., Professor and Chairman, Department of Neurology, Wayne State University School of Medicine, 325 Brush Street, Detroit, Michigan 48201.**

## DEAN, SCHOOL OF NATURAL SCIENCES AND MATHEMATICS

**Duties:** Responsible for providing leadership in developing and strengthening programs in the disciplines of biology, chemistry, geology, mathematics, and physics; assist in the development of academic policy and criteria; provide direction and supervision in matters of budget, personnel and research. **Qualifications:** Significant experience in college teaching; earned doctorate in one of school's disciplines; demonstrated leadership and administrative ability. **Starting date:** 1 July 1975. **Salary:** \$25,976 to \$33,017. Applications containing résumés, undergraduate and graduate transcripts, letters of recommendations, and other supporting documents should be submitted no later than 15 January 1975 to: **Louis Razzano, Chairman, Search Committee, Slippery Rock State College, Slippery Rock, Pa. 16057.** *An Equal Opportunity/Affirmative Action Employer.*

## DEAN

Dean, College of Science and Mathematics, University of North Carolina at Charlotte. The College is comprised of the Departments of Biology, Chemistry, Mathematics, and Physics with a full-time faculty of 61. Applicants should have successful teaching and administrative experience, established scholarship, strong educational interests, and should possess an earned doctorate and qualifications for appointment at the rank of Professor in one of the departments. Nominations and applications, including a summary of professional and academic experience and a list of references, should be sent by 15 January 1975 to: **Norman W. Schul, Search Committee Chairman, University of North Carolina at Charlotte, UNCC Station, Charlotte, North Carolina 28223.** *The University is an Equal Opportunity Employer.*

## DEVELOPMENTAL BIOLOGIST

Associate professor. Teaching experience and strong research program expected. Curriculum vitae, bibliography, reprints, official transcripts, and three evaluation letters to: **Dr. Glenn Aumann, Department of Biology, University of Houston, Houston, Texas 77004.**

*An equal opportunity employer*

## POSITIONS OPEN

### YORK UNIVERSITY— DEPARTMENT OF CHEMISTRY

Applications are invited for a senior position available 1 July 1975, in the field of chemical physics with experience in laser photochemistry. The successful candidate will play a leading role in establishing a major research center in this field. The appointment will be made at the rank of Full or Associate Professor. Salary negotiable and commensurate with rank. Send curriculum vitae, reprints, and names of three referees to **Professor G. O. Aspinall, Department of Chemistry, York University, Downsview, Toronto, Ontario M3J 1P3, Canada.**

In accordance with policy of Stanford University, the Department of Dermatology of Stanford University School of Medicine invites applications for qualified candidates in the field of **DERMATOLOGY**. Candidates must have passed the Dermatology Boards, as well as completed training in dermatology at an accredited institution. Additional specialty training, including research experience, is desirable.

*Stanford University has a faculty affirmative action program.* Interested candidates are requested to submit their curriculum vitae to **Dr. Eugene M. Farber, Professor and Chairman, Department of Dermatology, Stanford University School of Medicine, Stanford, California 94305.**

### DIRECTOR OF MEDICAL EDUCATION, RESEARCH AND CURRICULUM DEVELOPMENT

Applications are invited for the position of Director of Medical Education, Research and Curriculum Development of the newly established Northeastern Ohio Universities College of Medicine.

DMER&CD will work directly with the Dean of the College of Medicine in providing expert assistance to university and community hospital faculty groups in developing the basic medical science and clinical science curricula. Emphasis will also be placed on development of student achievement and faculty performance evaluation mechanisms. Curriculum is being organized to prepare a physician who is oriented to the practice of medicine at the community level, especially family physicians.

Northeastern Ohio Universities College of Medicine is a consortium of the University of Akron, Kent State University, and Youngstown State University in association with community hospitals in Akron, Canton, and Youngstown. The College expects to admit its first class of high school graduates into the 6-year integrated program in 1975.

Please submit curriculum vitae to:

**Dean Robert A. Liebelt, Ph.D., M.D.  
Northeastern Ohio Universities  
College of Medicine  
1640 Franklin Avenue  
Kent, Ohio 44240**

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### FACULTY POSITIONS AVAILABLE MEDICAL EDUCATION PROGRAM TEXAS A&M UNIVERSITY COLLEGE STATION, TEXAS 77843

Texas A&M University, in affiliation with Baylor College of Medicine is currently developing a new Program in Medical Education. The 2-year preclinical course of instruction will be presented primarily on the TAMU campus. The clinical curriculum, occupying the third and fourth years, will utilize the faculty and facilities of the Baylor College of Medicine and its affiliated hospitals in Houston as well as the Veterans Administration Center and the Scott & White Clinic and Hospital in Temple, Texas. Training experiences under the guidance of physicians in private practice are planned, both in the pre-clinical and clinical years. A major emphasis of this Program will be the training of physicians who, by virtue of their background and educational experience, will be prepared for and attracted to medical practice in communities other than the larger metropolitan centers.

Qualified individuals with teaching experience in human anatomy, physiology, biochemistry, pathology, pharmacology, microbiology, and general medicine in a medical school setting are invited to make application. Letters of application should include a résumé of pertinent prior experience and may be directed to:

**Dean of Medicine  
Office of Medical Careers  
Texas A&M University  
College Station, Texas 77843**

*Texas A&M University is An Equal Opportunity/Affirmative Action Employer.*

## POSITIONS OPEN

### EXECUTIVE SECRETARY

The **International Great Lakes Fishery Commission**, concerned with sea lamprey control and general research and management of fish stocks, seeks a senior fishery administrator, university graduate, minimum of 10 years of fishery experience to administer the Commission Office and act as coordinating and liaison officer in dealing with operating agencies. Salary \$30,000 upward, negotiable depending on qualifications. Further details available from **Great Lakes Fishery Commission, 1451 Green Road, P.O. Box 640, Ann Arbor, Michigan 48107.**

### FACULTY POSITION

Applications are invited for a faculty appointment in the Department of Medical Microbiology, College of Medicine, at the assistant professor level. Responsibilities include teaching medical virology, immunology, or the properties and control of infectious agents for graduate and medical students. Research may be in areas other than those represented by the teaching assignment, but should be fundamental biochemical or genetic studies in areas of immunology or microbiology with medical orientation. Applicants with substantial training or research experience in several areas of biochemistry and microbiology are preferred. Postdoctoral experience is required. Candidates would be expected to develop a strong research program. *Applications from women and minority group candidates are encouraged.* Send curriculum vitae and references to:

**Dr. Paul S. Sypherd  
Department of Medical Microbiology  
College of Medicine  
University of California, Irvine  
Irvine, Calif. 92664**

Faculty position in **FOREST PATHOLOGY** available on or about 1 January 1975. Basic and applied research on major root diseases and dwarf mistletoe parasitism of Pacific Northwest conifers. Appointment at rank of Assistant Professor and on 12-month basis. Ph.D. degree required. Salary dependent upon qualifications and experience and commensurate with Assistant Professor rank.

Send letter of application, curriculum vitae, reprints of published papers, transcripts, and three letters of recommendation to: **Dr. Thomas C. Moore, Head, Department of Botany and Plant Pathology, Oregon State University, Corvallis, Ore. 97331.**

*Oregon State University subscribes to a policy of active recruitment of women and minorities and invites all interested and qualified persons to apply.*

Applications are invited for a possible position in **HUMAN PHYSIOLOGY**. Applicants should be broad based and willing to teach introductory and/or advanced courses in human physiology to students in nursing, medical technology, biology, and psychology. Particular emphasis is needed in human physiological responses to disease and neurophysiology. Ph.D. and teaching experience preferred. Sangamon State University is a senior university emphasizing teaching competency, advising, and application of technical expertise to public affairs. Interested candidates should submit a curriculum vitae and a statement concerning their educational philosophy. *Equal opportunity employer.* **Biology Recruitment Committee, Office of Dean of Natural Science, Sangamon State University, Springfield, Illinois 62708.**

### LABORATORY MEDICINE FACULTY

University Program in Laboratory Medicine seeking Associate Directors in the Clinical Chemistry Laboratory, Endocrine Laboratory, and Blood Bank. M.D. Board eligible or qualified in Clinical Pathology or Medicine. Will have appropriate academic appointment in Medical School. Send curriculum vitae and list of references to **Dr. William W. McLendon, Chairman, Department of Laboratories, Memorial Hospital, University of North Carolina, Chapel Hill, N.C. 27514.** *Affirmative action employer.*

### NEUROPHYSIOLOGIST/BIOPHYSICIST

Vision research. Faculty position. Available September 1975. Minimum requirements: Ph.D. plus postdoctoral experience. Teaching responsibilities: anatomy and physiology of the eye, neural anatomy. Send curriculum vitae to **Jerry Rapp, Chairman, Department of Basic Sciences, State University of New York, College of Optometry, 122 East 25 Street, N.Y. 10010.** *Affirmative Action/Equal Opportunity Employer.*

## ASSISTANT STAFF EDITOR

Individual with a solid background in editing and some writing experience is sought to assist the presiding staff editor in reviewing and approving drafts and final proofs of Cordis' technical and marketing publications. After a short indoctrination period, will be expected to substitute for staff editor when requested.

The successful candidate will have a bachelor's degree in English with a minor in science or vice versa, including courses in biochemistry, physiology, and gross anatomy. Must also have 3 to 5 years of strong editing and substantial writing experience; with an orientation toward the medical fields. Should be thoroughly versed in the preparation of technical manuscripts for publication and be knowledgeable in the general mechanics of typesetting, layout and printing.

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## DIRECTOR NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES

The National Institutes of Health invites nominations and applications for the position of Director, National Institute of Allergy and Infectious Diseases (NIAID). This Institute is one of eleven research institutes within the National Institutes of Health, Public Health Service. The NIAID conducts, fosters, and coordinates basic and clinical research on human diseases caused by infectious organisms and by allergic and immunologic phenomena.

Applicants should have a doctorate in a science or medicine or both and demonstrated achievement and stature in a relevant biomedical discipline. The M.D. degree will not be considered an absolute requirement. In addition, the position requires a high degree of judgment, leadership, and executive ability.

Position in top U.S. Civil Service grade or comparable PHS Commissioned Officer grade, located in Bethesda, Maryland. Letters of publications and references should be sent to the Chairman of the Search Committee:

Ronald W. Lamont-Havers, M.D.  
Deputy Director

NATIONAL INSTITUTES of HEALTH  
Public Health Service  
Building 1, Room 107, Bethesda, Md. 20014

Letters must be received by  
20 December 1974 to be considered.

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## AUDIO



## Selected Recordings: Earth Sciences TAPES

For those interested in the earth sciences, AAAS offers an interesting and informative group of audiotapes, recorded over the past few years at AAAS annual meetings. These tapes are intended not only for use in personal listening libraries but also in classroom or seminar-type settings. They are available as 5-inch open reels or as cassettes. Price: single session, \$19.95; multi-sessions, \$19.95 for first session, \$16.95 for each additional session of the same symposium. Approximate length of a single session is 3 hours. A complete listing of AAAS audiotapes is available free of charge on request.

- 83-70 Latest Results of the Deep Sea Drilling Project (I)
- 100-71 Oceanography—Its Status Today and Outlook for the Future (I-IV)
- 101-71 The Energy Crisis: Some Implications and Alternatives (I-IV)
- 129-72 Changing the Weather (I-II)
- 138-72 New Approaches to Global Weather (I)
- 149M-73 Earthquakes and Earthquake Engineering (I-IV)
- 152M-73 The Sea and Its Resources (I-VI)
- 159M-73 The Earth Sciences in World Development (I-VI)
- 162M-73 Hurricanes (I-II)

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## POSITIONS OPEN

### PHYSIOLOGIST

Assistant or Associate Professor of Physiology to start as early as 1 July 1975. Neuroendocrinologist preferred with special interest in biosynthesis and structure of protein hormones to work collaboratively with well-established group. Successful candidate will be expected to participate in undergraduate and graduate teaching and to continue high quality research program. Applicants should send curriculum vitae and names of referees to **Dr. J. Kraicer, Department of Physiology, Queen's University, Kingston, Ontario, Canada.**

### DEPARTMENT OF HUMAN PHYSIOLOGY UNIVERSITY OF CALIFORNIA SCHOOL OF MEDICINE DAVIS, CALIFORNIA 95616

Applications are invited for two faculty positions, one in endocrinology, one in neurophysiology. Duties include teaching medical and graduate students and development of effective and independent research programs. M.D. or Ph.D. plus two or more years of postdoctoral experience required. Send curriculum vitae, publications list, and letters of reference to **E. M. Renkin, Chairman.**

*Qualified male, female, and minority candidates are encouraged to apply.*

**THE SCHOOL OF OPTOMETRY, UNIVERSITY OF CALIFORNIA, Berkeley,** has a permanent position immediately available at the assistant professor level. The Department hopes to attract a person with a background in optometry and graduate training in one of the following areas: optics, vision for the partially sighted, or community health optometry. The person would be expected to carry out active research in the person's own field of interest and teach in the School of Optometry.

*The University of California is an equal opportunity employer with an affirmative action program and welcomes applications from women and minority candidates.*

Submit complete curriculum vitae and reprints to **Dr. Kenneth A. Polse, School of Optometry, University of California, Berkeley, California 94720.**

## ACADEMIC DEAN AND ASSOCIATE DIRECTOR

### COLLEGE OF AGRICULTURAL AND ENVIRONMENTAL SCIENCES UNIVERSITY OF CALIFORNIA, DAVIS

The University of California, Davis campus, seeks to fill the position of Dean of the College of Agricultural Sciences and Associate Director of the Agricultural Experiment Station. The Dean has overall responsibility for academic and administrative operation of the College (23 departments, 2 divisions, 2 related organized research units) and the Agricultural Experiment Station. Teaching programs are grouped into six subject matter areas: animal sciences; plant sciences; pest and disease management; food, nutrition and consumer sciences; resource sciences; and applied economics and behavioral sciences. Experiment Station research complements the teaching programs and is divided into four main categories: natural resource conservation and management; commercial agricultural production, processing, and marketing; consumer and human oriented research, family and community; and disciplinary research. The College participates in campuswide undergraduate programs in biological sciences and environmental studies and graduate programs administered by the Graduate Division. The Dean reports to the Chancellor and works closely with other executive officers and deans in planning, program, and policy development.

Applicants should have qualifications requisite for appointment to the professorship; a commitment to quality and to innovation and flexibility in academic programs; demonstrated interest in and capacity for administrative leadership. Position is available July 1, 1975. Resume, supporting documents, and references should be addressed to **James H. Meyer, Chancellor, University of California, Davis, California 95616.** Applications accepted through December 31, 1974.

An Equal Opportunity Affirmative Action Employer

## POSITIONS OPEN

**PHARMACOLOGIST:** Applications are invited for the position of Assistant Professor of Pharmacology to assist in teaching dental hygiene students, dental students, and dental graduate students. Desire creative individual with broadly based research interests willing to work on individual as well as joint research projects. Send curriculum vitae to **Dr. Gerald P. O'Hara, Head, Division of Pharmacology, Marquette University, School of Dentistry, 604 North 16 St., Milwaukee, Wis. 53233.** *Marquette University is an equal opportunity employer.*

### PHYSIOLOGIST

Ph.D. to assist in instructing dental and nursing students in physiology and to develop an independent research program. Rank and salary dependent on qualifications. Specialty other than endocrinology or neurophysiology. Available September 1975. Send curriculum vitae and research prospectus to **Dr. Ralph A. Meyer, Jr., Department of Basic Science, School of Dentistry, Marquette University, 604 North 16 Street, Milwaukee, Wis. 53233.** *An Equal Opportunity Employer.*

### PLANT ANATOMY

Applications are invited from individuals interested in a position as Assistant Professor in the field of plant anatomy, starting September 1975. Applicants should have a strong background in basic structural and developmental botany, with a concentration on angiosperms preferred. Electron microscopy competence is desirable but not required. Teaching duties will include plant anatomy and introductory botany/biology offerings. Please send curriculum vitae, a statement of teaching and research qualifications, and names of three persons from whom letters of recommendation may be solicited to **Dr. Michael J. Wynne, Department of Botany, University of Texas at Austin, Austin, Texas 78712.** Application deadline: 31 January 1975. *An Equal Opportunity Employer.*

### POSTDOCTORAL FELLOW

Position available for postdoctoral fellow (M.D. or Ph.D.) in laboratory for studies of endocrine aspects of bone disease (experience with radioimmunoassay desirable). Apply to **Dr. David Baylink, Veterans Administration Hospital, 4435 Beacon Avenue South, Seattle, Washington 98108.**

## POSITIONS OPEN

### UNIVERSITY OF ILLINOIS PLANT BIOPHYSICIST

The Department of Physiology and Biophysics (Biophysics Division) and the Department of Botany are seeking a biophysicist working with plants or plant cells for fall 1975. Teaching will include developing a plant biophysics course. Desired research interests include but are not limited to membrane phenomena, ion transport, and energy coupling processes. Strong research interests and postdoctoral experience are essential. Send curriculum vitae, one-page outline of future research plans, and three letters of reference by 15 January 1975 to **Prof. Thomas Ebrey, 524 Burrill Hall, University of Illinois, Urbana, Illinois 61801.** *The University of Illinois at Urbana-Champaign is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women.*

### POSTDOCTORAL POSITIONS

(i) One biochemist or cell biologist trained in the isolation and characterization of chromosomal proteins to study the factors responsible for the induction of premature chromosome condensation. (ii) One cell biologist trained in cytogenetics to study the effect of cancer chemotherapy drugs on the chromosomes of human tumors. Salary based on experience. Positions available immediately. **Dr. Potu N. Rao, Department of Developmental Therapeutics, University of Texas, M. D. Anderson Hospital and Tumor Institute, Houston, Texas 77025.**

**POSTDOCTORAL POSITION,** formal title Associate. Research on primate pancreatic islet isolation, pancreas organ culture, and transplantation. Laboratory instruction in histology, neuroanatomy or gross anatomy also required. Appointment at \$12,000 renewal for a second year. Send curriculum vitae and names of three references to:

**Dr. W. Ann Reynolds  
Department of Anatomy  
University of Illinois at the Medical Center  
P.O. Box 6998  
Chicago, Illinois 60680**

*The University of Illinois is an Affirmative Action/Equal Opportunity Employer.*

### POSTDOCTORAL POSITION

Position available for individual with a strong background in biophysics, radiation biology, toxicology, or pharmacology. Conduct research on the deposition, clearance, and dosimetry of inhaled aerosols as part of a broad-based multidisciplinary team effort on the toxicity of inhaled radioactive and nonradioactive materials. Send curriculum vitae with references to **Personnel Unit, Inhalation Toxicology Research Institute, Lovelace Foundation, P.O. Box 5890, Albuquerque, New Mexico 87108,** or call 505-264-9431. *An Equal Opportunity/Affirmative Action Employer.*

### POSTDOCTORAL POSITION

To investigate the biochemical pharmacology of the heart. Applicants with backgrounds in pharmacology, biochemistry, organic chemistry, or electrophysiology will be considered. Send résumé and two letters of reference to: **Dr. Ryan Huxtable, Department of Pharmacology, University of Arizona College of Medicine, Tucson, Arizona 85724.** *The University of Arizona is an Equal Opportunity Employer.*

### THE UNIVERSITY OF MELBOURNE CHAIR OF PSYCHOLOGY

Applications are invited for the Chair of Psychology which has become vacant following the resignation of Professor A. Heron.

It is hoped that the successful applicant will take up duties on 1 August 1975 or as soon as possible thereafter.

**SALARY:** \$A19,614 per annum (under review)

Further information, including details of application procedure, superannuation, travel and removal expenses, housing assistance and conditions of appointment, is available from the Registrar. All correspondence (marked confidential) should be addressed to **The Registrar, The University of Melbourne, Parkville, Victoria, 3052, Australia.**

*Applications close on 10 January 1975.*



**University of the Witwatersrand  
Johannesburg, South Africa  
FACULTY OF MEDICINE AND  
SCHOOL OF GENETICS**

**CHAIR IN HUMAN GENETICS**

This is a new post in the Faculty of Medicine as well as in the School of Genetics. The Chair is not attached to a specific department, though, for administrative purposes, the appointee will be allocated to one of the Medical School departments, in accordance with the successful applicant's background and wishes, and the needs of the University. Although this arrangement will obtain initially, it is envisaged that ultimately a separate Division of Human Genetics will be established within the existing School of Genetics. The successful applicant should be medically qualified. He will be expected to teach medical students and science and honors students majoring in subjects taught at the Medical School, and general science students at the Milner Park campus. Experience in heredity counseling will be an advantage, and the incumbent will be expected to coordinate existing counseling services.

Salary will be determined according to qualifications and experience and will be either \$19,684.33 (fixed) or within the range \$15,747.46 to \$17,715.89.

Interested persons should obtain a copy of the information sheet relating to this post from the **Registrar, University of the Witwatersrand, Jan Smuts Avenue, Johannesburg, South Africa**, with whom applications should be lodged not later than 30 December 1974.

**ASSOCIATE DIRECTOR FOR  
DIABETES, ENDOCRINE, AND  
METABOLIC DISEASES**

The Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism, and Digestive Diseases, Bethesda, Maryland, invites applications for the position of Associate Director for Diabetes, Endocrine, and Metabolic Diseases, GS-602-15/16, salary range to \$36,000; the salary for employees at this rate is limited by U.S.C. 5308 to the rate for level V of the Executive Schedule (\$36,000 as of the effective date of this salary adjustment) per annum. Duties will include planning and direction of programs of support for research and training in the diagnosis, prevention, and treatment of diabetes mellitus and related endocrine and metabolic diseases. A medical degree, and extensive experience in basic or clinical investigations in this area, mandatory. Must have held position involving program development and direction in this area, and have recognized leadership ability. Must be citizen of the United States.

Forward resume or Federal Application Form (SF-171) no later than 31 January 1975 to: Mrs. June Ardizzone, Personnel Officer, Bldg. 31, Rm. 9A-34, National Institute of Arthritis, Metabolism, and Digestive Diseases.

**National Institutes of Health**  
Public Health Service  
Bethesda, Maryland 20014

*An Equal Opportunity Employer*

**University of the Witwatersrand  
Johannesburg, South Africa**

**CHAIR OF BOTANY**

Applications are invited for an additional Chair of Botany. Preference will be given to persons who have research interests in one of the modern aspects of the plant sciences.

The salary attached to the post is in the range R10,800 × 450 to R12,600 × 600 to R13,800, the initial salary to be determined according to qualifications and experience.

Intending applicants should obtain the information sheet relating to this post. The policy of the University is not to discriminate in the appointment of staff or the selection of students on the ground of sex, religion, race, color, or national origin. Further particulars relating to this policy and the extent to which it can be implemented in practice are included in the information sheet, which should be obtained from the **Registrar, University of the Witwatersrand, Jan Smuts Avenue, Johannesburg, South Africa**, with whom applications should be lodged not later than 6 January 1975.

**CLINICAL  
VALIDATION  
COORDINATOR**

Responsible individual with a background in physiology with some experience in the use of cardiovascular instrumentation. Knowledge of clinical chemistry and immunology desirable. Responsibilities would include the design and implementation of protocols relative to the clinical validation of new products.

A degree in the biological sciences is required, preferably a M.S. or Ph.D. One to 3 years of experience is desirable.

This unique position offers an excellent starting salary and complete company benefit program, including relocation.

If you qualify for this position, please send your resume including salary requirements to Mr. Hal Powell, Supervisor Professional Relations.

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## POSITIONS OPEN

### BIOCHEMICAL PHARMACOLOGISTS

Research Associate and also Fellow to pursue studies on biochemical pharmacology of murine and human cancer and biochemical pharmacology of inflammation. Background must include Ph.D. or M.D. preferably with experience in enzymology, protein and peptide chemistry. Salary \$13,500 for Research Associate; \$10,000 for Fellow. Respond to **Dr. L. M. Greenbaum, Department of Pharmacology, Columbia University, College of Physicians & Surgeons, 630 West 168 Street, New York, N.Y. 10032, Columbia University is an Equal Opportunity Employer.**

## POSTDOCTORAL IN MICROBIOLOGY

Positions currently open in all biology research. Candidates should have specific abilities in streptococcal transformation, carbohydrate chemistry, enzymology, chromatography. Applications from women and minorities welcomed. Salary approximately \$8,000. Send complete curriculum vitae to **Dr. Michael L. Freedman, B-7043, University of Connecticut Health Center, Farmington, Conn. 06032, An Equal Opportunity Employer M/F.**

### PREDOCTORAL GRADUATE ASSISTANTSHIPS

Applications are invited from qualified students for graduate studies in the basic health sciences. Programs of study include anatomical sciences, microbiology, pathology, pharmacological sciences and physiology, and biophysics. Prerequisites: B.S. degree in biological or physical sciences, with "B" average or better. Assistantships are available with stipends of \$4200 plus full tuition waiver. Inquiries should be addressed to **Dr. Madeline Fusco, Associate Dean, School of Basic Health Sciences, Health Sciences Center, State University of New York at Stony Brook, Stony Brook, New York 11794. Full consideration will be given to all qualified candidates in accordance with the University's affirmative action program.**

### PSYCHOLOGY

The Department of Psychology, Princeton University, anticipates several openings for the 1975-76 academic year. One is at the Full Professor level in social psychology, where we seek an addition to our ongoing program in social psychology. The other(s) at the Assistant Professor level are in general experimental psychology, with concentration in animal behavior, developmental and comparative psychology, or personality research. These latter anticipated openings are not rigidly tied to any specific area of expertise. Sheer excellence in research and teaching will override area-of-self-interest considerations.

Nominations and applications should be sent to the **Chairman, Department of Psychology, Green Hall, Princeton University, Princeton, New Jersey 08540. We are an Equal Opportunity Employer with a Vigorous Affirmative Action Program.**

### RESEARCH SCIENTIST-POSTDOCTORAL SCHOLAR

Laboratory position available investigating local control of blood flow. Doctoral degree desired in physiology, pharmacology, or bioengineering with some experience in either mathematical simulation of physiological systems or cardiovascular research techniques. Excellent fringe benefits. Salary commensurate with experience.

### RESEARCH INVESTIGATOR

Ph.D. required, preferably in anatomy. No experience beyond the doctoral level required, electron microscopy experience desirable. Should have an interest in neuroendocrinology. Will be participant in interdisciplinary program in reproductive endocrinology and will perform research in immunocytochemical electron microscopy. Excellent fringe benefits. Salary commensurate with experience.

Send résumé to:

**Ms. Stephanie MacKinney  
Personnel Office, Room A6004  
University of Michigan Medical Center  
1405 East Ann St.  
Ann Arbor, Michigan 48104**

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956

## POSITIONS OPEN

## POSITIONS IN NUCLEAR MEDICINE

**RADIOPHARMACIST, Ph.D.** to set up and supervise a central radiopharmacy, as well as assist in development of new compounds and instruction of personnel. **RADIOPHYSICIST, Ph.D.** to handle all aspects of physics in nuclear medicine, with emphasis on radionuclide production and use in patients; experience essential. **RADIOCHEMIST, Ph.D.** for experimental program on development of new radiolabeled compounds. Requires good background in use of radionuclides or synthetic work. **PHYSICIAN**, Board certified or eligible, with strong research potential for clinical responsibility and opportunity to develop new areas. Contact **Dr. Richard P. Spencer, Department of Nuclear Medicine, University of Connecticut Health Center, Farmington, Conn. 06032. An Affirmative Action, Equal Opportunity Employer. Applications from women and minority group members are welcome.**

### POSTDOCTORAL POSITION

Two-year fellowship training in Clinical Pharmacology. Send résumé and two letters of reference to:

**Dr. Philip Walson  
Department of Pharmacology  
University of Arizona College of Medicine  
Tucson, Ariz. 85724**

*The University of Arizona is an Equal Opportunity Employer.*

**PREVENTIVE DENTISTRY.** Full-time position for D.D.S. with graduate degree preferably in microbiology. To take charge of teaching preventive dentistry to both undergraduate and graduate dental students as well as to carry out research related to microbial mechanisms in caries and periodontal disease. Salary commensurate with experience. Position available 1 July 1975. Send résumé, including publications and names of references, to: **Dr. J. W. Stamm, Faculty of Dentistry, McGill University, Montreal, Canada, H3C 3G1.**

**PROFESSOR/ASSOCIATE PROFESSOR—PSYCHOLOGY (Ph.D.).** Established Psychologist recognized as having made significant contributions to social or organizational psychology to play leading role in undergraduate and graduate programs of research and instruction and whose experience and competencies qualify him/her to direct doctoral research in areas of specialization such as small group interaction, group productivity, intragroup communications, measurements of group effectiveness, and so forth. *Women and minority applicants encouraged.* **Dr. Edward H. Loveland, Director, School of Psychology, Georgia Institute of Technology, Atlanta, Georgia 30332. An equal opportunity employer.**

**RENAL OR CIRCULATORY PHYSIOLOGIST.** Ph.D. with interest in whole organ (kidney) preservation. Will work as director of human kidney harvesting-preservation laboratory of large midwestern university—VA transplantation center. Opportunity for independent research in organ preservation and participation in university teaching program. Salary and fringe benefits negotiable depending on training and experience. Send curriculum vitae and summary of research interests to **F. C. Whittier, M.D., Midwest Organ Bank, 3600 Broadway, Kansas City, Missouri 64111.**

**RADIOCHEMIST.** An active Nuclear Medicine division requires a Radiochemist with experience in preparation, handling, and quality control of isotopes for imaging and radioimmunoassay. A Ph.D. degree helpful. Division is in a 340-bed teaching hospital affiliated with the Albert Einstein College of Medicine. The position carries faculty appointment. Liberal fringe benefits. Please contact: **Lincoln Hospital, 320 Concord Avenue, Bronx, N.Y. 10454, (212) 960-5563. An Equal Opportunity Employer.**

### RESEARCH ASSOCIATE

Recent Ph.D. with experience in sulfated polysaccharides to carry out studies on biosynthesis of these compounds during carcinogenesis. Send curriculum vitae and reference to:

**Dr. T. L. Dao  
Department of Breast Surgery  
Roswell Park Memorial Institute  
Buffalo, New York 14203**

## POSITIONS OPEN

### PLANT ECOLOGIST/SOCIOLOGIST

Dalhousie University has a vacancy from 1 July 1975 for a plant ecologist/sociologist. Qualifications: Ph.D. and proven ability in teaching and research. Duties include teaching at the undergraduate and graduate levels, and developing a vigorous research program in terrestrial plant ecology. There is a possibility for major research support in interdisciplinary forest studies. Salary and rank negotiable; a senior appointment is possible. Curriculum vitae and names of three referees to be sent to: **Chairman, Department of Biology, Dalhousie University, Halifax, N.S., Canada B3H 4J1. Closing date: when position is filled**

### YALE UNIVERSITY REPRODUCTIVE BIOLOGY

Department of Obstetrics and Gynecology seeks a senior experienced investigator to lead reorganization and direction of departmental program in reproductive biology. New laboratory and animal facilities available. Strong clinical endocrinology, receptor pharmacology, electron microscopy, and in vitro fertilization elements already functioning. Appointment at Associate Professorship level (university funded) with joint appointment for appropriate individual in basic science departments with access to graduate students, and participation in university-wide reproductive biology center. *In accord with Yale University's Affirmative Action Program, the search committee welcomes women and minority group candidates.* Applicants should submit curriculum vitae and bibliography to **Nathan Kase, M.D., Chairman of Search Committee, Department of Obstetrics and Gynecology, Yale University School of Medicine, 333 Cedar Street, New Haven, Connecticut 06510.**

**STAFF OFFICER,** National Academy of Sciences Committee on International Scientific and Technical information. Programs. Position requires thorough knowledge of scientific and technical information transfer processes. International experience and/or knowledge of international organizations desirable. Doctorate degree with 4 years of germane experience or bachelor's degree with 12 years of progressive experience. Ability to plan, direct, coordinate, and supervise committee and staff activities. Good writing skills essential. Salary range 20-30k. *An Equal Opportunity Employer.* Applications must arrive by 31 December 1974. Respond to **Commission on International Relations, National Academy of Sciences, 2101 Constitution Avenue, NW, Washington, D.C. 20418.**

### TOXICOLOGIST

A faculty position as Assistant Professor of Toxicology is available in the Department of Environmental and Industrial Health, School of Public Health, The University of Michigan. Candidates should have a broad background of relevant training and a strong commitment to teaching and research in Toxicology. Duties will include lecture and laboratory teaching in Toxicology as well as the development of research areas of interest. Applicants should send curriculum vitae and three references to: **Dr. Herbert Cornish, Department of Environmental and Industrial Health, School of Public Health, The University of Michigan, Ann Arbor, Michigan 48104. A Nondiscriminatory, Affirmative Action Employer.**

### VERTEBRATE ECOLOGIST

With a commitment to excellence in the teaching of undergraduates to teach ecology, comparative anatomy, and general zoology. Fall 1975, Assistant Professor. To apply, send résumé, transcripts, thesis summary, and the names of three references to **Dr. W. K. Patton, Chairman, Department of Zoology, Ohio Wesleyan University, Delaware, Ohio 43015. An Equal Opportunity/Affirmative Action Employer.**

### THE AUSTRALIAN NATIONAL UNIVERSITY VICE-CHANCELLOR

The Vice-Chancellorship of the Australian National University will become vacant in February 1975.

The Chancellor, **Dr. H. C. Coombs**, invites men or women with appropriate experience and qualifications to write to him by 16 December 1974 at **Box 4 P.O., Canberra, A.C.T. 2600.** He would also welcome suggestions as to names which might be considered. All inquiries and suggestions will be treated in confidence.

SCIENCE, VOL. 186



# OBSTETRICIAN

The Pregnancy Research Branch, National Institute of Child Health and Human Development, National Institutes of Health, Public Health Service, Bethesda, Maryland, now has a position available for an Obstetrician to direct antepartum, intrapartum, and postpartum clinical research protocols, and to administer a fellowship program.

Applicant must be a board-qualified obstetrician with clinical research experience to qualify. Salary up to \$36,000 per annum, depending on experience. Medical Officers will be considered at the salary level in the 602 series.

Applicants should submit curriculum vitae with references to: Mrs. Helen Stafford, Personnel Officer, National Institute of Child Health and Human Development, Public Health Service.

## NATIONAL INSTITUTES OF HEALTH

Building 31, Room 2A-23  
9000 Rockville Pike  
Bethesda, Maryland 20014

An Equal Opportunity Employer

## UNIVERSITY OF THE WITWATERSRAND JOHANNESBURG, SOUTH AFRICA LECTURER IN MICROBIOLOGY

Applications are invited for the above post in the Department of Botany and Microbiology. A special knowledge in microbial industrial applications or microbial metabolism would be an advantage, but is not essential for the position offered.

The 2-year degree course, which is in the process of development, caters to both pure and applied aspects of microbiology.

The salary scale attached to the post is R6300 × 360 to R9180, and the initial salary will be determined according to qualifications and experience. Benefits include an annual bonus, pension, and medical aid facilities and a housing subsidy (if eligible).

Intending applicants should obtain the information sheet relating to this post. The policy of the University is not to discriminate in the appointment of staff or the selection of students on the grounds of sex, religion, race, color, or national origin. Further particulars relating to this policy and the extent to which it can be implemented in practice are included in the information sheet, which should be obtained from the Registrar, University of the Witwatersrand, Jan Smuts Avenue, Johannesburg, South Africa, with whom applications should be lodged not later than 10 January 1975.



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☐ \$41 Airlift to Europe, North Africa, Near East

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## POSITIONS OPEN

**TOXICOLOGY/PHARMACOLOGY.** Are you interested in the challenge of industrial toxicology? A major petrochemical company is expanding.

The Toxicology Department is charged with the toxicological evaluation of a wide variety of industrial chemicals, pesticides, and petroleum products through appropriate literature review, design, monitoring, and interpretation of experimental studies.

Minimum applicant requirements: Ph.D. in Toxicology or Pharmacology and 3 to 5 years of laboratory research experience.

Location in a suburban area, close to a major southwestern city.

Please send résumé and salary requirements to **Box 534, SCIENCE.**

*M/F, An Equal Opportunity Employer*

**VERTEBRATE NEUROPHYSIOLOGIST** with interests in neuroanatomy or animal behavior. Appointment to be made at either the Assistant or Associate Professor level depending upon educational background and experience. Ph.D. required. Send a curriculum vitae with statement of research and teaching experience to:

Emerson Hibbard  
Department of Biology  
208 Life Sciences I  
The Pennsylvania State University  
University Park, Pa. 16802  
*An Equal Opportunity Employer*

## TRAINING PROGRAM

**GRADUATE TRAINING PROGRAM IN OCCUPATIONAL HEALTH AND SAFETY OR RADIOLOGICAL HEALTH.** September 1975. 12-month interdisciplinary programs leading to the M.S. degree. Involves instruction in all aspects of Occupational Health and Safety or Radiological Health, seminars, special projects, field trips, and conferences. For further information write to: **Dr. Samuel Elkin, Director, Center for Environmental Studies, Temple University, 3307 N. Broad Street, Philadelphia, Pennsylvania 19140.**

## COURSES

Temple University, Department of Biology, will offer two courses in **Developmental Biology of Marine Invertebrates** at the Marine Biological Laboratory, Woods Hole, Mass., 12 May to 7 June 1975 (4 weeks). One course (six credits) will consist of an intensive lecture and laboratory survey of the development of all major and some minor marine invertebrate phyla from both descriptive and experimental points of view. The second course (six credits) will provide an opportunity for guided research on a problem in invertebrate development. The courses run simultaneously and the research course requires a background in invertebrate development equivalent to the survey course. Space for 15 in the survey course, and 5 in the research course. Tuition, \$324 (\$462 for out-of-state students) for each course; dormitory lodging and food costs, \$256. For further information, write to: **Dr. Richard L. Miller, Department of Biology, Temple University, Philadelphia, Pennsylvania 19122. Telephone 215-787-8869.** Deadline for receipt of completed applications: 31 January 1975. Accepted students will be notified by 15 February, at which time a tuition deposit of \$50 will be required to hold registration in either course.

## SANTA CATALINA MARINE BIOLOGICAL LABORATORY

The University of Southern California will offer an innovative **MARINE BIOLOGY SEMESTER** for junior and senior undergraduate students at its marine laboratory during the spring of 1975 and subsequent years. The semester will be divided into two halves, during each of which participants can take two four-semester unit courses: **Island Ecology, Comparative Physiology, and Research** will be offered 3 February through 27 March and **Biology of Marine Invertebrates, Developmental Biology of Marine Animals, and Research** from 7 April through 29 May.

Graduate level courses in **Marine Ecology and The Natural History of Santa Catalina Island** will begin 3 January 1975 and **Marine Plankton Ecology, Neurosciences Program, Physiological Ecology of Marine Animals, and Marine Microbiology** will be offered during the coming summer. **RESEARCH OPPORTUNITIES and CONFERENCE FACILITIES** are available throughout the year.

For additional information, write **Russel Zimmerman, Santa Catalina Marine Biological Laboratory, Box 398, Avalon, Calif. 90704** or telephone (213) 746-6793.

## REQUEST FOR PROPOSAL

### SMOKING AND HEALTH

Enviro Control, Inc., under a contract with the National Cancer Institute (NCI), National Institutes of Health, is interested in receiving sub-contract proposals for the following projects:

**Reference No. ECI-SHP-74-103. Pulmonary Screening Tests for the Effect of Cigarette Smoke on Small Airways in the Human Lung.** The goal will be to develop a standard test for very early response which can be applied to large scale screening. RFP available.

**Reference No. ECI-SHP-74-104. Clinical Trials for Pharmacological Approaches to Smoking Withdrawal.** The effort will be to investigate two classes of drugs (nicotine agonists and nicotine antagonists) which may alter the degree of smoking dependency which is believed to be caused by nicotine. RFP available.

Proposals are due 20 December 1974. Requests and inquiries must be in writing to **Subcontracts Administrator, Enviro Control, Inc., 1530 East Jefferson St., Rockville, Md. 20852.**

## PROFESSIONAL PROGRAM

### EYE RESEARCH INSTITUTE OF RETINA FOUNDATION ANNOUNCES A POSTDOCTORAL RESEARCH PROGRAM IN THE DEPARTMENT OF RETINA RESEARCH

The focus of the program is on experimental approaches to problems of the retina and the visual nervous system. Recent Ph.D.'s and M.D.'s who wish to obtain advanced research training in visual science are invited to apply. Full details of the program are set forth in a brief pamphlet that can be obtained by writing to:

Director, Postdoctoral Research Program  
Department of Retina Research  
Eye Research Institute of Retina Foundation  
20 Staniford Street  
Boston, Massachusetts 02114

## RESEARCH PROJECT

### OCEAN LIVING THE NEW FRONTIER

The Ocean Living Institute has been formed to conduct and promote research in oceanography and independent self-sufficient forms of community living on the ocean. It will encourage individuals and business firms to form investment groups to fund construction and operation of ocean based industries, serve as a clearinghouse for ocean living contacts, publish information on legal and other aspects of oceanic settlement, publish information on new concepts in oceanography, aquaculture, and oceanic settlement, and conduct tests on new concepts and devices.

The institute is a nonprofit corporation and contributions of cash and supplies are deductible for federal income tax purposes. The institute is in the formative stages, and is especially interested in hearing from people who can help to develop it.

Further information is available from, and contributions should be sent to:

**OCEAN LIVING INSTITUTE**  
23 River Road  
North Arlington, New Jersey 07032

## FELLOWSHIPS

### POSTDOCTORAL FELLOWSHIP

Available immediately for studies on the mechanism of chain termination in fatty acid synthesis. Salary dependent on experience. Apply to:

**Dr. Stuart Smith**  
Children's Hospital Medical Center  
Oakland, California 94609

**POSTDOCTORAL FELLOWSHIP** positions available 1 July 1975 and 1976 in the specialized center for thrombosis research, Temple University. M.D., Ph.D., or D.O. a prerequisite. Citizenship or permanent U.S. residency required. Program consists of training in the field of thrombosis and hemostasis. Stipends according to years of postdoctoral experience. Write **Sol Sherry, M.D., Temple University Hospital, Department of Medicine, 3400 North Broad St., Philadelphia, Pa. 19140. An Equal Opportunity/Affirmative Action Employer.**

### DOCTOR OF ARTS IN BIOLOGY

Applications for predoctoral fellowships are being accepted now from qualified students dedicated to college-level teaching and interested in studying for the D.A. degree in Biology. Applicants must hold an M.S. degree in Biology or its equivalent prior to the fall 1975 term. Fellowships carry a stipend of \$2800 per academic year plus tuition waiver. For details of this new program and application materials write to: **Biology Chairman, Box 8007, Idaho State University, Pocatello, Idaho 83209.**

### POSTDOCTORAL FELLOWSHIP

#### PROGRAM, CLINICAL AND LABORATORY IMMUNOLOGY RUSH MEDICAL COLLEGE

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For further information write the **Chairman, Department of Immunology, Rush Medical College, 1753 West Congress Parkway, Chicago, Illinois 60612.**

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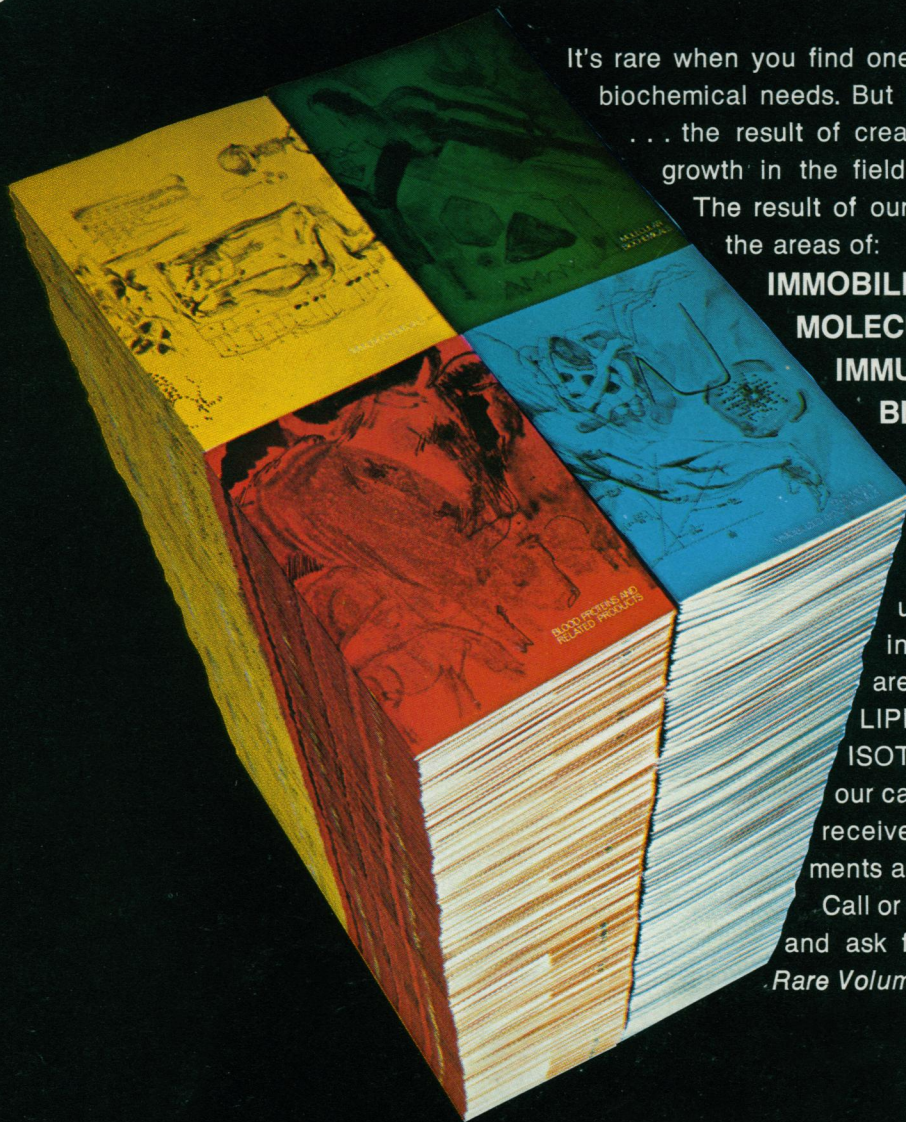
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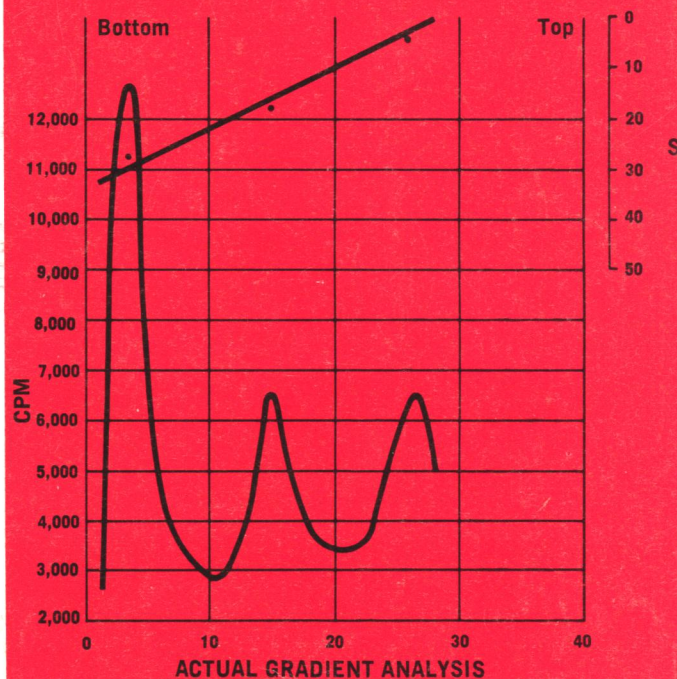
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
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