

Personnel Placement

Only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies and companies take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$110 per inch, minimum (1 inch is equivalent to 12 lines of 48 characters each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3 1/2 weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Send copy for display ads, 1/8 page and larger, to:

Scherago Associates, Inc.
11 West 42nd Street
New York, N.Y. 10036

BLIND AD replies should be addressed as follows:

Box (give number)
SCIENCE
1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Biochemist, Ph.D. Nine years of experience in neurochemistry purification and characterization of enzymes and proteins in developing nervous system and axoplasmic transport system. Seeks academic/research position. Box 56, SCIENCE. X

Biochemist, Ph.D. 1974. Teaching, research, and clinical experience. Research interests: metabolism and peptide isolation-purification. Desire teaching and research position. Prefer Southwest. E. R. Hall, Route 1, Box 98F, St. Augustine, Fla. 32084.

Biochemist, Ph.D. 1972. Research interests in blood cell chemistry, particularly in the effect of steroid hormones on lymphocyte nucleotide metabolism. Experienced in cell separation, protein purification, and enzymology. Formal teaching experience at both college and medical school levels. Seeks a research and teaching position where interdisciplinary cooperation is encouraged. Box 49, SCIENCE. X

Biologist/Programmer. Marine ecology. Ph.D. expected 1975. Strong practical background in application of small computer systems. Seeks job developing direct data acquisition system for biological or medical research group. D. P. B. Smith, Birge Hall, University of Wisconsin, Madison, Wisconsin 53705.

Bioorganic Chemist (Ph.D.) 1973, postdoctoral experience, seeks permanent medical research position. Nucleoside, nucleotide, peptide chemistry experience. D. Yamamoto, Chemistry Department, University of Arizona, Tucson, Arizona 85721. X

Geneticist/Neurophysiologist. Ph.D. *Drosophila* neurogeneticist with intensive training in insect electrophysiology. Five years of postdoctoral experience. Publications. Desire research and/or teaching position. Box 50, SCIENCE. X

Limnologist-Pollution Ecologist/Educational Administration-Public Relations-Teaching. Husband/wife team. Degrees: Ph.D./M.A. in Communications Arts, Education Specialization in Administration. Research and teaching experience with publications. He seeks teaching and research; she educational administration, public relations, or teaching positions in United States/Canada. Box 51, SCIENCE. X

Zoologist, Ph.D. Seeks teaching or teaching-research position. Interests include invertebrate zoology, invertebrate physiology, parasitology. Box 54, SCIENCE.

2/14, 21, 28; 3/7, 14, 21, 28; 4/4, 11

POSITIONS WANTED

Wanted: undergraduate-oriented biology department where broadly trained **Geneticist (Ph.D.)** 1965) can contribute to innovative program. Experience in curriculum development; A.T., modular, and interdisciplinary teaching. Postdoctoral (human genetics). Sixteen years of professional experience (11 full-time university). Available September. Box 21, SCIENCE. X

Experienced research **Micropaleontologist (Ph.D.)** seeks position in New Jersey area. Background includes oceanography, geology, and marine biology. Résumé (including publications list) sent upon request. All replies strictly confidential. 253 Sherwood Avenue, Trenton (Mercerville), N.J. 08609. X

Nutritional Biochemist, Ph.D. 1973. Lipids, vitamins, atherosclerosis, and clinical nutrition. Postdoctoral training: alcohol toxicology, experimental liver pathology, immunology, Mallory-hyalin protein characterization, electron microscopy. Desires research position. Available April 1975. Box 52, SCIENCE. X

Physiologist, Ph.D., 4 years of experience on medical school faculty. Research interests are in the areas of mechanism of platelet aggregation and platelet storage phenomena. Seeks research or research/teaching position. Box 53, SCIENCE. X

Plant Physiologist/Biochemist, Ph.D. Agricultural scientist, strong basic and applied background includes 6 years of research/teaching and 6 years of agricultural management. Plant growth regulation, mineral nutrition, and protein research. Innovative and well read. Interested in challenging career domestically or abroad. Box 47, SCIENCE. X

POSITIONS OPEN

UNIVERSITY OF ILLINOIS COLLEGE OF MEDICINE SCHOOL OF BASIC MEDICAL SCIENCES AT URBANA-CHAMPAIGN

Position Opening Assistant Professor

MICROSCOPIC ANATOMIST: To participate in curriculum development and supervision of medical students learning in a self-paced, guided study program; major responsibilities in conducting seminars and/or tutorial sessions; will hold joint appointment in one department of School of Life Sciences, University of Illinois, Urbana-Champaign campus.

SALARY: Open. Ph.D. and/or M.D. with capacity for original research as evidenced by publications of high quality; preference given to candidates with postdoctoral experience in appropriate department.

APPOINTMENT EFFECTIVE: Open to negotiation.

Address correspondence to **Ray L. Watterson, Chairman, Search Committee, 515 Morrill Hall, University of Illinois, Urbana, Illinois 61801.**

The University of Illinois is an AFFIRMATIVE ACTION-EQUAL OPPORTUNITY EMPLOYER and encourages applications from members of minority groups and women.

ASSISTANT PROFESSORS (two). Environmental Science Program; salaries open; 2-year term appointments; Ph.D.'s required. (i) **Resources/Environmental Economist**—specialist in evaluation of natural resources, cost/benefit analysis, recreation; with regional emphasis. (ii) **Systems Ecologist**—specialist in abiotic systems or environmental engineering and energy. Write with résumé to: **Dr. William Berberet, Director, Institute for Man and His Environment, Box 1000, State University of New York, Plattsburgh, New York 12901, by 1 March 1975. An Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR

The Department of Anesthesiology of the University of Wisconsin-Madison Medical School invites applications from qualified candidates for faculty positions at the Assistant Professor or, if appropriate, at a higher level. Interested applicants should send a curriculum vitae with a detailed description of clinical, teaching, and research interests. Correspondence should be addressed to: **Dr. S. Craighead Alexander, Professor and Chairman, Department of Anesthesiology, School of Medicine, University of Wisconsin-Madison, Madison, Wisconsin 53706. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

ASSISTANT OR ASSOCIATE PROFESSORS

1) **Microbiologist, General Biologist.** Microbiology courses for major students and for nursing students. Also freshman biology for nonscience students.

2) **Physiologist, Geneticist.** Courses in advanced physiology genetics, developmental biology, and histology.

Positions open 1 September 1975. Ph.D. required. Primarily teaching but research actively encouraged. Undergraduate research direction available. Send curriculum vitae, representative publications, and names of three references by 15 March to **Dr. Donald Procaccini, Chairman, Department of Biology, Emmanuel College, Boston, Mass. 02115. An Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR. Assistant professor with joint appointment in the Institute of Comparative Medicine and Veterinary Science and Department of Veterinary Pathology, College of Veterinary Medicine, Washington State University, Pullman, Wash., to interact with a research team investigating immunotherapy, lymphocyte function, metabolism and regulation in immunodeficiency disorders, as well as studying infectious disease processes. Qualifications include D.V.M. or M.D. degree with advanced in-depth training in pathology and immunopathology. Experience with animal experimentation and in vitro techniques of cell mediated and humoral immunity are requisite. In vitro techniques encompass lymphocyte transformation, lymphocyte cytotoxicity, and antibody purification and assay including radioimmunoassay techniques. Training and experience should include at least 3 years of research experience with evidence of productivity in the form of publications in refereed journals. Apply with résumé to **Dr. Travis McGuire, Institute of Comparative Medicine and Veterinary Science, Washington State University, Pullman, Wash. 99163. An Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF ANATOMY

An anatomist Ph.D. and/or M.D. with predoctoral experience in an anatomical sciences training program and 2 to 3 years of postdoctoral experience in anatomical teaching and research. Must be interested in independent and/or collaborative research in the field of cardiac gross and histopathology at the light and EM level and should preferably have published in this field. Must be prepared to assist in teaching Gross Anatomy to medical and graduate students. Salary dependent on qualifications and experience. Apply to **Dr. W. K. Metcalf, Chairman, Department of Anatomy, University of Nebraska Medical Center, 42nd and Dewey Avenue, Omaha, Neb. 68105. UNMC is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF PHYSIOLOGY

The Department of Physiology-Anatomy, University of California, Berkeley, invites qualified individuals to apply for the position of Assistant Professor of Physiology. Teaching responsibilities will be in mammalian physiology, primarily at the advanced undergraduate and graduate school levels for our physiology and health sciences programs.

The particular research field is not specified but should be in some area of systemic function such as cardiovascular, pulmonary, renal, or gastrointestinal physiology. Candidates should be thoroughly involved in an ongoing active research project, be successful contributors to that area, and be prepared to develop a vigorous research program within the department.

Interested persons should write a letter explaining their qualifications and enclosing a current curriculum vitae and a list of three or more persons who could act as referees to: **Physiology Search Committee Chairman, Department of Physiology-Anatomy, Berkeley, California 94720. The University of California is an Equal Opportunity Employer. Women and minorities are encouraged to apply.**

DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY UNIVERSITY OF WISCONSIN

A faculty position at the level of Assistant Professor will be available on or after 1 July 1975 for a person with strong biochemical research as well as teaching interests. The department has teaching responsibilities for graduate and medical and other health science students. Applicants should have had postdoctoral research experience and should submit a curriculum vitae, a complete bibliography, names of three persons knowledgeable of the candidate's research or teaching ability, and a brief statement of future research interests. These materials should be received by the **Search Committee, 572 Medical Science Building, University of Wisconsin Medical School, Madison, Wis. 53706, not later than 1 March 1975. The University of Wisconsin School of Medicine is an Equal Opportunity Employer and applications from women and members of minority groups are encouraged.**

POSITIONS OPEN

ASSISTANT PROFESSOR IN BIOLOGY

Available Fall 1975. Sixteen-member department offers B.A., B.S., M.A. degrees in biology; B.S. in medical technology. Qualifications Ph.D., broad-based biology background; specific strengths in ecology-population biology or developmental biology-genetics desirable. Apply before 1 March to: **Chairman Department of Biology, State University of New York College at Geneseo, Geneseo, N.Y. 14454. Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF MEDICINE with training in clinical and investigative aspects of calcium metabolism. Ability in bedside teaching essential. Applications for this position from qualified individuals are requested. *Columbia University is an Equal Opportunity Employer* and women and minority group members are encouraged to apply. Send curriculum vitae and bibliography to **Charles A. Ragan, M.D., Department of Medicine, Columbia University College of Physicians and Surgeons, 630 West 168 Street, New York, N.Y. 10032.**

ASSOCIATE VICE PRESIDENT FOR EDUCATIONAL DEVELOPMENT AND RESEARCH UNIVERSITY OF IOWA

Responsible for general supervision of the Office of the Vice President, and liaison with Congress, federal agencies and major private foundations. Applications and nominations should be sent to: **D. C. Spriestersbach, Vice President for Educational Development and Research, Graduate College, University of Iowa, Iowa City, Iowa 52242. The University of Iowa is an Equal Opportunity Employer.**

FACULTY POSITION IN BIOCHEMISTRY

Assistant Professorship beginning September 1975. Position involves undergraduate and graduate teaching and development of an active research program, preferable in biochemical genetics, biophysics, or environmental biochemistry. Ph.D. required; postdoctoral experience desirable. Send résumé, brief description of proposed research, transcripts, and three letters of reference to **Dr. Robert E. Van Atta, Head, Department of Chemistry, Ball State University, Muncie, Ind. 47306.** All credentials must be received prior to 1 March 1975. *An Equal Opportunity/Affirmative Action Employer.*

DEPARTMENT OF BIOLOGY, UNIVERSITY OF CALIFORNIA RIVERSIDE, CALIFORNIA 92502

Applications are invited from all qualified individuals and especially women and minority candidates for four faculty positions (Assistant Professor) to begin 1 July 1975. Duties will include participation in the new Biomedical Sciences Program. This cooperative program of UC Riverside, UCLA School of Medicine and the San Bernardino County Medical Center consists of 5 years of primary studies in college subjects, the basic sciences and the introductory years in medical studies at UCR-SBCMC and two final years of study for the M.D. degree at the UCLA School of Medicine. It is anticipated that faculty will develop an independent research program as well as participating in graduate training.

Population Biologist. Ph.D. or equivalent degree in ecology or population genetics or closely related disciplines. Duties: teaching introductory courses in population biology and a more advanced course such as population or systems. **Human and Medical Geneticist.** Ph.D. or equivalent degree in human genetics or closely related disciplines. Postdoctoral and/or teaching and research experience should be in one of the following: somatic cell genetics, developmental genetics, immunogenetics, experimental cytology, genetics of gametes, cytogenetics, polygenic inheritance in man, cytogenetics, and behavioral genetics. Duties: teaching responsibility for a course in human genetics.

Mammalian Physiologist. Ph.D. degree or equivalent in mammalian physiology or closely related discipline. Duties: participation in a biology course for sophomores in the program as well as preclinical courses in physiology and/or pharmacology.

Development Biologist/Experimental Cytologist. Ph.D. degree or equivalent with teaching and research emphasis in one (or more) of the following: animal morphogenesis, cell organization and development, membrane structure and function. Duties to include instruction in courses according to qualifications and special interests.

Applicants should submit curriculum vitae, three letters of recommendation, transcripts and résumé of teaching and research goals to **Dr. Irwin Sherman, Chairman, Department of Biology, The University of California is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

BIOLOGY

Evolutionary Biologist: Rank open. Qualifications: Established research reputation in evolutionary processes in populations and communities, ecological genetics or behavioral ecology. Duties involve graduate and undergraduate teaching (including comparative vertebrate zoology) and research. Salary negotiable depending upon qualifications. Curriculum vitae, reprints, and names of three referees should be sent to: **Dr. H. D. McCurdy, Head, Department of Biology, University of Windsor, Windsor, Ontario, Canada, on or before 1 May 1975.**

Postdoctoral Fellow or Research Associate: Microbiologist or biochemist with interest in polysaccharide chemistry, ultrastructure, or cell regulation mechanisms for research on prokaryotic developmental systems (*Myxobacteria* and blue greens). Salary \$8500 and possible teaching supplement. Curriculum vitae, reprints, and names of three referees should be sent to: **Dr. H. D. McCurdy, Head, Department of Biology, University of Windsor, Windsor, Ontario, Canada, on or before 1 May 1975.**

BIOLOGY INSTRUCTOR

To be responsible for the logistics and supervision of laboratory sections in general biology course. Two-year appointment with 1 year renewable. Master's degree expected. Send curriculum vitae and two names of reference to **A. D. Chiquoine, Department of Biology, Hamilton College, Clinton, New York 13323.**

An Equal Opportunity/Affirmative Action Employer

BIOPSYCHOLOGIST

Assistant Professor, beginning September 1975. We are particularly interested in candidates specializing in hormone-brain-behavior interrelationships, sensory (especially visual) neurophysiology, or central nervous system development and plasticity.

Applications from members of minority groups and women are most welcome. Send curriculum vitae and at least three letters of reference to: **Dr. Robert E. Johnson, Chairman, Biopsychology Search Committee, Department of Psychology, Cornell University, Ithaca, New York 14850. Cornell University is an Equal Opportunity Employer, M/F.**

CELLULAR BIOLOGIST/IMMUNOLOGIST

Position open for Ph.D. or D.Sc. in Department of Pathology and Clinical Pathology, 540-bed general hospital with active residency programs. Will direct section of Immunology and expand and implement RIA and immunofluorescent procedures, estrogen-binding studies in breast cancer, tumor-associated antigen studies, and laboratory support for clinical immunology. Should have strong interest in postgraduate physician teaching and application of research methods to clinical diagnostic problems. Competitive salary and benefits. Submit curriculum vitae to **David S. Johnson, M.D., Pathology Department, Good Samaritan Hospital & Medical Center, 1015 NW 22 Avenue, Portland, Oregon 97210. An Equal Opportunity Employer.**

CELLULAR IMMUNOLOGIST

Immediate opening for Ph.D. cellular immunologist to conduct and supervise research program on Role of Lymphocytes and Macrophages in Neoplastic and Autoimmune Disorders. Previous experience in immunofluorescence and tissue culture desirable. Send curriculum vitae, reprints, and names of three references to **Chief, Personnel Service (135A), Veterans Administration Hospital, 54th Street and 48th Avenue South Minneapolis, Minnesota 55417. An Equal Opportunity Employer.**

CHAIRPERSON. For fall 1975 for department of 20 faculty, approximately 65 graduate students, and 400 undergraduate majors with Ph.D. programs in experimental, social, and clinical. Good prospects for modest expansion in faculty size. Must have academic and administrative skills. Rank and salary open. Apply to **William L. Simmons, Chairperson Search Committee, Department of Psychology, State University of New York at Albany, 1400 Washington Avenue, Albany, New York 12222. SUNY Albany is an Affirmative Action/Equal Opportunity Employer.**

CHAIRMAN, PROGRAM IN HUMAN GENETICS

Experience in human cytogenetics and/or genetic counseling desirable. Opportunity to develop genetics program, including teaching, research, graduate training, and patient care in a major medical center. Send curriculum vitae to: **Daniel T. Watts, Dean, School of Basic Sciences, Box 175, MCV Station, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia 23298. Telephone 804-770-4033. An equal opportunity/affirmative action employer.**

POSITIONS OPEN

CHAIRPERSONS being sought for **PATHOLOGY, MICROBIOLOGY, BIOCHEMISTRY, and FAMILY MEDICINE** departments in East Carolina University School of Medicine, now expanding to degree-granting status. Send inquiries with curriculum vitae to: **Dean's Office, School of Medicine, P.O. Box 2701, East Carolina University, Greenville, N.C. 27834. An Equal Opportunity/Affirmative Action Employer.**

LOCK HAVEN STATE COLLEGE LOCK HAVEN, PENNSYLVANIA 17745

Lock Haven State College invites applications for the position of Dean of Arts and Sciences. Applicants should have an earned doctorate or equivalent experience. Effective date: on or about 1 July 1975. Closing date: 15 February 1975. Send application with detailed résumé to: **Dr. Robert C. Scherer, Lock Haven State College, Lock Haven, Pa. 17745.**

DIRECTOR, BIOMEDICAL COMPUTING TRAINING GRANT. Ohio State University, College of Medicine and Department of Computer and Information Science, is seeking a Director for a NIH/NLM funded training grant. Director of this training program must hold a Ph.D. or M.D. degree and qualify for a faculty appointment in either the Department of Computer and Information Science or a department in the College of Medicine. Primarily teaching but many research opportunities are available. Send curriculum vitae and references to **Gregory Trzebiatowski, Ph.D., Assistant Dean for Medical and Graduate Education, Ohio State University College of Medicine, 2066 Graves Hall, 333 West 10th Ave., Columbus, Ohio 43210. Equal Opportunity Employer.**

DIRECTOR TARONGA ZOO SYDNEY, AUSTRALIA

The Zoological Parks Board of New South Wales invites applications for the position of Director of this world recognized zoo situated on the shores of Sydney Harbour.

As well as the long established Taronga Zoo, with aquarium, the new Western Plains Zoo situated at Dubbo in New South Wales is being developed as an open-range zoo. The zoos are used as an important teaching resource and new school facilities are being developed.

The man sought will have the opportunity of heading a major development programme for these zoos, and will control all operations through a staff in excess of 150 including scientific, technical, teaching, administrative and general personnel. Research activities will be encouraged.

The successful applicant will probably be at least 40 and will possess tertiary scientific qualifications and advanced management qualifications. A thorough knowledge of general business administration is essential and direct experience in the running of a zoo or other scientific institution would be highly regarded. Research experience in zoology or veterinary science would be a plus factor.

An attractive salary plus benefits are offered and in addition a fully serviced house is available.

Applications should include full details of qualifications and experience and include names of at least three referees. They will be dealt with in the strictest confidence by a firm of international management consultants and in the first instance should be addressed to:

**"Director,
C/-P.O. Box 393,
MILSONS POINT NSW 2061
AUSTRALIA."**

Physical Oceanographer

GS-12 or 13, \$18,463 or \$21,816

The Ocean Science and Technology Division of the Office of Naval Research has an immediate opening for a Scientific Officer in the Physical Oceanography Program at a level of GS-12 or 13, depending on the qualifications of the applicant. Duties include evaluation of proposals for the conduct of basic research. Requirements for the position include a Ph.D., a strong theoretical background, sea-going experience, and broad familiarity with the national oceanographic community. Considerable travel is required. Applicants should submit the standard form 171 to Director, Code 1817-REH, 8040-480, Naval Research Laboratory, Washington, D.C. 20375, on or before

14 March 1975

For information contact Dr. James J. O'Brien, Office of Naval Research, Code 481, Arlington, Va. 22217, (202)767-2856.

An Equal Opportunity Employer

RESEARCH PLANNING OFFICER

Salary: \$25,581 to \$36,000
(dependent on qualifications)

The National Cancer Institute, National Institutes of Health, seeks an M.D. or Ph.D. with special competence in the field of cytogenetics and cancer biology, and experience in laboratory or clinical investigation in some aspects of cancer.

The selected candidate will assume responsibility for analysis of the activities of various governmental agencies and institutions, and non-governmental organizations as they relate to the National Cancer Program. Duties also include participation in planning for organization and development of new operational research programs.

This is a unique opportunity for a professional person specializing in cytogenetics and cancer biology to make a meaningful contribution to the National Cancer Program for which the National Cancer Institute has assumed leadership responsibility.

Please send your résumé no later than 28 February 1975 to:

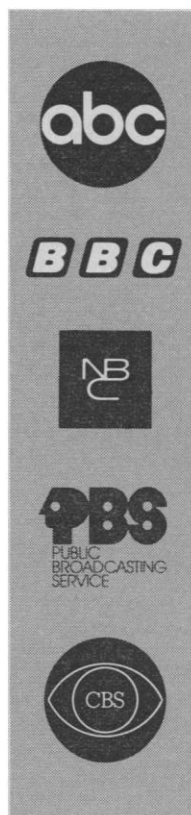
Mr. Thomas Reed
Personnel Management Specialist, NCI
Building 31, Room 3A-32
Bethesda, Maryland 20014

**National Institutes of Health
Public Health Service**

Bethesda, Maryland
(a suburb of Washington, D.C.)

An Equal Opportunity Employer

Science on Television



A 32-page illustrated report on television and science—how programming decisions are made on commercial television; why networks don't buy non-network productions, even if sponsored; the current and future (somewhat shaky) prospects for science on public television; the possibilities—and realities—of science on cable television; some back-of-the-camera perspectives from a television science reporter, a public television producer, and others; a physician's view of "Marcus Welby, M.D.;" and a look at television systems in other countries—BBC in Great Britain and NHK in Japan.

Contributors include:
Les Brown, radio and television correspondent for *The New York Times*;
Frank Field, science editor, WNBC-TV, New York; Fred Warshofsky, former science editor and chief writer for "The 21st Century;" Graham Chedd, science editor, "Nova;" Walter S. Baer, The Rand Corporation.

Dissatisfactions with the quality and quantity of science on television are both historical and continuous. This AAAS paper gives a multifaceted perspective of a communications system that dominates our culture but whose workings are a puzzle to many.

Send form and payment to:
Department BK-1
AAAS
1515 Massachusetts Avenue, N.W.
Washington, D.C. 20005

_____ Please send me _____ issue(s) of *Science on Television*
@ \$2.50/copy.

_____ A check for \$ _____ is enclosed. (Make checks
payable to AAAS)

_____ Please let me know the cost for a bulk order of _____
copies (minimum 25).

Name

Address

City

State

Zip

POSITIONS OPEN

DIRECTOR NEW ZEALAND LOGGING INDUSTRY RESEARCH ASSOCIATION

This is a foundation position which will pioneer Logging Research in New Zealand and allow extensive opportunity for the application of initiative by the appointee.

The proposed research institution will be located at Rotorua, be funded jointly by industry and government, and serve a vigorous growth component of increasing importance to the New Zealand economy.

It is essential that the person occupying the position of Director have the ability to work harmoniously with government, industry, and research organizations and be conscious that all projects, short or long term, will be oriented toward giving economic benefits to the forest industry.

Applicants should be professionally qualified preferably in the field of Forestry, Engineering, or Science and desirably have had research and/or management experience related to the forest industry.

Salary payable will be in the \$13,000 to 15,500 NZ range, depending on qualifications and experience. Merit promotion is available beyond this.

Detailed conditions of employment and further information on the position will be forwarded on application to:

The Ambassador
New Zealand Embassy
19 Observatory Circle NW
Washington, D.C. 20008

Applications close on 31 March 1975.

DEPARTMENT OF ENTOMOLOGY UNIVERSITY OF CALIFORNIA, RIVERSIDE

A full-time position at level of Assistant Entomologist and Assistant Professor will be available 1 July 1975. Duties will involve 90 percent basic and applied research on insect pest management of vegetable crops in southern California and 10 percent teaching, including graduate student supervision. The Ph.D. is required. Applicants should have training in applied entomology, ecology, insect toxicology, and statistics. Closing date for applications is 1 March 1975. Send résumé, names of five referees, transcripts of undergraduate and graduate work, and list of publications to: **W. H. Ewart, Search Committee Chairman, Department of Entomology, University of California, Riverside, California 92502.** *The University of California is an Equal Opportunity/Affirmative Action Employer.*

DEPARTMENT OF ENTOMOLOGY UNIVERSITY OF CALIFORNIA, RIVERSIDE

A full-time position at the level of Assistant Entomologist and Assistant Professor will be available 1 July 1975. Duties will involve basic and applied investigations in biology, ecology and management of insects (household, nuisance, structural, etc.) in urban-industrial environments, combining basic studies with field projects, supervision of graduate students, and will develop into some course instruction. The Ph.D. is required. Closing date for applications is 1 March 1975. Send résumé, names of five referees, transcripts of undergraduate and graduate work, and list of publications to: **L. A. Riehl, Search Committee Chairman, Department of Entomology, University of California, Riverside, California 92502.** *The University of California is an Equal Opportunity/Affirmative Action Employer.*

Ph.D. and willingness to accept an anticipated joint appointment in a new multidisciplinary **Environmental Studies program** (67 percent) and in one of the field-oriented science departments, preferably geology (33 percent), essential. Teaching duties in the analysis and preparation of environmental impact statements, environmental geology or other environmentally related discipline, and in a research specialty. Field of specialization open. Research excellence expected. Send curriculum vitae and references to **Chairman, Environmental Studies, University of California, Santa Barbara, Calif. 93106.** *The University of California is an Equal Opportunity, Affirmative Action Employer.*

FACULTY VACANCY

The Department of Geology and Geological Engineering, University of Mississippi, has a faculty vacancy in geomorphology, geohydrology, or related fields. The appointment will be for 2 years, but may become permanent. The Ph.D. is desired, but outstanding candidates with the M.Sc. will be considered. The appointment could start as early as January 1975. Please send inquiries to **Dr. Velon H. Minshew, University, Miss. 38677.** *The University of Mississippi is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

EVOLUTIONARY BIOLOGIST

Position for Assistant Professor of Biological Sciences as of September 1975. Candidates must be prepared to develop vigorous research program in Biosystematics at cellular, organismic, or population level, and to direct graduate students toward M.S. and Ph.D. degrees. Teaching responsibilities will involve courses in Evolution, Cytogenetics, and periodic participation in Introductory Biology. Preference to candidates with background in Plant Sciences and with postdoctoral experience. Closing date for applications 1 March 1975. Application including curriculum vitae and three letters of recommendation should be sent to **Dr. Stanley K. Shapiro, Head, Department of Biological Sciences, University of Illinois at Chicago Circle, Box 4348, Chicago, Ill. 60680.** *An Equal Opportunity/Affirmative Action Employer.*

EXPERIMENTAL PLANT MORPHOLOGY/MORPHOGENESIS

The Department of Botany, University of Georgia, invites applications for an opening at the Assistant Professor level in the area of experimental plant morphology or morphogenesis. Teaching responsibilities will include structural botany. Applicants should submit a curriculum vitae, reprints, graduate and undergraduate transcripts, a short statement of research and teaching interests, and the names of three references to **Dr. Donald B. Fisher, Chairman, Search Committee, Department of Botany, University of Georgia, Athens, Georgia 30602.** *The University of Georgia is an Equal Opportunity and Affirmative Action Employer.*

PROGRAM IN SOCIAL MANAGEMENT OF TECHNOLOGY UNIVERSITY OF WASHINGTON FACULTY POSITION AVAILABLE

A faculty opening at the Assistant or Associate Professor level exists for an individual with a Ph.D. degree in social science, natural sciences, or engineering to teach and conduct interdisciplinary research in the area of technology, society, and public policy.

The Program seeks an individual with either methodological capabilities, experience in technology assessment or forecasting, or in interdisciplinary, technology-oriented policy research. The individual should have a minimum of 2 years of teaching or equivalent experience and a post-Ph.D. publications record in policy planning or research (such as in social systems modeling and social indicators or in such substantive areas as energy policy, urban technology, or environmental management).

Interested applicants should submit their curriculum vitae to: **Dr. Edward Wenk, Jr., Director, Program in Social Management of Technology, 428 Aerospace Research Lab, FL-10, University of Washington, Seattle, Washington 98195.** *The University of Washington is an Equal Opportunity Employer.*

TWO FACULTY POSITIONS IN BIOLOGY, beginning 1 September 1975. (1) **Developmental Biologist;** (2) **Geneticist with Cellular Background.** Requirements: Ph.D. and strong commitment to undergraduate teaching. Applications accepted until 1 March. Send curriculum vitae, transcripts, and four letters of recommendation (or write for further information) to: **Dr. JoAnn S. Jensen, Chairman, Department of Biology, Pacific Lutheran University, Tacoma, Washington 98447.** *An Equal Opportunity Employer.*

FACULTY POSITION—PHYSICS. Teach both undergraduate/graduate levels; strong research program background. Position open to applicants in all areas of physics; preference will be given to candidates in areas of Astrophysics, and Atom Physics. Ph.D. and publications in refereed journals. Application deadline: 28 February 1975. Duties begin: September 1975. Apply: **John E. Mulhern, Jr., Chairman, Physics Department, University of New Hampshire, Durham, N.H. 03824.** *An Equal Opportunity Employer.*

MARINE BIOLOGIST

Faculty position; preferred research interest in zooplankton biology or theoretical ecology; emphasis on estuarine and coastal waters; will play a principal role in the undergraduate Marine Science Program and help develop the graduate program; available now. Send curriculum vitae, three letters of recommendation, and statement of projected research activities to: **Dr. Björn Kjerfve, Chairman, Marine Science Search Committee, Marine Science Program, University of South Carolina, Columbia, South Carolina 29208.**

The University of South Carolina is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CALIFORNIA INSTITUTE OF TECHNOLOGY, Division of Geological and Planetary Sciences, is seeking candidates for academic appointments in fields of sedimentary geology, geobiology, geophysics, and atmospheric science. Appointments preferred at the assistant professor level. *An Equal Opportunity Employer.* Please write, enclosing résumé and bibliography, to **Barclay Kamb, Chairman, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, California 91125.**

INSTRUCTOR POSITION

Available in the Department of Otorhinolaryngology, The University of Michigan Medical School. Must be eligible for or certified by the American Board of Otolaryngology. Will spend part time at Wayne County General Hospital and part time at University Hospital. Duties include patient care, teaching medical students, residents, nurses, and other allied health personnel. Facilities available for research in depth. Code #500 HO. Send résumé to Box 55, SCIENCE. *A Non-discriminatory, Affirmative Action Employer.*

Special Lectureships

in the

Division for Study and Research in Education

at

MASSACHUSETTS INSTITUTE OF
TECHNOLOGY
1975-1976

Two postdoctoral lectureships are open to exceptionally qualified young people. The appointments involve a mixture of teaching and research. Preference in the appointments will be given to recent recipients of a doctorate who have a strong interest in the relation of their work to education.

Appointments are for one academic year and are renewable for one additional year. The salary will be \$12,500 for the regular 9-month academic year.

Applications should be filed by 24 February 1975.

Inquiries or requests for application forms should be addressed to **Division for Study and Research in Education, Room 20C-124, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139.**

MIT is an Equal Opportunity/Affirmative Action Employer.

MAMMALOGIST. The Biology Department at Northland College is seeking a Ph.D. for a recently created Assistant Professor level position. Applicant will be expected to develop and teach courses in Mammalogy and Animal Behavior and to participate in a team taught General Biology course. Salary approximately \$10,000. Submit curriculum vitae and names of three references to: **Dr. Lelyn Stadyk, Chairman, Biology Department, Northland College, Ashland, Wisconsin 54806.** *An Equal Opportunity/Affirmative Action Employer.*

MEDICINAL CHEMISTRY

Two positions available for 1 September 1975. (i) An Assistant Professor to teach drug analysis (undergraduate and graduate levels) and participate in some lectures in medicinal chemistry. Must be interested in research in the area of drug metabolism with a desire to learn mass fragmentography. A degree in pharmacy or pharmacokinetics is also desired. (ii) Requires a position for an M.S. who wishes to continue towards a Ph.D. in medicinal chemistry (Assistant Instructor, \$4000 for 8 months). Write to **Dr. D. J. Abraham, 725 Salk Hall, Medicinal Chemistry Department, School of Pharmacy, University of Pittsburgh, Pittsburgh, Pa. 15261.** *The University is an Equal Opportunity/Affirmative Action Employer.*

NEUROBIOLOGIST

The Institute for Developmental Research, Children's Hospital Research Foundation, Cincinnati, Ohio, invites applications for a faculty appointment as an Assistant Professor of Research Pediatrics. Candidates should have experience and are expected to develop a strong, independent research program in areas directly or indirectly related to Neurobiology and/or Mental Retardation. Teaching responsibilities involves participation in the interdisciplinary graduate program in Developmental Biology. Joint appointments are possible with basic science departments of the University of Cincinnati College of Medicine. Send curriculum vitae and two letters of reference to: **Dr. Ernest F. Zimmerman, Division of Fetal Pharmacology, Children's Hospital Research Foundation, Cincinnati, Ohio 45229.** *An Equal Opportunity, Affirmative Action Employer.*

**UNIVERSITY OF QUEENSLAND
DIRECTOR OF HERON ISLAND
RESEARCH STATION**

Location: Heron Island is 340 miles north of Brisbane and 45 miles off-shore. Duties: The control, operation and administration of Research Station and the undertaking of a major program of research. Qualifications: Experience in conducting research in a field of biology, geology or geography appropriate to special opportunities provided by accessibility of a coral reef and its associated biota. Ability to elucidate aspects of the ecology, physiology, behaviour of marine organisms, or of the genesis of coral reefs. Ability to undertake administrative duties. The appointee will be responsible to the Heron Island Board for the administration of the Research Station. Higher degree desirable.

The appointment will be made to the staff of the University at level of Reader or Senior Lecturer according to qualifications and experience. Appointment will be for a period of three years but the incumbent may apply for reappointment. (Quote Reference No. B78274).

Salary (under review): \$A16,389 for a Reader and for a Senior Lecturer within the range \$A12,643 to \$A14,724 per annum.

Other benefits: Superannuation similar to FSSU, accommodation available and travel grants.

Additional information and application forms are obtainable from the Staff Officer, University of Queensland, St. Lucia, Q.4067, Australia, with whom applications close on 31 March 1975.

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with a desire to make important contributions in the areas of acute toxicity and carcinogenesis. The toxicology function, part of the Research and Environmental Health Division, is located in Linden, New Jersey at the Exxon Research Center.

Our toxicology research program is on a contract basis with commercial and university laboratories. Classes of materials include petroleum products and derivatives, industrial chemicals, indirect food additives and certain specialty items. Much of our work is consultative in nature ...drawing upon current laboratory studies, historical research and wide contacts in all phases of toxicology.

The individual we need should have a PhD in Toxicology or a related discipline, five to ten years' experience in toxicology research, plus a definite proficiency in written and oral communications. Some travel will be required.

Qualified applicants are requested to send a detailed resume in strict confidence to: **A. A. Barnello, Medical Research Division, Professional Recruitment, Department CS 116, P.O. Box 45, Linden, New Jersey 07036.** An Equal Opportunity Employer M/F

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McNEIL LABORATORIES, INC., located in suburban Philadelphia, Pa., area, has available immediately a Postdoctorate opening in Biochemistry, or Chemistry with specialty in protein chemistry. Salary \$12,000. Successful applicant should be knowledgeable in modern isolation, purification and characterization techniques. Preference will be given to those individuals with experience in one or a number of the following areas: Radiolabeling and purification of radio-labeled substances or large scale preparative purification techniques. Send curriculum vitae and reference letters to:

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POSITIONS OPEN

NEUROANATOMIST-GROSS ANATOMIST

Faculty position available at Ball State University September 1975. Candidates must have doctoral degree and an active interest in graduate teaching. Duties will include teaching courses in Neuroanatomy and Human Gross Anatomy to freshman medical students. Rank and salary open. Application deadline 3 March 1975. Send résumé and three references to **Dr. Warren E. Schaller, Chairman, Department of Physiology and Health Science, Ball State University, Muncie, Ind. 47306.** An Equal Opportunity/Affirmative Action Employer.

THE DEPARTMENT OF PATHOLOGY UNIVERSITY of ALABAMA in BIRMINGHAM

This department is seeking applications from academic pathologists (M.D.) for appointment to our faculty at the Instructor or Assistant Professor level. More than one opening exists now. This university has an Affirmative Action Program. Candidates should send a curriculum vitae, list of publications, and a brief outline of their career aims and research capabilities. Provide also the names of senior pathologists familiar with their qualifications. Salaries are competitive. Send applications as soon as possible to the **Chairman, Department of Pathology, University of Alabama in Birmingham, Birmingham, Alabama 35294.**

PLANT TAXONOMIST

The Department of Botany, Louisiana State University, Baton Rouge, invites qualified applicants for the position of Assistant Professor (vascular plant taxonomy) to start August 1975. Responsibilities will include teaching graduate and undergraduate courses and engaging in productive research. Address inquiries to: **Chairman, Department of Botany, Louisiana State University, Baton Rouge, La. 70803.** LSU is an Affirmative Action/Equal Opportunity Employer.

SECTION HEAD PHARMACOLOGIST

A challenging position is available to head a section in our Radiopharmaceutical Division's R & D Department. A Ph.D. in Pharmacology plus a strong background in biochemistry is required, with at least 3 years of experience. The mission of the group would be the development of in vivo radiolabeled diagnostic agents. Training and/or experience in radiochemistry would be desirable. Aside from the above mentioned, individual should possess administrative and leadership skills. This is a dynamic and growth-oriented situation within one of the nation's leading producers of radiochemicals and will offer an exceptional compensation package including total relocation expenses. This position is located conveniently in suburban Boston. Interested and qualified candidates are encouraged to submit, in complete confidence, a cover letter, salary history, and two copies of their résumé to **John R. Chabot, Employment Manager, New England Nuclear Corporation, 549 Albany Street, Boston, Mass. 02118.** An equal opportunity employer

POSITIONS OPEN

OBSERVATORY SUPERINTENDENT

The Lunar and Planetary Laboratory of the University of Arizona invites applications for the position of Superintendent of the LPL Observatories which are located at three sites in the Tucson area. Duties will include supervision of a program of site improvement, as well as planning and execution of periodic maintenance of instruments and facilities which include a power plant and several miles of mountain road. Previous experience with observatory operations or a comparable background in administration and supervision of personnel is desired. Please address applications with complete biographical data and statement of work experience and names and addresses of previous employers to **Dr. C. P. Sonett, Director, Lunar and Planetary Laboratory, University of Arizona, Tucson, Arizona 85721,** before 1 March 1975. The University of Arizona is an Equal Opportunity Employer.

PLANT ECOLOGIST

Intermediate or advanced Assistant Professor for September 1975. Ph.D. Experience in teaching and research in synecology. Description of position available on request. Send curriculum vitae, reprints, transcripts, and three letters of recommendation by 15 March 1975 to: **Dr. George J. Williams III, Department of Botany, Washington State University, Pullman, Wash. 99163.** Washington State University is an Equal Opportunity Employer with an Affirmative Action Program.

POSTDOCTORAL POSITIONS available immediately for research on membrane transport and on enzymology and regulation of sulfur, nitrogen, and polysaccharide metabolism of microorganisms. Salary is \$8500 per year. Applicant should have experience in enzyme purification and characterization. Send inquiries or résumé and names of references to: **Dr. Irwin H. Segel, Department of Biochemistry and Biophysics, University of California, Davis, California 95616.**

POSTDOCTORAL POSITION available 1 June 1975 for the study of biochemical aspects of genetic regulation during development of *Drosophila*. Experience in enzyme purification and immunochemical procedure or developmental biology of imaginal discs or both is desirable. Send curriculum vitae to: **David T. Sullivan, Department of Biology, Syracuse University, Syracuse, N.Y. 13210.**

Syracuse University is an Equal Opportunity Employer with an Affirmative Action Program and welcomes applications from women and minority candidates.

POSTDOCTORAL RESEARCH POSITION

The Department of Respiratory Diseases is seeking applicants with a recent Ph.D. in pharmacology. Guaranteed stipend of \$7000 to \$7500 based on experience. Additional funds may be available. Résumé and curriculum vitae before 1 March 1975 to **Dr. Walter A. Hargraves, Pulmonary Supervisor, St. Vincent Hospital, Worcester, Mass. 01610.** Equal Opportunity Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately for immunogenetic studies on tumor rejection in fowl. Background in immunology required. \$12,000 for 1-year appointment. Continuation may be possible. Send curriculum vitae and names of references to:

**Dr. Louis W. Schierman,
Department of Pathology
New York Medical College
Valhalla, New York 10595**

An Equal Opportunity Employer

PROFESSOR OF BIOCHEMISTRY required for the Faculty of Medicine at Memorial University of Newfoundland, St. John's, Newfoundland. A position for a senior faculty member in biochemistry will be available in 1975 in this non-departmental medical school. The successful candidate will be the senior person in a group of biochemists and will be able to recruit one or two faculty members of his/her own choosing, subject to faculty approval. Teaching role includes general biochemistry, teaching medical students in a course that is integrated with other aspects of cell biology. Research space will be available in the new Health Sciences Complex and there are funds available for equipping a new laboratory plus an annual travel allowance. Training of graduate students is encouraged. The city of St. John's (population, 100,000) is close to extensive wilderness areas and many miles of rocky coastline and particularly suits people with interests in camping, fishing, hiking, and the outdoor life.

UNIVERSITY OF SOUTH ALABAMA COLLEGE OF MEDICINE

Invites applications and nominations for the position of **Professor and Chairman, Department of Neurobiology.** Candidates should have a substantial record of accomplishment in neurobiological research, as well as extensive teaching experience. The department is responsible for the teaching of neurobiology to medical students as well as graduate students.

The University of South Alabama, College of Medicine, is an Equal Opportunity Employer with an Affirmative Action Program and welcomes applications from women and minority candidates.

Applications and nominations should be accompanied by a curriculum vitae and submitted to: **Michael Kehoe, M.D., Chairman, Search Committee—Neurobiology, Room 1070, Moorer Clinical Sciences Building, University of South Alabama—Medical College, Mobile, Alabama 36617.**

Cornell University Department of Psychology plans to make an appointment at a senior level in **COGNITIVE PSYCHOLOGY** (attention, perception, memory, thought). We are looking for someone who has already made substantial contributions to the field and has an ongoing program of research. Candidates with either a developmental or a formal analytic approach to cognition are preferred. Contact **Ulric Neisser, Department of Psychology, Uris Hall, Cornell University, Ithaca, New York 14853.** Cornell is an Equal Opportunity Employer.

PSYCHOLOGY RESEARCH ASSISTANT PROFESSOR POSITION IN REHABILITATION MEDICINE

The University of Washington is seeking a qualified candidate for a position in the Department of Rehabilitation Medicine. The position requires a person to carry out research on behavioral and some physiological effects of microwave radiation. In addition, the position requires the assuming of administrative responsibilities pertaining to grants and contracts plus the supervision of interdisciplinary graduate student research. The candidate must have a Ph.D. and a strong record of research in physiological psychology and animal behavior with some experience relating microwaves to animal behavior being essential. Interested applicants should submit curriculum vitae, including publications list, and names of four references to **Dr. A. W. Guy, Department of Rehabilitation Medicine, University Hospital RJ-30, University of Washington, Seattle, Washington 98195.**

The University of Washington is an Equal Opportunity-Affirmative Action Employer and will welcome applications from members of minority groups and women.

RESEARCH ASSOCIATE

Ph.D. in Physical/Surface Chemistry to work as part of an interdisciplinary research team studying toxic chemicals in the environment. Send curriculum vitae and three letters of reference to **Dr. Virgil H. Freed, Department of Agricultural Chemistry, Oregon State University, Corvallis, Oregon 97331.** An Equal Opportunity/Affirmative Employer.

SMOOTH MUSCLE PHARMACOLOGIST

We have an opening in our Pharmacology Group at the Senior Investigator level for a Ph.D. graduate, preferably with 1 to 3 years of experience and with a strong background in Smooth Muscle Pharmacology. Experience and knowledge in the field of Immunology (immediate hypersensitivity) are also highly desirable. The position will involve research, dealing with the discovery and evaluation of potential therapeutic agents for use in the treatment of bronchial asthma, and other lung diseases.

Early availability is desirable. We offer liberal fringe benefits. Salary is commensurate with qualifications.

Send curriculum vitae in confidence to: **Dr. Wendell W. Myer, R & D Personnel.**

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POSITIONS OPEN

NATIONAL RETINITIS PIGMENTOSA FOUNDATION RESEARCH PROFESSORSHIP

The NRPF will make available on a competitive basis three Research Professorships for the 1975-76 academic year. These professorships are primarily designed for investigators whose work might contribute to an improved understanding of the nature of retinitis pigmentosa or allied retinal degenerations. The Foundation realizes that much basic work in cell biology, biochemistry, genetics, and so forth might be so understood and is willing to entertain applications from any of a broad range of basic and clinical disciplines. Terms of the Professorships will vary with individual needs and attainments and allow substantial flexibility in duration (1 to 3 years) and stipend level (\$15,000 to \$25,000 per annum). *There are no requirements as to nationality, sex, citizenship or site of tenure.*

To apply for a Research Professorship, submit a description of your qualifications and a summary of your research plan; this can be in letter form and should not exceed two pages in length. Where applicable, one or two representative reprints should also be submitted. The Foundation Research Committee will review all submissions and then seek a more detailed application from a limited number of candidates. Address correspondence to: **Dennis L. Hartenstein, Executive Director, National Retinitis Pigmentosa Foundation, Inc., Rolling Park Building, 8331 Mindale Circle, Baltimore, Maryland 21207.**

THE AUSTRALIAN NATIONAL UNIVERSITY invites applications for appointment as Research Fellow in the Department of Biochemistry, John Curtin School of Medical Research. The appointee will collaborate with an existing research group in the Department in work in one of the following areas

- Protein chemistry, with particular reference to the isolation and characterization of membrane proteins from normal and mutant bacteria
- Biochemical genetics of bacterial oxidative phosphorylation
- Enzyme reactions mechanisms with particular reference to allosteric enzymes.

Further details of the research work may be obtained from **Professor F. Gibson, John Curtin School of Medical Research.**

Tenure is for 3 years in the first instance with possibility of extension to 5 years. Reasonable travel expenses and assistance with housing is available.

Salary \$11,250 to \$15,000 per annum, Australian currency.

Further information from the **Academic Registrar, P.O. Box 4, Canberra, ACT, 2600, Australia.** Closing date, 1 March 1975.

University of Wisconsin-Madison. SCIENTIFIC GLASSBLOWER. Applications are invited from scientific glassblowers who have experience in the fabrication of research glass apparatus for chemical applications. *The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer and welcomes applications from women and minority candidates.* Applications, including résumé and three references, should be sent to **Dr. D. F. Gaines, Department of Chemistry, The University of Wisconsin-Madison, 1101 University Avenue, Madison, Wisconsin 53706.**

SOIL SCIENTIST

Senior Staff Position available at Argonne National Laboratory for established Soil Chemist or Soil Biologist with broad background in terrestrial ecology. Responsibilities of the position will be: (i) To develop a strong research program on some aspect of the impact, or use, of energy production on natural and/or agricultural ecosystems. (ii) To provide overall leadership for the terrestrial ecology program at Argonne. For additional information, send résumé to **Mr. Ronald A. Johns, Personnel Division, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439. An Equal Opportunity Employer, M/F.**

THE MENTAL RETARDATION RESEARCH CENTER AT UCLA is seeking a **Statistician or Computer Scientist** to manage the computing and data analysis section of the Pacific State Hospital Research Group in Pomona, California. Duties will involve conducting collaborative research on the social epidemiology of mental retardation, consulting on statistical aspects of research in neuropsychology and neurobiochemistry, and supervision of computer facilities and a programming staff. Candidates should qualify for appointment to the UCLA faculty at the Assistant or Associate Professor level. *UCLA is an Equal Opportunity Employer with a vigorous Affirmative Action Program.* Please send résumé to: **Dr. Donald Guthrie, Mental Retardation Research Center, University of California, 760 Westwood Plaza, Los Angeles, Calif. 90024.**

PROGRAM

Ph.D. PROGRAM IN NEUROPSYCHOPHARMACOLOGY The Department of Psychiatry and Behavioral Sciences, School of Medicine, University of Louisville, Louisville, Kentucky

Beginning 1 July 1975 will offer a combined program leading to completion of the requirements for certification by the American Board of Psychiatry and Neurology and a Ph.D. degree in Clinical Neuropsychopharmacology. Candidates must hold the M.D. degree and have preferably completed an internship, although this is not obligatory. Laboratories will be used in the Departments of Pharmacology, Psychology, and Psychiatry. Clinical facilities are available at the Louisville General Hospital, the Louisville VA Hospital, the Norton-Children's Infirmary, the Jefferson Alcoholism and Drug Abuse Center for Treatment and Research, and the River Region Hospital (formerly the Central State Hospital). Didactic courses will be offered both in the School of Medicine and the Graduate School. Applications are invited from interested candidates and should be addressed to **John J. Schwab, M.D., Professor and Chairman, Department of Psychiatry and Behavioral Sciences, School of Medicine, University of Louisville, Health Sciences Center, Louisville, Kentucky 40201.**

SUMMER COURSES

Marine Science, Duke University Marine Laboratory SUMMER COURSES: Undergraduate: 12 May—Introduction to Biological Oceanography. Graduate/Advanced Undergraduate: 16 June—Ecology, Comparative and Evolutionary Biochemistry, Phytoplankton Systematics, Physiological Ecology of Marine Animals, Chemical Oceanography, Geological Oceanography. 21 July—Comparative Behavior, Membrane Physiology and Osmoregulation, Marine Invertebrate Zoology, Biological Oceanography, Chemical Pollution of Coastal Waters, Marine Microbiology, Marine Phycology. Write: **Director, Duke University Marine Laboratory, Beaufort, North Carolina 28516.**

GRADUATE STUDY

GRADUATE STUDIES IN BIOCHEMISTRY

Applications invited for admission into diversified Ph.D. program. Faculty with wide research interests. Stipends. Contact **Director of Graduate Studies, Department of Biochemistry, College of Medicine, University of Kentucky, Lexington, Ky. 40506.**

GRADUATE STUDY

The Division of Cell and Molecular Biology at the State University of New York at Buffalo offers strong new graduate programs integrating cellular, developmental and molecular aspects of biology, leading to the M.S. or Ph.D. degrees. Interdisciplinary studies are encouraged.

Prerequisites: degree in general or environmental biology, biochemistry, physics, chemistry, or related fields of science.

Financial support available for qualified applicants.

Send inquiries to: **Director of Graduate Affairs, Division of Cell and Molecular Biology, State University of New York at Buffalo, Buffalo, New York 14214.**

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

To study estuarine geochemistry at the Graduate School of Oceanography, University of Rhode Island, Kingston, R.I. Position is for 1 to 2 years. Experience in geochemistry and analytical chemistry is desirable. Send résumé to **Dr. Michael Bender, Graduate School of Oceanography, University of Rhode Island, Kingston, R.I. 02881. An Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply.**

NEUROPROSTHESES PROGRAM

Two-year postdoctoral fellowship immediately available. Previous training in animal surgery, neurophysiology, and electronics required. Project involves collaboration with electrochemist and electron microscopist on the effects of chronic stimulation of the central nervous system. An opportunity to join an interdisciplinary group involved in basic biological and engineering research. Send curriculum vitae and references to: **Dr. Larry J. Stensaas, Department of Physiology, University of Utah Medical School, Salt Lake City, Utah 84132. An Equal Opportunity/Affirmative Action Employer.**

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

In Biological Chemistry with emphasis on DNA Replication in Bacteriophage Systems. \$10,000 (including benefits). Address applications to: **Dr. G. Robert Greenberg, Department of Biological Chemistry, The University of Michigan, Ann Arbor, Mich. 48104. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH FELLOWSHIP: Unexpected opening for a research fellow available immediately, at the Hematology Research Laboratory, Division of Hematology, St. Vincent Hospital in Worcester, Massachusetts. The research fellowship involves studies on the interrelations between the composition and physical state of red cell membrane fibrillar proteins, Ca^{2+} , Mg^{2+} fluxes, and content and rheological properties of red cells in various hemolytic anemias. The fellowship also provides opportunity of further postgraduate training in clinical hematology in a major affiliated teaching hospital of the University of Massachusetts Medical School. Send résumé to: **Jiri Palek, M.D., Division of Hematology, St. Vincent Hospital, Worcester, Mass. 01610.**

CONGRESSIONAL FELLOWSHIPS

APPLICATIONS INVITED FOR 1975-1976

The Council of The American Physical Society has authorized the extension of the Congressional Science Fellowship Program for 1975-1976 and has appropriated sufficient funds to support two physicists who will serve for a year in the offices of Senators, Representatives, or as staff members of congressional committees. This program is operated in conjunction with a similar program of the AAAS which organizes the orientation period in Washington in September and schedules interviews for Fellows and the Congressional offices. Each Society, however, recruits and selects its own Fellows.

Prospective Fellows are expected to show exceptional competence in some area of physics, have a broad background in science and technology, have experience in or be willing to learn the governmental process, and have a strong interest in applying scientific knowledge toward the solutions of social problems.

Applicants should submit a résumé and arrange for three letters of reference to be sent directly to **Dr. Mary Shoaf, Administrator, Congressional Science Fellowship Program, The American Physical Society, 335 East 45 Street, New York, N.Y. 10017.** Letters should be solicited from people who know the candidate well enough to write not only about his or her competence as a physicist but also about the relevant education and experience which would make the candidate particularly qualified to serve in a Congressional office. All applications will be screened by a committee appointed by C. S. Wu.

CONGRESSIONAL SCIENCE FELLOWSHIP APPLICATIONS FOR PROGRAM'S THIRD YEAR

The American Association for the Advancement of Science (AAAS) is receiving applications for the 1975-76 term of its Congressional Science and Engineering Fellow Program (CSFP). The application deadline is 31 March 1975. Information and application forms can be obtained by writing: **Dr. Richard Scribner, Director, AAAS Congressional Science Fellow Program, 1776 Massachusetts Ave., NW, Washington, D.C. 20036.**

Beginning its third year, the CSFP is designed to select outstanding scientists and engineers to spend 1 year with the staffs of individual congressmen, congressional committees, or the Office of Technology Assessment. The Fellowship nominally begins in September and the basic stipend is \$15,000. The Program is centrally coordinated by the AAAS and is a cooperative effort with several affiliated societies.

In the first year, there were three AAAS Fellows: a biophysicist, an electrical engineer, and a health policy specialist, as well as three Fellows selected by the American Physical Society (APS), and the Institute of Electrical and Electronics Engineers (IEEE). This year, there are six AAAS Fellows: a psychologist, an agricultural engineer, a physicist, a physical chemist, and an electrical engineer. Six additional Fellows were selected by cooperating affiliated societies which now include: APS, IEEE, American Institute of Aeronautics and Astronautics, and the American Psychological Association.

Applicants for the Fellowship are required to submit a completed application form supported by a résumé and three letters of reference from people who know the candidate well enough to write about his or her competence as a scientist and suitability for the award. Selection is made by a broadly composed ad hoc screening and selection committee appointed by the AAAS. Final selections will be made by 1 May 1975.

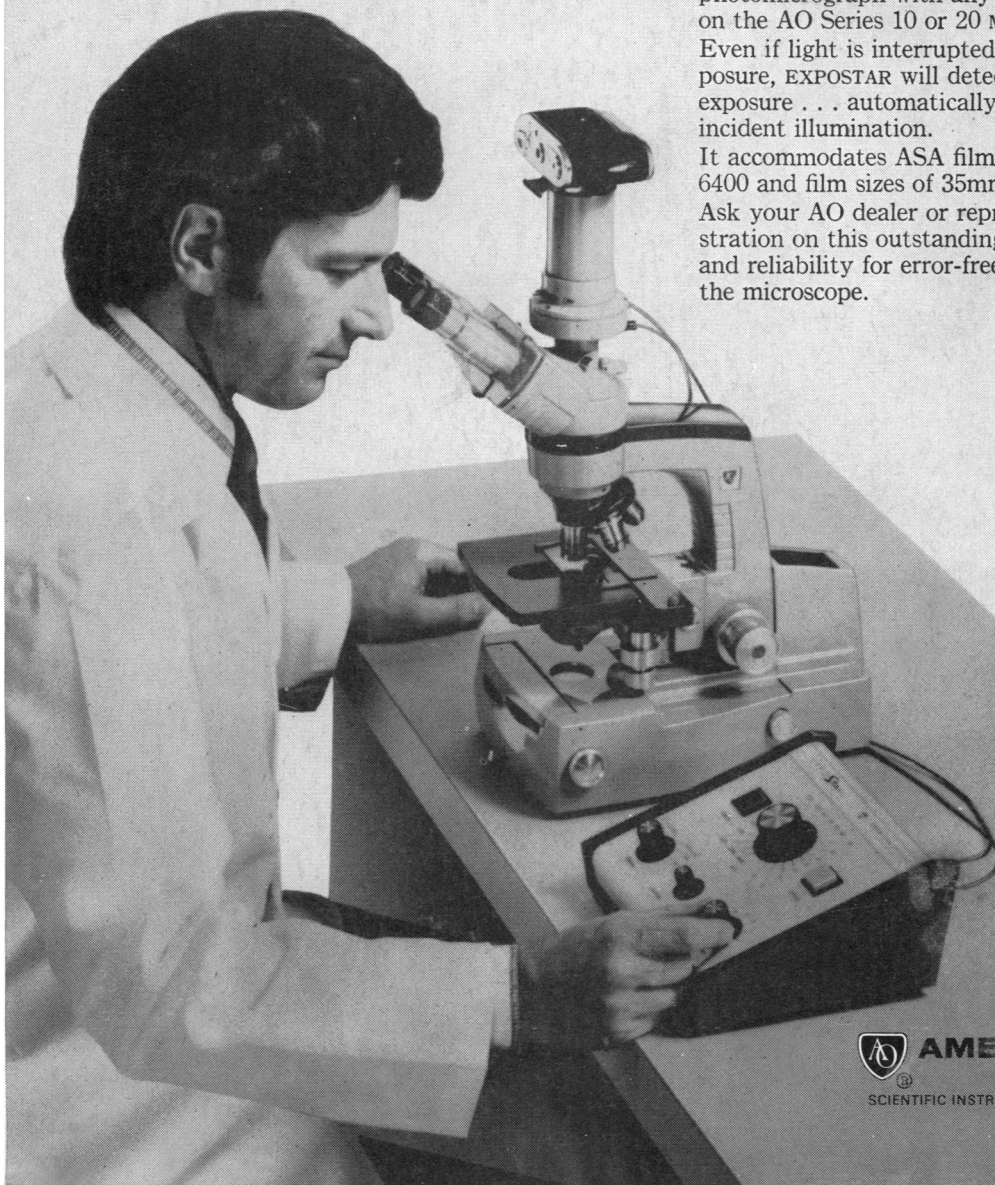
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