

Miscellaneous Notes

International Women's Year Resolution. At its 31 January meeting, the AAAS Council passed a resolution asking the Association to celebrate International Women's Year by recognizing the achievements of women in the sciences and engineering, by taking appropriate initiatives in the conduct of American business, and by exercising effective national leadership to further the opportunities for women in science.

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Psychology Section of SWARM. Psychologists who are members of the Southwestern and Rocky Mountain Division of AAAS who are interested in forming a Psychology Section of SWARM are invited to communicate with Dr. Keith J. Lindsay, Chairman, Social Sciences Section, AAAS-SWARM, Angelo State University, San Angelo, Texas 77901.

NOVA Program Schedule

16 March. *The Other Way.* E. F. Schumacher, author of "Small is Beautiful," is convinced that there must be "another way" for technology to serve mankind without gobbling resources. He calls it Intermediate Technology—machines that effectively and efficiently extend the capacities of man without replacing him (a BBC production).

23 March. *The Crab Nebula.* In A.D. 1054 the Chinese recorded the explosion of a dying star that was bigger than our sun. Centuries later, scientists discovered the Crab Nebula that was created at the explosion. This "pulsing" energy source has since been the subject of great interest to astronomers (a BBC production).

30 March. *The Lost World of the Maya.* Eric Thompson, an archeologist, takes us on a pilgrimage through the Mayan world in Central America. He charts the rise and fall of one of the world's strangest civilizations. The Mayas flourished for over a thousand years, were destroyed by the Spanish, and finally rediscovered in the 19th century (a BBC production).

6 April. *Will the Fishing Have to Stop?* The excellent protein in fish could help the world food shortage. But in 1972 the total world fish catch dropped. Oceanographers and biologists have been studying ocean productivity to determine if man's overfishing or natural environmental fluctuations have caused the shortage (a WGBH production).

TIAA CREF

The Best Deal on Life Insurance, by Far, is TIAA

Independent consumer studies continue to confirm that TIAA life insurance costs substantially less than policies sold through life insurance companies that serve the general public.

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Age at Issue	25	30	35	40
Annual Premium (Payable only 16 years)	\$268	\$318	\$413	\$580
Cash Dividend End of First Year*	123	134	154	192
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*Based upon the current dividend scale, not guaranteed.

This Home Protection policy is level premium Term insurance that gives its highest amount of protection initially, reducing by schedule over a 20 year period to recognize decreasing insurance needs. Home Protection policies are available for several other insurance periods in amounts of \$5,000 or more and are issued at ages under 56.

ELIGIBILITY to apply for TIAA policies is limited to employees of colleges, universities, and certain other nonprofit educational institutions that qualify for TIAA. If you are eligible, complete and send the coupon so we can mail the Life Insurance Guide and a personal illustration of TIAA policies issued at your age. TIAA is nonprofit and employs no agents.

**Teachers Insurance and Annuity Association
College Retirement Equities Fund**

730 Third Avenue, New York, N.Y. 10017

Please mail the Life Insurance Guide and a personal illustration.

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Address _____ Street _____

City _____ State _____ Zip _____

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Nonprofit Employer (college, university, other educational or scientific institution) _____

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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, 1/6 page and larger, to:

Scherago Associates, Inc.
11 West 42 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

Anatomist-Electron Microscopist. Doctorate expected summer 1975, gross anatomy, histology, TEM, cytochemistry, platelet research. Seeking teaching/research position Southeast or West Coast. Box 79, SCIENCE.

Biologist/Physiologist. Research and 2 years of formal teaching experience. Strong commitment to undergraduate education. Seeks teaching position at quality liberal arts institution. D. Fonner, Biology Department, St. Lawrence University, Canton, New York 13617. X

Environmental-Microbiologist (Virologist). Ph.D. Experience: basic and applied research in animal virology, epidemiological surveillance studies of viral and rickettsial diseases, supervising in diagnostic virology and cell cultures, teaching in microbiology and public health. Seeks research-development or research-teaching position on East Coast. Available May 1975. Box 91, SCIENCE. X

Experimental and Comparative Pathologist seeks tenured faculty position. Established long-range research. Desire to develop or join experimental and comparative graduate program, by itself and serving other curricula. Box 72, SCIENCE. 3/7

Ichthyologist, Marine Ecologist. Ph.D. 1972. Three years of teaching/research experience at northeastern university (general biology, comparative anatomy, vertebrate ecology, ichthyology). Desires academic/research position in southeast. Box 92, SCIENCE. X

Invertebrate Zoologist. Ph.D. Teaching experience in genetics, general biology (including laboratories), and supervision of student research. Expertise in reproduction and sexuality in gastropods and in technology concerning marine aquaria. Seeking position in university or industry. Box 93, SCIENCE. X

Microbiologist-Biologist: Versatile teacher, experienced researcher. Ph.D., can teach microbiology, genetics, biology, physiology. Would like to pursue research interests as well as teach. Box 94, SCIENCE. X

Physiologist. Ph.D. 1972. Research and publications in acid-base and lung mechanics. Seeks research position with teaching opportunity in respiration physiology. Box 97, SCIENCE. 3/7, 21

POSITIONS WANTED

Environmental Physiologist. Ph.D. in biology, 1973, plus 2 years of postdoctoral research (hibernation) in France. Well-organized, dynamic teacher. Seeks teaching position, with research, in environmental, comparative mammalian physiology and/or environmental, comparative zoology. Box 60, SCIENCE. X

Microbiologist. Ph.D. Seeks university teaching-research. Assistant, associate professor level. Or postdoctorate, industry, medical center. Developed undergraduate, graduate courses. Research publications, papers. Areas of microbial ecology, physiology, metabolism, pollution, public health, biochemical diagnosis, RIA, virology. Box 95, SCIENCE. X

Neurobiologist. Ph.D. Electron microscopist, 15 years of experience in brain research, experimental epilepsy, neurotoxicology of heavy metals. Seeks research or research/teaching position. Box 96, SCIENCE. X

Physiologist-Toxicologist. Ph.D. 1969. Postdoctoral and independent research on health effects, pharmacodynamics of pesticides, environmental agents using isolated perfused organs. Desire government, industry, or academic position. Box 85, SCIENCE. 3/14

Broadly trained **Plant Physiologist** (Ph.D. 1974), seeks position in research or teaching/research. Strong background in genetics and experimental design. Teaching experience, publications, and postdoctoral experience in private industry. Research interests include ecophysiology and water relations. Box 98, SCIENCE. X

Protein-Immunochemist; engineer, Ph.D. 1968. Multilingual-broad base (Laurel-immuno-electrophoresis, RIA-allergy, fractionation, development and organization), 6 years in industry. Seeks research position. Box 99, SCIENCE. 3/7, 21

Virologist. Ph.D. 1968. Postdoctoral research, industry/teaching background. Experience includes cell culture, molecular virology, virus purification, and antiviral substances (including interferons). Publications. Desire academic, industry, or government position. Box 100, SCIENCE. 3/7, 21

Zoologist. Ph.D. Seeks teaching or teaching-research position. Interests include invertebrate zoology, invertebrate physiology, parasitology. 3/14, 21, 28; 4/4, 11

POSITIONS OPEN

ANATOMISTS

One Histologist; one Gross Anatomist; secondary roles in gross or histology labs. Prefer experienced Assistant or Associate Professors able to direct graduate students. Research open; prefer SEM, TEM, histochemistry, anthropology, neuroscience. Rank/salary based on experience; 12 month contracts start 1 June-1 September 1975. Write: **Chairman, Department of Anatomy, Creighton Medical School, Omaha, Neb. 68178. Equal Opportunity/Affirmative Action Employer.**

DALHOUSIE UNIVERSITY, HALIFAX, NOVA SCOTIA, CANADA, DEPARTMENT OF ANATOMY—ASSOCIATE OR ASSISTANT PROFESSOR. Applications are invited from persons with a Ph.D. or a professional qualification for the above position. Duties may include the teaching of Anatomy to medical, dental, or paramedical students. An ability to teach gross anatomy would be an advantage and a research interest in the nervous system is desirable. Salary (minimum \$15,000) and rank commensurate with experience. Applications, together with curriculum vitae and the names of two referees should be addressed to **Dr. D. G. Gwyn, Head, Department of Anatomy, Dalhousie University, Halifax, Nova Scotia, Canada.** Closing date of applications is 31 March 1975. Effective date of appointment is 1 July 1975.

BIOCHEMISTRY FACULTY POSITION RICE UNIVERSITY

Applications are invited for a new faculty position (Full Professor, Associate Professor, or Assistant Professor) in the Department of Biochemistry of Rice University. Clear distinction in creative research and education essential. Preference will be shown to candidates who are experienced in the area of molecular biochemistry of nucleic acids. However, applications are encouraged from outstanding candidates irrespective of field of interest.

Rice University is an Equal Opportunity Affirmative Action Employer.

Send résumé to **G. J. Schroepfer, Jr., Chairman, Department of Biochemistry, Rice University, Houston, Texas 77001.**

POSITIONS OPEN

ANATOMIST

Applications are invited from qualified persons, Ph.D. or M.D., prepared to carry out effective research program and to enter enthusiastically in teaching (mainly gross anatomy and/or histology) medical and graduate students in an expanding urban Medical Center. Salary and rank dependent on qualifications. Send curriculum vitae, names of three references, and copies of publications to **Dr. Harry Maisel, Department of Anatomy, Wayne State University School of Medicine, 540 East Canfield, Detroit, Michigan 48201. An Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR

Duties: Research and teaching in human genetics and cytogenetics.

Training: Doctorate in genetics and postdoctoral experience in hybridization *in situ* with significant publication record.

Application deadline: 1 May 1975.

Candidates should send curriculum vitae, publication reprints, and three letters of reference to: **Dr. Robert S. Krooth, Chairman, Department of Human Genetics and Development, College of Physicians and Surgeons, 630 West 168 St., New York, N.Y. 10032. Equal Opportunity/Affirmative Action Employer.**

UNIVERSITY OF CALIFORNIA, SAN DIEGO, ASSISTANT PROFESSOR OF BIOENGINEERING. Recent or imminent graduate, Ph.D. in Bioengineering or Biophysics. Will be required to teach courses in Mammalian Physiology at undergraduate level and to participate in setting up and conducting appropriate laboratory courses. It is expected that the candidate will develop an independent line of research as part of graduate student activities of UCSD Bioengineering Group. Individual must have had experience in experimental physiology. Forward curriculum vitae and representative reprints or Ph.D. thesis to: **Professor Paul A. Libby, Chairman, Department of Applied Mechanics and Engineering Sciences, University of California, San Diego, La Jolla, California 92037. The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.**

ASSISTANT PROFESSOR (HUMAN ANATOMIST) for period September–December 1975 only. Faculty position responsible for teaching gross anatomy and prosection in a Physical Therapy Department in Southern California.

Applications are especially welcome from (but not limited to) women and members of minority groups. Send applications to Box 90, SCIENCE.

California State University, Long Beach is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR/INSTRUCTOR

Applications for a full-time faculty position to start 1 September 1975 in the area of zoological **ELECTRON MICROSCOPY and HISTOLOGY** are invited from recent Ph.D.'s. Rank and salary dependent upon qualifications. Philips 200 and related equipment available for teaching and research. Curriculum vitae and three letters of reference should be sent before 21 March 1975. Address applications or requests for further information to **Search Committee, Department of the Biological Sciences, Smith College, Northampton, Mass. 01060.**

FOUR ASSISTANT PROFESSOR OF PSYCHOLOGY POSITIONS are available in Rutgers College of the New Brunswick Department of Psychology. All four positions require an active research program and excellent teaching. The appointments will be made from the areas of social-personality, developmental, human experimental, learning-motivation, and psychobiology. Please send curriculum vitae and letters of reference to: **Dr. George H. Collier, Department of Psychology, Rutgers, The State University, New Brunswick, New Jersey 08903.**

UNIVERSITY OF TORONTO, ERINDALE COLLEGE. Applications are invited for the position of a 2-year **VISITING ASSISTANT PROFESSOR** qualified to teach Microbiology and Cell Biology and with research interests in General Microbiology and Microbial Physiology. The position will be tenable at Erindale College Campus from 1 July 1975. Salary negotiable. Applications with curriculum vitae should be sent to **Dr. A. Guha, Erindale College, University of Toronto, Mississauga, Ontario L5L 1C6, Canada.** Candidates should arrange for three letters of reference to be sent to the same address. The closing date is 31 March or when position is filled.

POSITIONS OPEN

DEPARTMENT OF BIOLOGY UNIVERSITY OF PITTSBURGH

This department is seeking at least two faculty members for 1 September 1975. Areas to be considered for the positions are animal physiology, either vertebrate or invertebrate; invertebrate zoology, with emphasis in ecology, genetics, or cell and developmental biology. Applicants should provide evidence of productive research and excellence in teaching. Responsibilities will include teaching at both undergraduate and graduate levels. Rank and salary are open, depending upon qualifications. Applications, including the names of at least three references, should be sent to: **Chairman, Search Committee, Department of Biology, University of Pittsburgh, Pittsburgh, Pa. 15260.** *The University of Pittsburgh is an Equal Opportunity/Affirmative Action Employer.*

MCMASTER UNIVERSITY BIOLOGY DEPARTMENT

Applications are invited for an **ASSISTANT PROFESSOR**. Applicants should hold a Ph.D. in population genetics and should have a strong interest in human genetics. The successful applicant will be expected to teach at undergraduate and graduate levels and to engage in research. Appointment to commence 1 July 1975. Minimum salary for 1974-75 is \$12,850. Applications including a detailed curriculum vitae and the names of at least two referees should be sent as soon as possible to **Dr. D. Davidson, Chairman, Department of Biology, McMaster University, 1280 Main Street West, Hamilton, Ontario, Canada, L8S 4K1.**

BOTANY DEPARTMENT—UNIVERSITY OF GEORGIA

Position open at full professor level for an established individual in one of the following areas: population ecology-genetics, vascular plant morphology-anatomy, physiology, or virology. Salary negotiable. Send curriculum vitae and references to **Carl D. Monk, Chairman of Search Committee, Botany Department, University of Georgia, Athens, Georgia 30602.** *The University of Georgia is an Equal Opportunity/Affirmative Action Employer.*

CHAIRMAN, DEPARTMENT OF PEDIATRICS

At the University of Nebraska College of Medicine. Established department with active resident and undergraduate programs. Send curriculum vitae to **Office of the Dean, University of Nebraska Medical Center, Omaha, Nebraska 68105.** *The University of Nebraska is an Equal Opportunity Employer.*

CHAIRPERSON PSYCHOLOGY DEPARTMENT UNIVERSITY OF NEW BRUNSWICK

Applications and nominations are invited. Faculty of 16 offers undergraduate majors and honours programs and master's-level graduate program. Should have Ph.D. in psychology, demonstrated research and teaching accomplishments, administrative experience. Full professor or associate professor. Applications including curriculum vitae and names and addresses of three referees to be sent to: **Dr. T. J. Condon, Dean of Arts, University of New Brunswick, Fredericton, N.B., Canada E3B 5A3,** until appointment is made.

EAST TENNESSEE STATE UNIVERSITY COLLEGE OF MEDICINE

CHAIRPERSONS OF PHARMACOLOGY, PATHOLOGY, AND MICROBIOLOGY

East Tennessee State University College of Medicine invites nominations of, and applications from, qualified individuals as Chairpersons in the following disciplines:

**Pharmacology
Pathology
Microbiology**

Candidates should have a doctoral degree(s) and experience in medical education and basic research. A curriculum vitae and names of three references should be submitted with the application or nomination.

The State has authorized the College of Medicine which is to be established in affiliation with the Mountain Home Veterans Hospital under the authority of the Veterans Administration Medical School Assistance and Health Manpower Training Act of 1972. *East Tennessee State University is an Equal Opportunity/Affirmative Action Employer.*

Correspondence should be addressed to: **Robert E. Jewett, M.D., Dean, College of Medicine, East Tennessee State University, Johnson City, Tennessee 37601.**

7 MARCH 1975

POSITIONS OPEN

BIOLOGICAL OCEANOGRAPHY POSITION AVAILABLE

The University of Hawaii, Department of Oceanography, has one full-time, potentially tenured, faculty position in biological oceanography available 1 September 1975. Rank and area of interest are open, but preference will be given to quantitative ecologists with interests in the benthos, nekton, or heterotrophic microbiology. Send curriculum vitae and names of three persons from whom we may solicit letters of reference to **Dr. E. A. Laws, Department of Oceanography, 2525 Correa Road, University of Hawaii, Honolulu, Hawaii 96822.**

An Equal Opportunity/Affirmative Action Employer. Closing date: 15 April 1975.

AUSTRALIA UNIVERSITY OF MELBOURNE LECTURESHIP IN THE DEPARTMENT OF PHYSIOLOGY

Applications are invited for this position:

Qualifications: The applicant should have teaching and research experience in Physiology and a Ph.D. in Physiology, a medical degree, or an equivalent qualification.

Duties: The appointee will participate in the departmental teaching activities, including the organizing and supervision of laboratory exercises for undergraduate students.

It is anticipated, but not essential, that the appointee's research interests relate to one of the fields being studied at present in the Department. These include physiology of the nervous system with emphasis on sensory processes, lipid metabolism, renal, respiratory and cardiovascular function, and hematology.

Salary: Lecturer A\$11,250 to A\$15,100. The salary stated is subject to confirmation in the light of legislation to be passed by the Commonwealth Parliament.

Commencing Date: To be negotiated.

Further details may be obtained from **Professor I. Darian-Smith, Department of Physiology.** Details of application procedure, together with conditions of appointment, may be obtained from **The Registrar, University of Melbourne, Parkville, 3052, Australia.** Applications referring to Position No. 536-003 should be addressed to The Registrar and close on 28 March 1975.

POSITIONS OPEN

CHAIRMAN, DEPARTMENT OF GEOLOGY, FIELD MUSEUM OF NATURAL HISTORY

An accomplished, senior scientist is being sought whose field of specialty is in Paleontology (including Paleobotany). The department to be chaired consists of seven other research scientists (one of these curatorial positions is currently open), and a support staff of six. The position entails responsibilities for administering the department, managing its vast collections, coordinating its activities, and supporting its other independent researchers. The position should permit the incumbent to devote half time to a research program. Salary commensurate with qualifications and experience. Please send résumé of goals and research aims, curriculum vitae, and the names of three references to the **Search Committee, Department of Geology,** by the end of April 1975. The position is open and will be filled as quickly as possible. **William D. Turnbull and Matthew H. Nitecki, Search Committee, Department of Geology, Field Museum of Natural History, Roosevelt Rd. and Lake Shore Drive, Chicago, Illinois 60605.**

DENTAL PHYSIOLOGIST

A permanent position at the level of Assistant Professor is available for a person interested in teaching dental physiology and developing a vigorous research program in this area. Send curriculum vitae to **John J. Spitzer, M.D., Head, Department of Physiology, Louisiana State University Medical Center, 1542 Tulane Avenue, New Orleans, La. 70112.**

DEVELOPMENTAL ZOOLOGIST

ASSISTANT PROFESSORSHIP available August 1975. Applicants must have Ph.D. degree completed; postgraduate teaching and (or) research experience highly desirable. Must be willing to aid in undergraduate teaching and to develop productive research program in the basic mechanisms of organismal development. Send curriculum vitae, reprints, and three letters of recommendation before 15 March 1975 to: **Dr. G. T. Cowley, Department of Biology, University of South Carolina, Columbia, S.C. 29208.** *An Equal Opportunity/Affirmative Action Employer.*

ODENSE UNIVERSITY Institute of Biochemistry

A post as a substitute for a biochemist is available for a period up to 2 years. The institute is responsible for biochemistry courses for medical and natural science students. Current research subjects include: regulation of glycogen and fatty acid synthesis, function of terminal oxidases and oxidative phosphorylation, metabolic and energetic studies of bacterial growth in chemostat cultures, and hormone action on liver cell metabolism. An applicant with qualifications within one of the above-mentioned fields will be preferred.

The appointments take place in accordance with agreement between the Ministry of Economic Affairs and the professional association of the selected candidate.

Applications with curriculum vitae attached should be sent in two copies to the administration of the **University of Odense, Niels Bohrs Alle, DK-5000 Odense, Denmark,** not later than 1 April 1975.



UNIVERSITY OF

CAPE TOWN

LECTURER IN ZOOLOGY

Applications are invited for the above post which falls vacant on 1 September 1975. Appointment, according to qualifications and experience, will be made on the salary scale R6300 × 360 to R9180 per annum.

In addition to taking part in the teaching activities of the department, the successful applicant will be expected to undertake research.

Applicants should submit a curriculum vitae, stating present salary, research interests, and publications; when available if appointed; and the names and address of three referees.

Memoranda concerning the position and further information should be obtained from **The Registrar, University of Cape Town, Private Bag, Rondebosch, 7700, South Africa,** by whom applications must be received not later than 29 March 1975.

Appointments will be subject to a satisfactory medical examination. The University reserves the right to appoint a person other than one of the applicants or to make no appointment.

POSITIONS OPEN

CHAIRMAN OF BIOLOGY

Applications are invited for an appointment as Chairman and Professor of the Department of Biological Sciences at the State University of New York at Albany beginning September 1975 or January 1976. A specialization in **neurobiology, molecular-developmental biology, cell biology, genetics, or ecology** is desirable. The applicant must have demonstrated excellence in research and graduate training. The appointment carries a substantial salary and fringe benefits for an applicant qualified to carry out the administrative and scientific leadership of the department. Send curriculum vitae and résumé of current research to: **Dr. Jon W. Jacklet, Search Committee Chairman, Department of Biological Sciences, 1400 Washington Avenue, State University of New York at Albany, Albany, New York 12222. The State University of New York is an Equal Opportunity/Affirmative Action Employer.**

DIRECTOR ALLIED HEALTH EDUCATION NAVAJO HEALTH AUTHORITY

A challenging faculty position is available within the Navajo Health Authority to coordinate developing associate-degree training programs in the allied health sciences. Applicants should possess a doctorate with substantial experience in curriculum planning and program development.

Send résumé to: **Navajo Health Authority, Personnel Office, P.O. Box 643, Window Rock, Arizona 86515. Telephone: 602-871-4831, Ext. 247.**

Equal Opportunity Employer

DIRECTOR, THE INSTITUTE OF OPTICS. Responsible for directing the academic, administrative, and fiscal affairs of the department, and providing leadership for faculty, students, and staff. The Institute of Optics is one of four departments and three interdepartmental degree programs offering undergraduate and graduate work in the College of Engineering and Applied Science. Earned doctorate, experience in the field of optics, and academic experience required. *Minority and female candidates sought.* Send applications and inquiries to **Professor M. Parker Givens, Chairman of the Search Committee, The Institute of Optics, University of Rochester, Rochester, New York 14627. An Equal Opportunity Employer.**

ENVIRONMENTALISTS

Expanding Environmental Division has openings for terrestrial ecologists, biologists, oceanographers, environmental scientists, and engineers. Four-day work week, excellent benefits, and growth opportunities. Send résumé to **J. McGuire, Pandullo Associates, 40 Galesi Drive, Wayne, New Jersey 07470.**

EXPERIMENTAL ZOOPLANKTOLOGIST WOODS HOLE OCEANOGRAPHIC INSTITUTION

Applications are invited for a position as Assistant or Associate Scientist in Biological Oceanography, beginning in the fall 1975, to conduct research in feeding, growth, reproduction, and population dynamics of marine zooplankton. Teaching experience and interest in graduate student training desirable. Persons selected for similar positions in the Institution would typically have a Ph.D. and 1 to 5 years of subsequent experience, but these are not mandatory requirements. Send detailed résumés, reprints of publications, and names of references to: **Dr. George D. Grice, Chairman, Biology Department, Woods Hole Oceanographic Institution, Woods Hole, Massachusetts 02543. An Equal Opportunity Employer.**

FACULTY POSITION DEPARTMENT OF BIOLOGICAL CHEMISTRY UNIVERSITY OF CALIFORNIA, DAVIS

Applications are invited for a position open fall 1975-winter 1976. Candidates should be active in research and capable of contributing significantly to medical school and graduate teaching. Rank of appointment will be commensurate with experience and qualifications. Soundness and quality of research will receive greater emphasis than field of specialization. Applicants should send curriculum vitae, list of publications and future research plans, and have three letters of recommendation sent to **Dr. Robert Traut, Chairman of Search Committee, Department of Biological Chemistry, School of Medicine, University of California, Davis, California 95616. The University of California is an Affirmative Action/Equal Opportunity Employer and applications from women and/or minorities are welcome.**

POSITIONS OPEN

ENGINEERING OR SOCIAL PSYCHOLOGIST.

The Department of Psychology at New Mexico State University has an ongoing Ph.D. program in engineering psychology and a developing program in social psychology. We have one position to fill preferably by fall 1975 with an applicant from either one of two areas: (i) Experimental Engineering Psychology—a senior-level faculty member having a national reputation. This person is expected to interact extensively with graduate students, and provide leadership within the engineering psychology program. (ii) Experimental Social Psychology—a senior-level person with preferred areas of interest in small group processes and mathematical models. This person should be oriented toward a quantitative and theoretical approach and have an appreciation for the relevance of his or her work to current human performance and man-machine-environment systems. The candidate would provide experienced guidance for the developing program in social. Applicants for either position should have an active research program. Teaching will include graduate courses within the applicant's specialty as well as some undergraduate instruction. Send (i) current curriculum vitae, including teaching and research interests and publications, (ii) recent reprints of publications, (iii) complete listing of courses taught by title and level, and (iv) three letters of recommendation to **Warren H. Teichner, Psychology Box 3452, New Mexico State University, Las Cruces, N.M. 88003. NMSU is an Equal Opportunity/Affirmative Action Employer.**

The University of Michigan, School of **NATURAL RESOURCES**, is seeking applicants for academic year, teaching-research, positions in the following areas: Outdoor Recreation, Woody Plant Physiology, and Waterfowl-Wetlands Ecology. An earned Ph.D., or equivalent career experience, is desired.

Applications should be sent to **Dean Charles E. Olson, Jr., School of Natural Resources, The University of Michigan, 3516 Dana Building, Ann Arbor, Michigan 48104.**

A Nondiscriminatory Affirmative Action Employer

Applications are invited by the **FACULTY OF MEDICINE, MEMORIAL UNIVERSITY OF NEWFOUNDLAND**, St. John's, Newfoundland, Canada, for an appointment in **ANATOMY** at the Assistant or Associate Professor level. Candidates should possess either an M.D. or Ph.D. degree in Anatomy. The salary will be commensurate with qualifications and experience. The successful candidate will be required to take a major part in the teaching of human gross anatomy to medical students, nurses, and residents; additionally, experience in teaching neuroanatomy to medical students will be an advantage. Applicants should submit a curriculum vitae together with a résumé of their research interests and the names of at least two referees to **Dr. J. D. W. Tomlinson, Chairman, Anatomy Search Committee, Faculty of Medicine, Memorial University of Newfoundland, St. John's, Newfoundland, Canada. The successful candidate will be expected to take up the position by 1 August 1975.**

GROSS ANATOMIST

West Virginia University Medical Center, Department of Anatomy, seeks applicants at the Assistant Professor or Instructor level interested in teaching gross anatomy to medical students. Ph.D. in Anatomy, postdoctoral training desirable. Research interest in respiratory biology preferred. Letters of application with complete curriculum vitae should include evidence of active, ongoing research. Address **Dr. Donald H. Enlow, Chairman, Department of Anatomy, West Virginia University Medical Center, Morgantown, West Virginia 26506. West Virginia University is an Equal Opportunity/Affirmative Action Employer.**

HEALTH INFORMATION SYSTEMS COORDINATOR

The State of Alaska has a vacancy for a Health Information Systems Coordinator. Challenging opportunity to plan and implement a state-wide health data and information system, coordinating present data procurement and use, and devising future formats.

Minimum Qualifications: A college degree with a major in business or health oriented field PLUS 4 years of experience in a health-related program, two of which must be in systems analysis and design in a large-scale health information system or medical administration PLUS an M.A. in computer sciences or two additional years of experience in systems analysis and design.

If interested, please send résumé to **Peggy Zufelt, Alaska Division of Personnel, Pouch C, Juneau, Alaska 99811. An Equal Opportunity Employer.**

POSITIONS OPEN

TEXAS A & M UNIVERSITY COLLEGE OF ENGINEERING AND ENGINEERING EXPERIMENT STATION is seeking a well-qualified joint faculty/researcher who is interested in developing a fire research/education program. Specific areas for research and academic program depend upon interests and qualifications of applicant. Interests would normally include fire protection engineering, heat transfer, combustion of materials and fuels, toxicity of pyrolysis products, physiological stresses on fire fighters, or others. Qualifications are generally considered to fall into chemical, civil, or mechanical engineering or our Institute of Occupational Health and Safety. Please send résumés to **Mr. Harry E. Whitmore, Associate Director, or Dr. Spencer R. Baen, Assistant Director, Texas Engineering Experiment Station, Texas A & M University, College Station, Texas 77843, or call 713-845-5023. An Equal Opportunity/Affirmative Action Employer.**

GEOLOGY/CHEMISTRY

Faculty position teaching Geology and Organic Chemistry in community college. M.S. required. Interesting geological area. Send credentials (including transcripts) to **Dean Ellsworth Mayer, Blue Mountain Community College, Pendleton, Oregon 97801. An Equal Opportunity Employer.**

GEOPHYSICAL INSTITUTE

UNIVERSITY OF ALASKA, FAIRBANKS

Applications are invited for two positions. Candidates will be judged primarily on their research record, as evidenced by the quality of publications in the scientific literature or by such other achievements as may be documented. Attention will also be paid to experience in teaching geophysics and/or its underlying disciplines. The basic qualification for both posts is a Ph.D. in physics or geophysics, or the equivalent in training and experience. Previous experience in polar research would be desirable. Fluency in the reading and writing of English is mandatory.

Professor of Geophysics in auroral and airglow science. This is one of the senior posts at the Institute. Candidates must have a distinguished record in research and research leadership, preferably relating to the spectroscopy and collision phenomena of auroral science. The professor will be expected to be competent in both theoretical and experimental aspects. Some experience in a branch of public service, for example, in a federal agency, could be advantageous.

Assistant Professor of Applied Science: Candidates should have breadth of background in problem-solving and techniques relating to the Arctic, for example, in remote sensing, land-use planning, sea-ice stresses and motions, atmospheric phenomena, or telecommunications. Experience in the following areas would be advantageous: dissemination of scientific results to potential users; feasibility demonstration projects; liaison with federal, state, and local authorities; means of enhancing the public understanding of science.

The University is an Equal Opportunity Employer; women and members of minority groups are encouraged to apply.

For further information, write to the **Director, Geophysical Institute, University of Alaska, Fairbanks, Alaska 99701.**

INSTRUCTORSHIP IN ANIMAL PHYSIOLOGY

Primary responsibilities will be supervision of laboratory teaching in several animal physiology courses (junior and senior levels).

Candidates should hold at least an M.Sc. Previous experience in teaching laboratory courses in animal physiology is desirable.

Starting salary in the region of \$12,000. Appointment starts 1 July 1975, and is a 2-year appointment (renewable).

Curriculum vitae plus three letters of reference should be sent to **Dr. D. Parkinson, Head, Department of Biology, University of Calgary, Calgary, Alberta, Canada T2N 1N4. The closing date for applications will be 1 April 1975.**

MICROBIOLOGIST

Position for Assistant Professor of Biological Sciences as of September 1975. Candidates should be prepared to develop vigorous research program in Microbiology, and to direct graduate students toward M.S. and Ph.D. degrees. Teaching responsibilities will involve courses in Introductory Biology and Microbiology. Preference will be given to candidates with postdoctoral experience. Closing date for applications: 31 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.**

POSITIONS OPEN

BIOLOGY

Department of Biology, University of Ottawa, invites applications for positions in the following fields:

1) *Community Ecology*. A senior appointment is possible, salary and rank negotiable. Candidate's ability to establish a major research program in community ecology is essential.

2) *Comparative Physiology*. Appointment to be made at the Assistant Professor level with preference to the field of cardiovascular-respiratory physiology of lower vertebrates.

3) *Cell or Developmental Biology*. Appointment to be made at Assistant Professor level with preference to the general area of differentiation of cells in culture. Staff are expected to take part in teaching at the undergraduate and graduate levels as well as to establish vigorous research programs. Ability to teach in French is an asset, failing which willingness to learn is essential. Curriculum vitae and names of two referees to **Dr. J. G. Kaplan, Selection Committee, Department of Biology, University of Ottawa, Ottawa, Ontario K1N 6N5, Canada.**

Le département de Biologie de l'Université d'Ottawa cherche trois professeurs dans les domaines suivants:

1) *Ecologie des Communautés*. Nomination aux niveaux titulaire ou agrégé est possible. Le facteur déterminant sera la capacité du candidat d'établir un programme de recherches en écologie des communautés.

2) *Physiologie Comparée*. Nomination sera faite au niveau de professeur adjoint; préférence à la physiologie cardiovasculaire-respiratoire des vertébrés inférieurs.

3) *Biologie Cellulaire ou du Développement*. Nomination au niveau de professeur adjoint; préférence à la différenciation cellulaire en culture de tissus. Curriculum vitae au **Dr. J. G. Kaplan, Département de Biologie, Université d'Ottawa, Ottawa, Ontario K1N 6N5, Canada.**

Ph.D. LIPID BIOCHEMIST

For research position conducting human health related research. Minimum of 6 years of experience post-Ph.D. Investigative areas include atherosclerosis, alcoholism, and aging. Send curriculum vitae and copy of transcript to: **Dr. Charles C. Middleton, Director, Sinclair Comparative Medicine Research Farm, University of Missouri, Columbia, Missouri 65201. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

AUSTRALIA UNIVERSITY OF MELBOURNE LECTURESHIP IN THE DEPARTMENT OF BIOCHEMISTRY

Applicants should hold the qualification of Ph.D. or equivalent and should preferably have had teaching experience in biochemistry. The appointee will be required to participate in the teaching of biochemistry at the undergraduate level and to undertake original research and the training of postgraduate students. The department has a wide range of modern research equipment.

The appointee will be expected to take up duties on 1 September 1975 or as soon as possible thereafter.

Salary: A\$11,250 to A\$15,100 per annum. The salary stated is subject to confirmation in the light of legislation to be passed by the Commonwealth Parliament.

Further information about the position and the department, together with details of application procedure and conditions of appointment, is available from **The Registrar, University of Melbourne, Parkville, Victoria, 3052, Australia.**

Applications referring to Position No. 521005 should be addressed to The Registrar. Closing date: 31 March 1975.

MICROBIOLOGIST

Cargill, Inc., a major agri-business firm, is seeking a qualified microbiologist to join its research staff at the Cargill Research Center in suburban Minneapolis. Position involves planning and conducting research on microbiological and biochemical processes. Prefer B.S., M.S., or Ph.D. in Microbiology or Biochemist with appropriate experience. A minimum of 2 years' experience in industrial fermentations is required. If interested in this challenging research opportunity, send résumé, including salary history, in confidence to **Gary Palmer, Cargill, Inc., Cargill Building, Minneapolis, Minn. 55402. An Equal Opportunity Employer M/F.**

POSITIONS OPEN

MANAGER, TOXICOLOGY MANAGER, ANALYTICAL BIOCHEMISTRY

To fill important positions in a dynamic and fast growing contract research organization in New Iberia, Louisiana. Prefer Ph.D. for each position. Toxicologist should have at least 3 years' experience in studies involving metals, pesticides, and other organics. Analytical biochemist must have research experience in pesticides, drugs, or carcinogens. Starting salary commensurate with education and experience. Excellent fringe benefits include 3 weeks of vacation each year, generous sick leave provisions, group life, hospitalization and major medical insurance, and TIAA-CREF retirement program. Send résumé to **Personnel Manager, Gulf South Research Institute, 8000 GSRI Avenue, Baton Rouge, Louisiana 70808.**

An Equal Opportunity Employer

NEUROPATHOLOGIST. Full-time position at Assistant Professor level in the academic department; 2 to 3 years of posttraining experience in autopsy and surgical neuropathology, student- and resident-level teaching, research interest required. Formal training in neurology desirable. Résumé and names of three references to: **Dr. E. Hoenig, Director, Division of Neuropathology, Temple University School of Medicine, Philadelphia, Pa. 19140. An Equal Opportunity/Affirmative Action Employer.**

PATHOLOGIST

To fill an important position in a dynamic and growing contract research organization in New Iberia, La. Prefer Ph.D. with experience in lab animal pathology. Starting salary commensurate with education and experience. Excellent fringe benefits include generous vacation and sick leave provisions, group life, hospitalization and major medical insurance, and TIAA-CREF retirement plan. Send résumé to **Personnel Manager, Gulf South Research Institute, 8000 GSRI Avenue, Baton Rouge, Louisiana 70808. An Equal Opportunity Employer.**

Toxicologist

Stauffer Chemical Company offers an excellent long-term opportunity to an experienced Toxicologist in its Product Regulation Department at Corporate Headquarters in Westport, Conn. Co-ordinating with our research toxicology unit, this individual will provide expert opinion to our Occupational Health Department on the safety evaluation of a variety of current and new products, maintain contact with government toxicological testing laboratories to learn of developments affecting product regulatory status, and direct contract toxicology programs.

Requirements are an MS or PhD in Toxicology or Veterinary Toxicology, and 3-5 years of industrial, governmental, or academic experience. Fully commensurate salary and fine benefits are provided, along with the opportunity for professional growth in a strong and stable company continuing to grow vigorously in worldwide markets.

Send resume, including salary history, in confidence, to: **Mr. Bevin Spence, Stauffer Chemical Company, Westport, Conn. 06880.**

An equal opportunity employer M/F

Stauffer
CHEMICALS

DIRECTOR

Division of Biological and Medical Research

ARGONNE NATIONAL LABORATORY

Applications and nominations are invited for the position of Director of the Division of Biological and Medical Research of Argonne National Laboratory. The Laboratory is operated by the University of Chicago under contract with the University of Chicago, the Argonne Universities Association, and the United States Energy Research and Development Administration. The research program of the Division includes a broad range of problems in fundamental biology, studies in radiation toxicology, the toxicology of other energy effluents, and in mechanisms of aging and carcinogenesis. A candidate should have a record of distinguished achievement in biological and medical research and the ability to give scientific and administrative leadership to a large and diverse Laboratory.

Applications or nominations should be submitted by April 1, 1975 to: **Dr. W. K. Sinclair, Associate Laboratory Director for Biomedical & Environmental Research, Argonne National Laboratory, Argonne, Illinois 60439.**



**ARGONNE
NATIONAL LABORATORY**

An equal opportunity employer, M/F

POSITIONS OPEN

BIOLOGIST

Applications are invited for a faculty position as an Assistant Professor. Applicants should hold a doctorate degree and should be capable of teaching General Biology, Anatomy, and Physiology. Teaching experience is desirable. Submit a résumé to: **Dr. Frank F. Katz, Chairman, Department of Biology, Seton Hall University, South Orange, New Jersey 07079. An Equal Opportunity/Affirmative Action Employer.**

DIRECTOR, International Programs Office, Carolina Population Center, UNC-CH. Federally supported program with responsibility for 17 projects. Requires: program development, management, evaluation, contract negotiations, and international institutional development. Ability to work simultaneously with University, funding agencies, and developing countries. Knowledge and experience in international population-related service and research. Prefer doctoral-level training, with substantial relevant experience. Contact: **Personnel Office, Carolina Population Center, 123 West Franklin Street, Chapel Hill, North Carolina 27514. Equal Opportunity Employer.**

GENETICIST

Two Assistant Professor positions in Genetics, September 1975. Teaching at the undergraduate and graduate levels, with active research. (i) Research in human population genetics preferred. (ii) Research area open. Ph.D. required. Send curriculum vitae, all official transcripts, and addresses of three references to **Dr. J. D. Smith, Genetics Section, Department of Plant Sciences, Texas A&M University, College Station, Texas 77843. Texas A&M University is an Equal Opportunity/Affirmative Action Employer.**

NEPHROLOGIST—The Division of Nephrology in the Department of Medicine at the University of Alabama in Birmingham has available a position at the Assistant Professor or the Associate Professor level. The position is open to qualified individuals at a senior level fulfilling three criteria. First, the individual must have expertise in the care and management of patients with renal disease and in the operation of a hemodialysis unit. Second, the individual must have a firm commitment to teaching programs oriented to medical students, graduate students, house officers, and fellows. Finally, the individual should have a research background and be able to carry out independent research, preferably in renal micropuncture. Apply to the **Division of Nephrology, University Station, Birmingham, Alabama 35294. Telephone: 205-934-3585. An Equal Opportunity/Affirmative Action Employer.** Expiration date for receipt of applications: 1 June 1975.

PHARMACOLOGY FACULTY POSITION

An Assistant or Associate Professor level position in Pharmacology is currently available at the Springfield Campus. Position involves teaching Medical Pharmacology in an innovative, organ-system-oriented, self-instructional curriculum and research (cardiovascular and/or renal interests preferred). Applicants should send curriculum vitae and have three letters of reference sent to **Dr. William H. Cline, Director of Pharmacology, Southern Illinois University, School of Medicine, 707 North Rutledge Street, Springfield, Illinois 62708. An Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION IN PHARMACOLOGY

The Department of Environmental Practice, College of Veterinary Medicine, University of Tennessee, is accepting applications for a position in pharmacology. Duties will consist of both teaching and research in pharmacology. Appointment will be on a 12-month basis. Persons applying should possess the D.V.M. or equivalent degree and suitable postdoctoral education or training.

Applications and inquiries should be addressed to: **Dr. Hiram Kitchen, Professor and Head, Department of Environmental Practice, College of Veterinary Medicine, University of Tennessee, P.O. Box 1071, Knoxville, Tennessee 37901.**

Applications should include a curriculum vitae, transcripts of academic records, three letters of recommendation, and reprints of research papers. Deadline is 1 April 1975.

The University of Tennessee is an Equal Opportunity Employer.

POSITIONS OPEN

The Department of Physiology-Anatomy, University of California, Berkeley, invites applications for a **PHARMACOLOGIST** to organize and teach a program in pharmacology and to conduct research in that area. The candidate should have extensive teaching and research experience. The level of appointment will be commensurate with qualifications. Applicants should submit a curriculum vitae, a list of significant publications, a statement of current research interests, and the names of three references to: **Dr. Paola S. Timiras, Department of Physiology-Anatomy, University of California, Berkeley, California 94720.** The materials should not exceed five pages and must be received by Dr. Timiras no later than 15 May 1975. The position is available immediately. *The University of California is an Equal Opportunity Employer.*

PHYSIOLOGIST

The Department of Surgery at the Peter Bent Brigham Hospital (Harvard Medical School) invites applications from Ph.D. physiologist interested in clinical and experimental circulatory physiology. The position is with an ongoing hospital-centered program; opportunities and facilities for independent work; faculty appointment according to experience. Reply to: **Alfred P. Morgan, M.D., Peter Bent Brigham Hospital, 721 Huntington Ave., Boston, Mass. 02115.**

The International Laboratory for Research on Animal Diseases (ILRAD) has scientific, postdoctoral, and Visiting Scientist positions immediately available in immunology, parasitology, biochemistry, immunochemistry, pathology, cell culture, and electron microscopy. ILRAD is sponsored by a consortium of donor agencies and will have an international scientific staff conducting research on various aspects of trypanosomiasis and East Coast fever. Persons with training and experience in areas appropriate to research on trypanosomiasis and East Coast fever are invited to inquire at the address given below and should provide a current curriculum vitae which includes name, age, citizenship, education, chronology of professional experience, and list of publications. **Dr. James B. Henson, Director, ILRAD, P. O. Box 47543, Nairobi, Kenya.**

POSTDOCTORAL POSITION available immediately to work on bilayer lipid membranes. Applicants must have working knowledge on biophysical aspects of membranes. Salary \$9250 (U.S. citizen) for 12 months. Applications with curriculum vitae, naming three references, should be sent to **Dr. M. Montal, Department of Biochemistry, Center for Research and Advanced Studies of the National Polytechnic Institute, P.O. Box 14-740, México 14, D.F.**

POSTDOCTORAL POSITION

Available immediately or by late spring. Nuclear protein modification, chromatin, DNA polymerase, and cell cycle of HeLa cells. Recent Ph.D., experience in molecular biology. Send curriculum vitae, reprints, and time of availability to: **Dr. Mark Smulson, Department of Biochemistry, Georgetown University Schools of Medicine and Dentistry, 3900 Reservoir Road, NW, Washington, D.C. 20007. Telephone: 202-625-7580.**

POSTDOCTORAL POSITION

Ph.D. with experience or interest in protein chemistry, enzymology, or enzyme purification to work on glycogen synthetase phosphatase. Salary, \$10,000. Available spring 1975. Send curriculum vitae with names of two references to **Dr. T. R. Soderling, Department of Physiology, Vanderbilt University, Nashville, Tenn. 37232.**

SCIENCE AND MATHEMATICS TECHNOLOGY. Hiring Faculty for a new community college campus. Positions available in Biology (2), Chemistry (1), Mathematics (3), Physical Science/Physics (1), Environmental Science (Waste Water Treatment) (1), Science Technology (1), Air Conditioning and Refrigeration (1), Electronics (1), and Physical Education (1). Starting between 1 July or 1 September. Interest and experience in alternative modes of instruction and curriculum development desirable. Opportunity to help develop programs within clear, but flexible, campus goals. Masters required. Deadline 1 April. Send résumé and information on alternative teaching experience to **Dr. Philip I. Connors, Chairman, Division of Environmental and Natural Sciences, c/o Saunders School, 15941 Cardinal Drive, Woodbridge, Virginia 22191. Equal Opportunity Employer.**

POSITIONS OPEN

PHYSIOLOGIST

SAN DIEGO STATE UNIVERSITY

Applications are invited for a temporary 9-month appointment as assistant or associate professor, starting 1 September 1975. Teaching responsibilities will include courses in human physiology and general endocrinology. Candidates should send a curriculum vitae, reprints, and three references to: **Dr. William Hazen, Chairman, Department of Biology, San Diego State University, San Diego, California 92182, before 15 April 1975. We seek applications from qualified persons of both sexes and all ethnic backgrounds. An Equal Opportunity/Affirmative Action Employer.**

YALE UNIVERSITY

DEPARTMENT OF PHARMACOLOGY

Several positions are available for Assistant Professors, or, with exceptionally qualified individuals, Associate Professors, in the following areas: (i) Differentiation and replication control in relation to membranes; cancer chemotherapy and immunotherapy; (ii) cellular aspects of neural function; (iii) and studies of drug metabolism and action in experimental or clinical therapy.

Assistance in establishment of new laboratories and limited support of research is available. Candidates must be prepared to teach in Pharmacology programs. *We welcome applications from minority group members and women in these areas.*

Please send a curriculum vitae, bibliography, three reference names, a summary of past research, and a brief outline of proposed research projects to: **Dr. Robert E. Handschumacher, Chairman, Department of Pharmacology, Yale University School of Medicine, New Haven, Conn. 06510, before 30 April 1975.**

POSTDOCTORAL JUNIOR OR SENIOR RESEARCH POSITIONS available immediately. Structural characterization of the oligosaccharide moiety of pure membranous angiotensin-converting enzyme and fractionation of antibody to different antigenic determinants of the enzyme. Requirements: Prior pre- or postdoctoral experience in glycoprotein characterization or immunochemical techniques. Please send curriculum vitae and two letters of recommendation to **Dr. R. L. Soffer, Department of Molecular Biology, Albert Einstein College of Medicine, Bronx, New York 10461.**

POSTDOCTORAL POSITION

To study the physiological disposition of radioactive-labeled narcotic drugs in laboratory animals. Training in methods of chemical pharmacology required. Research to be performed in the Department of Pharmacology. Stipend \$10,000 for 12 months. Available 1 June or 1 July 1975. Send résumé and two letters of recommendation to **Dr. L. A. Woods, Box 606, MCV Station, Medical College of Virginia, Virginia Commonwealth University, Richmond, Virginia 23298. An Affirmative Action/Equal Opportunity Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE in the area of DNA replication and repair in prokaryotes. The opening is of 2 years' duration beginning 1 June 1975. Applications will be considered until 31 March 1975. Minimum requirements are a Ph.D. in the areas of biochemistry, biophysics, or molecular biology. Applicants should be familiar with use of radioactive tracer compounds, enzyme purification, and physical chemical characterization of biological macromolecules. Indication of ethnicity and sex for Affirmative Action statistical purposes is requested but not required. Send detailed curriculum vitae and three letters of reference to: **Biology Search Committee, The University of Texas at Dallas, Institute for Molecular Biology, P.O. Box 688 Station 15BB-1, Richardson, Texas 75080. The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.**

PROFESSOR AND CHAIRMAN

State University of New York at Buffalo, School of Medicine, has an opening for the position of chairman of the Department of Pharmacology and Therapeutics. The qualified candidate should be an experienced teacher and administrator with an established research position in the field. He should have interest and at least some experience in clinical medicine. Correspondence with curriculum vitae should be directed to **Felix Milgrom, M.D., Department of Microbiology, State University of New York, Buffalo, New York 14214. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS

Several positions are available with different faculty members in the Department of Biochemistry in the areas of glycoprotein synthesis, membrane function, developmental biology in eukaryotic models, cell surface interactions, and RNA-protein interactions. Starting stipends will be \$9,000 to \$10,000 per year depending on qualifications. Contact **Dr. Alan Elbein, Department of Biochemistry, University of Texas Health Science Center, San Antonio, Texas 78284. An Equal Opportunity Employer.**

POSTDOCTORAL RESEARCH POSITION—CELL GENETICS

Position available from 1 July 1975 for study of mutagenesis, repair and enzyme expression in cultured haploid frog cells in the laboratory of Dr. Jerome J. Freed. Send résumé and three references to: **Ms. M. T. Dixon, The Institute for Cancer Research, Fox Chase Cancer Center, Philadelphia, Pa. 19111. An Equal Opportunity/Affirmative Action 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.

REPRODUCTIVE PHYSIOLOGIST

Description: Research Associate or Postdoctoral Fellow position to study mechanism of action of gonadotropic hormones. Should be familiar with at least one of the following areas: autoradiography, protein synthesis, RNA metabolism, cyclic nucleotides, steroidogenic enzymes, or immunocytochemistry. Deadline for application is 30 April 1975. Apply to:

Dr. L. C. Faulkner, Chairman, Department of Physiology and Biophysics, Colorado State University, Fort Collins, Colo. 80523.

CSU is an Equal Opportunity Employer

RESEARCH IN REPRODUCTIVE BIOLOGY

Reproductive biologist/physiologist with Ph.D., M.D. or D.V.M. and at least 3 years of postdoctoral experience in primate reproductive biology, preferably including laparoscopy. Should have generated grant or contract support as principal investigator. Individual will have independent research opportunity and will also have participation and responsibility in cooperative research program. Will be expected to develop grant and contract supported programs. Send curriculum vitae, bibliography, references, summary of research interests, and salary expectations to **Personnel Manager, Southwest Foundation for Research and Education, P.O. Box 28147, San Antonio, Texas 78284. An Equal Opportunity/Affirmative Action Employer.**

UNIVERSITY OF CALIFORNIA, BERKELEY

The **Group in Science and Mathematics Education** seeks outstanding candidates for research and lecturer positions (possibly joint with another department) at assistant professorship level. Applicants should have interests in developing new instructional or learning models, systematic approaches to teaching problem-solving skills, new educational methods or technologies, or other basic work contributing to significant advances in education at all levels. Submit curriculum vitae, bibliography, and description of research interests to **Prof. F. Reif, Physics Department, University of California, Berkeley, Calif. 94720. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH POSITION

Position available for individual with training in neuroendocrinology and reproductive physiology. Radioimmunoassay experience desirable but not essential. Send curriculum vitae and references to:

**Professor E. S. E. Hafez
Gynecology-Obstetrics and
Reproductive Physiology
Medical Research Building
550 East Canfield
Detroit, Michigan 48201**

SENIOR ANATOMIST

Experienced teacher, Associate or Full Professor, currently pursuing an *active* research program. Duties: Course director, gross anatomy, and assist in planning and implementation of new programs. Send inquiries with curriculum vitae to: **Dr. M. R. Schweithal, Department of Anatomy, School of Medicine, East Carolina University, Greenville, N.C. 27834. ECU is an Equal Opportunity/Affirmative Action Employer.**

SENIOR PHYSIOLOGIST

Senior physiologist of established reputation with expertise and active research program relevant to marine biomedicine to serve as professor and assume administrative responsibilities in the marine biomedical program at Scripps Institution of Oceanography and the UCSD School of Medicine. Ph.D. or M.D. or equivalent, with title and salary dependent on qualifications. Associate Professor—Professor, \$18,500 to \$35,300 on calendar year basis. Send curriculum vitae and publications list to **Director, Scripps Institution of Oceanography, La Jolla, Calif. 92037, by 15 March 1975. UCSD is an Equal Opportunity Employer with an Affirmative Action Program.**

STATISTICAL GENETICIST

Applications are invited for a full-time research position in human population genetics to begin 1 September 1975. Rank and salary dependent on qualifications. Submit curriculum vitae, brief statement of current research interests, and three references to: **Dr. Newton E. Morton, Director, Population Genetics Laboratory, 1980 East West Road, Honolulu, Hawaii 96822.**

TEACHING/RESEARCH POSITIONS IN BIOLOGY

Plant Taxonomist, Associate Professor, **Animal Ecologist**, Assistant Professor, **Plant Geneticist**, Assistant Professor, cytogeneticist preferred but consideration will be given to strong applicants in physiological ecology and developmental morphology. **Neurophysiologist**, (pending approval) Assistant Professor. All positions to begin September 1975. Salaries open. Postdoctoral experience desirable, duties to include graduate and undergraduate courses in area of specialty and some participation in General Biology. Strong commitment to research required. Send curriculum vitae and names of three or more references to **Dr. Robert A. Paterson, Head, Department of Biology, Virginia Polytechnic Institute and State University, Blacksburg, Virginia 24061. An Affirmative Action/Equal Opportunity Employer.**

UNIVERSITY OF TORONTO, DEPARTMENT OF ZOOLOGY. Applications are invited for the position of **Assistant Professor** from candidates qualified to teach a course in General and Comparative Physiology and with research interests in sensory perception and/or information processing. The position will be tenable at Erindale College Campus from 1 July 1975. Salary negotiable. (Scales are under revision. The minimum is expected to be \$14,000; currently \$12,300.) Applications with curriculum vitae should be sent to **Professor B. I. Roots, Chairman, Search Committee, University of Toronto, Erindale College, Mississauga, Ontario L5L 1C6, Canada.** Candidates should arrange for three letters of reference to be sent to the same address. Closing date: 31 March or when position is filled.

UNIVERSITY OF TORONTO, DEPARTMENT OF ZOOLOGY. VERTEBRATE ZOOLOGIST. Applications are invited for the position of Assistant Professor (2-year visiting) from candidates qualified to participate in undergraduate courses dealing with vertebrate anatomy and the functional design of animals. The successful candidate will be expected to conduct research and direct graduate students in the study of terrestrial vertebrates. The position is tenable at Erindale College Campus from 1 July 1975. Salary negotiable (scales are under revision; the minimum is expected to be \$14,000). A letter of application should be sent to the **Chairman of the Search Committee, Glenn K. Morris, Associate Professor, University of Toronto, Erindale College, Mississauga, Ontario L5L 1C6, Canada.** Closing date: 31 March 1975 or when position is filled.

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.**

ANNOUNCEMENT

SUBCONTRACT SOURCES SOUGHT. As Prime Contractor for the Preclinical Toxicology Program of the National Cancer Institute, Battelle's Columbus Laboratories has potential subcontractor opportunities in the areas of: (i) standard and special protocol large animal toxicologic evaluations; (ii) mouse toxicity studies with histopathology; (iii) organ specific toxicologic evaluations including hemolysis, thrombogenicity/venous irritation, cardiac function impairment, simultaneous determination of renal/hepatic toxicity, and CNS toxicity; (iv) detailed toxicologic studies to determine bioavailability of antineoplastic agents; (v) evaluation of the irritation and absorption resulting from the topical application of antineoplastic agents; (vi) toxicologic studies of two or more antineoplastic agents given simultaneously or sequentially. This is not a request for proposals, but organizations interested in preclinical research opportunities under this Prime Contract may submit brief capabilities statements to the **Battelle Toxicology Program Office, Department S, Suite 220, 7405 Colshire Drive, McLean, Virginia 22101.**

COURSE

Applications are being accepted for a graduate course in **ECOLOGY** scheduled for 16 June to 2 August 1975 by THE ECOSYSTEMS CENTER at the MARINE BIOLOGICAL LABORATORY, Woods Hole, Mass. 02543. The course is a comparative approach to the analysis of ecosystems. Staff instructors are Frederick E. Smith of Harvard University, and George M. Woodwell, Daniel Botkin, and Charles Hall of The Ecosystems Center. Lectures will include reports from special lecturers presenting differing views. Field and laboratory study will compare marine and estuarine stations with a forest. Students will spend several weeks on individual projects. Field trips to disturbed systems will include the effects of an oil spill, of nutrient enrichment, and of land use impacts. Applications and catalogs can be obtained from MBL (address above) and should be returned to the Laboratory, together with references, no later than 15 March 1975.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN A MULTIDISCIPLINARY PROGRAM IN CRANIOFACIAL ANOMALIES

Postdoctoral fellowships are now available for periods up to 2 years. Applications are invited from individuals with D.D.S., M.D., or Ph.D. degrees in one of the biological or behavioral sciences. The program objective is to provide fellows with specific research programs and a broad exposure in the detection, diagnosis, improvement of treatment, genetic counseling, and study of normal and abnormal craniofacial development, including molecular biology. The fellowship stipends start at \$10,000. Send curriculum vitae and two letters of reference to **Dr. Harold C. Slavkin, Program Director, Department of Biochemistry, School of Dentistry, Gerontology Center, University of Southern California, Los Angeles, California 90007. The University of Southern California is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL FELLOWSHIPS

The University of Washington Schools of Medicine and Dentistry offer a training program of 1 to 3 years' duration to individuals holding degrees in biologic or physical science, dentistry, medicine, or veterinary medicine. The multidisciplinary program is directed toward training in the content and use of modern ideas and methods of molecular biology, drawn especially from experimental pathology, microbiology-immunology, and connective tissue biochemistry in investigation of chronic inflammatory disease. Stipend support ranges from \$10,000 to \$14,000 per annum. Application may be made through **Dr. Roy C. Page, Program Director, Department of Pathology, University of Washington, Seattle, Washington 98195.**

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