

(Continued from page 50)

might never be the same again," and "... the Defense Department declared that it could not guarantee national security during the conversion period."

Nonetheless, if the unions mount a more effective lobbying effort than hitherto, they may succeed in stimulating the public discussion that has been lacking so far.—CONSTANCE HOLDEN

APPOINTMENTS

Herman Postma, director, thermonuclear division, Oak Ridge National Laboratory, to director of the laboratory. . . . **Sidney Udenfriend**, director, Roche Institute of Molecular Biology, appointed also to vice president, Hoffmann-La Roche, Inc. . . . **Leslie A. Geddes**, professor of physiology, Baylor College of Medicine, to director, Biomedical Engineering Center, Purdue University. . . . **Robert Q. Marston**, former director, National Institutes of Health, to president, University of Florida. . . . **John T. Bernhard**, president, Western Illinois University, to president, Western Michigan University. . . . **Robert J. Slater**, president, Foundation for Child Development, to president, Medical College of Pennsylvania. . . . **William J. Moore**, dean of instruction, San Bernardino Valley College, to vice president for academic affairs, University of Redlands. . . . **Milton Greenberg**, dean of faculties, Roosevelt University, to vice president for academic affairs at the university. . . . **Robert C. Judd**, former professor of operations analysis, University of Toledo, to vice president for academic affairs, Dyke College. . . . **John E. Jones**, professor of medicine, West Virginia University, to dean, School of Medicine at the university. . . . **Erwin C. Hausmann**, chairman, electronic engineering department, Northrup Institute of Technology, to dean, College of Engineering at the institute. . . . **James R. Neal**, former associate dean, School of Education, Northwestern University, to dean, School of Education, Tuskegee Institute. . . . **James A. Rutledge**, associate dean, Graduate School, University of Nebraska, to dean, Graduate School, Northern Illinois University. . . . **John Barson**, associate dean, College of Osteopathic Medicine, Michigan State University, to dean, Oklahoma College of Osteopathic Medicine and Surgery. . . . **Vernon J. Shiner**, pro-

fessor of chemistry, Indiana State University, to dean, College of Arts and Sciences at the university. . . . **Milton E. Lipetz**, professor of psychology, University of Colorado, to dean, Graduate School at the university. . . . **Donald S. Blough**, professor of psychology, Brown University, to chairman, psychology department at the university. . . . **David T. Rowlands**, professor of pathology, University of Pennsylvania School of Medicine, to chairman, pathology department at the school of medicine. . . . **Robert Michels**, associate professor of psychiatry, College of Physicians and Surgeons, Columbia University, to chairman, psychiatry department, Cornell University Medical College. . . . **John J. Spitzer**, professor of physiology, Hahnemann Medical College, to chairman, physiology department, Louisiana State University Medical Center. . . . **Wilbur B. Davenport, Jr.**, director, Center for Advanced Engineering Study, Massachusetts Institute of Technology, to chairman, electrical engineering department at the institute. . . . **Robert B. Blizzard**, acting chairman, pediatrics department, Johns Hopkins University School of Medicine, to chairman, pediatrics department, University of Virginia School of Medicine. . . . **Stephen J. Ryan**, associate professor of ophthalmology, Johns Hopkins University School of Medicine, to chairman, ophthalmology department, University of Southern California School of Medicine. . . . **William N. Spellacy**, professor of obstetrics and gynecology, University of Miami, to chairman, obstetrics and gynecology department, University of Florida College of Medicine. . . . **Donald J. Birmingham**, professor of dermatology, School of Medicine, Wayne State University, to chairman, dermatology and syphilology departments at the university. . . . **Darrell R. Williams**, professor of electrical engineering, University of Houston, to chairman, electrical engineering department, Illinois Institute of Technology. . . . **W. Maxwell Cowan**, chairman, anatomy department, Washington University School of Medicine, to chairman, anatomy and physiology departments, Stanford University School of Medicine.

Erratum: In "Excitability changes in cat lateral geniculate cells during saccadic eye movements," by H. Noda and W. R. Adey (8 February, page 543), line 14, column 1, page 544, is in error. The sentence beginning at the end of line 12 of that column, and the following sentence, should read: "Cells showing this type of sustained response are designated S-units (9). They do not show transient response to saccades."

Personnel Placement

POSITIONS WANTED

Biochemist, Ph.D. 1970. Interested in basic research position in cell surface biochemistry or cell surface immunology, particularly as related to tumor cells or to cell growth and differentiation. Three years of postdoctoral experience with transplantation antigen purification, chemical characterization. Two years as NCI Staff Fellow working with cell surface antigens and cell surface biochemical changes produced by viral transformation. Prefer Washington, D.C., area. Available September 1974. Sam Pancake, Bldg. 8, Room 121, NIH, Bethesda, Md. 20014. X

Biochemist/Microbiologist, Ph.D. 1969. Desires position in biochemistry, microbiology, chemistry, or biology department. Highly interested in teaching and curriculum development as well as maintaining a viable research program. Experience in administration and production of curriculum materials; publications. Box 162, SCIENCE. X

Biochemistry and Physical Chemistry, Ph.D. 1964. Seven years of teaching and research, publications, grants, graduate, undergraduate and interdisciplinary courses, spectroscopy, protein binding. Desires research or administrative position. Box 163, SCIENCE. 4/5, 12, 19

Desert Plants Expert, B.S. (with honors), graduate work. Teacher, writer, photographer, more than 10 years of experience, both greenhouse, outdoor succulents. Much fieldwork, Southwest, Mexico. Desire position in botanical garden, greenhouse, similar. Salary modest. Box 164, SCIENCE. X

Director, Multidisciplinary Laboratories, Ph.D., biochemistry; minor in medical sciences. Five years' experience. Desires position with medical or dental school, preferably with additional administrative responsibilities in curriculum development and academic appointment allowing opportunities for some research and teaching. Publications and self-instructional program productions. Box 165, SCIENCE. X

Economic Geologist, Ph.D. 1966. Publications. Desires academic research-teaching position in western United States. Strong theoretical background with interests in geophysics and geochemistry. Broad North American field exploration experience in shield and cordillera. Current research and publication on porphyry deposits. Box 149, SCIENCE. 4/19, 26; 5/3, 10, 17

Endocrinologist, Ph.D. 1967. Steroid metabolism, extensive radioimmunoassay experience. Publications in basic and clinical research. Seeks challenging position. Box 166, SCIENCE. X

Environmental Cancer Biologist experienced in in vitro chemical cancer research, teaching tumor biology, cell biology, comparative anatomy, embryology, and histology. Seeks academic position. Box 167, SCIENCE. X

Environmental Study Coordinator seeks challenging administrative position. Experienced interdisciplinary project management, study design and impact analysis. Box 150, SCIENCE. X

Fishery Biologist, Ph.D. 1974. Five years of experience in fish culture. Master's and Ph.D. research on temperature/salinity effects on marine invertebrates (penaeid shrimp). Interested in invertebrate physiology/ecology, mariculture. Publications. Seeks academic, postdoctoral, or industrial position. Box 168, SCIENCE. X

Wanted: small undergraduate college where broadly trained **Geneticist** (Ph.D. 1965) can contribute significantly to curriculum innovation, experimental teaching, relevant introductory biology, interdisciplinary studies. Postdoctoral, 15 years of professional experience. 2266 Lake Circle, Jackson, Mississippi 39211. 4/5, 12

Immunologist/Clinical Chemist, A.I.M.L.T., Ph.D. Research and teaching experience in immunology. Specialty in cancer research. Numerous publications. Clinical laboratory experience in biochemistry, serology, immunology, and radioisotopic assays. Desires hospital, industrial, or academic position in Canada. Box 169, SCIENCE. X

Interdisciplinary Scientist-Engineer, M.S. Creative. Patents. Graduate training in biology, chemistry, physics, computers. Extensive R&D experience. Desires industrial or nonprofit consulting. Box 374, Blacksburg, Virginia 24060. X

POSITIONS WANTED

Oral Surgeon, D.D.S., Sc.D. Seeks full-time academic position, experienced education, published, widely lectured, have teaching and curriculum development experience. Box 170, SCIENCE. 4/5; 5/3

Pharmacologist, Ph.D. Have worked in industry and more recently have taught in a medical school. Consider myself versatile in several areas. Would like to go back into a drug screening and evaluation program, either in industry, a university, or a research institute. Box 171, SCIENCE. X

Plant Cytogeneticist-Evolutionist, Ph.D. 1968. Teaching experience in genetics, evolution, cytogenetics. Fourteen publications. Minority. Permanent resident. Box 172, SCIENCE. X

Plant Physiologist-Biochemist, Ph.D. Five years of experience in mineral nutrition, growth regulation, proteins, and photosynthesis. Strong agricultural and environmental background. Interested in industrial position. Innovative and well read. Box 173, SCIENCE. 4/5, 12

Research Administrator. Desire academic position in medical school or College of Arts and Sciences, with active research interest. Experience: independent contract laboratory and pharmaceutical industry. Graduate study: food and drug law and research management. Box 174, SCIENCE. X

Toxicologist, Ph.D. Six years' experience with state forensic laboratory and medical school pharmacology department. Background includes teaching, research, and publications. Seeking forensic toxicology position with academic institution or government agency. Box 175, SCIENCE. X

Virologist, Ph.D. Experience: 2 years in chemical carcinogenesis; 2 years postdoctoral in virology; 8 years with oncogenic viruses and tissue culture operations. Strong background in biochemistry, microbiology, immunology, Box 176, SCIENCE. X

POSITIONS OPEN

ASSISTANT DIRECTOR ENVIRONMENTAL SCIENCES

Due to program expansions, a new position has been established beginning 1 July 1974. Seeking qualified individual with program management experience in air and water quality control, occupational health and radiation surveillance. Successful candidate must possess doctorate degree in environmental sciences or chemistry plus at least 2 years of program management and supervisory experience including contract and negotiations. Salary range begins \$17,000 with consideration given to qualifications exceeding minimum requirements. University professional merit system position with excellent retirement program and other fringe benefits. Apply to **Dr. W. J. Hausler, Jr., Director, State Hygienic Laboratory, University of Iowa, Iowa City, Iowa 52242.**

The University of Iowa is an equal opportunity employer with an affirmative action program.

ASSISTANT PROFESSOR OF CHEMISTRY

Applications are invited from all qualified persons with a Ph.D. for a new position in physical chemistry to teach freshman chemistry and biophysical chemistry for premedical students. Experience in biophysical chemistry, commitment to undergraduate education and research are required. Duties may begin on 15 November 1974 or later. Applicants should send résumé, academic transcript, three letters of reference, other evidence of accomplishments, and future potential in teaching/research to **Dr. J. N. Burnett, Chairman, Department of Chemistry, Davidson College, Davidson, N.C. 28036**, before 30 April 1974. *An equal opportunity/affirmative action employer.*

ASSISTANT PROFESSOR

Position available in the Department of Physiology, University of Michigan Medical School for 1 July 1974. Candidates must have Ph.D. in mammalian physiology and 1 or 2 years of postdoctoral experience in research. Must have demonstrated ability to do independent research and to command extramural support for research program. Must have ability and willingness to teach physiology at several levels. Teaching and research duties about 50:50. Candidates with research training in cardiovascular physiology or reproductive endocrinology need not apply. Send curriculum vitae and substantive outline of research plans to **Box 177, SCIENCE, Code No. 1000H, A Nondiscriminatory Affirmative Action Employer.**

POSITIONS OPEN

ASSISTANT PROFESSOR

Position at Stanford University in **ENGINEERING DESIGN** beginning in September 1974. The position requires the ability and desire to relate to students and develop graduate and undergraduate courses in areas pertinent to design. Candidates must also have a research specialty and a strong interest in Ph.D. level research. The area of specialization should be related to the design or synthesis of engineering components or systems, machine systems, or socio-technological systems. Strong candidates with nontraditional backgrounds will be considered. Send résumé to **Professor Bernard Roth, Design Division, Stanford University, Stanford, Calif. 94305.** *Stanford University is an Affirmative Action Employer and welcomes applications from women and minority group members.*

BIOCHEMISTRY DEPARTMENT HEAD

The Department of Biochemistry of the University of Tennessee, Knoxville, seeks a person of national professional stature as its Department Head. The Department includes seven full-time staff representing biochemistry, and intends to expand in biochemistry and biophysics. Strong cooperation exists between the four biological sciences departments, and a new life sciences building is under construction. Salary and area of specialization are open. *An equal opportunity employer.* Contact:

**Dr. Ronald H. Petersen, Chairman
Biochemistry Headship Search Committee
Hesler Biology Building
University of Tennessee
Knoxville, Tennessee 37916
Phone: (615) 974-2256**

CHAIRMAN DEPARTMENT OF ANIMAL SCIENCES WASHINGTON STATE UNIVERSITY

To provide leadership and direction in teaching, research, and extension in a large, consolidated department. Qualifications required include: an earned Ph.D. degree; 10 years' experience in teaching, research and/or extension in animal, dairy, or poultry science; and demonstrated evidence of leadership, communication skills and involvement with animal industries. For job description and application information write: **V. L. Estergreen, Department of Animal Sciences, Washington State University, Pullman, Washington 99163.** Application must be postmarked no later than 30 April 1974. *Washington State University is an equal opportunity/affirmative action employer.*

CHAIRMAN, DEPARTMENT OF BIOLOGY

Applications are invited from mature, active biologists with administrative potential to chair a department of 24 faculty. The chairman should strongly support traditional research emphasis in ecology and evolution, and should seek to strengthen research potential in other areas such as cell molecular biology. Send curriculum vitae to: **Dr. Clifford S. Crawford, Acting Chairman, Department of Biology, The University of New Mexico, Albuquerque, New Mexico 87131.** *An Equal Opportunity Employer.*

FACULTY POSITIONS DEPARTMENT OF BIOLOGICAL SCIENCES UNIVERSITY OF CALIFORNIA SANTA BARBARA

AQUATIC BIOLOGY—Assistant Professorship, 1 July 1974. Teaching of undergraduate and graduate courses primarily in aquatic (marine and freshwater) biology. Active research program essential. Appointee's interests to lie primarily in zooplankton biology, aquatic ecology and secondary productivity.

BIOLOGY OF HOST-PARASITE RELATIONSHIPS—Assistant Professorship, 1 July 1974. Teaching of undergraduate and graduate courses primarily in zoology, organismal biology, and/or population biology. Active, independent research program essential. Modern scholar of host-parasite relationships being sought, with competence in one or more specialty areas in animal parasitology and/or protozoology, expected to reinforce diverse, on-going research on protist models of eukaryotes and/or aquatic and terrestrial ecology.

PLANT ECOLOGY—Two Faculty Positions, 1 July 1974 and 1 July 1975, respectively. Assistant Professor in one case; may be senior faculty in the other case. Both appointees to teach undergraduate and graduate courses primarily in botany, environmental biology and/or population biology. Active, independent research program essential. Appointees expected to complement each other in terms of specialization in physiological ecology and community ecology, respectively.

APPLICATIONS with curriculum vitae, list of publications, names of references, and summary of research interests should be sent to: **Chairman, Department of Biological Sciences, University of California, Santa Barbara, California 93106.** Letters of reference should not be sent until requested. Applications from women and members of minority groups are encouraged. *The University of California is an Affirmative Action Employer.*

POSITIONS OPEN

BIOORGANIC CHEMIST

A faculty position is available in a Graduate School associated with a medical center in the New York City metropolitan area. The appointment will be in the Graduate Program in Physical and Organic Chemistry, but a joint appointment in a medical school preclinical basic science department, preferably biochemistry, will be necessary. The candidate will be responsible for teaching organic chemistry to graduate students in the life sciences. Some contact with medical students will also be entailed.

Research experience in a field of organic chemistry related to the life sciences is essential. Candidates should submit a curriculum vitae and the names of three references to **Dr. Stanley W. Sajdera, Director, Program in Physical and Organic Chemistry, Downstate Medical Center, Box 8, 450 Clarkson Avenue, Brooklyn, New York 11203.**

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CHAIRMAN, DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE

Applications are invited from persons with a distinguished record of accomplishment in teaching and research in physiology, toxicology, sanitary science, or occupational health. Position available July 1974. Applications and nominations considered without regard to race, religion, sex, or national origin. Please submit to:

**Dr. Alan Ross
Environmental Health Science Committee
Room 3039
The Johns Hopkins University
School of Hygiene and Public Health
615 North Wolfe Street
Baltimore, Maryland 21205**

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DEVELOPMENTAL BIOLOGY

One or more openings, Assistant Professor Zoology. Duties include management of General Biology labs, participation in graduate training, and establishment of research program. Submit complete application including three letters of recommendation to **Norman Kerr, Department of Zoology, University of Minnesota, Minneapolis, Minn. 55455.**

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THE UNIVERSITY OF MELBOURNE

Junior Research Fellow in

Marine Bacteriology

Westernport Environmental Study

in the

School of Microbiology

Applications are invited for this position.

Qualifications:

The successful applicant should hold a Ph.D., have had research experience in Marine Bacteriology and be capable of independent research. Applications should include the names of at least two referees.

Duties:

The Westernport Environmental Survey is co-ordinating a study of the biota of Westernport Bay. The long-term aim of this study is to provide information upon which decisions on the management of this Bay can be based.

The Junior Research Fellow will carry out a study of the bacterial flora of the Bay with special references to the cycling of nutrients in the seagrass and mangrove communities. The work will be done in the School of Microbiology, where technical assistance and general facilities are provided. Field work will be done in conjunction with the Westernport Study.

Salary:

A\$7,322 in the first year with annual increments to A\$7,678. A\$1,000 is available to assist with travel to Australia for an overseas candidate.

It is hoped that the successful candidate can begin duties immediately. The grant is available for 3 years. Further information can be obtained from **Dr. N. F. Millis, School of Microbiology, University of Melbourne, Parkville 3053, Australia.**

THE UNIVERSITY OF CALGARY

DEPARTMENT OF BIOLOGY

Applications are invited from animal physiologists interested in and committed to excellence in undergraduate teaching, as well as graduate teaching and research, for the following post that will become available on 1 August 1974.

Assistant Professor or Instructor to be responsible for a course in human physiology and to assist in the teaching of comparative animal physiology. This is a full-time teaching appointment which will be made for a 2-year term (in the first instance). The salary floor for an Assistant Professor is \$13,200 per annum and for an Instructor \$10,230 per annum.

Applicants should submit curriculum vitae and ask three referees to send letters of reference to Dr. D. Parkinson, Professor and Head, Department of Biology, The University of Calgary, Calgary, Alberta, Canada T2N 1N4, by 14 April 1974.



THE UNIVERSITY OF CALGARY

DEPARTMENT OF BIOLOGY

Applications are invited from virologists, interested in and committed to excellence in undergraduate teaching as well as graduate teaching and research, for the following post that will become available on 1 August 1974.

Assistant Professor to be responsible for a course in virology at the senior undergraduate level and to assist in teaching immunology and general cell biology.

An Assistant Professor is a full-time teaching appointment with a salary having a floor of \$13,200 per annum. This appointment will be made for a 2-year term (in the first instance).

Applicants should submit curriculum vitae and ask three referees to send letters of reference to Dr. D. Parkinson, Professor and Head, Department of Biology, The University of Calgary, Calgary, Alberta, Canada T2N 1N3, by 15 April 1974.



RENAL PHARMACOLOGIST (Ph. D.)

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Emphasis will be on the development of drugs for the treatment of kidney diseases and the evaluation of drugs as they affect renal function. Doctoral degree and background in renal pharmacology or physiology are essential. Experience with renal function tests is desired.

Please direct your inquiry, with confidential résumé, to Research Personnel, Schering Corporation, 60 Orange Street, Bloomfield, New Jersey 07003.



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Female-Male

A position is open for **CHAIRMAN OF THE DEPARTMENT OF EPIDEMIOLOGY AND INTERNATIONAL HEALTH** at the University of Washington, Seattle, Washington. The Department has a strong commitment to research training, general epidemiologic education, and field study of epidemiologic diseases. Emphasis has focused on infectious disease epidemiology but the current trend is toward increased involvement in chronic disease epidemiology. Qualifications for the chairmanship include a personal commitment to and a record of research accomplishments. A medical degree would be advantageous. Interested persons should promptly forward a curriculum vitae to **Professor Donovan Thompson, Department of Biostatistics SC-32, University of Washington, Seattle, Wash. 98105.**

The University is an equal opportunity and affirmative action employer.

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Qualified individuals with experience in filtration techniques with media and serum production experience or cell culture production knowledge with an ability to produce. An opportunity for progression into upper management. Send résumé to

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Cary, Ill. 60013

UNIVERSITY OF ILLINOIS

Applications are invited for faculty positions in the following areas for fall 1974:

- 1) **Clay Science**
- 2) **Engineering Geology or Engineering Geophysics**
- 3) **Marine Geology**

A senior person with a prominent research record and industrial experience will be given preference for the position in engineering geology. Rank open, but established researchers generally preferred for all positions. Salary dependent upon qualifications. Send résumé to **F. A. Donath, Head, Department of Geology, University of Illinois, Urbana, Ill. 61801.**

The University of Illinois is an affirmative action-equal opportunity employer and encourages applications from members of minority groups and women.

GEOPHYSICIST

A temporary vacancy is to be filled in applied geophysics for the academic year 1974-1975. The candidate's specialty can be in any area of geophysics, but a working knowledge of the conventional disciplines of gravity, magnetics, electrical methods, heat flow, and seismology is essential. The Ph.D. is required. A résumé and three letters of reference should be sent to the **Chairman, Department of Geology, University of Montana, Missoula, Montana 59801.** A publication list and reprints of representative papers will aid the selection process, and newly graduated candidates should have transcripts submitted.

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BIOLOGY DEPARTMENT HEAD

Position available 1 September 1974; must be filled by September 1975. Washington and Lee University. Ph.D. required, some administrative experience, strong background of training and competence in animal histology and cell biology, and a productive research program. Send résumé to **Search Committee, Biology Department, Washington and Lee University, Lexington, Virginia 24450.**

An equal opportunity employer

Opening exists in the Assistant Research, Associate Research, or full Research level for **EXPERIMENTAL and THEORETICAL OCEANOGRAPHY**. Candidate must demonstrate exceptional proficiency in original research on problems of current importance to understanding the characteristics of the ocean from a physical point of view; Ph.D. in oceanography or related field. Inquiries with curriculum vitae should be sent to **Dr. C. S. Cox, Chairman, Ocean Research Division, Scripps Institution of Oceanography, Box 1529, La Jolla, California 92037.** *The University of California is an equal opportunity employer with an affirmative action program.*

IMMUNOLOGIST, Ph.D.

To join privately endowed hospital-based team of researchers (virologists, biochemists, electron microscopist, oncologists, and radiation therapists) in full-time cancer research. Applied basic research. Unusual set-up. Ability to write grant proposals an asset. Send your curriculum vitae to: **M. Gokcen, M.D., Ph.D., 4141 Golden Valley Road, Minneapolis, Minnesota 55422.**



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Aquatic Biologists

TVA has immediate need for an Aquatic Biologist to act as division specialist in fisheries with principal responsibilities in planning, conducting and evaluating the Division of Forestry, Fisheries and Wildlife Developments research programs in fishery aspects of TVA steam or other power plant planning, construction and operation; and in the preparation and review of the fishery sections of environmental impact statements.

Qualifications: Master's in fisheries or other aquatic sciences with emphasis on fisheries, and two years experience in the application of these sciences is desired.

Excellent salary commensurate with experience and an outstanding benefits package is offered.

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IMMUNOLOGISTS

IMMUNOCHEMISTS

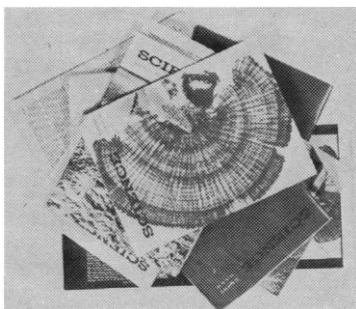
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POSITIONS OPEN

HEAD, DIVISION OF OPHTHALMOLOGY IN THE DEPARTMENT OF SURGERY University of California, San Diego

Qualifications include: (i) substantial experience and a high level of skill in clinical ophthalmology and patient care; (ii) substantial experience and a high level of skill in teaching medical students, interns, and residents; (iii) experience and a high level of accomplishment in scientific research; and (iv) experience and ability in administration within an academic setting.

Send curriculum vitae, bibliography, and three letters of reference along with first inquiry to:

Marshall J. Orloff, M.D.
Chairman, Department of Surgery
University Hospital
225 W. Dickinson Street
San Diego, California 92103

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IMMUNOLOGIST. Individual with strong background in immunology, particularly in relation to cancer. This person will be given the opportunity and expected to develop his or her own research areas as well as to collaborate in ongoing work on antibodies to small molecules.

PHARMACOLOGIST-TOXICOLOGIST. Individual with strong general pharmacology or toxicology background. Duties will include supervision of drug screening. This person will be given the opportunity and expected to develop his or her own research areas and to collaborate with strong chemistry group.

Applicants for these two positions should submit résumé, references, and a detailed outline of research areas they wish to develop to **Dr. M. E. Wall, RESEARCH TRIANGLE INSTITUTE, P.O. Box 12194, Research Triangle Park, N.C. 27709.** *An equal opportunity employer, M/F.*

POSITIONS OPEN

IMMUNOLOGIST

Ph.D. or M.D. with postdoctoral experience. Assistant professor. Research and teaching medical and graduate students. Send résumé to **Dr. Morton M. Weber, Department of Microbiology, St. Louis University School of Medicine, St. Louis, Missouri 63104.** *An Equal Opportunity/Affirmative Action Employer.*

PEDIATRICIAN

Board certified or qualified with training in developmental disabilities. This person will have responsibilities for training and clinical service in an interdisciplinary program. Faculty appointment is available in the Department of Pediatrics. Applications are welcomed from minority group candidates and women. Position available 1 September 1974. Curriculum vitae and references should be addressed to:

Stanley Berlow, M.D., Diagnostic and Treatment Unit, Waisman Center, 2605 Marsh Lane, Madison, Wis. 53706.

PHYSICIST OR PHYSICAL CHEMIST

Two-year (minimum) position to develop photographic emulsions and image intensifiers for the High Voltage Electron Microscope. Experimental physics and electron microscopy experience required. Knowledge of emulsion chemistry an advantage. Salary \$15,300 first year plus fringe benefits and \$16,400 second year. Send a complete curriculum vitae, list of papers, and two letters of recommendation to: **Dr. Donald F. Parsons, Electron Optics Laboratory, Roswell Park Memorial Institute, 666 Elm Street, Buffalo, New York 14203.** Telephone: (716) 845-2378.

POSITIONS OPEN

THE SCRIPPS INSTITUTION OF OCEANOGRAPHY

has an opening for a **Junior Specialist** at an annual salary of \$9060. To qualify, candidates should have a B.S. in chemistry with specialization in the earth sciences. Duties involve planning, design, and construction of mechanical apparatus to conduct experimental investigations in the areas of plasma chemistry, plasma and gas condensation, and plasma-solid interactions with emphasis on solar system and interstellar processes. Inquiries with curriculum vitae are to be sent to **Professor Gustaf Arrhenius, Geological Research Division, Scripps Institution of Oceanography, University of California at San Diego, La Jolla, California 92037.** *The University is an equal opportunity employer with an affirmative action program.*

Ph.D. IN BIOCHEMISTRY

Full-time research on molecular mechanisms of hormone action. Salary to \$15,500; V.A. Hospital research lab, affiliated with outstanding University, N.Y. area. Send résumé.

Box 178, SCIENCE

PLANT ECOLOGY

A senior position for a Plant Ecologist at the rank of Full or Associate Professor is available in the Department of Biology, York University, Toronto, tenable 1 July 1974, although later appointment can be arranged if necessary. Exceptional junior candidates with postdoctoral experience may also be considered. Salary negotiable and commensurate with rank. Send curriculum vitae, reprints, and names of three referees to **Professor J. D. Friesen, Department of Biology, York University, 4700 Keele Street, Downsview, Ontario, M3J 1P3, Canada.**

CEREBROVASCULAR RESEARCH CENTER DEPARTMENT OF NEUROLOGY UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE BALTIMORE, MARYLAND 21201

Postdoctoral or research associate position available in an interdepartmental interdisciplinary program of scanning and transmission electron microscopic studies of experimental animal models relevant to human cerebrovascular disease. Candidates should have broad background in fine structural techniques and interest in vascular anatomy, physiology and pathology. Contact: **Dr. Erland Nelson, Chairman.**

Equal opportunity and affirmative action employer.

THE UNIVERSITY OF WISCONSIN—MILWAUKEE COLLEGE OF ENGINEERING AND APPLIED SCIENCE and CENTER FOR GREAT LAKES STUDIES PROFESSOR OF ENVIRONMENTAL ENGINEERING

Qualifications sought: Outstanding scientific and professional qualifications and experience, combining teaching, research, and research leadership in the fields of water resources management and environmental engineering. Selection will be made on the evidence of the applicant's past and continuing output in terms of trained professionals, published research, and contributions to analysis, planning, treatment, and management of water resources.

Duties: Development of and leadership in coherent programs of teaching and graduate research directed to water resource systems, including multidisciplinary modeling approaches to the aquatic environment and to resource management and planning in an urban and Great Lakes context. Appointment, at an academic year salary commensurate with qualifications and experience, will be 70 percent in the College of Engineering and Applied Science and 30 percent (research appointment) in the Center for Great Lakes Studies.

Applications with curriculum vitae and names of three professional referees to: **Dr. C. H. Mortimer, Chairman of Search Committee, Center for Great Lakes Studies, The University of Wisconsin—Milwaukee, Milwaukee, Wisconsin, USA, 53201.**

Affirmative Action Employer

RESEARCH ASSOCIATE for program dealing with the development of social cognition and social relations in adolescence: demonstrable design, data collection, analysis, and interpretation skills required. Research experience with children and/or adolescents required. Ph.D. concentration in combination of cognitive and social development strongly preferred. Two-year, 12-month appointment (with 1 month's vacation) with extension dependent upon funding. Ph.D. or requirements for it must be completed by 26 August 1974 (when appointment begins). Send curriculum vitae with names of referees and statement of bases for interest or special qualifications to: **Professor John P. Hill, Department of Human Development and Family Studies, Cornell University, Ithaca, N.Y. 14850.**

An Equal Opportunity Employer



THE UNIVERSITY OF GUELPH

Invites nominations and applications
for the position of

PRESIDENT

The University of Guelph is a publicly supported institution, established in 1965. The present full time enrolment is approximately 8500 undergraduate and 600 graduate students. There are 700 faculty members, and the annual operating budget is in excess of \$50 million. The University has Colleges of Agriculture, Arts, Biological Science, Family and Consumer Studies, Physical Science, Social Science and Veterinary Medicine. The University operates year-round on a tri-semester system.

As Vice-Chancellor, Chairman of Senate, and chief executive officer, the President has general supervision over, and is responsible for, the operation of the University, including the academic programs and business affairs of the University, and such other duties as may be assigned by the Board of Governors. In the performance of these functions, the President is assisted by a Vice-President (Academic), a Vice-President (Administration), and a Provost (Student-Affairs).

The appointment is for a term of five years, effective 1 July, 1975, with the possibility of extension upon review.

The salary and other benefits are negotiable and will be fully commensurate with the responsibilities involved.

Applications for this position should be accompanied by a detailed curriculum vitae and the names of referees. Letters of nomination should include a resume of the qualifications of the person nominated.

Applications, nominations and enquiries should be addressed to:

Mr. W. W. Lasby,
Chairman of the Presidential Selection Committee,
University of Guelph,
Guelph, Ontario, Canada.
N1G 2W1.

POSITIONS OPEN

PROFESSOR AND CHAIRMAN OF PHARMACOLOGY

The Department of Pharmacology at Temple Health Sciences Center School of Medicine is now accepting applications and nominations for the position of Chairman of the Department of Pharmacology. Persons with a distinguished record of accomplishments in teaching and research, an interest in clinical correlation in this discipline are invited to apply. It is hoped that this position will be filled in 1974. Applications and nominations will be considered without regard to race, religion, sex, or national origin and should be sent to **Dr. Mary P. Wiedeman, Chairman, Search Committee for Department of Pharmacology, Philadelphia, Pa. 19140.**

An equal opportunity, affirmative action employer.

RESEARCH ASSOCIATE

Background in immunology and biochemistry to be engaged in a project of thrombosis research. Two years with Dr. Stefan Niewiarowski.

**Specialized Center for Thrombosis Research
Temple University Medical School
Philadelphia, Pa. 19140**

UNIVERSITY OF MISSOURI-COLUMBIA SCHOOL OF MEDICINE

Vacancies for faculty positions in the Departments of Ob-Gyn, Pathology (board certified, clinical), Psychiatry, Physical Medicine and Rehabilitation, Radiology, and Surgery; and housestaff positions in Physical Medicine and Rehabilitation, Psychiatry, Radiology. Send inquiries in care of **Department chairmen, University of Missouri-Columbia School of Medicine, Columbia, Mo. 65201.** *UMC is an equal employment and educational opportunity institution.*

DEPARTMENT OF HEALTH Scientist

**National Health Institute
Wellington, New Zealand**

A position is available for a Scientist with considerable experience in immunology and in particular the practical aspects of Serological tests. The successful applicant will be responsible for the development of a wide range of serological techniques, production of antigens and antisera, research into and appraisal of new techniques, development of serological proficiency testing. Qualifications desired: Ph.D. or M.Sc., with considerable experience in immunology or a medical graduate with post graduate qualifications in microbiology. Salary up to NZ\$11,249 per annum according to qualifications and experience.

For application forms and further information please contact the New Zealand Ambassador, New Zealand Embassy, 19 Observatory Circle NW, Washington D.C. 20008.

Applications close on 17 May 1974 and should quote vacancy No. 1242.

SENIOR EDP SYSTEMS ANALYST

The University of California cordially invites qualified persons to apply for a position as SENIOR EDP SYSTEMS ANALYST—to develop computer information systems for conservation research.

The incumbent will develop simulation models which help to reveal the behavior of a mixed conifer ecosystem subject to impact by oxidant air pollution. Direct personal interaction with an interdisciplinary research team from areas of forest ecology, entomology, forest pathology, soil science, meteorology, and air pollution. Requires a B.S. degree plus at least 3 years of experience in systems analysis and modeling, and working knowledge of GPSS, Simscript, APL, PL-1, and Algol. Prefer academic background in an ecologically oriented field, and strong interest in design and operational success of automated data systems focused on environmental concerns.

Salary range: \$15,120 to \$18,396 per annum. Send résumé to **N. C. Rhoden, Personnel Office, 2539 Channing Way, University of California, Berkeley, California 94720.**

An Equal Opportunity Employer

STAFF NEUROLOGIST

Position available at the Veterans Administration Hospital in affiliation with the Department of Neurology, University of Michigan Medical School. Candidate must be fully trained and Board eligible or Board certified in Neurology and must be competent in clinical neurology. Must have experience and/or ability in teaching medical students and house staff and in administrative aspects of hospital medical care. Prefer someone with demonstrated ability and/or interest in neurological research. Must be eligible for full-time VA employment. Professorial rank dependent on qualifications. Code #600N. Send curriculum vitae to **Dr. E. R. Feringa, Veterans Administration Hospital, Ann Arbor, Mich. 48105.** *A Non-Discriminatory Affirmative Action Employer.*

POSITIONS OPEN

SENIOR PSYCHIATRIST

Key Administrative position in Municipal Hospital Department of Psychiatry. Requires skills in program development and evaluation, community care, and teaching. Boards and New York State licensure required. Faculty appointment and salary appropriate to experience. Send curriculum vitae to: **Arthur Frie, Assistant Administrator, Fordham Hospital, Southern Blvd. and Crotona Ave., Bronx, N.Y. 10458.**

THE HERSHEY FOODS CORPORATION

has a need for a Supervisor of Animal Research to manage and conduct nutritional studies with small animals. An M.S. degree in Nutrition or Animal Science is preferred; a B.S. degree in the above disciplines with a strong background in nutritional studies in small animals is acceptable. Send résumé with salary requirements to **N. Williams, Personnel Department, Hershey Foods Corporation, Hershey, Pennsylvania 17033.** *An Equal Opportunity Employer M/F.*



Hershey Foods

Hershey, Pennsylvania 17033

TECHNICAL INFORMATION SPECIALIST (SOCIAL SCIENCES)

The Food and Drug Administration is seeking applicants with advanced degrees in psychology or in the field of Public Health or communications which included courses in sampling, statistics, computer programming, research design and attitude theory preferably with applications to health. The position entails research and evaluation in drug communications, the conduct of special studies of social science technical information as related to drugs, including the collection of information and evaluation of trends in drug use by health professionals and consumers, and their implications. Starting salary \$14,671 per annum (GS-11) or \$17,497 per annum (GS-12). Send detailed résumé to **Dr. Deanne E. Knapp, Food and Drug Administration, HFD-40, 5600 Fishers Lane, Rockville, Maryland 20852.** Telephone: (301) 443-6490.

Where Equal Opportunity is the Rule.

VIROLOGIST

Position available immediately at the Comparative Leukemia Studies Unit, New Bolton Center, University of Pennsylvania, to join research group working on mammalian RNA oncogenic viruses. Experience in tissue culture and viral technology required. Rank and salary will be determined by qualifications. Please submit curriculum vitae and list of publications to: **Dr. Jorge F. Ferrer, University of Pennsylvania, New Bolton Center, Kennett Square, Pa. 19348.**

UNIVERSITY OF WESTERN AUSTRALIA

Perth

APPOINTMENT IN ZOOLOGY

Applications are invited for appointment as LECTURER SENIOR LECTURER or ASSOCIATE PROFESSOR in the Department of Zoology. Inquiries are invited from persons actively working and teaching in marine biology. The Department would be interested in submissions from people engaged in any of the numerous facets of marine work including physiology, quantitative studies and/or fisheries biology. Detailed information may be obtained from the **Acting Head of the Department, Associate Professor J. W. Shield.** The salary ranges at current exchange rates are: Associate Professor—\$US23,671 per annum; Senior Lecturer—\$US18,218 to \$21,247 per annum; and Lecturer—\$US12,916 to \$17,793 per annum. Conditions of appointment are available from the Staffing Officer.

Applications in duplicate stating full personal particulars, qualifications and experience should reach the **Staffing Officer, University of Western Australia, Nedlands, Western Australia, 6009,** by 13 April. Candidates should request three referees to write immediately to the Staffing Officer.

GRADUATE STUDY

GRADUATE TRAINEESHIPS— MICROBIOLOGY

Traineeships in Microbiology beginning September 1974 (Genetics, Virology, Molecular Biology, Microbial Chemistry, Immunology, Bacteriophage, Venereal Disease, Cytology). Full or partial tuition remissions and stipends up to \$2400 per year. Contact: **Dr. Arthur K. Szaz, Department of Microbiology, Georgetown University Schools of Medicine and Dentistry, 3900 Reservoir Rd., NW, Washington, D.C. 20007.**

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN NEUROPHARMACOLOGY

Applicants holding the Ph.D. or M.D. degree will be considered for research fellowships in neuropharmacology or neurophysiology. Research training under experienced sponsorship will emphasize electrophysiological techniques, such as extracellular recording and iontophoresis studies in mammals. Starting date open. For information write: **S. C. Wang, M.D., Ph.D., College of Physicians and Surgeons, Columbia University, 630 West 168 St., New York, N.Y. 10032.**

POSTDOCTORAL FELLOWSHIPS

in the social, psychological and physiological aspects of aging are now available from the Duke University Center for the Study of Aging and Human Development. The fellowships will run for 2 years and are open to those who will hold the M.D. or Ph.D. degree by fall 1974. For further information and application materials write:

**Dr. Gail R. Marsh
Box 3003
Duke University Medical Center
Durham, North Carolina 27710**

POSTDOCTORAL FELLOW

Opening available 1 July 1974, for a Fellow (M.D. or Ph.D.) in gastrointestinal physiological research for 12 months with option for renewal. Stipend depends on experience. Send curriculum vitae and three references to **G. Robert Mason, M.D., Ph.D., Professor and Chairman, Department of Surgery, University of Maryland Medical School Hospital, 22 S. Greene Street, Baltimore, Md. 21201.**

MASSACHUSETTS INSTITUTE OF TECHNOLOGY seeks applicants for M.I.T.-Rockefeller Foundation POSTDOCTORAL FELLOWSHIPS

These positions are Postdoctoral Fellowships for a term of 3 years carrying faculty appointment at the Assistant Professor level and are associated with a program of Environmental Studies supported in part by the Rockefeller Foundation.

Social Systems Modeler

This position deals with the prediction and quantitative modeling of the interaction between large-scale constructed facilities and the political, economic, and social environment they are built to serve. The ideal candidate would be a social scientist with a first degree in engineering, interested in quantitative modeling to forecast demands and to show impacts on demographic trends, social indicators and other abstract societal measures. The person desired would have an understanding of such issues as perception and utility, a strong background in computer modeling, quantitative methods and system dynamics, and would be comfortable working with engineers and economists in evaluating large-scale water resources, transportation, and building systems developments.

Land Use Planner

This position is directed towards the interactions among land use, the constructed facilities to support those uses such as transportation and municipal services, and environmental quality. The ideal person would be interested in two types of problems. One is the way that services influence development and land use. The second pertains to the ways that zoning, planned development and other institutional structures can be used to ameliorate the impact on the social and physical environment of urbanization and land use changes. The candidate should have a background in engineering including some familiarity with water resources and/or transportation problems as well as a good grounding in planning at the local and regional level. In addition, a strong interest in analytic and computer modeling in both physical and social systems and an interest in interdisciplinary research is required.

These positions are centered in the Department of Civil Engineering with the possibility of joint appointment in another department as may be appropriate.

Send curriculum vitae, reprints of publications, and have three letters of recommendation sent to

**Professor Peter S. Eagleson, Head
Department of Civil Engineering
Room 1-290
Massachusetts Institute of Technology
Cambridge, Mass. 02139**

M.I.T. is an Equal Opportunity, Affirmative Action Employer.

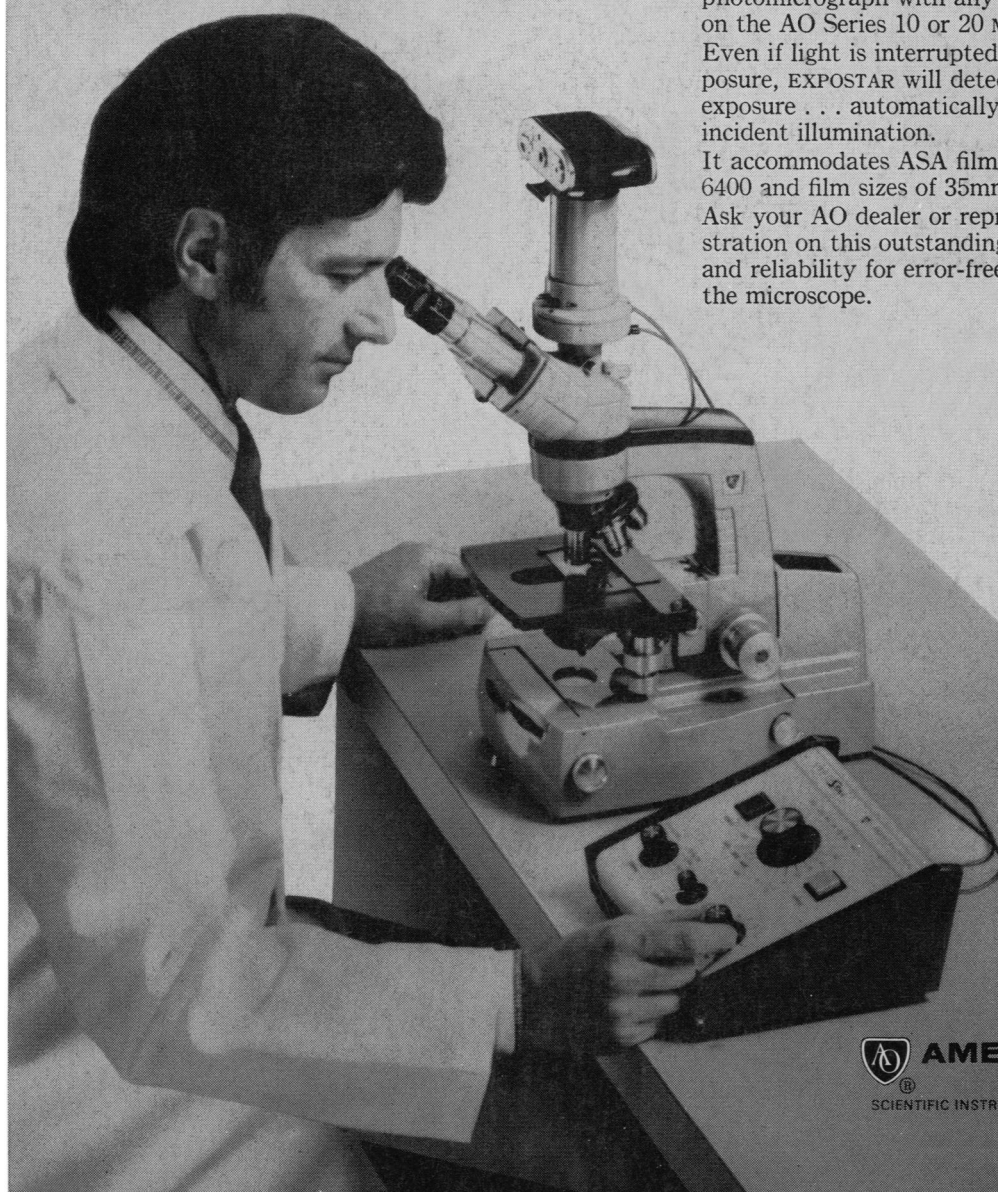
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