

Personnel Placement

POSITIONS WANTED

Biochemist/Electron Microscopist. Ph.D. 1970. Experience in bioenergetics; membranes; cell fractionation—liver, brain; drug binding; alcohol research; drug abuse. Chemistry background. Seeks research/teaching, industry, government position. Available January 1974. Box 510, SCIENCE. 10/26

Cell/Developmental Biologist, Ph.D., 1972. Seeks permanent research-oriented appointment for fall 1974. Experienced in analysis of transcriptional/translational regulation; special interest in interdisciplinary research. Box 519, SCIENCE. X

Cytologist, Electron Microscopist, 20 years of experience in research and university teaching. Desires position in industry, for example, drug. Box 520, SCIENCE. X

Expert in Environmental Diffusion seeks opportunity to work on organism dispersal. Book on mathematical ecology (animal dispersal) in preparation. Broad background. Publications. Dr. Akira Okubo, Chesapeake Bay Institute, Johns Hopkins University, Baltimore, Maryland 21218.

General Manager, V.P., director. Ph.D. microbiology. Experience: production, quality control, R & D, marketing. Health fields: biologicals, diagnostics, pharmaceuticals. Desires management, R & D, quality control, or academic administrative position. Box 514, SCIENCE. 10/26; 11/2, 9

M.D., Ph.D. Biochemist, 33. Experience in serum fractionation, erythrocyte enzyme purification, immunochemistry, and amino acid sequence; many publications. Seeks academic position, teaching and research; prefer in medical school. Box 515, SCIENCE. X

POSITIONS WANTED

Plant Ecologist, Ph.D. 1970. Academic and industrial experience in systems ecology. Desires academic position with teaching and research. Available 1 January 1974. Box 516, SCIENCE. X

Protein Immunochemist (33, Ph.D. Engineer—5 years industry). Research abroad or United States; English, Dutch, German, French; methods development—fractionation—Laurell immunoelectrophoresis—radioimmunoassay (RAST). Box 517, SCIENCE. X

Virologist, 3 years molecular biology postdoctoral, 2 years medical school junior faculty, experience in animal bacterial virology, tissue culture, cancer research. Five publications. Available January. Judith Truden, 545 Elm Grove Road, Elm Grove, Wisconsin 53122. 10/26; 11/2

POSITIONS OPEN

ASSISTANT PROFESSOR OF CHEMISTRY
Applications are solicited from organic chemists whose principal research interest is in biosynthesis or in natural products. Candidates are sought who have exceptional qualifications and who have outstanding promise in graduate education and research. Forward biographical data, publication list, and brief research proposals, and have letters of reference sent to **Professor John J. Eisch, Chairman, Department of Chemistry, State University of New York at Binghamton, Binghamton, N.Y. 13901.** An equal opportunity/affirmative action employer.

AMS EMPLOYMENT BULLETIN

The Department of Meteorology at the Pennsylvania State University is seeking candidates for faculty appointments in several branches of atmospheric science. Openings exist for specialists in synoptic and applied meteorology, in dynamics and numerical weather prediction, and in areas associated with scientific and mathematical analysis of problems related to atmospheric quality, and climatic evolution. A Ph.D. degree (or equivalent or in progress) is required. Faculty rank and salary will be commensurate with the experience and accomplishments of successful candidates. Interested persons should write promptly to the **Department in care of Professor John A. Dutton, 503 Deike Building, University Park, Pa. 16802.** The University is an equal opportunity, affirmative action employer.

BIOCHEMICAL PHARMACOLOGIST

Consider this recently created addition with our expanding Research Division located in suburban Philadelphia. Requirements include Ph.D. in biochemical pharmacology or M.S./B.S. with experience in both in vivo and in vitro techniques. Strong biochemical background with emphasis in enzyme kinetics and drug metabolism essential. Please send résumé in confidence to: H. C. Ford

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UNIVERSITY OF CALIFORNIA, BERKELEY DEPARTMENT OF GEOLOGY AND GEOPHYSICS

A vacancy is anticipated for an Assistant Professor whose research interests lie in the genesis of metamorphic rocks. In addition to teaching graduate and undergraduate courses in metamorphic petrology, the successful candidate will be required to teach field mapping techniques, including from time to time, the summer field course. Candidates, who should have received their Ph.D. degrees within the last 4 years (or expect to do so in 1974), should send their applications, together with copies of their published research to: **Professor I. S. E. Carmichael, Department of Geology and Geophysics, University of California, Berkeley, California 94720.** Closing date for applications is 1 December 1973. The University of California is an equal opportunity employer with an affirmative action program.

THE UNIVERSITY OF CALGARY

HEAD and/or SENIOR APPOINTMENT DEPARTMENT OF PSYCHOLOGY THE UNIVERSITY OF CALGARY

The Department of Psychology of The University of Calgary is currently seeking a new Head for the department to replace Dr. W. R. N. Blair who has been appointed Associate Vice-President (Research). A senior academic with established research interests and, preferably, some administrative experience, is being sought to head the department which has approximately thirty staff members and offers Ph.D. programmes in a broad range of experimental areas. Rank and salary will depend upon the qualifications of the successful candidate.

It is also possible that a senior level academic appointment (Full Professor) will be available.

Suggestions of possible candidates as well as letters of application (accompanied, in the first instance, by a curriculum vita) should be addressed to:

**R. G. Weyant, Dean
Faculty of Arts and Science
The University of Calgary
Calgary, Alberta, Canada
T2N 1N4**



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BENTHIC ECOLOGIST, Ph.D.

An immediate opening exists for a benthic ecologist to participate in an interdisciplinary academic research program. Candidates are expected to participate in interdisciplinary research courses. Should be capable of independent work. Salary commensurate with experience. Send résumé stating date of availability to **Box 490, SCIENCE**.

BIOLOGICAL SYSTEMS ANALYST

Immediate opening for individual to coordinate an estuarine ecosystem research program including the interpretation and synthesis of data and the construction of biological models. Principal elements of the program are nutrient cycling, food web analysis and associated physical processes.

Send résumé to: **Director, Chesapeake Bay Center for Environmental Studies, Smithsonian Institution, Route 4, Box 622, Edgewater, Maryland 21037.**

DEPARTMENT CHAIRMAN

Applications and nominations are invited for the position of Chairman, Department of Geological Sciences, State University of New York at Buffalo, starting September 1974. Send résumé to **Chairman, Geological Sciences Search Committee, Office of the Provost, Faculty of Natural Sciences and Mathematics, State University of New York at Buffalo, Buffalo, New York 14214.**

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FACULTY POSITION ENDOCRINE BIOCHEMIST

The Department of Biochemistry of the University of Miami is seeking an established investigator to join the Endocrine Laboratory, which is oriented to biochemical aspects of reproductive endocrinology. Please submit curriculum vitae and names of three references to **Dr. J. Marsh, University of Miami School of Medicine, P.O. Box 875, Miami, Florida 33152.**

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EPIDEMIOLOGIST

Academic position open for physician with substantial experience in teaching and research in epidemiology. Academic rank and salary to be negotiated on basis of individual qualifications. Desirable qualifications: (i) competence in the area of chronic and degenerative diseases; (ii) M.P.H. or equivalent degree; and (iii) specialty board certification or equivalent. Send résumé to **Fred M. Davenport, M.D., Chairman, Department of Epidemiology, School of Public Health, University of Michigan, Ann Arbor, Mich. 48104.** The University is a non-discriminatory, affirmative action employer.

GENETICIST

Arizona State University will have a faculty position available for a Ph.D. Geneticist in August 1974. Preference will be given to individuals with a strong background in genetics and molecular biology and research interests in developmental genetics. Salary and rank will depend on experience. Send curriculum vitae and three letters of recommendation to **Dr. Kathleen Church, Department of Zoology, Arizona State University, Tempe, Arizona 85281.**

TWO INSTRUCTOR POSITIONS

available in the Department of Radiology, University of Michigan Medical School, for 1 July 1974. Candidates must be Board eligible or Board certified. These physicians will take part in the programs of patient care, teaching and research. Will supervise the activities of the resident staff and aid in teaching of residents and medical students. Codes #1800N and #2900N. Send résumés to **Box 518, SCIENCE, A Non-discriminatory Affirmative Action Employer.**

PALEOMAGNETIST/GEOMAGNETIST

The University of Arizona has an opening for a faculty member in the Department of Geosciences. The successful candidate will be responsible for conducting investigations into the paleomagnetic history of rocks, developing the necessary facilities, teaching courses on these subjects, and assisting in developing the present programs in general geophysics. Rank and salary depend on background and experience. For new doctorates, an outstanding academic record is essential; for people with experience, a record of publications is desired. The position is for September 1974; all applications should be in before January 1974. Further information can be obtained from: **Dr. Edgar J. McCullough, Jr., Head, Department of Geosciences, University of Arizona, Tucson, Arizona 85721.**

TWO POSTDOCTORAL POSITIONS. Synthesis, chemical, and biological characterization of vasoactive peptides as well as vasodilators (organic nitrates). Studies range from evaluation of conformation to receptor characterization, mechanism of action, and biological applications of vasoactive substances. Requirements: Ph.D. in organic or medicinal chemistry or equivalent training with strong interest in biological applications. Send curriculum vitae and references to **Dr. G. R. Marshall, Dr. P. Needleman, Washington University School of Medicine, 660 South Euclid Ave., St. Louis, Mo. 63110.**

RESEARCH ASSISTANT-TECHNICIAN

Position available in new laboratory doing research in mechanisms of drug-induced liver injury at clinical level. Applicant should have Ph.D. or master's and be familiar with analytical chemistry/biochemistry. Salary according to experience: \$8,500 to \$11,000. Send résumé to **Dr. M. Black, Liver Unit, Department of Gastroenterology, Temple University Health Sciences Center, 3401 North Broad St., Philadelphia, Pa. 19140.**

Two 1-year **Postdoctoral Research Fellowships** for recent Ph.D.'s in the **Biological Sciences** are available for 1974-75. Inquiries should be sent to: **Dr. Laurens N. Ruben, Chairman, Department of Biology, Reed College, Portland, Oregon 97202.** Reed is an Equal Opportunity Employer

NEUROBIOLOGY POSTDOCS

Eight postdoctoral fellowships will be awarded for 2 years of research at University of California, San Diego. Fellows may begin work from 1 January 1974 to 1 October 1974. Applicants with background in biochemistry, pharmacology, cell biology as well as conventional neurobiological disciplines are welcome. Stipends, provided by a grant from a private foundation, are comparable with those at other major universities. Send curriculum vitae and supporting documents to **S. Barondes, Chairman, Fellowship Committee, University of California, San Diego, La Jolla, California 92037.**

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I certify that the statements made by me above are correct and complete.

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Business Manager

SCIENCE, VOL. 182

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