

Personnel Placement

POSITIONS WANTED

Academic/Scientific Publishing Executive with outstanding qualifications. Marketing, editorial, production, administration of books and journals, seeks position with society or firm. New York City metropolitan area. Box 334, SCIENCE. 9/9, 16

Biochemist: Ph.D., seeks faculty/research/administrative position. See Jourdkian ad in the 12 August 1977 issue of SCIENCE. 9/9, 16, 23, 30; 10/7

Biochemist: Ph.D. 1969; experience in enzymology, genetics, carbohydrate and aminosugar metabolism, structure and function of the membrane; publications. Seeks position in industry, research institute, or academia. Box 335, SCIENCE. X

Biochemist-Chemist. Ph.D. Broad research and teaching experience. Publications. Experience in neurochemistry, membranes, proteins, lipid biochemistry, enzymology. Research in diabetes and metabolism. Strong background in analytical methods and radioisotopes. On medical school faculty for last 6 years. Desires academic, hospital, industrial, or government position. Available immediately. Box 339, SCIENCE. X

D.V.M. 1973. French Pharmacologist. Three years of experience in pharmacology industry, cardiovascular, enzymology, labeled compounds, basic computer analysis, biostatistics. Seeks research position or fellowship, industry, government. Reply: Dr. Morre, 120 Joffre, 81100 Castres, France. X

Entomologist/Nematologist. Ph.D. 1968. Experience in biology, ecology, control of insect pests. Several papers. Seeks position in academia, industry, government. 1407 Mace Avenue, Bronx, New York 10469. X

Recent graduate. **M.A. Geography, 1976. B.S. Biology, 1974.** Seeks entry-level position. Available immediately. Will relocate. Box 340, SCIENCE. X

Medical Psychologist. Psy.D. 1975. Three years of postdoctoral experience in pediatric psychoneuroendocrinology, behavioral cytogenetics, and behavioral sexology. Teaching experience and publications. Seeks clinical/research position in a teaching hospital and/or university setting. T. Mazur, Phipps 400, The Johns Hopkins University, Baltimore, Maryland 21205. 9/9, 16

Microbial Geneticist, Ph.D., seeks industrial research position. Postdoctoral and industrial research experience. Previous employment in major government research facility; private nonprofit research hospital; pharmaceutical research. Excellent publications; recommendations. Box 341, SCIENCE. X

Microsurgery. Transplantation immunology laboratory supervisor experienced in rat and mice organ transplants such as kidney, spleen, bowel, nerve, and so forth. Also cellular and humoral immunity tests. Seeks position in industry and/or research. Write: D. Racelis, 124 East 91 Street, New York, N.Y. 10028. X

POSITIONS OPEN

DEPARTMENT OF PSYCHOBIOLOGY UNIVERSITY OF CALIFORNIA, IRVINE

Position anticipated at level of **ASSISTANT PROFESSOR.** Preference will be given to area of synaptic transmission; particular interests might include regulation of catecholamine metabolism, small peptide neurotransmitters, and so forth. A multidisciplinary approach is preferred and candidates should have strong background in biochemistry, emphasizing this approach in research. Postdoctoral experience desired. Applicants should submit a curriculum vitae, references, publications, and a detailed statement of research plans for the next 3 to 5 years to **Chair, Department of Psychobiology, University of California, Irvine, California 92717.** Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.

POSITIONS OPEN

ANATOMICAL DIENER

Need experienced diener for School of Medicine. Licensed embalmer or funeral director with minimum of 3 years' experience. Salary commensurate with experience. Résumé must be received before 22 September. Write

Personnel Department
Oral Roberts University
P.O. Box 2187
Tulsa, Okla. 74171

ASSISTANT DIRECTOR

DEPARTMENT OF GRADUATE MEDICAL EDUCATION

Saint Barnabas Medical Center, a member of the Council of Teaching Hospitals of the Association of American Medical Colleges, seeks an Assistant Director for the Department of Graduate Medical Education. Applicants should have a Ph.D. degree with background in administration and education. Saint Barnabas Medical Center is located in a beautiful suburban community, 45 minutes from New York City. For further information, submit curriculum vitae to Abdol H. Islami, M.D.

Saint Barnabas Medical Center

94 Old Short Hills Road
Livingston, N.J. 07039

(201) 533-5500

Saint Barnabas Medical Center is
An Equal Opportunity Employer

ASSISTANT PROFESSOR: BIOCHEMISTRY. A faculty position will be available 1 January 1978. Postdoctoral experience required. Strong chemical and physical background preferred. The new faculty member will be expected to develop a vigorous independent research program on physical chemistry of macromolecules including membranes or neurochemistry and to participate in the teaching programs for health sciences professions and graduate students. Applicants should submit résumé, brief definition of their proposed research, and three letters of reference by 20 September 1977, to **Chairman, Department of Biochemistry, Medical College of Virginia, Virginia Commonwealth University, P.O. Box 727 MCV Station, Richmond, Virginia 23298.** Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF PHYSIOLOGY AND BIOPHYSICS

The Department of Physiology and Biophysics, University of Louisville Health Sciences Center, Louisville, Kentucky, has a faculty opening (Ph.D.) at the Assistant Professor level. Teaching responsibilities will include participation in graduate courses and team taught courses for medical, dental, and nursing students.

Evidence of research ability and productivity is necessary. The field of research should be primarily in the area of neurophysiology. Successful applicant is expected to conduct independent research programs and guide graduate students. Salary approximately \$18,000.

The Department of Physiology and Biophysics occupies relatively new facilities and has extremely well equipped laboratory and office space.

Individuals interested in this position should send curriculum vitae and three letters of recommendation to: **Thomas B. Calhoun, Ph.D., Professor and Chairman, Department of Physiology and Biophysics, University of Louisville School of Medicine, Health Sciences Center, P.O. Box 35260, Louisville, Kentucky 40232.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

The State University at Oswego has an opening for an **ASSOCIATE DIRECTOR OF THE LAKE ONTARIO ENVIRONMENTAL LABORATORY.** Requirements include a Ph.D. in the physical, biological, or social sciences. Responsibilities will include the preparation and coordination of energy and environmental research grants and contracts. Salary from \$16,000 to \$18,000 depending on qualifications. Send a curriculum vitae and names of three references to:

Director
Lake Ontario Environmental Lab
State University College at Oswego
Oswego, N.Y. 13126

Deadline for applications: 15 October 1977.

ASSISTANT PROFESSOR, NEUROBIOLOGY

The Department of Biology, University of Virginia, is seeking candidates in all areas of neurobiology for an assistant professorship for September 1978. Postdoctoral research experience is required. By 1 November 1977 candidates should send a curriculum vitae and summary of research plans and have three letters of recommendation sent to: **R. H. Kretsinger, Faculty Search Committee, Department of Biology, Gilmer Hall, University of Virginia, Charlottesville, Va. 22901.** An Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR. If approved, two regular faculty positions will be filled beginning 1 January or 1 September 1978. Qualifications include completed Ph.D. and expertise in any two of the following areas: **Animal Histology, Electron Microscopy, Immunology, or Pathogenic Microbiology.** The positions involve the teaching of undergraduates and the development of an active research program. Applications should include a curriculum vitae, a graduate school transcript, a statement of research interests, and three letters of reference. Address correspondence to **Chair, Search Committee, Department of the Biological Sciences, Smith College, Northampton, Massachusetts 01063.** An Affirmative Action/Equal Opportunity Employer.

Texas A & M University's new College of Medicine is seeking to fill **ASSOCIATE and ASSISTANT PROFESSOR** positions in the Medical Biochemistry Department. Candidates should have a Ph.D. or M.D. and postdoctoral or faculty research experience. Senior-position candidates should have an ongoing funded research program in a medically relevant area, experience teaching medical students, and exposure to clinical medicine. Duties will include research, course development, and teaching medical students. Send complete curriculum vitae to: **Dr. Garret Ihler, Department of Medical Biochemistry, Texas A & M University, Attention: Route 3, College Station, Texas 77843.** Equal Employment Opportunity through Affirmative Action.

NEUROPSYCHOLOGY ASSOCIATE OR FULL PROFESSOR

The Department of Psychology, University of California, Los Angeles, has a faculty opening effective 1 July 1978 in the area of human neuropsychology. The position is at the tenure associate or full professor level, but more junior candidates with strong research records will be considered. Applicants should have strong research records and teaching interests in clinical neuropsychology, that is, neurologic and other medical applications, psychosomatics, and psychopathology.

Applicants should send curriculum vitae and five references to **Professor Morton Friedman, Chairman, Faculty Search Committee, Department of Psychology, University of California, Los Angeles, California 90024.** UCLA is an Equal Opportunity/Affirmative Action Employer.

ASSOCIATE PROFESSOR OF PHARMACOLOGY

The Florida Agricultural and Mechanical University School of Pharmacy is seeking to fill a faculty position at the Associate Professor level. The applicant must be highly qualified to teach pharmacology, conduct research, and direct graduate students. Teaching responsibilities will include clinical pharmacology and clinical pharmacokinetics. It is important that the person have teaching and research experience. All applicants should submit a résumé, a statement of research interests, and have three letters of reference sent directly to:

Dr. Margaret E. M. Tolbert, Chairman
Search Committee
School of Pharmacy
Florida A and M University
Tallahassee, Florida 32307

POSITIONS OPEN

University of California, Santa Barbara. **ASSOCIATE OR FULL PROFESSOR** to hold a joint appointment with a traditional department and the Environmental Studies Program and to be chairperson for at least one 5-year term of Environmental Studies. A distinguished research and publication record in the natural or social sciences or the humanities is essential. An emphasis on resource conservation and environmental policy is desirable. Enthusiasm for creative administration of a 450-student undergraduate major is mandatory. Starting date: September 1978 or January 1979. Submit curriculum vitae and requests for details to **Professors Garrett Hardin and Roderick Nash, Co-chairmen, Environmental Studies Search Committee, Environmental Studies, University of California, Santa Barbara, California 93106**. All applications must be received by 1 November 1977. *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT RESEARCH BIOENGINEER/ORTHOPEDICS UNIVERSITY OF CALIFORNIA, SAN DIEGO

A research position, Assistant Research Bioengineer, is being offered by the Division of Orthopedics, University of California, San Diego.

The specific duties of this position are:

- 1) To provide expertise in biomechanics in an existing multidisciplinary research laboratory.
- 2) To supervise undergraduate and graduate bioengineering students.
- 3) To interact with orthopedic residents on orthopedic biomechanics.

Applicants should have a Ph.D. degree or equivalent, with evidence of some research experience.

Applicants should send a detailed résumé by 30 September 1977 to:

Savio L.-Y. Woo, Ph.D.
Division of Orthopedic Surgery M-004-(a)
University of California, San Diego
La Jolla, California 92093

UCSD is an Equal Opportunity/Affirmative Action Employer.

BIOCHEMIST—Ph.D.

Immediate opening to study amino acid metabolism in central nervous system disorders; clinical and animal investigations. Application, including three letters of recommendation, should be sent to **Dr. S. Rosenblatt, or Dr. J. D. Chanley, MOUNT SINAI SCHOOL OF MEDICINE, Fifth Avenue and 100th Street, New York, N.Y. 10029**.

BIOCHEMIST: ASSOCIATE OR FULL PROFESSOR. A teaching and research faculty position will be available 1 January 1978 for an investigator of substantial reputation with experience in protein chemistry, including sequencing and with equilibrium, steady-state and transition state kinetics, including temperature jump and stopped-flow approaches to enzymology. Good background in teaching organic chemistry and biochemistry as well as proven ability to attract research funds preferred. Send résumé and three letters of reference by 19 September 1977 to **Chairman, Department of Biochemistry, Medical College of Virginia, Virginia Commonwealth University, P.O. Box 727 MCV Station, Richmond, Virginia 23298**. *Equal Opportunity/Affirmative Action Employer.*

The University of Western Ontario Faculty of Science, Department of Zoology CELL BIOLOGIST For Fall 1978

Applications are invited for the position of assistant professor; starting salary \$17,000+. Candidates should have postdoctoral experience and research interests in one or more of the following areas: cell physiology, physiological, ultrastructural, or genetic approaches to morphogenesis and cell patterning, cell surfaces, or cell interactions and communication. The successful candidate will be expected to conduct an active research program, and teach at the undergraduate and graduate levels. Applications, with curriculum vitae and names of at least three references, to:



Dr. M. Locke
Professor and Chairman
Department of Zoology
The University of Western Ontario
LONDON, Ontario
N6A 5B7

Applications should be received by 1 December 1977. Earlier applicants will be favorably considered.

POSITIONS OPEN

BIOMATHEMATICS AND COMPUTER SCIENCES. Major responsibility in new program involving analysis and health assessment of data on specific chemical and physical toxic agents to assist in development of mathematical and statistical effects models. Candidates should have a background which includes biology, environmental toxicology, pharmacology, physiology, or related biological science in addition to mathematical biology, modeling, statistics, and computer systems analysis. Formal training must include doctoral degree in a biological science as well as training and experience in computer sciences and with minicomputer systems. This team-research position is available 1 October 1977 at an academic research level equivalent to Assistant Professor or higher commensurate with qualifications. Applications will be accepted through 30 September 1977. Send curriculum vitae and three letters of recommendation to **Dr. Otto G. Raabe, Radiobiology Laboratory, University of California, Davis, California 95616**.

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

CELLULAR NEUROPHYSIOLOGIST. The Department of Biology at the University of Oregon is seeking a regular faculty member at the assistant, associate, or full professor level beginning September 1978. Applicants should have a broadly based interest in neurobiology and a proven ability to conduct a sustained program of original research in cellular neurophysiology. Proposals from two persons to share this position will be considered. For position description and application forms write to: **Head, Department of Biology, University of Oregon, Eugene, Ore. 97403**. *The University of Oregon is an Equal Opportunity/Affirmative Action, Title IX Institution.*

CHAIRMAN, Department of Therapeutic Radiology, University of Louisville School of Medicine. Applications are invited for the position of Chairman of the Department of Therapeutic Radiology at the University of Louisville School of Medicine. The department sees 1500 new patients for treatment per year. Qualifications include an M.D. degree, a distinguished record in teaching and research, an interest in patient care, and demonstrated administrative ability. Send curriculum vitae to: **Doctor Condict Moore, Chairman, Search Committee, Cancer Center, University of Louisville, Health Sciences Center, Louisville, Kentucky 40201**. *An Equal Opportunity/Affirmative Action Employer.*

CHAIRPERSON DEPARTMENT OF RELATED HEALTH PROGRAMS

Position reports directly to the Dean of the College of Health Sciences.

Responsibilities include supervision of established baccalaureate and masters degree programs in Medical Technology and Clinical Nutrition; planning, development, administration, and evaluation of established programs and proposed masters degree programs in Physical Therapy, Occupational Therapy, Medical Physics, and Health Education; and development and coordination of clinical training sites.

Qualifications: earned doctorate; education and experience in a health related specialty or in relevant areas of educational administration; extensive teaching, research, and administrative experience (including grantsmanship) in health sciences or educational administration.

Submit résumé to **Marie Siniotis, Chairperson of Search Committee, 600 South Paulina, Chicago, Illinois 60612**.

RUSH UNIVERSITY Rush-Presbyterian-St. Luke's Medical Center Chicago, Illinois

Affirmative Action/Equal Opportunity Employer

DEVELOPMENTAL BIOLOGIST

Amherst College seeks an assistant professor of biology in the area of developmental biology to begin 1 July 1978. Doctorate required. Responsibilities include teaching a one-semester course (with laboratories), teaching two additional courses the second semester, supervision of senior thesis research projects, and active engagement in research. Transmission electron microscope available. By 15 November 1977, applicants should have sent a curriculum vitae, copies of publications, and three letters of reference to **Chairman, Biology Department, Amherst College, Amherst, Mass. 01002**. *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

CHAIRPERSON AND LABORATORY DIRECTOR

The College of Engineering at the University of Florida invites applications and nominations for the position of Professor and Chairperson of the Coastal and Oceanographic Engineering Department and Director of the Coastal and Oceanographic Engineering Laboratory.

Qualifications for this position include:

- 1) Established reputation in some aspect of coastal and oceanographic engineering.
- 2) Research and/or academic administrative experience.
- 3) Teaching and/or research experience in the coastal and/or oceanographic engineering sciences.

Inquiries, applications, and nominations should be sent to: **Dr. D. M. Sheppard, Search Committee Chairman, Coastal and Oceanographic Engineering Department, 336 Weill Hall, University of Florida, Gainesville, Florida 32611**.

Deadline for receiving applications 15 November 1977. *Affirmative Action and Equal Opportunity Employer.*

CHAIRPERSONS: Departments of Medicine, Surgery, Pediatrics, Obstetrics/Gynecology, Psychiatry/Behavioral Sciences, and Family/Community Medicine. Closing date: 30 September 1977. Respond to: **Thomas J. Scully, M.D., Associate Dean for Academic Affairs, University of Nevada, Reno, School of Medical Sciences, Reno, Nev. 89557**. Telephone: 702-784-6001. *Affirmative Action/Equal Opportunity Employer.*

The Medical College of Georgia, Department of Family Practice, is accepting applications for the position of **CHIEF OF THE COMMUNITY MEDICINE SECTION**. Primary responsibilities include developing and implementing educational objectives for community medicine education programs, developing a program of faculty recruitment and faculty education, preparing annual budget requests for intramural funding, and identifying sources of extramural funding.

Applicants must have a doctoral degree from a recognized college or university in a health science field relevant to community medicine, public health, preventive medicine, or health care administration. Experience in the organization and presentation of educational offerings is required and experience in research and service activities is desirable. Base salary is competitive and limited income supplementation is possible. Fringe benefits are usual and competitive.

For more information contact:

**Dr. Jon Calvert, Chairman
Family Practice Department
Medical College of Georgia
Augusta, Ga. 30902**

CHEMICAL CARCINOGENESIS. Faculty position available in Cancer Research Center and Department of Pathology, University of North Carolina at Chapel Hill, starting spring 1978. Preference given to investigators with superior record who are completing their postdoctoral experience in biochemistry, molecular biology, or cell biology of carcinogenesis. Candidates should be U.S. citizens or eligible for permanent visa. Send curriculum vitae, letter indicating research plans and objectives, and three letters of recommendation to **Dr. Joseph Pagano, Director, Cancer Research Center, Box 30, Clinical Sciences Building, Chapel Hill, N.C. 27514**.

ASSOCIATE DEAN, THE GRADUATE COLLEGE

The Graduate College at the University of Illinois at the Medical Center is recruiting an individual with a doctorate in the health science fields and a background in the health sciences to serve as associate dean. Prior teaching and research experience are required; some previous administrative experience is desirable. Maintaining a research program or some teaching in the area of specialization are compatible with this position. Responsibilities will include the evaluation of graduate programs and courses, graduate student admission, and the facilitation of faculty research efforts. The Medical Center presently has extensive graduate programs in the Colleges of Medicine, Dentistry, Nursing, Pharmacy, and Public Health which lead to the M.S. and the Ph.D. degrees. Please send curriculum vitae to: **Dr. William J. Grove, Vice Chancellor for Academic Affairs, University of Illinois at the Medical Center, Box 6998, Chicago, Illinois 60680**. *The University of Illinois is an Affirmative Action Employer.*

CLINICAL RESEARCH CENTER DIRECTOR

The University of Colorado Medical Center is seeking a Director of the Clinical Research Center. Leadership of this 18-bed unit affords a blend of research-teaching opportunities. *Female and minority applicants are encouraged to apply.*

Send curriculum vitae and letters to **Peter F. Kohler, M.D., B-164, University of Colorado Medical Center, Denver, Colorado 80262. Telephone: 303-394-7614.**

DEAN—VETERINARY MEDICINE AND BIOMEDICAL SCIENCES

Colorado State University is requesting applications for the position of Dean of the College of Veterinary Medicine and Biomedical Sciences. Applicants must have a D.V.M. and preferably a Ph.D. degree. Previous experience in teaching, research, and service activities in the field of veterinary medicine is essential. Applicants with administrative experience in interdisciplinary programs, budgeting, and financial affairs and who have been active in professional organizations are desirable. Applicants should be interested in the innovative teaching of professional, undergraduate, and graduate students. Salary commensurate with experience. Nominations of candidates or direct applications consisting of a current professional résumé and any supportive documentation should be sent by 31 October 1977 to **Dean Lionel Baldwin, Chairman of Search Committee, College of Engineering, Colorado State University, Fort Collins, Colorado 80523.**

Colorado State University is an Equal Opportunity Employer and complies with Title IX requirements. Complaints should be filed with the Office of Equal Opportunity, Student Services Building.

DEPARTMENT HEAD, PLANT PATHOLOGY, UNIVERSITY OF MINNESOTA

Major responsibility for administration of department in teaching, research, extension, international programs, and cooperative USDA-departmental relationships. Nominations or statements of interest (no résumés or other documents at this time) by 1 November 1977 to: **Dr. Keith Wharton, College of Agriculture, 1420 Eckles Avenue, 277 Coffey Hall, St. Paul, Minnesota 55108. An Equal Opportunity Educator and Employer.**

ECOLOGIST

Applications are invited for an appointment as an **assistant professor** beginning fall semester 1978. Post-doctoral experience is desirable. The successful applicant will be expected to develop a strong research program and teach ecology at the undergraduate and graduate level. Submit curriculum vitae, statement of academic and research interests, relevant reprints, and three letters of recommendation to **Chairperson, Ecology Search Committee, Division of Biological Sciences, University of Michigan, Ann Arbor, Michigan 48109.** Deadline for receipt of applications is 15 November 1977. *The University of Michigan is an Affirmative Action, Nondiscriminatory Employer.*

ECONOMIC ENTOMOLOGIST

Appointment available 1 January 1978 with the Montana Agricultural Experiment Station for an individual having a Ph.D. in entomology or a related field and with experience in applied agricultural entomology. The major responsibility will be to evaluate the effects of various cropping systems on insect populations and to carry out research leading to the management of pest problems which may result. Submit résumé, transcripts, and three letters of recommendation no later than 1 November 1977 to: **Dr. Norman L. Anderson, Department of Biology, Montana State University, Bozeman, Montana 59717.**

An Equal Opportunity/Affirmative Action Employer

DEVELOPMENTAL BIOLOGIST

This year the Department of Biology at Washington University in St. Louis will make the first in a series of additional faculty appointments in developmental biology. Applications are solicited from individuals who have demonstrated exceptional competence in research beyond the doctorate and are interested in undergraduate and graduate teaching. Although it is anticipated that most applicants will be at a junior level, applications from senior individuals will be welcomed. Send curriculum vitae, description of present and future research interests, and names of three references to: **Dr. David Kirk, Department of Biology, Washington University, St. Louis, Mo. 63130. An Equal Opportunity/Affirmative Action Employer.**


DIRECTOR OF CLINICAL DENTAL RESEARCH

The School of Dental Medicine is seeking an outstanding candidate for a senior faculty appointment to serve as the Director of a new clinical research center. Qualifications should include both advanced training and experience in clinical dental research. Ability to teach clinical dental pharmacology and therapeutics is desirable but not essential. *Members of minority groups and females are encouraged to apply.* Send curriculum vitae to **Dr. Howard M. Myers, University of Pennsylvania School of Dental Medicine, 4001 Spruce St., Philadelphia, Pa. 19104.**

ECOLOGIST: MARINE BIRDS AND MAMMALS

Immediate opening: Successful candidate will work as a member of an interdisciplinary research team. Will evaluate, synthesize, and interpret research results from a wide range of Alaskan marine bird and mammal studies. Arctic/Alaska/Pacific Coast field experience desirable. Location: Boulder, Colorado. Some travel. Annual salary is \$18,000 to \$27,000 commensurate with experience. Submit résumé, reprints, and three letters of reference to: **Box 342, SCIENCE. An Equal Opportunity Employer.**

GENETICIST. Applications are invited for a faculty position in the areas of Eukaryotic Cellular Genetics and Genome Organization. The appointment will be at the **Assistant Professor** level effective 1 July 1978. Applicants must have demonstrated excellence in research and teaching and the potential to develop an independent research program which would complement strong, ongoing programs in cellular and developmental biology. Research specialties should involve the use of genetic techniques in the investigation of cellular phenomena. Teaching responsibilities involve participation in sophomore-level cell biology and/or genetics courses, plus a senior/graduate course in the appointee's specialty. Applications with curriculum vitae, list of publications, names of references, and a summary of research interest should be sent before 1 November to: **Dr. Barry I. Kiefer, Chairman, Search Committee, Department of Biology, Wesleyan University, Middletown, Conn. 06457. Wesleyan University is an Equal Opportunity/Affirmative Action Employer and encourages applications from minority groups and women.**



DIRECTOR

Energy and Environment Division Lawrence Berkeley Laboratory University of California

Applications and nominations are invited for Head of the Energy and Environment Division of the Lawrence Berkeley Laboratory. The Division is primarily funded by the Energy Research and Development Agency and has programs in:

- Conservation, combustion research, solar energy development, environmental research and instrumentation, chemical process development, regional studies and energy policy analysis.

Candidates should have a record of distinguished achievement in energy-related or environmental research and the ability to give scientific and administrative leadership to a large and diverse division of a multi-purpose laboratory.

Applications or nominations should be submitted by October 1, 1977, to:

The Energy and Environment Search Committee
Director's Office
Lawrence Berkeley Laboratory
1 Cyclotron Road
Berkeley, California 94720


LAWRENCE BERKELEY LABORATORY
An Equal Opportunity Employer

MOLECULAR VIROLOGIST PhD

Opportunity to continue a successful research career with Lederle Laboratories where our Infectious Disease Research Section is deeply involved in the isolation and immunological evaluation of antigens from human viral pathogens.

We seek a qualified investigator with a proven record of success in this area to conduct these studies. Position requires at least 2-3 years of accomplishment in post-doctoral research. Strong background in biochemistry and immunology is preferred.

We offer excellent compensation/benefits. Our modern facility is located in an easily accessible country setting just 30 miles from New York City. Send resume and salary history to Mr. C. L. Hill



LEDERLE LABORATORIES

American Cyanamid Company
Pearl River, N. Y. 10965

An equal opportunity employer, m/f

**DEAN
SCHOOL OF MATHEMATICS,
SCIENCE, AND ENGINEERING
CALIFORNIA STATE UNIVERSITY
FULLERTON**

The Dean is responsible for the educational and research programs offered by the Division of Engineering and the Departments of Biology, Chemistry, Computer Science, Earth Sciences, Mathematics, Physics, and Science Education. Applicants must possess a doctorate and qualifications for appointment at the rank of professor. University teaching experience and a record of scholarly achievement in basic or applied research, as well as administrative experience, is required. Preference will be given to candidates with experience in administering engineering or scientific research programs.

Salary range: \$29,748 to \$35,976 (12 months)

Starting date: 1 July 1978

Applicants should submit a letter of intent and a brief résumé of professional and academic experience to: **Dr. John W. Bedell, Chair, Mathematics, Science, and Engineering Dean Search Committee; Science, Room 136, California State University-Fullerton, Fullerton, California 92634.** Closing date for the receipt of applications is 1 December 1977. *Affirmative Action, Equal Opportunity, Title IX Employer.*

Part-time FACULTY POSITION FOR EXPERIENCED NEUROBIOLOGIST with background in immunology, cell separation, automated cytology, and tissue culture of the central nervous system. To develop new approaches for the analysis of the differentiation of the central nervous system and to provide basic science focus for clinical studies in neurological diseases. **Milton Alter, M.D., Ph.D., Chairman, Department of Neurology, Temple University, 3400 North Broad St., Philadelphia, Pa. 19140.** *We are an Equal Opportunity Employer.*

IMMUNOGENETICIST—Available immediately, faculty position for Ph.D. in genetics or biology with experience in immunogenetics. Teaching expertise with responsibility for a course in advanced immunogenetics and an introductory course in human genetics. Postdoctoral experience and demonstrated ability to initiate and develop independent research. Tenure-track position with appointment at the level of assistant professor. Send curriculum vitae, list of publications with reprints, names of at least three references, and a summary of future research interests to **Dr. Patricia A. DeLeon, School of Life & Health Sciences, University of Delaware, Newark, Del. 19711.**

Equal Opportunity/Affirmative Action Employer

International Cancer Research Technology Transfer Programme (ICRETT)

1977

The International Union Against Cancer, with funds provided by the International Cancer Research Data Bank (ICRDB) of the National Cancer Institute of the United States of America, will award "International Cancer Research Technology Transfer" grants for research on cancer.

The purpose of this programme is to promote direct and rapid person-to-person transfer of information about new or improved techniques or methods between investigators located in different countries who are working in areas of basic, clinical or behavioural research in order to further the progress of cancer research.

The available funds are designed to permit investigators of any nationality* to visit a research centre or centres abroad for a period not exceeding 21 days. The funds cover travel and living expenses.

The selection of applicants will be on a continuous basis and the results of the selection will be communicated as rapidly as possible.

* In accordance with US Federal Regulations, this Programme is not open to employees of US Government Agencies.

International Cancer Research Workshop Programme (ICREW)

1977

The International Union Against Cancer, with funds provided by the International Cancer Research Data Bank (ICRDB) of the National Cancer Institute of the United States of America, will award financial support to enable the organization of International Cancer Research Workshops.

To be eligible for financial support a workshop must deal with a specific area of cancer research and must have one or more of the following objectives:

1. To discuss or demonstrate a newly developed or improved specialized technique or method;
2. To discuss methods for overcoming some particular obstacle or for resolving a specific disagreement impeding further progress;
3. To discuss and to plan a new approach that might be applied to solve some specific problem.
4. To plan the organization and execution of international collaborative studies related to some specific aspect of cancer research.

The Programme has been established to increase the frequency, speed and efficiency of direct information exchange between cancer investigators of different countries*. The workshop should preferably bring together no more than 12 investigators active in the same field of basic, clinical or behavioural research related to cancer. The duration of the workshop should not exceed 4 days.

Funds are intended to cover no less than 30% of the total cost of an approved workshop, up to a maximum of US \$10,000 for each workshop. Applicants must provide a statement that funds from other sources will be available to cover the remaining costs.

Closing dates for the receipt of applications are:

1 January—1 March—1 June—1 September

* In accordance with US Federal Regulations, this Programme is not open to employees of US Government Agencies; nevertheless, such employees may attend these workshops, using funds from other sources.

Additional information and application forms may be obtained from:

INTERNATIONAL UNION AGAINST CANCER

**Conseil-Général 3, 1205 Geneva
Switzerland**

ENTOMOLOGY AND WILDLIFE POSITIONS UNIVERSITY OF MINNESOTA

RESEARCH ASSOCIATE IN INTEGRATED INSECT PEST MANAGEMENT. Two-year appointment, with probable conversion to tenure-track assistant professor involving teaching and research. To develop an integrated pest management program for selected field crops; for example, peas, potatoes, or sunflowers. Ph.D. in entomology with experience in integrated control. Postdoctoral base salary \$13,272. Starting about 1 December 1977; deadline for applications 1 November 1977 or until filled.

RESEARCH ASSOCIATE IN SHADE TREE ENTOMOLOGY. Two-year temporary appointment available immediately. To continue studies on biology and control of bark beetles involved in Dutch Elm Disease, and other shade tree insect problems. Ph.D. in entomology, preferably with experience in urban forest entomology. Postdoctoral base salary \$13,272.

ASSISTANT EXTENSION ENTOMOLOGIST for Dutch Elm Disease and other shade tree entomology problems. Temporary appointment available immediately until at least June 1979. To work with local governments, state agencies, and urban civic groups in management programs. M.S. or Ph.D. in entomology, preferably with experience in urban forest entomology. Salary \$12,254 (M.S.) or \$13,272 (Ph.D.).

RESEARCH ASSOCIATE IN WILDLIFE HABITAT in agricultural areas. Two-year appointment, with probable conversion to tenure-track assistant professor involving teaching and research. To develop program of evaluation, development, and conservation of farm wildlife habitat in southwestern Minnesota. Ph.D. in wildlife biology with experience preferred in upland gamebirds or other farm game. Postdoctoral base salary \$13,272. Starting about 1 December 1977; deadline for applications 1 November 1977 or until filled.

Send résumé, transcripts, and three letters of recommendation to:

**Dr. Milton W. Weller, Professor and Head
Department of Entomology, Fisheries & Wildlife
219 Hodson Hall, 1980 Folwell Avenue
University of Minnesota
St. Paul, Minn. 55108**

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

The Department of Fisheries & Wildlife, Michigan State University, is seeking an **ENVIRONMENTAL CONSERVATIONIST** to fill a permanent teaching position at the assistant professor level. Responsibilities will include teaching two undergraduate courses in Environmental Conservation and one undergraduate course in Field Natural History, and participation in an advising program for a large undergraduate and graduate enrollment. Applicants must hold a Ph.D. with strong emphasis on biology, ecology, or environmental science. Letter of interest, with a complete résumé and three letters of reference, should be submitted to: **Dr. R. W. George, Department of Fisheries & Wildlife, Michigan State University, East Lansing, Mich. 48824,** by 1 November 1977. *Michigan State University is an Affirmative Action/Equal Opportunity Employer.*

PATHOLOGIST/ANATOMIST/CELL BIOLOGIST DEPARTMENT OF PATHOLOGY UNIVERSITY OF ARKANSAS COLLEGE OF MEDICINE

Ph.D. required. There is one position open to serve as director/coordinator of the tissue processing facilities of the department. This includes electron microscopy, the bone laboratory, routine histology, and special techniques (histochemistry, special stains, and so forth). The successful candidate should have an interest in developing his own ongoing research project, though collaboration with other members of the department is not excluded. Must have the ability to supervise the technology involved and collaborate with the other investigators in the department. Teaching of graduate-level courses will be required. Salary and rank commensurate with experience and training.

Send curriculum vitae and at least three references to:

**Sanford I. Roth, M.D.
Chairman, Department of Pathology
University of Arkansas for Medical Sciences Campus
4301 West Markham Street
Little Rock, Arkansas 72201**

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ANNOUNCEMENT

International Conference
on Clinical Chronopharmacy,
Chronopharmacology, Chronotherapeutics
—The Time of Day
for Drug Administration

Florida A&M University
School of Pharmacy
Tallahassee, Florida

February 10–12, 1978

Papers are invited dealing with the clinical aspects of chronopharmacology (The Metabolism, chronopharmacokinetics and circadian pharmacological action of drugs), clinical chronopharmacy (pharmacy clinical programs based on the time of the day), chronotoxicology (investigations of undesired or harmful substances and overdoses of drugs based on rhythm characteristics as a function of biologic timing). All papers should attempt to relate the chronotherapeutic application of drugs. Abstracts of papers (Approximately 200 words) accepted for presentation must be received by August 30, 1977, and complete manuscripts no later than October 15, 1977. Papers are encouraged from practitioners, educators, researchers and students of chronobiology on either of the above topics. Poster sessions will be included.

The proceedings of the symposium will be published. Limited funds for travel will be available for invited speakers.

REGISTRATION FEE

Advanced (prior to October 15, 1977)
\$35.00. Students \$10.00. After October
15, 1977 \$45.00; students \$15.00.

For additional information (including abstract forms), write to:

Charles A. Walker, Ph.D.
and Karam F. A. Soliman, Ph.D.
Coordinators of Clinical Pharmacy Symposium
School of Pharmacy
Florida Agricultural and Mechanical University
Tallahassee, FL 32307
Telephone: (904) 599-3593/3849

Solar Energy Program Manager

State of California

Alternatives Implementation Division

The California State Energy Resources Conservation and Development Commission seeks an energy professional to formulate, administer, and evaluate technical and non-technical Commission programs in solar energy (active hot water systems, passive space conditioning, wind energy, and solar thermal electricity); to manage a professional staff of about fifteen; and to utilize contract funds of about \$1,000,000 per year. You must be able to aggressively stimulate the early and widespread use of solar energy in California, to deal effectively with government agencies at all levels, and to prepare testimony and present it before legislative committees and at regulatory hearings, etc.

The minimum requirement is six years of progressively responsible experience in managing projects specifically related to comprehensive solar programs, including five years of experience above trainee level.

A background in applied research in the physical, biological or social sciences or in engineering relevant to solar energy is necessary. A graduate degree in an energy related area may be substituted for one year of required experience. A combination of technical expertise in solar and wind energy and managerial experience is highly desirable.

OTHER TECHNICAL POSITIONS AVAILABLE

The salary range is \$22,512–\$27,180 a year.

Please submit your resume to: **Chris Green, California State Energy Commission, 1111 Howe Avenue, Room 517, SEPM-LL, Sacramento, CA 95825.** Resumes must be received by September 16, 1977.

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MICROBIOLOGIST

Kelco, Division of Merck & Co., Inc., a leading specialty chemical manufacturer located in SAN DIEGO, has several fermentation research positions available requiring an MS in microbiology or equivalent with a strong background in microbial physiology, microbial genetics, or biochemistry. Industrial experience in these areas is a plus.

Kelco offers an excellent starting salary and complete benefits package. Please send detailed resume and salary requirements to:

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POSITIONS OPEN

STATE UNIVERSITY OF NEW YORK AT ALBANY

GEOPHYSICIST—SOLID-EARTH

The Department of Geological Sciences invites applications for a position as assistant or associate professor in the field of solid-earth geophysics effective in fall 1978. We seek candidates with broad research interests and a strong background in geology as well as geophysics. Applicants should send a full curriculum vitae, including names of four references, to Dr. Kevin Burke, Department of Geological Sciences, State University of New York at Albany, 1400 Washington Avenue, Albany, N.Y. 12222. SUNY is an Equal Opportunity/Affirmative Action Employer.

Immunobiologist

Schering, a world leader in allergy research, has an opportunity for an immunobiologist to assume a leadership role in coordinating the efforts of a multi-disciplinary team developing new therapy for respiratory allergy disorders. Candidates should have a Ph.D. or equivalent, at least 5 years experience in immunopharmacology research, and have proven leadership capability.

Résumés should be sent in strict confidence to: Manager, Research Employment, Schering-Plough Corporation, 60 Orange Street, Bloomfield, New Jersey 07003.

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NEUROSCIENTIST

Applications are invited for an opening at the Assistant Professor level at Brown University for an individual to develop and teach a laboratory course that will introduce undergraduate students to the major techniques used in the neurosciences. Candidates should have experience in both vertebrate and invertebrate neurophysiology and an active research program in an area related to the neurosciences. Candidates should submit a curriculum vitae, a publication list, a description of research and teaching interests, and the names of three references not later than 1 October 1977, to: Dr. Ford F. Ebner, Division of Biology and Medicine, Box G, Brown University, Providence, R.I. 02912. An Equal Opportunity/Affirmative Action Employer.

NEUROTOXICOLOGY POSTDOCTORAL SCHOLAR—Ph.D. biochemist, neuroscientist, or toxicologist. Research on localization, isolation, and characterization of a membrane-bound enzyme, "neurotoxic esterase." Available immediately; tenure at least 1 year; renewable up to 3 years. Starting salary \$12,000. Send curriculum vitae and names and address of three references to: Dr. R. J. Richardson, Toxicology Research Laboratory, Department of Environment and Industrial Health, School of Public Health, University of Michigan, Ann Arbor, Michigan 48109. A nondiscriminatory Affirmative Action Employer.

PLANT ECOLOGIST, Ph.D., probable opening beginning in January or September 1978. Field ecologist, especially with interest in northeastern U.S. ecosystems, but with broad botanical background is sought. Duties include undergraduate teaching (in introductory course, ecology, and ideally taxonomy) with opportunity for research. Rank: likely assistant professor, but more senior appointments will be considered depending upon credentials, including capacity for undergraduate teaching. Send curriculum vitae, statement of interests, three letters of reference, and transcripts by 31 October 1977 to:

Dr. Robert E. Savage, Chairman
Department of Biology
Swarthmore College
Swarthmore, Pa. 19081

Swarthmore College is an Equal Opportunity Employer

POSITIONS OPEN

NEUROANATOMIST-ELECTRON MICROSCOPIST: Responsible for teaching of neuroanatomy to medical and graduate students and for direction of Electron-Microscopy Laboratory in the Department of Neurological Sciences. Please send curriculum vitae to Maynard M. Cohen, M.D., Ph.D., Chairman, Department of Neurological Sciences, Rush Medical College, 1725 West Harrison Street, Chicago, Ill. 60612. Rush is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION in molecular endocrinology: position available immediately for a recent Ph.D. to study hormonal regulation of enzyme synthesis. Strong background in molecular biology desirable. Send curriculum vitae, statement of research interest, and two letters of reference to: Dr. A. G. Goodridge, Department of Pharmacology, Case Western Reserve University, Cleveland, Ohio 44106.

POSTDOCTORAL POSITION—IMMUNOLOGY. Position available in research dealing with membrane phenomena in immunology. Send curriculum vitae to: Dr. A. Froese, Department of Immunology, University of Manitoba, Winnipeg, Manitoba, Canada R3E 0W3.

POSTDOCTORAL POSITION. Position available immediately for molecular biologist to participate in project on messenger RNA biogenesis and mammalian DNA virus biochemistry (poxviruses). Salary is commensurate with experience and qualifications. Send curriculum vitae and three letters of reference to

Box 343, SCIENCE

POSTDOCTORAL POSITION

Research on the metabolic activation and covalent binding of chemicals in relation to their toxicity. Ph.D. in biochemistry; experience with drug metabolism, proteins, radioisotopes, and toxicology. Send curriculum vitae and the names of three references by 1 October 1977 to: Dr. Donald R. Buhler, Department of Agricultural Chemistry and Environmental Health Sciences Center, Oregon State University, Corvallis, Ore. 97331. An Affirmative Action Employer

THE OHIO STATE UNIVERSITY

Applications are invited for the following **POSTDOCTORAL ASSIGNMENTS:** (1) One **Organic Chemist** interested in the synthesis and radio-synthesis of radiolabeled halogenated hydrocarbons. (2) One **Organic Biochemist** interested in the characterization and identification of halogenated hydrocarbon-bonded deoxynucleosides. (3) One **Molecular Biologist** with strong interest in environmental mutagenesis and carcinogenesis and DNA damage repair processes. All appointments are for a minimum of 2 years. Salary range is negotiable. We are an Equal Opportunity Employer. Applications should be sent as soon as possible to: Chemical and Biomedical Environmental Research Group, The Ohio State University, Room N-212, 410 West 10 Avenue, Columbus, Ohio 43210.

A **POSTDOCTORAL POSITION** is available immediately in **PYRIMIDINE BIOCHEMISTRY**, particularly salvage pathway and catabolic enzymes, as part of an interdisciplinary program for design, synthesis, and evaluation of pyrimidine-type nucleoside analogs of potential chemotherapeutic interest. Experience in enzyme purification and general biochemical/pharmacological background are desired. Applicants should send curriculum vitae, including three references, to Dr. L. B. Townsend or Dr. L. W. Roti, Department of Biopharmaceutical Sciences, College of Pharmacy, University of Utah, Salt Lake City, Utah 84112. An Equal Opportunity Employer.

POSTDOCTORAL POSITIONS available now to work on the function and metabolism of low molecular weight RNA's in mammalian cells, derived from work described in *Cell* [3, 11 (1974)], *Biochim. Biophys. Acta*. [425, 202 (1976)], and *Biochem. Biophys. Res. Commun.* [72, 507 (1976)]. Recent Ph.D. in molecular biology or biochemistry preferred. Send curriculum vitae and names of three references to Dr. G. L. Elieclri, St. Louis University Medical School, 1402 South Grand, St. Louis, Mo. 63104.

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

Texas A&M University is seeking a postdoctoral research associate. Applicants should have a Ph.D. or M.D. with experience in molecular biology and DNA electron microscopy to map ribosome binding sites, promoters, and recombinant DNA. Opportunity for teaching medical students available. Send complete curriculum vitae to: Dr. Garret Ihler, Department of Medical Biochemistry, Texas A&M University, Attention: Route 3 College Station, Texas 77843. Equal Employment Opportunity Through Affirmative Action.

POSTDOCTORAL RESEARCH IN SOCIAL PSYCHOLOGY. Two positions may be available in large social psychology program with emphasis on basic and applied research on attitudes and motivation, altruism and helping, environmental and ecological, nonverbal communication and influence, satisfaction, sexual and gender identity, life stress, jury behavior, evaluation and organizational. Applications accepted from Ph.D.'s, in all areas of psychology and other related disciplines, who wish to receive advanced research training in social psychology. Application deadline is 15 November; starting date is 1 January; starting stipend is \$10,000. Send for brochure and application form to: Dr. Michael D. Storms, Graduate Program in Social Psychology, University of Kansas, Lawrence, Kan. 66045. An Equal Opportunity/Affirmative Action program.

Assistant or Associate **RESEARCH ORGANIC CHEMIST**, Ph.D., chemistry. The University of California, Davis, is seeking a Ph.D. chemist with proven experience in the characterization of coal tar effluents with emphasis on polynuclear aromatic hydrocarbons and their derivatives. This team-research position is available 1 October 1977 at the academic research level equivalent to Assistant Professor or higher commensurate with qualifications. Applications will be accepted through 30 September 1977, or until the position is filled. Candidates should send a curriculum vitae and three letters of recommendation to: Dr. Gerald L. Fisher, Radiobiology Laboratory, University of California, Davis, California 95616. The University of California is an Equal Opportunity/Affirmative Action Employer.

OREGON STATE UNIVERSITY

R & D MASTER TECHNICIAN: For the Geophysical Fluid Dynamics Laboratory of the Department of Atmospheric Sciences, Oregon State University. Will work in close association with scientists and graduate students. Needs to show considerable flexibility and ingenuity in handling several projects simultaneously and with a minimum of supervision. Duties will include responsibility for (i) design, development, and maintenance of a microcomputer data acquisition system including associated software; (ii) maintenance of a variety of complex laboratory test equipment and fluid measurement systems; (iii) design and construction of electrical-mechanical-optical systems as required in support of the laboratory experiments; and (iv) assistance in the performance of experiments, including the collection and reduction of turbulence and diffusion data.

Requirements include minimum of 10 years' overall experience in the design, construction, and maintenance of electrical, mechanical, and optical measurement systems and several years' recent experience in analog and digital "state of the art" instrumentation development, including the processing of microvolt signals for high-speed A/D conversion. Must be familiar with FORTRAN or BASIC machine language for microcomputer development to accommodate needs of data acquisition systems; must display a high mechanical aptitude and have experience in the design of electrical-mechanical systems such as variable-speed motor controllers, fluid flow meters, position and translation devices, and temperature transducers and controller. Desire physics background with basic understanding of photo-optical systems; must have background in the collection, handling, and reduction of laboratory data; and desirable to be certified as an Engineering Technician. Position requires some physical agility with occasional requirement of lifting objects of weight up to 75 pounds. Starting salary in the range \$16,000 to \$18,000. Starting date: 1 February 1978; closing date for receipt of applications: 15 September 1977. Please send application with complete résumé to: Prof. W. L. Gates, Chairman, Department of Atmospheric Sciences, Oregon State University, Corvallis, Ore. 97331.

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Symposia in San Francisco

Presented by University of California Extension, Berkeley; cosponsored by Continuing Education, University of California School of Medicine, San Francisco

Clinical Toxicology, Pharmacology, and Carcinogenic Hazards

December 9-11, 1977

Updated information on drug toxicology, clinical pharmacology, and environmental pollutants as well as carcinogenic hazards of drugs and chemicals. Highlighted will be new techniques for identifying drug overdose and monitoring therapeutically used drugs.

New Frontiers on the Relationships of Lipids, Lipoproteins, and the Arterial Wall in Cardiovascular Disease

January 27-29, 1978

Highlights testing for lipids and lipoproteins, classification of diseases associated with lipid abnormalities, and the importance of HDL in preventing artery disease.

CMA and AMA certification credit authorized for both symposia. Exhibitors welcome.

Detailed information: call (415) 642-1061; or write Dept. NW, Division of Letters and Sciences, University of California Extension, Berkeley, CA 94720.

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We are the diversified (chemicals, pharmaceuticals, agricultural chemicals, petrochemicals, plastics) American subsidiary of Imperial Chemical Industries Ltd. (London). Support is evidenced by \$28 million expansion doubling laboratory capacity by late 1978 to augment parent company's worldwide program that has introduced major drugs—antihypertensives, antiarrhythmics, hypolipodemics, psychotropics, antibacterials, antifungals, corticosteroids and anesthetics. Expanded laboratories and program will be ICI's largest research effort outside the United Kingdom. We invite confidential inquiries to the following two positions in our expanding CNS program:

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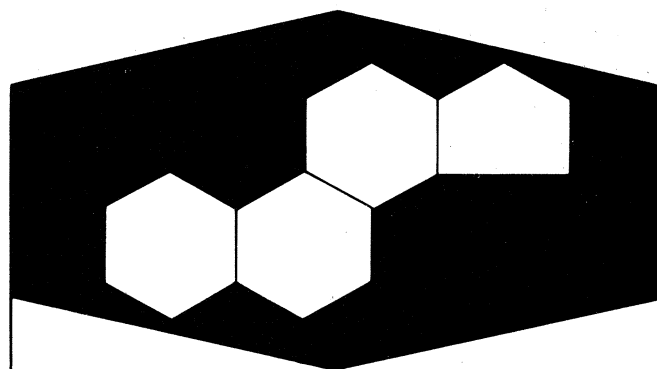
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POSTDOCTORAL RESEARCH POSITION. Interactions of near-UV radiation and cells. Ph.D. in biological sciences or biochemistry required. Training desired in two of the following: membrane studies, biochemistry, bacteriology, physics. One-year position. *Indication of ethnicity and sex for Affirmative Action statistical purposes is requested but not required.* Send curriculum vitae and letters by 1 October 1977 to **Dr. John Jagger, University of Texas at Dallas, Box 688, Richardson, Texas 75080. An Affirmative Action/Equal Opportunity Employer.**

RESEARCH ASSOCIATE

Immediate opening in program focused on application of **Event-Related Brain Potentials** to study of human information processing with particular emphasis on potential use of ERP's in man-machine systems. Applicants must have Ph.D. and experience in the field, preferably reflected in publications. Salary dependent on qualifications. One-year appointment with extension possible for at least one additional year. Send curriculum vitae and names of references to: **Dr. E. Donchin, Psychology Department, University of Illinois, Champaign, Illinois 61820. An Equal Opportunity Employer.**

RESEARCH ASSOCIATE OR POSTDOCTORAL POSITION available for basic studies on biochemical regulation of bone cells. Candidate should be well grounded in techniques of either or both collagen chemistry and metabolism or growth and differentiation of cells in culture. University-affiliated laboratory. Salary open. Direct curriculum vitae and research interests to **David V. Cohn, Director Calcium Research Laboratory, VA Hospital, Kansas City, Mo. 64128. An Equal Opportunity/Affirmative Action Employer.**

RESEARCH ASSOCIATE for laboratory of the Neurosurgical Department. Background both in molecular biology and relevant clinical disorders, and a strong interest in fat metabolism important. Postdoctoral and teaching experience preferred. Send letter of application and résumé to: **Dr. James W. Correll, Department of Neurological Surgery, College of Physicians & Surgeons, Columbia University, 710 West 168 Street, New York 10032. An Affirmative Action/Equal Opportunity Employer.**

The Shore Processes Laboratory, part of the Ocean Research Division, is looking for an **ASSISTANT RESEARCH OCEANOGRAPHER/ACADEMIC ADMINISTRATOR** to participate in research projects in physical oceanographic geologic investigations in the coastal zone. This position involves direct interaction with the research scientists who lead the group, the technical staff who support the principal investigators, and funding agencies.

Basic qualifications for the position include a Ph.D. degree in a physical science and an understanding of physical processes in the nearshore environment. The ability to express ideas and complex concepts both verbally and in technical writing is a necessity in this position. The position will involve both administrative and scientific duties.

Salary range to be in the assistant research and academic administrator series. Assistant Research Oceanographer, \$17,500 to \$22,900; Academic Administrator I, \$16,728 to \$23,136. Send inquiries to: **Chairman, Ocean Research Division A-020, 10, La Jolla, Calif. 92093. The University of California is an Equal Opportunity/Affirmative Action Employer.**

TUMOR IMMUNOLOGY RESEARCH ASSOCIATE

Ph.D. or M.Sc. Must have experience and publications relating to isolation and characterization of infiltrating cells from either animal or human tumors. Salary dependent on experience. Reply to

Box 344 SCIENCE

VISITING LECTURERS Department of Biology

The University of Virginia has openings for one-semester lectureships beginning 15 January 1978, in the areas of plant physiology and either general vertebrate biology or a more specialized zoology course such as mammology or ornithology. Salary levels negotiable. Applicants should send no later than 15 October a curriculum vitae with references and a proposed course outline to **Lecturer Search Chairman, Department of Biology, Gilmer Hall, University of Virginia, Charlottesville, Virginia 22901. An Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL POSITION available immediately. Study regulation of enzyme degradation, including isolation and characterization of proteolytic enzymes and binding of enzymes to subcellular membranes. Background in cell biology or biochemistry. Salary: \$12,000. Send résumé and three letters of reference to: **Dr. Michael Levy, Biology Department, Southern Illinois University, Edwardsville, Ill. 62026. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION—A position is available for at least 1 year, starting 1 January 1977, for a Ph.D. with a background in protein biochemistry and animal cell culture, to study the interaction of inhibitor-protein conjugates toward specific cell types. Salary: \$12,000. Send curriculum vitae and three letters of reference to: **Dr. James F. Preston, Department of Microbiology and Cell Science, University of Florida, 1053 McCarty Hall, Gainesville Fla. 32611.**

COURSE

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Four-week intensive courses for advanced undergraduate and beginning graduate students to be offered 2-27 January 1978. *Comparative Pathology of Marine Invertebrates* (Frederik B. Bang, Johns Hopkins University, Instructor-in-Charge); *Behavior* (Jelle Atema, Boston University, Coordinating Instructor); *Developmental Biology* (W. S. Vincent, University of Delaware, Instructor-in-Charge); *Ecology* (G. M. Woodwell, Marine Biological Laboratory, Instructor-in-Charge); *Neurobiology* (Alan Fein, Marine Biological Laboratory, and Fred Lang, Boston University, Instructors-in-Charge). For application form write to **Director of Admissions, Marine Biological Laboratory, Woods Hole, Mass. 02543.** Deadline for applications is 1 November 1977. *MBL admits students of any race, color, and national or ethnic origin.*

SYMPOSIUM

SYMPOSIUM

A symposium on the ecology and management of wapiti with particular reference to the Jackson Hole-Yellowstone ecosystem, hosted by the Department of Zoology and Physiology at the University of Wyoming, is planned for 3 to 5 April 1978. Papers are welcome on all aspects of the biology, ecology, and management of elk and are not restricted to research projects conducted specifically in the Jackson-Yellowstone region. Titles and abstracts should be sent by 31 December 1977 to **Dr. M. Boyce, Box 3166, University Station, Laramie, Wyoming 82071.**

CONFERENCE

CONFERENCE OF POLYBROMINATED BIPHENYLS (PBB). The Agricultural Experiment Station will present a **Conference on the Scientific Aspects of Polybrominated Biphenyls** to be held at the Kellogg Center for Continuing Education, Michigan State University, 24 and 25 October 1977. Invited papers and posters will be presented, as well as a round table discussion at the conclusion of the conference. The proceedings will be published in *Environmental Health Perspectives*. Space consideration requires limiting attendance on a first-to-register basis (\$25 registration fee). For further information and registration forms write: **Conference on PBB, The Kellogg Center for Continuing Education, Michigan State University, East Lansing, Michigan 48824.**

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP in Avian Tumor Virology available immediately. Stipend \$10,000 to \$12,000 depending on experience. Send curriculum vitae and two references to:

**Dr. C. Moscovici
Tumor Virology Laboratory
VA Hospital
Gainesville, Florida 32602
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FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

Immediate opening for Ph.D. or M.D. with strong background in immunology and electron microscopy to work on mechanisms of proteinuria in experimental renal diseases. Salary to \$11,000. Send curriculum vitae with three references to:

**Sterling K. Ainsworth, Ph.D.
Department of Pathology
Division of Immunopathology
Medical University of South Carolina
Charleston, South Carolina 29403**

POSTDOCTORAL FELLOWSHIP to do research related to the isolation and characterization of osteogenic precursor cells. Available 1 January 1978. Strong background in cell or tissue biology preferred. Excellent opportunity to collaborate with a broadly based interdepartmental research group in bone and mineral metabolism. Address inquiries, résumé, and three letters of recommendation to: **Prof. A. J. Kahn, Washington University School of Dental Medicine, 4559 Scott Ave., St. Louis, Missouri 63110. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL FELLOWSHIPS for research training in the neurosciences with special emphasis on behavior are available in a newly funded program at Columbia University. Applications are invited from recent M.D.'s and Ph.D.'s in neurochemistry, neuroanatomy, neurophysiology, physiological psychology, neuropharmacology, and related disciplines. Stipends set by N.I.H. are \$10,000 to \$14,000 depending on experience. Eligibility is limited by N.I.H. regulations to U.S. citizens or aliens with permanent status. Interested individuals are requested to submit a curriculum vitae, bibliography, graduate school transcript, and three letters of recommendation to: **Dr. Murray Glusman, Director, Neurobehavioral Sciences Research Training Program, Columbia University, Department of Psychiatry, 722 West 168 Street, New York, New York 10032.**

GRANT ASSISTANCE

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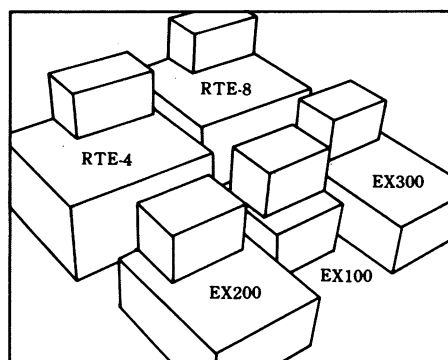
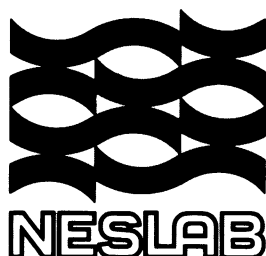
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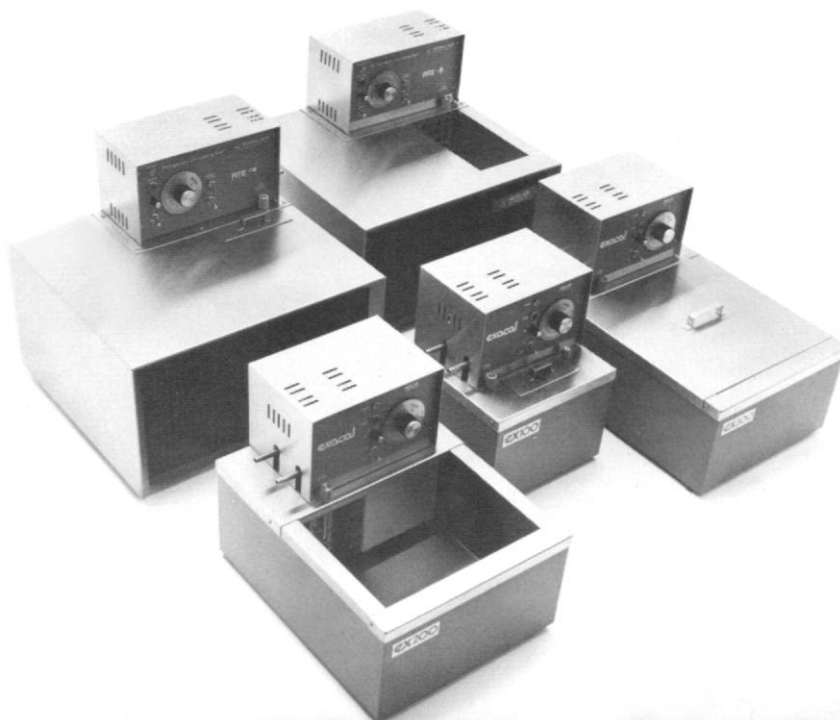
EXACAL BATH CIRCULATORS provide constant temperatures from -35 to +150°C. Stability: $\pm 0.02^\circ\text{C}$ or less. Work areas: up to 10" x 12" x 5 $\frac{3}{4}$ " deep. Accessories: refrigeration units; electronic temperature programmer.

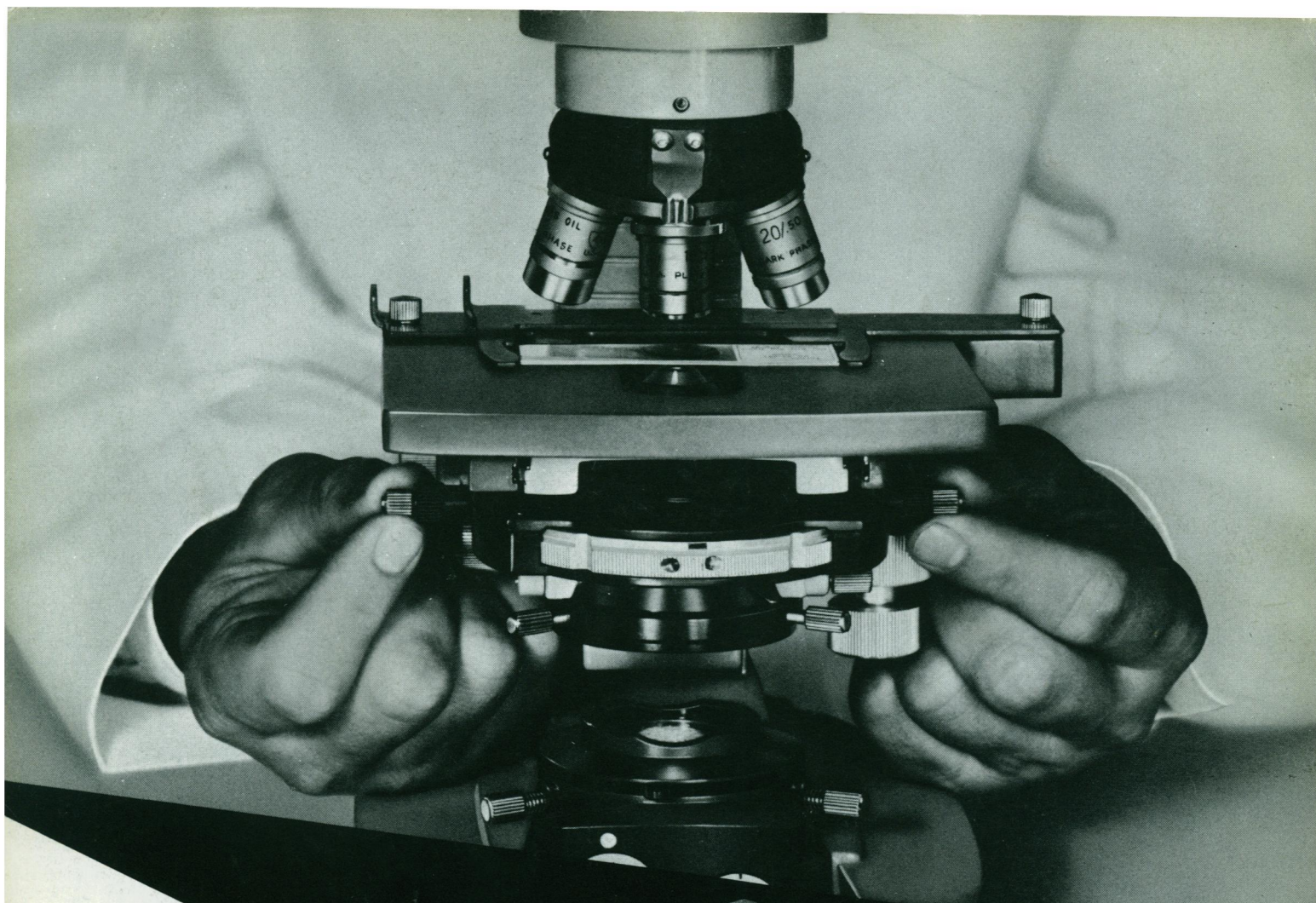
RTE-4 & 8 REFRIGERATED BATH CIRCULATORS have 20-30% greater cooling capacity than most baths. From -30 to +100°C. Stability: $\pm 0.02^\circ\text{C}$. Work areas: up to 8 $\frac{3}{4}$ " x 4 $\frac{3}{4}$ " x 9" deep. Accessory: electronic temperature programmer.

LT-9 LOW-TEMPERATURE BATH CIRCULATOR (not illustrated) can maintain a high 300 watt heat removal capacity at -70°C. From +10°C to -80°C. Stability: $\pm 0.05^\circ\text{C}$. Work area: 6 $\frac{3}{4}$ " dia. x 8" deep. Accessory: electronic temperature programmer.

We've reached some new lows in temperature control.

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You center annuli only once with the **AO PHASESTAR®** microscope.

Once you align each of the four annuli to its corresponding objective, you can rotate the microscope's turret to any objective without doing it again—a great timesaving convenience you'll really appreciate when working with living material.

The AO PHASESTAR microscope lets you view transparent unstained specimens with remarkable contrast and sharp definition of detail. And if you want to examine stained specimens under normal brightfield, all you need do is turn the substage turret.

The microscope accepts any combination of phase or non-phase objectives without disrupting parfocality. And, of course, it's adaptable to a variety of alternate parts or accessories. Illumination can be 20-watt tungsten halogen with the Series 10 or 100-watt tungsten halogen with the Series 20.

Ask your AO dealer representative for a demonstration of the AO PHASESTAR microscope. Or write for a brochure to American Optical, Scientific Instrument Division, Buffalo, NY 14215.

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