

and Pollen Types of Pteridophyta, Gymnospermae, and Angiospermae. Vera Markgraf and Hector L. D'Antoni. University of Arizona Press, Tucson, 1978. x, 208 pp., illus. Spiral bound, \$9.50.

Porous Pavement. Edmund Thelen and L. Fielding Howe. Franklin Institute Press, Philadelphia, 1978. xiv, 98 pp., illus. Paper, \$6.50.

Pregnancy Hypertension. A Systematic Evaluation of Clinical Diagnostic Criteria. Emanuel A. Friedman and Raymond K. Neff, Eds. PSG Publishing Company, Littleton, Mass., 1978. x, 258 pp., illus. \$29.50.

Principles of Enzymatic Analysis. Hans Ulrich Bergmeyer, Ed. Verlag Chemie, New York, 1978. xvi, 260 pp., illus. \$23.80.

Probabilistic Analysis and Related Topics. Vol. 1. A. T. Bharucha-Reid, Ed. Academic Press, New York, 1978. x, 240 pp. \$25.

Problems of World Modeling. Political and Social Implications. Papers from a meeting, Cambridge, Mass., Feb. 1976. Karl W. Deutsch, Bruno Fritsch, Helio Jaguaribe, and Andrei S. Markovits, Eds. Ballinger (Lippincott), Cambridge, Mass., 1977. xviii, 424 pp., illus. \$17.50.

Progress in Chemical Fibrinolysis and Thrombolysis. Vol. 3. Papers from a conference, Glasgow, Sept. 1976. John F. Davidson, Meyer M. Samama, R. Martin Rowan, and Pierre C. Desnoyers, Eds. Raven, New York, 1978. xviii, 614 pp., illus. \$45.

Progress in Liquid Physics. Clive A. Croxton, Ed. Wiley-Interscience, New York, 1978. x, 592 pp., illus. \$63.

Progress in Sexology. Papers from a congress, Montreal, Oct. 1976. Robert Gemme and Connie Christine Wheeler, Eds. Plenum, New York, 1978. xviii, 616 pp., illus. \$32.50. Perspectives in Sexuality.

Psychiatric Drugs. A Desk Reference. Gilbert Honigfeld and Alfreda Howard. Academic Press, New York, ed. 2, 1978. xvi, 252 pp. Paper, \$13.50.

Psychoanalysis, Creativity, and Literature. A French-American Inquiry. Papers from a symposium, New York, May 1976. Alan Roland, Ed. Columbia University Press, New York, 1978. x, 368 pp. \$20.

Recent Developments in Mass Spectrometry in Biochemistry and Medicine. Vol. 1. Papers from a symposium, Riva del Garda, Italy, June 1977. Alberto Frigerio, Ed. Plenum, New York, 1978. xii, 658 pp., illus. \$55.

Recombinant DNA. Readings from *Scientific American*. With introductions by David Freifelder. Freeman, San Francisco, 1978. x, 150 pp., illus. Cloth, \$12; paper, \$6.50.

Replication of Mammalian Parvoviruses. Papers from a conference, Cold Spring Harbor, N.Y., May 1977. David C. Ward and Peter Tattersall, Eds. Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y., 1978. xii, 548 pp., illus. \$45.

Risk Assessment of Environmental Hazard. Robert W. Kates. Published for the Scientific Committee on Problems of the Environment of the ICSU by Wiley, New York, 1978. xviii, 112 pp., illus. Paper, \$11. SCOPE 8.

Schizophrenia. Science and Practice. John C. Shershow, Ed. Harvard University Press, Cambridge, Mass., 1978. viii, 248 pp. \$15.

Science as a Human Endeavor. George F. Kneller, Columbia University Press, New York, 1978. xii, 334 pp. \$13.95.

The Scientific Evaluation of Freud's Theories and Therapy. A Book of Readings. Seymour Fisher and Roger P. Greenberg, Eds. Basic, New York, 1978. xvi, 446 pp. \$25.

Scientific Research on the Transcendental

Meditation Program. Collected Papers. Vol. 1. David W. Orme-Johnson and John T. Farrow, Eds. Maharishi European Research University, Weggis, Switzerland, ed. 2, 1978 (available from Age of Enlightenment Press, Livingston Manor, N.Y.). 728 pp., illus. Paper, \$21.

The Scientific Use of Factor Analysis in Behavioral and Life Sciences. Raymond B. Cattell. Plenum, New York, 1978. xxii, 618 pp., illus. \$32.50.

Sex and Behavior. Status and Prospectus. Papers from a symposium, Berkeley, Calif., Apr. 1976. Thomas E. McGill, Donald A. Dewsbury, and Benjamin D. Sachs, Eds. Plenum, New York, 1978. xxii, 436 pp., illus. \$29.50.

A Source Book in Geography. George Kish, Ed. Harvard University Press, Cambridge, Mass., 1978. xviii, 454 pp. \$30. Source Books in the History of the Sciences.

The Specialist. His Philosophy, His Disease, His Cure. Archie J. Bahm. World Books, Albuquerque, N.M., 1977. x, 120 pp. \$7.50.

Speech and Language in the Laboratory, School, and Clinic. Proceedings of a conference, Elkrige, Md., May 1976. James F. Kavanagh and Winifred Strange, Eds. MIT Press, Cambridge, Mass., 1978. xviii, 512 pp., illus. \$22.50.

Statistical Methods for Engineers and Scientists. A Students' Course Book. A. C. Bajpai, I. M. Calus, and J. A. Fairley. Wiley, New York, 1978. xii, 444 pp. Paper, \$14.50. A Series of Programmes on Mathematics for Scientists and Technologists.

Statistics for Experimenters. An Introduction to Design, Data Analysis, and Model Building. George E. P. Box, William G. Hunter, and J. Stuart Hunter. Wiley, New York, 1978. xviii, 654 pp., illus. \$23.95. Wiley Series in Probability and Mathematical Statistics.

Students and Their Institutions. A Changing Relationship. Papers from a meeting, Washington, D.C., Oct. 1977. J. W. Peltason and Marcy V. Massengale, Eds. American Council on Education, Washington, D.C., 1978. xii, 202 pp. \$13.50.

Symmetry and Spectroscopy. An Introduction to Vibrational and Electronic Spectroscopy. Daniel C. Harris and Michael D. Bertolucci. Oxford University Press, New York, 1978. xiv, 550 pp., illus. \$16.

Tabanini of Thailand above the Isthmus of Kra (Diptera: Tabanidae). John J. S. Burton. Entomological Reprint Specialists, Los Angeles, 1978. 166 pp., illus. \$15.

Techniques of Electrochemistry. Vol. 3. Ernest Yeager and Alvin J. Salkind, Eds. Wiley-Interscience, New York, 1978. xii, 496 pp., illus. \$28.

Terrestrial Heat and the Generation of Magmas. Papers from a meeting, Jan. 1977. Royal Society, London, 1978. pp. 383-646, illus. Paper, £17.65. *Philosophical Transactions of the Royal Society of London*, Series A, vol. 288.

Transport Phenomena in Plants. D. A. Baker. Chapman and Hall, London, and Halsted (Wiley), New York, 1978. 80 pp., illus. Paper, \$3.95. Outline Studies in Biology.

The Year Book of Nuclear Medicine 1978. James L. Quinn, III, and Stewart M. Spies, Eds. Year Book Medical Publishers, Chicago, 1978. 390 pp., illus. \$25.95.

Z80 Programming for Logic Design. Adam Osborne, Jerry Kane, Russell Rector, and Sussanna Jacobson. Osborne and Associates, Berkeley, Calif., 1978. Various pages. Paper, \$8.50.

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Biochemist/Immunochemist. Ph.D. Tissue culture, purification of proteins, enzymes, hormones. Production, titration, purification of antibody. Development of RIA, radioreceptor assays, mechanism of granulopoiesis. Seeks stable position or training in clinical chemistry. Box 43, SCIENCE. 2/9, 23

M.D. and Ph.D., Experimental Hematology and Oncology. Will relocate laboratory. Research supported by new and renewed grants. Strong background in administration, teaching, and clinical medicine. Seeks tenured academic position. Box 38, SCIENCE. X

Filmmaker. Desires domestic or overseas position as independent or part of crew. Super 8 mm. or 16 mm. Background and experience in biology, physiology, and marine ecology/biology. Forward to: c/o Saasta, 2240 Griffith Park Boulevard, Los Angeles, California 90039. X

Lawyer/Medical Researcher. Seeks position in environmental or health areas. Interests: genetics, cancer, immunology, and administrative law. Box 45, SCIENCE. 2/9, 16

Physiologist (Vertebrate). Ph.D. Postdoctoral and considerable teaching experience. Publications. Seeking teaching/research position. Location unimportant. Box 47, SCIENCE. X

Senior Research Toxicologist. Ph.D. Extensive research in mechanism of toxicity. Supervise animal toxicology. Conduct various carcinogenesis and mutagenesis studies. Seeks industry-government-academic position. Box 48, SCIENCE. X

Vertebrate Zoology, Ecology, Physiology. Tenured. Publications. Strong commitment to undergraduate teaching and research involvement. Anxious to relocate. Box 42, SCIENCE. X

POSITIONS WANTED

Toxicologist, Ph.D. Experienced in safety evaluation, obtaining regulatory agency approval of food additives, pesticides, industrial chemicals. Member SOT. Desires position involving product safety evaluation and regulatory agency interface. Box 44, SCIENCE. X

POSITIONS OPEN

A position at the level of **ADJUNCT ASSISTANT PROFESSOR** is available in the Department of Microbiology and Immunology for a biochemist/virologist with experience in the chemical analysis of protein-protein and protein-nucleic acid interactions. Research space will be provided but the successful applicant must generate his/her own salary and research funds from non-university sources and should be willing to affiliate with an established research unit devoted to research on retroviruses. Qualified applicants should send curriculum vitae, reprints of publications, and three letters of recommendation before 1 March 1979 to: **Dr. J. Michael Bishop, Department of Microbiology and Immunology, University of California, HSE 469, San Francisco, California 94143.** *An Affirmative Action/Equal Opportunity Employer.*

Yale University School of Medicine Section of Neuroanatomy

One **ASSISTANT PROFESSOR** position available. Candidate should have experience in research on morphological and functional development of the mammalian central nervous system. Must be capable in teaching medical neuroanatomy and graduate developmental neurobiology. Submit résumé and names of references before 1 March to: **Dr. Pasako Rakic, Chairman, Section of Neuroanatomy, Yale University School of Medicine, 333 Cedar Street, New Haven, Conn. 06510.** *Yale University is an Equal Opportunity/Affirmative Action Employer. Qualified women and minority group members are encouraged to apply.*

HARVARD SCHOOL OF PUBLIC HEALTH ASSISTANT PROFESSOR OF INDUSTRIAL HYGIENE ENGINEERING

Applications invited for the position of assistant or associate professor (dependent on qualifications) of industrial hygiene engineering. The position requires a doctorate in industrial hygiene or a closely related field, with a background in engineering and public health. Professional practice as an industrial hygienist plus teaching and research practice are required. Candidates certified by the American Board of Industrial Hygiene will have preference. Responsibility involves teaching in an interdisciplinary curriculum and participation in current research activities in the engineering aspects of occupational health. Excellent opportunities for initiating new research programs of special interest to the successful applicant. Appointment to begin at earliest possible date but no later than 3 September 1979.

Harvard University is an Equal Opportunity Employer with an Affirmative Action Program. Qualified women and minority group members are encouraged to apply.

Send curriculum vitae, bibliography, research interests, and three references to:

Professor Melvin W. First
Department of Environmental Health Sciences
Harvard School of Public Health
665 Huntington Avenue
Boston, Massachusetts 02115

ASSISTANT OR ASSOCIATE PROFESSOR OF PHYSIOLOGY

Applications are invited for a tenure-track position in the Department of Physiology and Biophysics of the University of Tennessee Center for the Health Sciences (UTCHS). Candidates should have a doctoral degree and postdoctoral training. Emphasis will be placed on individuals with a strong research background in the role of the central nervous system in the control of cardiovascular function or water and electrolyte homeostasis, but consideration to other candidates will be given. Demonstrated ability to initiate a strong, independent research program and to engage in the teaching activities of the department are expected. Send curriculum vitae, brief statement of research interests, and the names of three references to: **Dr. Leonard Share, Chairman, Department of Physiology and Biophysics, UTCHS, Memphis, Tenn. 38163.** *Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT PROFESSOR—ANATOMY

Applications are invited for a tenure-track faculty position in the Department of Biological Sciences at Oakland University starting fall 1979. Candidates must have a Ph.D., and preferably one or more years of postdoctoral experience. Responsibilities include teaching a lecture and laboratory course in human anatomy for nursing students one semester, and an advanced course in the area of the individual's interest in the second semester. The development and maintenance of an active research program is essential for advancement. Applicants should send curriculum vitae, statements of research and teaching interests, and three letters of recommendation by 15 March 1979 to: **Dr. Charles B. Lindemann, Search Committee Chairman, Department of Biological Sciences, Oakland University, Rochester, Michigan 48063.**

An Affirmative Action Employer

ASSISTANT PROFESSOR OF ATMOSPHERIC SCIENCE—The Laboratory for Planetary Atmospheres Research (LPAR), State University of New York (SUNY) at Stony Brook, seeks to add a Ph.D. atmospheric scientist for an anticipated new position at the assistant professor level now pending final budget authorization, beginning September 1979. LPAR members are involved primarily in comparative studies of planetary atmospheres, climate research, and air pollution modeling. A strong general background in atmospheric science, and exceptional promise as a teacher at both graduate and undergraduate levels are required. Curriculum vitae, publications, summary of research interests, and three letters of recommendation should be sent by 15 March 1979, to: **Professor R. D. Cess, LPAR, College of Engineering and Applied Science, SUNY at Stony Brook, Long Island, N.Y. 11794.** *Equal Opportunity/Affirmative Action Employer.*

The University of Texas at Dallas

The Biology Program has an opening at the **ASSISTANT PROFESSOR** level. Applicants should be actively engaged in research in **eukaryote molecular biology**, have at least 2 years of postdoctoral experience, and show evidence of independent, significant, and productive work.

The University has an upper level undergraduate degree program in biology and a graduate (M.S., Ph.D.) program in biology (with an emphasis on molecular biology), and an active research program supported by a number of federal research grants. The current faculty research lies mainly in the area of prokaryote molecular biology and the successful candidate would be expected to help extend this experience into the eukaryotic field of formal courses, supervision of student research, and developing an independent research program. Send résumé to:

Academic Search #206
The University of Texas at Dallas
P.O. Box 688
Richardson, Texas 75080

Deadline for applications: 31 March 1979. *Indication of sex and ethnicity for Affirmative Action statistical purposes is requested, but not required. The University of Texas at Dallas is an Equal Opportunity Employer.*

The University of California International Center for Medical Research (UC ICMR) anticipates the following positions will be available in Kuala Lumpur, Malaysia, on or about 1 June 1979 for a period of 1 to 2 years: (i) **ASSISTANT RESEARCH INSECT ECOLOGIST** with experience in mosquito ecology; (ii) **ASSOCIATE RESEARCH VIROLOGIST** with significant background in tropical arbovirus epidemiology. Positions are dependent on approval of funding. Inquiries to: **Program Director, UC ICMR, 1699 HSW, University of California, San Francisco, Calif. 94143.** *The University is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are encouraged to apply.*

BIOCHEMIST. Research associate IV position for an individual with 2 to 4 years of postdoctoral experience in studies of protein chemistry. Duties: to supervise and conduct (i) studies of changes in protein synthesis related to differentiation and development, and (ii) studies of structural proteins associated with an autosomal dominant defect in collagen fibrillogenesis. Salary: \$16,000 plus. Send résumé and names of three references to: **Dr. R. R. Minor, Connective Tissue Research Laboratories, New York State College of Veterinary Medicine, Cornell University, Ithaca, N.Y. 14853.** *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

UNIVERSITY OF SASKATCHEWAN DEPARTMENT OF PHYSIOLOGY

Applications are invited for an appointment as an **ASSISTANT PROFESSOR** in the Department of Physiology. Applicants must have an M.D., D.V.M., Ph.D., or equivalent qualifications with at least 2 years of postdoctoral experience. Research experience in renal or gastrointestinal physiology is desirable. The appointee will be required to teach undergraduate and graduate level classes and to conduct an independent research program.

Salary will be determined by experience with a current floor to the range at \$17,488 per annum. The appointment commences on 1 July 1979. Detailed applications with curriculum vitae and naming three referees should be sent to: **Dr. J. W. Phillis, Head, Department of Physiology, College of Medicine, University of Saskatchewan, Saskatoon, Canada S7N 0W0.**

UNIVERSITY OF CALIFORNIA COLLEGE OF MEDICINE, IRVINE DEPARTMENT OF RADIOLOGICAL SCIENCES

Applications are invited for a post at the **ASSISTANT PROFESSOR** level in the **Division of Radiation Oncology** at the University of California, College of Medicine, Irvine (chief, Dr. Martin Colman). This will be a full-time position with responsibilities for teaching at undergraduate and graduate levels and for clinical service and research in the University of California, Irvine, Medical Center. The applicant should be a Board-certified therapeutic radiologist, preferably with postcertification experience in therapeutic radiology, should be prepared to engage in ongoing research and will have the opportunity to develop new research protocols. The division participates in the Radiation Therapy Oncology Group and the Gynecology Oncology Group. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Applications, including a short biography and copies of any publications, should be sent to:

Eric N. C. Milne, M.B., Ch.B., F.R.C.R.
Professor and Chairman
Department of Radiological Sciences
University of California, Irvine
College of Medicine
Irvine, California 92717

Closing date: 6 March 1979.

ASSOCIATE DIRECTOR FOR CANCER RESEARCH UNIVERSITY OF LOUISVILLE CANCER CENTER, Ph.D., M.D./Ph.D.

This tenure-track appointment is to be made as associate professor or professor of oncology with a joint appointment in another department/school as appropriate.

The responsibilities of this position will include the continuation of a funded cancer-oriented basic research program, developing new cancer research programs, assisting in the development of other cancer investigators, and participating in short-range and long-range cancer research program planning.

The University of Louisville Cancer Center is a university-wide organization dedicated to quality cancer research, specialized clinical service, and cancer training and education.

Applicants must have a Ph.D., or an M.D./Ph.D. degree, a distinguished track record in cancer research as evidenced by publications, and proven ability to attract grant support. Salary is competitive and will be commensurate with the level of appointment.

Applications, including curriculum vitae and statement of future research interests, should be submitted by 28 February 1979, to: **Jerald Hoffman, Ph.D., Chairman of the Search Committee, University of Louisville Cancer Center, Health Sciences Center, 129 East Broadway, Louisville, Kentucky 40202.**

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

BIOCHEMISTRY, ASSISTANT or ASSOCIATE PROFESSOR. The Department of Biochemistry, University of Missouri-Columbia, invites applications. Applicants must have the Ph.D. degree or equivalent, and postdoctoral experience is expected. Candidates with promise (assistant) or evidence (associate) of exceptional research abilities are being sought. Curriculum vitae, summary of research plans, and three letters of recommendation should be sent to: **Dr. James L. Gaylor, Department of Biochemistry, 322-A Chemistry Building, University of Missouri-Columbia, Columbia, Mo. 65211.** *The University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ROYAL ALEXANDRA HOSPITAL FOR CHILDREN Camperdown New South Wales, Australia BIOCHEMIST

Applications are invited for the new position of biochemist (principal scientific officer) within the Department of Biochemistry in the Hospital's Institute of Pathology.

The Hospital is a 400-bed paediatric teaching hospital of the University of Sydney and offers a comprehensive range of clinical and laboratory services.

The new appointee will assist the present biochemist (Dr. L. Webster) in the routine work of the department and will have special responsibilities in the development of new tests and techniques in the area of clinical paediatric chemistry. He/she will closely liaise with the hospital's clinical staff and participate in the training programme of clinical and laboratory staff.

Applicants should hold a Ph.D. degree in biochemistry or its equivalent; previous experience in clinical chemistry would be an advantage.

Salary range: A\$21,049 to A\$26,145, per annum.

Further information is available from: **Dr. R. K. Oates, Director of Medical Services.**

Applications including the names of two referees should be addressed to: **J. S. Yu, General Superintendent, as soon as possible.**

NEW LOOK IN BIOCHEMISTRY. Research assistant applications are solicited from students with training through physical chemistry (calculus), and in biology. Research is on membranes, proteins, enzymes, vitamins, nucleic acids, carbohydrates, and natural products using viruses, bacteria, plants, cell cultures, and animals under a 15-member faculty. Courses and exams are tailored for the 1980's. **Head, Department of Biochemistry, Oklahoma State University, Stillwater, Okla. 74074.** *An Equal Opportunity/Affirmative Action Employer.*

The Department of Biological Sciences of the University of Southern California (USC) announces

Two tenure-track positions available 1 September 1979. Candidates with an interest in one or more of the following fields: polychaete biology and evolution, marine benthic ecology, marine population genetics, or terrestrial community ecology should submit an up-to-date, complete curriculum vitae and list of three references to:

**Dr. Jay M. Savage, Director
Evolutionary and Ecological Biology
University of Southern California
Los Angeles, California 90007**

USC is an Equal Opportunity/Affirmative Action Employer and women and minority candidates are especially welcome as applicants for these positions.

UNIVERSITY OF CHICAGO DIVISION OF THE BIOLOGICAL SCIENCES

The Department of Pharmacological and Physiological Sciences is considering candidates with research interests in the fields of cellular or membrane physiology as well as mammalian reproductive physiology or neuroendocrinology. *From the time of its original charter, the principle of the University of Chicago has been to appoint scholars without regard to race, color, religion, sex, or national origin.* Please have three professional persons write us concerning you and send your résumé, together with your most significant publications, to:

**Alfred Heller, Professor and Chairman
Department of Pharmacological and
Physiological Sciences
University of Chicago
947 East 58 Street
Chicago, Illinois 60637**

BIOLOGIST—Assistant professor. Ph.D. in microbiology; graduate work and/or practical experience in botany; prior college teaching experience desirable; demonstrated ability to work with instrumentation and conduct research; interest in and desire to participate in liberal arts programming. Courses to be taught include microbiology, immunology, biological methods, and advanced plant science, and introductory general biology. Send curriculum vitae and three letters of recommendation by 15 March to: **Morris N. Spencer, Vice President for Academic Affairs, Carroll College, Waukesha, Wisconsin 53186.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

UNIVERSITY OF PUERTO RICO DEPARTMENT OF BIOLOGY

The Department of Biology is recruiting faculty for tenure-track positions in: (i) **General Biology**—To coordinate and to teach in an existing audiotutorial program and to develop interacting computer assisted instruction and evaluation. (ii) **Human Biology**—To teach in an undergraduate 1-year course for majors and to coordinate laboratories and personnel. Candidates should have at least 2 years of experience teaching in similar programs and must be fluent in English and Spanish. Application deadline: 15 March 1979. Interested persons should send curriculum vitae and at least three references to:

**Recruitment Committee
Department of Biology
University of Puerto Rico
Rio Piedras, Puerto Rico 00931**

BIOLOGY INSTRUCTOR at highly competitive, rural, Roman Catholic college-preparatory boarding school for boys. Some graduate work and experience required. Administrative opportunities possible. Send résumé and references to: **Headmaster, Portsmouth Abbey School, Portsmouth, R.I. 02871.**

BIOLOGY FACULTY

The Department of Biology, University of South Florida, anticipates three faculty openings commencing September 1979.

- 1) **Marine Benthic Ecologist**, assistant professor,
- 2) **Immunologist**, teaching assignment related to microbiology program, assistant professor, and
- 3) **General Biology**, undergraduate advising, M.S. or Ph.D., lecturer.

The Department of Biology currently has 34 faculty members and offers eight degree programs including the Ph.D. in biology. Applicants should forward curriculum vitae and solicit three letters of recommendation. Recent Ph.D.'s should submit a graduate transcript. All materials should be sent to: **Chairman, Search Committee, Department of Biology, University of South Florida, Tampa, Florida 33620.** Closing date: 15 March 1979.

The University of South Florida is an Affirmative Action/Equal Opportunity Employer and applications from women and minorities are encouraged.

CELLULAR PHYSIOLOGIST/ ELECTROPHYSIOLOGIST

Studies utilizing cryogenic and intracellular reference phase techniques in the analysis of cellular ionic phenomena. Research associate and senior research associate positions. Send inquiries and curriculum vitae to: **Dr. Samuel B. Horowitz, Cellular Physiology Laboratory, Michigan Cancer Foundation, 110 East Warren Avenue, Detroit, Michigan 48102.**

DEVELOPMENT SCIENTIST

Lever Brothers Personal Products Division is seeking an M.S. or Ph.D. in pharmacology or biochemical related area for supervisory position. The position will involve applied research, development and evaluation work in the area of hair, skin, and dental products, as well as organization, design, and monitoring of clinical studies. Applicants should have a broad and diversified background with 2 to 6 years of experience. Analytical techniques, statistics, and knowledge of instrumentation (that is, scintillation counters, GC, and so forth) are desirable. Salary commensurate with background and experience. We offer a fine company-paid benefits program, plus excellent opportunity for advancement. Suburban New Jersey location, 20 minutes from New York City. Please send résumé, with salary history, in confidence, to: Betty Vida.

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POSITIONS OPEN

BIOMATHEMATICIAN

The University of Virginia is seeking a biomathematician with a strong background in biology/medicine. The individual selected should possess a Ph.D. in biomathematics or a related area; have at least 1 year of postdoctoral experience; and demonstrate potential for developing an independent research program. Primary responsibilities will include the development of biomathematics curriculum for graduate students in the basic medical sciences and the coordination of the daily activities of a biomathematical core facility of a Diabetes Research and Training Center. The position is available immediately. All interested candidates should send current curriculum vitae, bibliography, statement of interests, and references to:

Dr. Rodney L. Biltonen
Department of Pharmacology
University of Virginia School of Medicine
Charlottesville, Virginia 22908

BIOSTATISTICIAN

Design and analyze epidemiologic studies of environmentally related diseases. Case-control, follow-up, survival analysis. Communication skills required. 2 to 4 years of experience preferred.

Salary: \$18,000 to \$20,000.

Send résumé
and references to:

Department C.B.
American Health Foundation
320 East 43 Street
New York, N.Y. 10017

An Equal
Opportunity Employer, M/F

CELL BIOLOGIST UNIVERSITY OF MICHIGAN

Position available at the assistant professor level in the Department of Anatomy, University of Michigan Medical School. Applicants should have a strong research program in cell biology, preferably involving immunocytochemistry. Preference will be shown to those with 2 to 3 years of postdoctoral experience in a good laboratory. The department has excellent facilities for electron microscopy and other aspects of cell biology. The teaching responsibilities will be either in histology or gross anatomy, depending on the background of the individual. We anticipate filling the position by July to September 1979. Interested individuals should send curriculum vitae, a paragraph describing their current research interests, and three letters of reference to: **Box 49, SCIENCE. Code 200B0. A nondiscriminatory, Affirmative Action Employer.**

CHAIRMAN AND PROFESSOR, Department of Computer Science, Oregon State University. Nominations and applications are invited for the position of chairman to commence summer or fall 1979. Applicants must have superior academic credentials, including a Ph.D. in computer science, considerable research experience and interests, and sufficient administrative experience to indicate ability to direct a dynamically growing department into contemporarily relevant areas of research and industrial support. The department presently serves 250 undergraduate majors and 60 M.S. and Ph.D. candidates, including an actively growing satellite program in computer science and engineering serving the computer-related industries in the Portland area. Corvallis is a town of over 40,000 located in the mid-Willamette Valley, approximately 50 miles from either Pacific Ocean or Cascade Mountains. Cultural and recreational opportunities abound in the nearby environs. Salary is on a 12-month basis, and will be competitive for a candidate of superior capabilities in modern computer science. Interested applicants should contact: **Dr. Robert A. Short, Department Chairman Search Committee, Department of Computer Science, Oregon State University, Corvallis, Oregon 97331, prior to 15 March 1979. Oregon State University is an Affirmative Action/Equal Opportunity Employer and encourages applications from women, minority, and handicapped people.**

POSITIONS OPEN

DEPARTMENT CHAIRPERSON

Applications and nominations are invited for the position of Chairperson, Department of Physics, University of Alabama in Birmingham (UAB). UAB is a growing urban university of 13,000 students. The department offers B.S., M.S., and Ph.D. degrees in the areas of medical physics, biophysics, and conventional physics which includes solid state, low energy nuclear physics, optics, and general relativity. Cooperative research programs exist with the UAB Medical Center, as well as with Oak Ridge National Laboratory and Marshall Space Flight Center.

The individual is expected to have a well-established record of funded research in one of the areas of departmental interest and the ability to augment the development of a nationally competitive program in medical physics in parallel with a conventional physics program. A firm commitment to both undergraduate and graduate physics education is expected. Application deadline is 1 May 1979. Send full résumé, or nominations, to: **Edward L. Robinson, Chairman, Search Committee, Physics Department, University of Alabama in Birmingham, Birmingham, Alabama 35294. An Affirmative Action/Equal Opportunity Employer.**

UNIVERSITY OF QUEENSLAND CHAIR OF MEDICAL BIOCHEMISTRY

The University invites applications for the chair of medical biochemistry to replace Professor Chev Kidson who has accepted the position of director of the Queensland Institute of Medical Research. The applicant should have a medical degree acceptable for registration within Queensland, and an appropriate higher degree or higher clinical qualifications. He/she should present evidence of achievement in biochemical research, and should have substantial teaching experience. Applications will be considered from distinguished medical biochemists who do not have medical qualifications, but such applicants would be required to present evidence of significant clinical involvement in previous employment.

The successful applicant will play an important role in the development of innovative courses in basic and applied biochemistry for medical students.

The present salary for a professor is A\$33,061 per annum, plus a clinical loading, in the case of a medically qualified appointee, of up to A\$5,000 per annum. The University provides prescribed traveling and removal expenses, superannuation, study leave (under review), and housing assistance.

Additional information and application forms are available from: **Staff Officer, University of Queensland, St. Lucia, Brisbane, Queensland, 4067, Australia, with whom applications close on 30 April 1979.**

CHAIRMAN DEPARTMENT OF MICROBIOLOGY

The University of Alabama, located in Tuscaloosa, Alabama, is seeking a chairman for the Department of Microbiology to begin with the 1979-1980 academic year. The department offers degrees in microbiology and medical technology. Candidates for this position should have the following qualifications:

- 1) Ph.D. in microbiology or related field; preference may be given to candidates with specialization in medical or applied microbiology,
- 2) Proven or potential administrative ability,
- 3) Balanced interest in teaching and research with proven ability in both areas, and
- 4) Ability to provide overall direction to the programs in microbiology and medical technology and to strengthen the liaison with associated facilities and related programs.

Applicants should send curriculum vitae and names of three references to: **Dr. Gary L. Sloan, Chairman, Microbiology Search Committee, Department of Microbiology, University of Alabama, University, Alabama 35486, by 7 April 1979. The University of Alabama is an Equal Opportunity/Affirmative Action Employer.**

IMMUNOLOGIST, VIROLOGIST

Two positions are available immediately at the assistant professor level for a cellular immunologist and a virologist to work in the Bovine Leukemia Research Unit. Applicants should have a Ph.D. or D.V.M. degree with postgraduate training in the appropriate discipline. Qualified applicants should send a résumé, copies of representative publications, and the names of three people who may be contacted for references to: **Dr. Jorge F. Ferrer, Chief, Section of Viral Oncology, University of Pennsylvania School of Veterinary Medicine, New Bolton Center, R.D. 1, Kennett Square, Pa. 19348.**

POSITIONS OPEN

Two positions for **CLINICAL PSYCHIATRISTS** with strong research interests in biological psychiatry and clinical psychopharmacology to join psychiatric research team. Qualifications: Board-eligible psychiatrist with M.D. from U.S. or Canadian medical school; completed psychiatric residency in U.S. or Canadian university-based program. Eligible for Texas Medical License. Interest in residency teaching. Ability to work well with a wide range of clinicians and researchers. Advanced degree or post-residency training in psychopharmacology or related area and relevant research publications a strong plus factor. (i) One position in inpatient ward capacity. Experience in inpatient management of psychotic patients in various clinical and research settings and knowledge of research diagnostic criteria. (ii) One staff position in psychiatric outpatient clinic. Experience in clinical research in out-patient settings.

The Institute has existing capacities for a wide range of biochemical and electrophysiological determinations on psychiatric patients. Opportunity to develop independent clinical and basic research projects. Salary: \$38,000 to \$42,000 per year, dependent on level and experience. Send curriculum vitae, letter describing qualifications and interests, and three professional references to: **Robert C. Smith, M.D., Ph.D., Chairman, Search Committee, Texas Research Institute of Mental Sciences, 1300 Moursund, Houston, Texas 77030.**

COMMUNITY ECOLOGIST. The University of Kansas anticipates a 12-month tenure-track position as assistant professor, Division of Biological Sciences, and assistant curator, Museum of Natural History (joint appointment), available 1 July 1979. Community ecologist with theoretical emphasis; experience with vertebrate communities and their vegetational bases. Duties curatorial and teaching, including research and graduate student guidance. Ph.D. required prior to assumption of duties. Send curriculum vitae, reprints, and direct three letters of reference to: **Frank B. Cross, Museum of Natural History, University of Kansas, Lawrence, Kan. 66045, by 15 March 1979. Salary range: \$17,000 to \$19,000. Equal Opportunity/Affirmative Action Employer.**

DEAN COLLEGE OF SCIENCE THE UNIVERSITY OF TEXAS AT EL PASO

The University of Texas at El Paso is seeking a person to lead, administratively and academically, its College of Science which is composed of five departments: Biological Sciences, Chemistry, Geological Sciences, Mathematics, and Physics. The college has 81 tenure-track faculty positions and offers B.S. and M.S. degrees in all of its departments and a doctor of geological sciences degree. Applicants must possess a Ph.D., demonstrated administrative ability and research and teaching experience at both the undergraduate and graduate levels so as to qualify for the rank of professor in one of the college's departments. Closing date for application is 28 February 1979, with date of appointment to be 1 June 1979, or 16 July 1979.

Each applicant should send a résumé and the names of at least three persons qualified to evaluate his/her qualifications and accomplishments to:

Chairman
Search Committee for a Dean, College of Science
Office of the Vice President for Academic Affairs
The University of Texas at El Paso
El Paso, Texas 79968

The University of Texas at El Paso is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION for an individual with expertise in analytical biochemistry interested in research training and collaboration in the area of neuropsychopharmacology. Existing program includes brain perfusion-operant behavior analyses of acute and chronic drug administration, as well as studies in functional/behavioral teratology. The candidate will have an opportunity to extend his/her training via programs in Departments of Pharmacology, Psychiatry, and Psychology. Position is available immediately and appointment is up to 3 years on a Public Health Service National Research Service Award Training Program. Will hold for several months for the right candidate. Send curriculum vitae and names of three references to: **Dr. S. B. Sparber, University of Minnesota, 105 Millard Hall, 435 Delaware Street, SE, Minneapolis, Minn. 55455. Telephone: 612-373-4975.**

POSITIONS OPEN

UNIVERSITY OF WISCONSIN-MADISON DEAN OF COLLEGE OF AGRICULTURAL AND LIFE SCIENCES

Position available 1 July 1979. A dean is sought to lead a vigorous ongoing program in agricultural and life sciences in a land-grant university. Candidates should have a Ph.D. degree, an established reputation in research and should have had administrative experience. The programs administered include teaching, research, extension and international agriculture. Applicants should have an appreciation for and an understanding of public service responsibilities of a land-grant institution. The college has departments such as bacteriology, biochemistry, and genetics, as well as departments that are more traditional in colleges of agriculture. Interaction among departments is excellent. Please send letters of nomination, résumés, and names, addresses, and telephone numbers of three persons who will serve as references, by 16 April 1979, to: **R. H. Burris, Chairman of the Search Committee, Office of the Secretary of the Faculty, 134 Bascom Hall, 500 Lincoln Drive, University of Wisconsin-Madison, Madison, Wisconsin 53706.**

The University of Wisconsin-Madison is an Equal Opportunity/Affirmative Action Institution.

CANCER CENTER DIRECTOR FOR PROGRAM DEVELOPMENT

The Northern California Cancer Program (NCCP) is seeking a director for program development with emphasis on the basic sciences. NCCP is a consortium cancer center with programs in clinical research and cancer control. We are looking for a senior individual to develop and direct our multi-institutional, multidisciplinary collaborative research program. Candidates should be an M.D. or Ph.D., must have a strong background in cancer and in basic science, and be capable of providing leadership to the scientific community in the region.

Interested candidates should send curriculum vitae to:

**Stephen K. Carter, M.D., Director
Northern California Cancer Program
1801 Page Mill Road, Building B, Suite 200
Palo Alto, California 94304**

Applications must be received by 1 March 1979.

The Northern California Cancer Program is an Affirmative Action Employer and welcomes applications from women and members of minority groups.

ENTOMOLOGIST—CEREAL CROPS INTERNATIONAL INSTITUTE OF TROPICAL AGRICULTURE

Entomologist sought with Ph.D. and at least 3 years of research experience in food crops, preferably cereals, to work as member of multidisciplinary team responsible for improvement of rice and maize. Plant host resistance work preferred.

Salary and benefits at international level commensurate with qualifications. Two-year renewable contract; position available immediately.

Application with bio-data and three references should be sent to:

**Director General
International Institute of Tropical Agriculture
P.M.B. 5320
Ibadan
Nigeria**

ENTOMOLOGIST—FOREST PROTECTION. Assistant professor with responsibilities for research and teaching. Responsibilities include research in the area of management of insect pests of Oregon forests with special emphasis on development of interdisciplinary studies involving other forest management and forest protection disciplines. Ph.D. required, with training/experience in entomological aspects of forest protection and knowledge of modern forest protection principles. Deadline for receipt of applications is 31 March 1979. For complete details, contact: **Dr. John D. Lattin, Chairman, Search Committee, Department of Entomology, Oregon State University, Corvallis, Oregon 97331.** *Oregon State University is an Equal Opportunity/Affirmative Action Employer and complies with Section 504 of the Rehabilitation Act of 1973. Applications from females and minorities are encouraged.*

POSITIONS OPEN

MUSEUM DIRECTOR

The University of Colorado at Boulder invites applications and nominations for the director of the University Museum. The Museum conducts regional, national, and international research and educational programs in the fields of natural history including anthropology and interacts with related University academic departments. Candidates must excel in administration, leadership, and research (including curation); must have a Ph.D.; must be strongly committed to University and community service and education; and must be able to interact positively with University administration, related academic departments, professional organizations, and funding agencies. Applications consisting of curriculum vitae, five names of references with addresses, and summary of administrative and research experience, should be sent to:

**Dr. Robert A. Bye, Jr.
Chairman, Museum Director Search Committee
Department of Environmental, Population and
Organismic Biology
Box 334
University of Colorado
Boulder, Colorado 80309**

Deadline for applications: 15 March 1979.

Anticipated starting date: June 1979 (negotiable).

An Equal Opportunity/Affirmative Action Employer

ENVIRONMENTAL SCIENTISTS. Nonsalaried 3- and 9-week summer positions in **ecology and geology/geomorphology.** Advise undergraduate students working on independent projects; lead interpretive activities; conduct research or teach mini-course in area of specialization. Ph.D. and previous experience in Northeastern mountains preferred. Send curriculum vitae and names of three references to: **Director, The Adirondack Laboratory, P.O. Box 492, Saranac Lake, New York 12983.**

EXECUTIVE DIRECTOR OF NATIONAL ASSOCIATION OF BIOLOGY TEACHERS

A Selection Advisory Committee to the National Association of Biology Teachers invites nominations and applications for the position of executive director.

The National Association of Biology Teachers (NABT) is a professional organization of educators and scientists devoted to the improvement of education in the biological sciences. The association maintains its national headquarters in Reston, Virginia. It publishes *The American Biology Teacher* monthly, a newsletter bimonthly, and sponsors an annual convention in addition to many special projects and workshops.

It is desirable for the candidate to have experience in teaching in the biological sciences, a minimum of a baccalaureate in biology or biology education, administrative achievement, and demonstrated capacity to exercise educational leadership. The new director will be expected to assume duties not later than 1 July 1979.

Nominations and applications including current résumés and references may be sent until 1 March 1979 to:

**Phillip R. Fordyce, Chairman
NABT Selection Advisory Committee
Room 211-N Westcott Building
Florida State University
Tallahassee, Florida 32306**

An Equal Opportunity/Affirmative Action Employer

INSTRUCTOR

Department of Physiology and Biophysics: 1-year appointment (with possibility of renewal) to assist in teaching health science students and to participate in research in membrane biophysics or in nerve, muscle, transport, endocrine, or visual physiology. Send curriculum vitae, statement of research interest, and the names of three persons familiar with your work to:

**William Van der Kloot, Ph.D.
Department of Physiology and Biophysics
Health Sciences Center
SUNY AT STONY BROOK**

**Long Island, N.Y. 11794
Equal Opportunity/Affirmative
Action Employer**

POSITIONS OPEN

EXECUTIVE DIRECTOR STATE OF FLORIDA FLORIDA INSTITUTE OF PHOSPHATE RESEARCH

**Bartow, Florida (Temporary Address: 903 West
Tennessee Street, Tallahassee, Florida)**

The Board of Directors invites applications for the position of executive director of the Institute. Qualifications are Ph.D./Sc.D. or equivalent experience (phosphate preferred) in science related to mining, mineral processing, geology, or environment; at least 5 years of proven competence in research and administration; demonstrated skill in effective communication; ability to plan, allocate resources, and provide for evaluation of programs. Salary is negotiable.

The application will require curriculum vitae and names of three references. Please forward all applications to: **Personnel Officer, Florida Board of Regents, Room 226, Collins Building, Tallahassee, Florida 32304.** Application deadline is 15 March 1979. For further information, contact: **C. W. Hendry, Jr., Chairman, Board of Directors, Florida Institute of Phosphate Research, 903 West Tennessee Street, Tallahassee, Florida 32304.**

An Affirmative Action/Equal Opportunity Employer

FRESH WATER ECOLOGIST

Associate or assistant professorship available August 1979. Applicants must have the Ph.D. and be qualified to teach limnology and ecology. Research interest must be in biotic-abiotic interactions. Send curriculum vitae, including reprints, statement of teaching and research interests, graduate and undergraduate transcripts, and three letters of reference by 1 March 1979 to:

**William H. Darden, Chairman
Department of Biology
P.O. Box 1927
University of Alabama
University, Alabama 35486**

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

UNIVERSITY OF CALIFORNIA, IRVINE

The **DEPARTMENT OF DEVELOPMENTAL AND CELL BIOLOGY** anticipates recruiting for the positions described below to be effective as early as the academic year 1979-1980:

ASSISTANT PROFESSORS (TWO)

Comparative Regulatory Physiologist:

An individual is sought with research interests in one or more of the following areas: comparative endocrinology, muscle or respiratory physiology, transport physiology, or adaptational biochemistry. Research orientation should be quantitative and broadly comparative.

Developmental Biologist:

Applications are invited from persons with interests and experience in the study of pattern formation in development, especially in the nervous system or in plants or single cells.

Both of the above appointees are expected to establish a productive research program and to participate in instruction at both undergraduate and graduate levels. Candidates must have a Ph.D. degree and postdoctoral experience is desired.

LECTURER POSITIONS

Two 1-year positions are available in the fields of developmental, cellular, or physiological biology. The candidates should be qualified to coordinate the laboratories in large undergraduate courses and/or give lectures in a nonmajor course in physiology. Teaching experience and the Ph.D. degree are required.

POSTDOCTORAL POSITIONS

Several postdoctoral positions are available in the following areas with the indicated faculty: comparative invertebrate marine physiologist (G. C. Stephens); action of peptide receptors in Hydra (H. Lenhoff); ultrastructural biochemistry of immobilized enzymes acting in the solid state (H. Lenhoff); subcellular laser microsurgery (M. Berns); and cell immunologist working with monoclonal antibodies (M. Berns).

Applicants should submit curriculum vitae and three letters of recommendation to: **Chair, Search Committees, Department of Developmental and Cell Biology, University of California, Irvine, Irvine, California 92717.**

All qualified candidates welcome; minorities and women encouraged to apply.

POSITIONS OPEN

SAN FRANCISCO STATE UNIVERSITY SCHOOL OF SCIENCE

Seven faculty positions available at the assistant professor level in the following areas:

Biology (two positions): plant biosystematist, cell biologist-medical microbiologist; **Clinical Science**: clinical microbiologist; **Computer Science** (two positions): management information systems design, operating systems design, and performance evaluation; **Engineering**: computer engineer; **Physics**: experimental physicist. Applicants for these positions will be expected to participate in the undergraduate teaching program and to teach advanced courses in their specialty. Successful candidates will be expected to develop active research programs in one of the several areas of activity within the school. Interested candidates should submit curriculum vitae, bibliography, a statement of research interests, and three references to: **Dr. James C. Kelley, Dean, School of Science, San Francisco State University, 1600 Holloway Avenue, San Francisco, Calif. 94132. San Francisco State University is an Equal Opportunity/Affirmative Action Employer. Closing date for applications is 2 March 1979.**

HIGHER PLANT SYSTEMATIST

The University of Kansas anticipates a full-time, 9-month tenure-track position as assistant professor, Division of Biological Sciences, available 15 August 1979. We seek a higher plant systematist with an interest in theoretical issues. Duties include teaching, research, and graduate student guidance. Ph.D. required prior to assumption of duties. Salary range: \$15,000 to \$17,000. Send curriculum vitae, representative reprints, a statement of goals, and direct three letters of reference to: **E. O. Wiley, Museum of Natural History, University of Kansas, Lawrence, Kansas 66045. Equal Opportunity/Affirmative Action Employer.**

Ph.D. IN IMMUNOLOGY OR EXPERIMENTAL HEMATOLOGY to work in vitro laboratory on research involving human monocytes and hematopoietic stem cells. Extramural funding supports the position in Department of Medicine, Division of Medical Oncology. Send curriculum vitae and letter to: **Roy S. Weiner, M.D., Chief, Division of Medical Oncology, Box J-277, J. H. Miller Health Center, University of Florida, Gainesville, Fla. 32610.**

MICROBIOLOGY FACULTY MEMBERS

The University of Kentucky College of Medicine has two faculty openings in the newly reorganized Department of Medical Microbiology and Immunology which are to be filled at the assistant and assistant or associate professor levels. Candidates should have a Ph.D. or M.D. and postdoctoral and/or faculty research experience. Senior-position candidates must have on ongoing funded research program. Candidates are desired in the areas of microbial physiology, molecular genetics, molecular basis of microbial pathogenesis, and gene regulation. Emphasis will be placed upon genetic, biochemical, and molecular approaches to basic problems. Duties will include the development of a strong research program, graduate student training, and teaching of medical students. The positions will be available beginning approximately January 1980.

Send completed curriculum vitae, including the names of at least three references, to: **S. Kaplan, Department of Medical Microbiology and Immunology, University of Kentucky College of Medicine, A. B. Chandler Medical Center, MN-524 Medical Center, Lexington, Kentucky 40536.**

The University of Kentucky is an Equal Opportunity Employer, F/M.

POSTDOCTORAL POSITIONS PREDOCTORAL POSITIONS

The University of Kentucky College of Medicine has both postdoctoral and predoctoral positions available within the Department of Medical Microbiology and Immunology for individuals interested in the genetic control of membrane development and biosynthesis. Postdoctoral applicants should send completed curriculum vitae, including three letters of reference. Postdoctoral salary will be \$11,000 to \$12,000 per annum, depending upon experience. Predoctoral applicants should write for information. Both teaching and research assistantships are available. All inquiries should be sent to: **S. Kaplan, Department of Medical Microbiology and Immunology, University of Kentucky College of Medicine, A. B. Chandler Medical Center, MN-524 Medical Center, Lexington, Kentucky 40536.**

The University of Kentucky is an Equal Opportunity Employer, F/M.

POSITIONS OPEN

FACULTY POSITION— BIOMEDICAL MASS SPECTROMETRY

Assistant professorship to be filled by 1 July 1979. The primary qualification is the potential and desire to develop a strong research program in drug metabolism, toxicology, or related area. The successful applicant will be expected to participate in the teaching of analytical methods courses at both the graduate and undergraduate level. Candidates should provide curriculum vitae, three letters of recommendation, and a summary of research interests by 1 March 1979 to: **Dr. S. R. Byrn, Department of Medicinal Chemistry and Pharmacognosy, Purdue University, West Lafayette, Ind. 47907. Purdue University is an Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITIONS AVAILABLE ASSISTANT PROFESSORS OF CIVIL ENGINEERING— MATERIALS SCIENCE AND ENGINEERING

The recently generated programs of civil engineering-materials science and engineering invite applications for tenure-track faculty positions in the areas of mechanics of materials and structural design and analysis.

Candidates should have doctoral degrees in civil engineering or in a materials discipline and have a dissertation or other evidence of interest in materials properties or structural design and analysis.

It is expected that the areas of both civil engineering and materials science and engineering will grow rapidly and candidates are being sought who are eager to assist in building these activities. A genuine commitment to excellence in teaching as well as research is required.

The Johns Hopkins University is an Equal Opportunity/Affirmative Action Employer.

Candidates should send professional résumé, containing teaching and research accomplishments and names of three referees, to:

**Professor Robert B. Pond, Sr.
Department of Mechanics and Materials Science
The Johns Hopkins University
Baltimore, Maryland 21218**

FACULTY POSITIONS DEPARTMENT OF ZOOLOGY NORTH CAROLINA STATE UNIVERSITY

The Department of Zoology, North Carolina State University, invites applications for two faculty positions for fall 1979. Appointments will be made at the assistant professor level. The two positions are as follows: (i) **WILDLIFE BIOLOGIST-MAMMALOGIST**: the responsibilities under this position are to conduct research and teach in the area of wildlife biology with a focus on mammalian ecology. This is a 12-month, tenure-track position. (ii) **FUNCTIONAL MORPHOLOGIST**. The responsibilities of this position will be to conduct research and teaching at the cellular or organ level. Applicants should be able to teach introductory zoology and developmental anatomy. This is a 9-month, tenure-track position. Closing date to apply for both positions is 1 March 1979. Applicants should send a résumé, transcripts, three letters of recommendation, and copies of significant publications to: **Dr. John G. Vandenbergh, Department of Zoology, North Carolina State University, Raleigh, N.C. 27650.**

North Carolina State University is an Equal Opportunity Employer and operates under Affirmative Action Policy. The University strongly encourages all qualified applicants. Applicants are requested to indicate their race, ethnic background, and sex in their letter of application. Although providing this information is optional, the success of our Affirmative Action Program depends on our having it.

TWO POSITIONS. Ph.D. or M.S. with experience in atmospheric chemistry or nuclear chemistry for collection and analysis of atmospheric particulate samples from smelters, coal-fired plants, and remote areas including Antarctica and Hawaii. Send résumé and two reference letters to: **W. H. Zoller, Department of Chemistry, University of Maryland, College Park, Md. 20742. The University of Maryland is an Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION available immediately. Behavioral teratology of marihuana and alcohol. Applicants should have Ph.D. in teratology and laboratory experience working with rats and mice. Salary: approximately \$12,500 annually. Send curriculum vitae and three letters of recommendation to: **Richard M. Werth, Personnel Administrator, Research Institute on Alcoholism, 1021 Main Street, Buffalo, N.Y. 14203.**

POSITIONS OPEN

INSECT SYSTEMATIST CORNELL UNIVERSITY

Applications invited for tenure-track position with responsibility for teaching and research; teaching (50 percent) includes teaching at introductory and advanced level in coordinated effort with faculty colleagues; research (40 percent) on systematics of a major arthropod order; extension (10 percent) involves chiefly the identification of specimens in individual's area of specialization. Prefer to fill at assistant professor level; others considered. Send curriculum vitae and names of five references to: **Professor E. H. Smith, Department of Entomology, Cornell University, Ithaca, N.Y. 14853. Deadline for receipt of applications is 15 June 1979. Cornell University is an Equal Opportunity/Affirmative Action Employer.**

PRINCETON UNIVERSITY. The Department of Biology has an opening at the level of **LECTURER**, beginning in September 1979, to supervise a laboratory course in introductory biology. Opportunity is available to carry out independent research, depending on the qualifications of the candidate. Submit letter of application, curriculum vitae, and the names of three referees to: **Professor Edward C. Cox, Department of Biology, Princeton University, Princeton, N.J. 08540.**

Princeton University is an Equal Opportunity/Affirmative Action Employer.

PRINCETON UNIVERSITY. The Department of Biology has an opening at the level of **LECTURER**, beginning in September 1979, to teach a laboratory course in experimental vertebrate biology which is complementary to an existing lecture course. Areas of interest covered by the course include vertebrate reproductive biology with emphasis on neuroendocrine mechanisms. Ample opportunity will be available to carry out individual research projects, preferably in the area of vertebrate reproductive biology, including neuroendocrinology. Ph.D. degree or equivalent required. Submit letter of application, curriculum vitae, and the names of three referees to: **Dr. R. D. Lisk, Department of Biology, Princeton University, Princeton, N.J. 08540.**

Princeton University is an Equal Opportunity/Affirmative Action Employer.

PLANT BIOLOGISTS

One or two faculty positions at assistant professor level available for September 1979. Undergraduate and graduate-level teaching expected. Preference will be given to applicants with competency in one or more of the following areas: population biology, cytogenetics, physiological ecology, molecular biology, algology. Active participation is expected in the City University of New York (CUNY) Ph.D. program in biology, of which Lehman College-New York Botanical Garden specialization in plant science is a part. Active research and supervision of doctoral thesis research expected. Submit curriculum vitae and three letters of reference to:

**Dr. C. Robert Jones, Chairman
Department of Biological Sciences
Herbert H. Lehman College-CUNY
Bronx, N.Y. 10468**

Lehman College is an Equal Opportunity Employer with an Affirmative Action program.

POSTDOCTORAL POSITION available immediately to study the **genetics and molecular biology of yeast**. Research is on the regulation of the *S. cerevisiae* cell cycle by the oligopeptide pheromone alpha factor. A background in biochemistry and/or prokaryotic genetics is desirable. Fellowship support can be available for as long as 18 months. Send curriculum vitae, a brief description of current research interest, and names of three references to: **Dr. Russell K. Chan, Department of Microbiology, University of Cincinnati College of Medicine, Cincinnati, Ohio 45267.**

POSTDOCTORAL POSITIONS (two) available immediately for recent Ph.D. for the study of peptide hormone and neurotransmitter receptor interactions and cellular desensitization mechanisms in target cells. Systems under investigation include binding of growth hormone, insulin and glucagon with isolated hepatocytes, correlation of glucagon receptor occupancy with adenylate cyclase activity, and the uptake of fluorescent hormone and toxin conjugates by liver cells and membranes. The approach towards these problems may be biochemical, biophysical, or biological. Send curriculum vitae and names of three references to: **Dr. David B. Donner, Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, New York, N.Y. 10021. An Equal Opportunity/Affirmative Action Employer.**

**DIRECTOR
DALTON RESEARCH CENTER
UNIVERSITY OF MISSOURI-COLUMBIA**

This multidisciplinary facility for basic biological research, graduate, and postgraduate training is supported principally from state funds, as well as from federal agencies and foundations. A new building of 60,000 square feet in Research Park, adjacent to the main campus, has excellent research laboratories with modern animal, shop, computer, controlled environment, and other facilities.

A director is sought with commitment to outstanding research who will develop a dynamic research unit in a life science area. The director will be expected to bridge and complement Dalton Center activities with selected existing talents and resources on the University of Missouri-Columbia (UMC) campus; examples are cardiovascular regulation, cellular and developmental biology, molecular genetics, immunobiology, neurosciences, and bioengineering.

This is intended as a "Center of Excellence" and the University is committed to providing a competitive director's salary and other resources to ensure success. The director should have research management experience, including budgeting, recruiting, and generating research funds.

The director will be tenured in an academic department of UMC. The University is a land-grant school with a student enrollment of 23,000. On a single campus, it has a unique combination of life science-oriented divisions (medicine and other health-related sciences, agriculture, veterinary medicine, engineering, and biological sciences). Particular research strengths may be found in departments of Biochemistry, Physiology, Biological Sciences, Bioengineering, Medicine, Microbiology, Pharmacology, Radiology, and Surgery. University resources include Reactor Research Center, Cancer Research Center, Health Services Research Center, Veterans Administration Hospital, University of Missouri Medical Center, and Eye Research Institute.

Women and members of minority groups are urged to apply. Résumés and other appropriate information should be sent to: Search Committee for Director, Dalton Research Center, Research Park, University of Missouri, Columbia, Missouri 65211.

Closing date: 10 March 1979. *The University of Missouri is an Equal Opportunity Employer.*

**DIRECTOR AND ASSISTANT
DIRECTOR**

**PALAU MARINE RESEARCH
INSTITUTE**

The Palau Legislature and the Board of Directors of the newly invested international institute of marine research in Palau, Western Caroline Islands, invite applications and letters of inquiry from qualified marine scientists for the positions of director and assistant director of the Institute. Governed by a board of marine scientists and administrators from the Pacific basin nations, the Institute expands on the facilities of the existing Micronesian Mariculture Demonstration Center on the island of Malakal. The expanded program will continue to promote mariculture but will emphasize also a visiting and resident scientist program to continue the academic tradition of marine research begun in Palau by Japanese scientists prior to World War II. Water-monitoring laboratories, resource survey, limited educational service, and fisheries research programs will be implemented during the next several years by successful candidates. Funds for an initial 2-year contract are secured, but tenure beyond 2 years is to be anticipated. The successful candidate for director must have extensive administrative and research experience and have demonstrated ability to develop programs and solicit funds. Assistant director must have experience in culture of marine animals. Both individuals must be fluent in English. Salary and level of appointment commensurate with experience; housing and benefits provided.

Contact: Dr. W. M. Hamner, Adviser Marine Affairs, P.O. Box 359, Koror, Palau, Western Caroline Islands 96940.

FACULTY POSITIONS

1979-1980

**KING FAISAL UNIVERSITY
COLLEGE OF MEDICINE
DAMMAM, SAUDI ARABIA**

The expanding College of Medicine, now in its fourth year, is accepting applications from qualified men and women for the 1979-1980 academic year in:

**CHEMISTRY
BIOLOGY
PHYSICS
BIOCHEMISTRY
ANATOMY
PHYSIOLOGY
PHARMACOLOGY**

**PATHOLOGY
COMMUNITY
MEDICINE
EPIDEMIOLOGY
MICROBIOLOGY
PARASITOLOGY**

Doctorate or equivalent degree required. Language of instruction is English. Interviews to be held in London and Houston in late February 1979.

SALARY RANGES (annual, paid monthly in Saudi riyals):

Professor: \$26,118 to \$33,378

Associate Professor: \$23,359 to \$29,712

Assistant Professor: \$19,039 to \$24,757

Lecturer: \$11,906 to \$16,444

(30 percent allowance for M.D. degree)

BENEFITS:

Free furnished housing, educational allowances, airfare to and from Saudi Arabia for family of four, 60-day paid vacation, liberal overweight allowance. No Saudi income tax.

Send two copies of résumé and three references to:

Dr. Tawfik Tamimi
Dean, Faculty of Medicine
King Faisal University
c/o Saudi Arabian Educational Mission
2221 West Loop, South
Houston, Texas 77027
OR
c/o P.O. Box 2
Sunbury on Thames
Middlesex TW16 6EH England

PHARMACOLOGIST (GI)

ICI Americas Inc., a diversified American subsidiary of a world leader in pharmaceuticals has an opening for a GASTROINTESTINAL PHARMACOLOGIST in the Biomedical Research Department. Expanded Bioscience complex located in suburban Wilmington, Delaware, will be ICI's largest effort outside the United Kingdom, addressing U.S. and Canadian markets.

Interested candidates should have the following credentials:

- **Ph.D. in Pharmacology or related biological field plus 0-2 years of related academic or industrial experience.**
- **Good chemistry background.**

Compensation includes salary commensurate with qualifications and experience plus an excellent benefits package. SEND RESUME AND ALL COLLEGE TRANSCRIPTS IN CONFIDENCE TO:

Peter M. Palko



ICI Americas Inc.

Wilmington, Delaware 19897

An Equal Opportunity Employer M/F

Max-Planck-Institut für Biochemie
at Martinsried near Munich

**The Max-Planck-Gesellschaft offers
TWO YOUNG SCIENTISTS**

the opportunity to set up their own research group each in the above institute and to conduct their research programme independently.

Fields of activity of the institute are biochemistry, physical biochemistry, molecular biology, structure research, genetics, cellular biology, and virus research.

Applicants should already have accomplished internationally recognized research work and their special research area should fit in the frame of the institute's activities.

Work should start at the earliest possible moment. Appointments will be limited to up to 5 years. Salaries will be calculated according to group AH 3 of the Niedersächsische Besoldungsgesetz.

Both groups will be able to grant post-doc/doctoral scholarships to German and foreign scientists and will also be provided with their own laboratory, including technical staff, appropriate equipment and adequate running costs.

Applications should contain a tabular curriculum vitae, a list of publications, and a short description of scientific work both achieved and intended, and should be submitted to the Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.—Generalverwaltung—III a 1—Postfach 647, 8000 München 1 before 31 March 1979.

POSITIONS OPEN

MARINE SCIENTISTS

We are seeking individuals whose primary responsibilities will be the development of new programs and contribution to existing programs in the marine sciences. Programs now include interdisciplinary studies for government and industry in the areas of oil spill research, offshore baseline studies, monitoring programs and other applied research topics. These programs are backed by state-of-the-art laboratories.

Positions require an advanced degree in marine science preferably with experience in marine chemical or physical oceanographic problems. A sound statistical background is desired. Salary is commensurate with experience. Please send resume, recent publications and salary history to Dr. Paul Boehm.

ERCO

ENERGY RESOURCES CO. INC.
185 Alewife Brook Parkway
Cambridge, MA 02138
617 661-3111

An equal opportunity employer M/F

The Neurology Service at the Massachusetts General Hospital and Harvard Medical School seek applications for **TWO POSITIONS IN BASIC NEUROBIOLOGY**. Applicants with expertise in peptide biochemistry, biosynthesis of peptide hormones, and electrophysiologic techniques will be considered. Submit curriculum vitae to: **Joseph B. Martin, M.D., Ph.D., Chief, Neurology Service, Massachusetts General Hospital, Boston, Mass. 02114.** Closing date for receipt of applications is 28 February 1979.

The Massachusetts General Hospital and Harvard Medical School are Equal Opportunity/Affirmative Action Employers.

POSTDOCTORAL FELLOW—MICROBIOLOGY. Immediate opening for individual interested in viral-cell chromosome interactions. Research involves the mechanisms of integration and excision of a temperate bacillus phage analyzed bi-structural analysis of phage and prophage DNA. Please send curriculum vitae and references to: **Dr. A. Garro, Department of Microbiology, THE MOUNT SINAI SCHOOL OF MEDICINE, One Gustave L. Levy Place, New York, N.Y. 10029.** An Equal Opportunity Employer.

POSTDOCTORAL POSITION—CHEMICAL CARCINOGENESIS

A position at the postdoctoral level is available immediately for an individual to conduct research in a project concerned with carcinogen-pancreatic DNA interactions using azaserine and other experimental pancreatic carcinogens. This ongoing project represents one aspect of the work being conducted by an interdisciplinary group studying mechanisms of chemical carcinogenesis and organotropism. Applicants should have a strong biochemical and/or molecular background in nucleic acids. Send curriculum vitae and the names of three references to:

**Dr. James D. Yager, Jr.
Department of Pathology
Dartmouth Medical School
Hanover, N.H. 03755**

Dartmouth is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION, available 1 July 1979 and renewable for biochemically trained person interested in cell differentiation. Current work deals with nuclear transplantation in amphibian oocytes and eggs. Send résumé and names of three references to: **Marie A. DiBerardino, Ph.D., Department of Anatomy, The Medical College of Pennsylvania, 3300 Henry Avenue, Philadelphia, Pa. 19129.** Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION. Chemical and biochemical studies of nitrogenase including energetics, kinetics, and spectroscopy. Seeking biochemist or chemist with some biochemical background. Position available immediately. Send résumé and two references to: **Dr. Gerald D. Watt, C. F. Kettering Research Laboratory, 150 East South College Street, Yellow Springs, Ohio 45387.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS. The Department of Microbiology has a 5-year training grant and research grants to support postdoctoral positions in research in: herpesvirus proteins and mechanisms of immunity, mechanisms of immunity to togaviruses, coronavirus structure and replication, peptide transport, plasmid function in pseudomonas, and other research areas in collaboration with units in the Knoxville-Oak Ridge area. For further details contact: **Dr. Arthur Brown, Department of Microbiology, University of Tennessee, Knoxville, Tenn. 37916.**

POSTDOCTORAL POSITION to become available 1 May 1979 for studies on control enzymes of gluconeogenesis. Adequate background in either enzymology or protein chemistry is required. Send curriculum vitae and names of two references to: **Dr. Frank Marcus, Department of Biochemistry, University of Health Sciences/The Chicago Medical School, 2020 West Ogden Avenue, Chicago, Ill. 60612.** An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION to study detailed mechanism of microtubule assembly, as part of an ongoing investigation. Small-angle light scattering, ultracentrifugation, electron microscopy, quantitative gel filtration, and other techniques. Background in physical biochemistry desirable. Available 1 September for 1 or 2 years. Send curriculum vitae and letters of recommendation to: **Dr. Robley C. Williams, Jr., Department of Molecular Biology, Vanderbilt University, Nashville, Tenn. 37235.** Vanderbilt University is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION for studies of biochemical pharmacology of nucleotide analogs in human bone marrow cells. Experience in growth of hematopoietic progenitor cells in vitro and/or nucleotide biochemistry desirable. Minimum stipend: \$12,000. Send curriculum vitae and names of three references to: **Dr. W. K. Plunkett, Department of Developmental Therapeutics, University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, Houston, Texas 77030.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available for research on Vitamin B₆ catalysis. Experience in bioorganic chemical research desirable but not essential. Submit résumé, publication list, and arrange for two letters of recommendation to be sent to: **A. E. Martell, Head, Department of Chemistry, Texas A & M University, College Station, Texas 77843.** Texas A & M is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available April 1979. Ph.D. in biochemistry, microbiology, or molecular biology. Preferably with a background in enzymology and/or nucleic acid biochemistry. To study the molecular mechanisms in DNA repair in an in vitro system (T4 phage). Salary up to \$12,050. Send curriculum vitae and three references to: **Dr. K. Ebisu-zaki, Cancer Research Laboratory, University of Western Ontario, London, Ontario, Canada N6A 5B7.**

POSTDOCTORAL RESEARCH IMMUNOLOGIST—Available July 1979 for studies on immunology of the eye. Major research emphasis is on fundamental immunologic processes of the eye including the roles of and interactions among various immunoreactive cell types, humoral factors, immune recognition, and immunologic memory in ocular tissues. Other studies include herpesvirus immunology and immunopathogenesis of autoimmune diseases of the eye. NIH training grant stipend limited to U.S. citizens. Send résumé and three references to: **Dr. Roberta Meyers-Elliott, Jules Stein Eye Institute, UCLA School of Medicine, Los Angeles, California 90024.** An Equal Opportunity/Affirmative Action Employer.

POSTGRADUATE RESEARCH BIOCHEMIST/NUTRITIONIST sought by the University of California, Davis, to work on the separation, purification, characterization, synthesis, and cell growth promoting activities of a variety of folic acid cofactors. A Ph.D. in biochemistry, chemistry, or nutritional-biochemistry is essential and experience in the fields of folic acid and cell culture is preferred. Stipend: \$12,000 to \$14,000 per annum, dependent on experience and qualifications. The position is available immediately and is funded through October 1980. Send curriculum vitae and references to: **Dr. A. J. Clifford, Department of Nutrition, University of California, Davis, California 95616.** The University of California is an Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL AND RESEARCH ASSOCIATE POSITIONS to begin 1 April 1979 to 1 September 1979 are available at the Playfair Neuroscience Unit of the University of Toronto. Work will be in several areas including (i) cellular and genetic mechanisms of pathological motor control, (ii) effects of pharmacological agents including abused drugs on movement control, and (iii) short- and long-term effects of abused drugs on neuronal functions and structure. Successful applicants will work within a multidisciplinary research group which includes neuropharmacologists, neurophysiologists, neuromorphologists, and clinical neurologists. Positions will have a term of 1 to 2 years and have a salary range of \$13,000 to \$20,000. Applicants should have a M.D. and/or Ph.D. degree. Please send curriculum vitae and the names of three references before the closing date of 3 March 1979 to:

**Chairman, Neuroscience Search Committee
University of Toronto
The Toronto Western Hospital
399 Bathurst Street
Room 903, 9 North Pavilion
Toronto, Ontario, Canada M5T 2S8**

PREDOCTORAL POSITIONS leading to research training in immunology (immunoglobulins; cellular immunity, lymphocyte biology, immunogenetics, complement); oncology (carcinogenesis, tumor immunology); bacteriology (plasmids, genetics, bacterial membranes); molecular biology (gene DNA sequencing, mRNA processing); cell biology (liposomes, membranes, cell fusion); virology (viral persistence, oncology). Available: July to September 1979. Prerequisites: U.S. citizenship, B-plus average, and high GRE scores. Inquiries to: **Dr. Sheldon Dray, Head, Department of Microbiology and Immunology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.**

PRINCIPAL INVESTIGATOR—VISUAL SCIENCES

Available to Ph.D. or M.D. with 5 years of postdoctoral experience. Beginning 1 September 1979, a full-time position to direct a research program which applies psychophysical testing to a low-vision population at the New York Association for the Blind (Lighthouse). Opportunity to work with scientists and clinicians of varied disciplines. In addition to knowledge of psychophysical testing, there should be familiarity with research design methodology and statistics. Salary commensurate with experience. Please send curriculum vitae and the names of three references to:

**Arthur E. Gillman, M.D.
Director, Research Department
New York Association for the Blind
111 East 59 Street
New York, New York 10022**

UNIVERSITY OF OKLAHOMA COLLEGE OF MEDICINE

Otorhinolaryngology (#143) **PROFESSOR AND HEAD**—of Department of Otorhinolaryngology. Applicants should send curriculum vitae identifying vacancy number for which they are applying to: **Dr. Thomas N. Lynn, Dean, College of Medicine, University of Oklahoma Health Sciences Center, P.O. Box 26901, Oklahoma City, Oklahoma 73190.** We are an Equal Opportunity Employer.

NATIONAL SCIENCE FOUNDATION (NSF) DIVISION OF ASTRONOMICAL SCIENCES

The Division of Astronomical Sciences invites applications for **two positions** as **PROGRAM DIRECTOR** in the Astronomy Research Section to review and process proposals for grants in astronomy. Applicants should have a record of productive research. Send application/curriculum vitae and names of at least three references to: **National Science Foundation, Division of Personnel and Management, Section B, Washington, D.C. 20550** by 15 March 1979. NSF is an Equal Opportunity/Affirmative Action Employer.

CORNELL UNIVERSITY

Position available 1 March 1979 for **RESEARCH ASSOCIATE** with practical experience in planetary geomorphology and photo interpretation to analyze Viking Orbiter Images. Participation in compilation of data bank of time-variable, eolian phenomena on Mars. Ph.D. in planetary sciences or related subject desirable but not necessary. Send curriculum vitae and two letters of recommendation to: **J. Veveřka, Space Sciences Building, Cornell University, Ithaca, N.Y. 14853.**

DIRECTOR OF INFORMATION SERVICES

New Mexico Institute of Mining and Technology seeks a Director of Information Services with a wide range of public-information skills: Newswriting; writing, editing, and layout of brochures and posters; both still and movie photography; and community relations. Familiarity with darkroom procedures and photo-offset printing is also required. Experience in writing on technical topics for the general public is desired.

New Mexico Tech is a small technical university of 1100 students offering degrees through the Ph.D. and with extensive research and development activity. Four divisions comprising the Institute are the College, the Bureau of Mines and Mineral Resources, the Research and Development Division, and the Petroleum Recovery Research Center. The Director of Public Information has responsibility for the public-information program of the entire Institute, supervises two other professionals as well as support staff in the print plant and the photo lab, and manages a budget. The Director cooperates closely with students, faculty, division directors, and other administrators, and reports directly to the president.

Applicants should have professional training in public-information work and at least three years of relevant experience, preferably in a college or university, or in a research organization. Breadth of skills and flexibility to handle multiple responsibilities, often under time pressure, are important qualities. Familiarity with the State of New Mexico and its news media is desired. The salary is open, depending on experience and qualifications.

Applicants should submit a detailed letter and letter and resume and the names of several references to the Chairman of the Search Committee, Dr. George S. Austin, Bureau of Mines and Mineral Resources, Campus Station, Socorro, N. M. 87801. Deadline for receipt of applications: February 16, 1979.

New Mexico Institute of Mining and Technology

New Mexico Tech is an equal opportunity/affirmative action institution.

SENIOR SCIENTISTS

A career opportunity is available for Senior Scientists in pharmaceutical research at Sandoz. We are looking for applicants in the biomedical and atherosclerosis area with a PhD and postdoctoral experience in an academic or industrial environment. The individual will head one of several lab units in the section.

BIO MEDICAL

Extensive training and experience in carbohydrate and intermediary metabolism and an interest in participating in a direct program of development of novel hypoglycemic agents. A knowledge of research and development in diabetes is desirable, along with a broad knowledge of pharmacology.

ATHEROSCLEROSIS

This position involves the supervision and direction of a program aimed at pharmacological modification of lipoprotein metabolism. It is also part of a multi-disciplinary team approach which is directed towards the study of atherosclerosis. Experience in the field of lipoprotein is a plus.

We offer a salary fully commensurate with your experience plus excellent benefits. PLEASE SEND SALARY HISTORY AND REQUIREMENTS WITH YOUR RESUME TO: (Resumes with salary history and requirements will be given immediate consideration).

Mr. John F. McGough, Personnel Manager, Research Development



SANDOZ, INC.
RESEARCH and DEVELOPMENT
Route 10, East Hanover, New Jersey 07936
An Equal Opportunity Employer M/F

STATE OF KUWAIT

KUWAIT UNIVERSITY

ENVIRONMENTAL/ GEOMORPHOLOGY— GEOLOGY DEPARTMENT

The Department invites applicants for a 2 year renewable appointment starting September 1979. Qualifications include a Ph.D., experience in teaching environmental geology and geomorphology and willingness to participate (*on rotating basis*) in instructing elementary courses in marine, geo-statistics and introductory Geology. The candidate will be expected to assist in developing research programs in Geology and teaching in the Graduate School which opens shortly. Applicants should send resume and three letters of reference to:

KUWAIT UNIVERSITY

Department of
Administrative Affairs
P.O. Box 5969,
Kuwait.

POSITIONS OPEN

RADIATION SCIENTISTS

U.S. Environmental Protection Agency (EPA), Office of Radiation Programs, Criteria and Standards Division.

Several positions are available for radiation physicists, radiobiologists, nuclear engineers, epidemiologists/biostatisticians, and health physicists. The division is responsible for promulgating environmental standards, federal guidance, and general radiation protection policy within the agency. Challenging opportunities to work on radiation waste management, radioactive air pollution, natural radioactivity, non-ionizing (RF) radiation, and related problems of interest to environmental scientists. Experienced scientists or trainees at the B.Sc., M.Sc., and Ph.D. levels are invited to apply for these job opportunities.

These positions are in the permanent federal career Civil Service or appointments in the Commissioned Corps of the U.S. Public Health Service. The GS level or rank will be commensurate with training and experience. The positions are located in Washington, D.C.

Interested individuals should submit Personal Qualifications Statement SF-171, obtainable at the U.S. Civil Service Commission offices or U.S. post offices, and/or résumés with transcripts to:

Pat S. Keitt
Personnel Management Division (PM-212)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460
An Equal Opportunity Employer

RESEARCH ASSISTANT PROFESSOR. Full-time research position available for Ph.D. with 3 years of postdoctoral experience in nucleic acid biochemistry. Experience in polycyclic hydrocarbon metabolism and mechanisms of DNA repair essential. Some background in enzymology preferred. Also, teaching and supervisory skills required with particular responsibility to graduate research and laboratory personnel. Salary: \$14,000 per annum, contingent upon experience; 40 to 50 hours per week. Interested persons should submit curriculum vitae and names of three references to: **Department of Biochemistry, University of Vermont, Burlington, Vermont 05405.**

RESEARCH ASSOCIATE/ PRINCIPAL PSYCHOLOGIST

Ph.D. wanted to be member of an interdisciplinary team studying the effects of intrauterine exposure to lead and other toxins on infant development. Candidates must be well grounded in research design, infant assessment, data acquisition, and analysis. This individual will lead a small team in the forward study of group of infants from mid-pregnancy on.

Send curriculum vitae immediately to: **Herbert Needleman, M.D., Director, Lead Exposure Studies, Children's Hospital Medical Center, 300 Longwood Avenue, Boston, Mass. 02115.**

CHILDREN'S HOSPITAL MEDICAL CENTER BOSTON

*An Affirmative Action/
Equal Opportunity Employer*

RESEARCH ASSOCIATE—CROP LOSSES. University of Idaho. Permanent full-time position available immediately at minimum salary of \$14,000 per year. Conduct cooperative and independent research on crop losses at state and regional levels within an existing coordinated loss assessment program. M.S. degree in pest management, system science, plant pathology, anatomy, weed science, or agronomy is minimum requirement. Must have experience in statistics, computer programming, pest management and/or system science, and in field, greenhouse and/or laboratory research related to crops. Send personal curriculum vitae, transcripts, and three letters of recommendation by 1 March 1979 to: **Research Associate—Crop Losses, Department of Plant and Soil Sciences, University of Idaho, Moscow, Idaho 83843.**

TEACH SCIENCE AND/OR MATHEMATICS IN AN INDEPENDENT SCHOOL

A number of excellent opportunities at middle and secondary school levels in independent (private) schools throughout the United States. Positions in chemistry, physics, biology, earth sciences, and general science (as well as math). Please write, if possible enclosing résumé, to: **Independent Educational Services, 80 Nassau Street, Princeton, N.J. 08540.** (A nonprofit corporation.)

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POSITIONS OPEN

RADIATION BIOPHYSICIST

Research group engaging in advanced radiation biophysics requires the services of a scientist familiar with theoretical radiobiology, microdosimetry, and computer techniques. Applicants must have a Ph.D. and postdoctoral experience in this area. Send curriculum vitae to: **Dr. H. H. Rossi, Columbia University, Radiological Research Laboratory, 630 West 168 Street, New York, N.Y. 10032.** *An Equal Opportunity/Affirmative Action Employer.*

RESEARCH ASSOCIATE POSITION: duration of 1 to 2 years, M.D./Ph.D.; nontenured position. All science and medicine subspecialties. Submit curriculum vitae and area of interest to:

Rubin Bressler, M.D.
Department of Internal Medicine
University of Arizona
College of Medicine
Tucson, Arizona 85724

The University of Arizona is an Equal Opportunity/Affirmative Action/Title IX/Section 504 Employer.

TECHNOLOGY AND PUBLIC POLICY

The Department of Engineering and Public Policy of Carnegie Institute of Technology, and the School of Urban and Public Affairs and the College of Humanities and Social Science, Carnegie-Mellon University, have one or more joint faculty openings: (i) for **APPLIED SOCIAL SCIENTISTS** interested in doing collaborative policy research with engineers or (ii) for **ENGINEERS** interested in doing collaborative policy research with social scientists. Problem areas of interest include social impacts of computers and telecommunications, product liability and safety, electric power load management, retrospective technology assessment, and energy and environmental systems. Desirable areas of skill include decision analysis, optimization techniques, organizational analysis, and regulatory process and law. Send résumé with list of publications to:

Dr. M. Granger Morgan
Department of Engineering and Public Policy, 19816
Carnegie-Mellon University
Pittsburgh, Pa. 15213

TOXICOLOGIST

For studies of new anti-cancer drugs in rodents and dogs. Experience in animal handling, intravenous techniques, histopathology. Master's degree desirable. Send curriculum vitae to: **Administrator, Vermont Regional Cancer Center, University of Vermont, Burlington, Vermont 05401.**

An Affirmative Action Employer

VERTEBRATE ZOOLOGISTS

The zoological collections of the University of Georgia Museum of Natural History anticipate immediately filling three postdoctoral positions (mammalogist, ornithologist, herpetologist). Experienced persons with a master's considered. Responsibilities include: (i) status surveys of selected vertebrates for possible inclusion on the state's protected species list; (ii) faunal surveys of the Okefenokee Swamp; and (iii) assistance with curation of museum collections. Applicants must have experience with field censusing techniques, expertise in systematics and/or ecology, and some museum experience. Familiarity with electrophoretic and/or computer based morphometric techniques helpful. A strong independent research program in southeastern vertebrates will be encouraged. Submit curriculum vitae, three letters of recommendation, and statement of interests before 10 March to: **Dr. Joshua Laerm, Director, University of Georgia Museum of Natural History, Biological Sciences Building, Athens, Georgia 30602.** *An Equal Opportunity/Affirmative Action Institution.*

GRADUATE STUDY

Graduate research **ASSISTANTSHIPS** in ecology on NSF grants are available in: (i) sociobiology and population ecology of microtine rodents (field emphasis; radiotelemetry), and (ii) comparative physiological ecology of *Sphagnum* mosses, emphasizing water relations. Qualified students contact: **Dr. D. Madison or Dr. J. Titus, Department of Biological Sciences, State University of New York, Binghamton, N.Y. 13901.** *An Equal Opportunity/Affirmative Action Employer.*

GRADUATE STUDY

GRADUATE STUDY—Predoctoral traineeships leading to a Ph.D. in the biomedical sciences are available for study in the Microbiology Department of the **MOUNT SINAI SCHOOL OF MEDICINE** of the City University of New York. Research areas include: genetics and biochemistry of animal viruses, cellular immunology, nucleic acid physiology, cell nuclear structure, bacterial genetics, and carcinogenesis. \$4,500 yearly stipends are available. Contact: **Dr. E. D. Kilbourne, Department of Microbiology, The Mount Sinai School of Medicine, One Gustave L. Levy Place, New York, N.Y. 10029.** *An Equal Opportunity Employer.*

GRADUATE TRAINING IN MEDICAL COMPUTING FOR PHYSICIANS

The University of Illinois at Urbana-Champaign College of Medicine and Department of Computer Science are accepting applications for a 2-year program in medical computing, leading to the degree of master of computer science.

All applicants must have an M.D. degree and preferably some residency training. A basic stipend of \$15,000 per year will be provided to qualified applicants.

The Department of Computer Science offers a well-established graduate program with 35 full-time faculty. Research interests include advanced instrumentation, information engineering, image processing, and artificial intelligence. The College of Medicine's Medical Computing Laboratory supports research in interactive medical consultation and other aspects of medical informatics, especially those involved with man-machine interaction.

Inquiries should be directed to: **Allan H. Levy, M.D., 567 Medical Sciences Building, University of Illinois, Urbana, Illinois 61801; telephone: 217-333-2284.**

The University of Illinois is in full compliance with all federal and state nondiscrimination and Equal Opportunity laws, orders and regulations, and will not discriminate against any person in any of its educational programs and activities.

TRAINING PROGRAMS

PREDOCTORAL AND POSTDOCTORAL TRAINING IN EXPERIMENTAL NUTRITION

Postdoctoral training is offered in the following areas under a grant from the National Institute of Arthritis, Metabolism, and Digestive Diseases:

The nutritional availability of amino acids and B-vitamins in foods and the beneficial or adverse effects of food processing.

The effects of dietary changes on the growth and metabolism of gut bacteria and their possible significance for the host.

The effects of dietary cholesterol on composition, morphology, and immunological behavior of red cell membranes, and

The role of essential fatty acids in the regulation of fatty acid synthesis and lipoprotein metabolism; physical properties and sterol interactions of phospholipids; functions of linolenic acid.

Research training will be for 1 to 3 years and will be supplemented with lectures by faculty and invited speakers. Trainees must be citizens or noncitizen nationals of the United States or be permanent residents and have earned a Ph.D. or M.D. degree to be eligible for a postdoctoral grant. Grants for predoctoral training in the department are also available. To apply or obtain more information, write: **Dr. K. J. Carpenter, Department of Nutritional Sciences, University of California, Berkeley, Calif. 94720.**

An Affirmative Action/Equal Opportunity Educator and Employer

POSTDOCTORAL (Ph.D., M.D., D.V.M.) TRAINING PROGRAM in reproductive biology and biochemistry emphasizing supervised research in biochemistry of ovulation, ovarian steroidogenesis, steroid and protein hormone action, prostaglandins uterine postpartum involution, placental iron transport, and lactose biosynthesis, as well as the physiological and immunological aspects of fertilization. Applicants should send résumé, graduate transcript, and two letters of reference to: **Dr. John M. Marsh, Department of Biochemistry, University of Miami School of Medicine, P.O. Box 016960, Miami, Fla. 33101.** *An Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH TRAINING IN TOXICOLOGY

Postdoctoral positions in the Duke Toxicology Training Program are available immediately. The program is an interdisciplinary approach to toxicology. Each applicant should provide curriculum vitae, a summary of thesis, three references, and a brief statement of specific interests in toxicology. Applicants should identify specific preceptors from the list below.

Role of superoxide and superoxide derived species in oxygen toxicity and the protective effects of superoxide dismutases, catalases, and peroxidases. Microbiological and tissue culture background and an interest in classical enzymology desired. Professor Irwin Fridovich.

Mechanism of synthesis, storage, and secretion of neurotransmitters using cultured adrenal medulla cells. Professor Norman Kirshner.

Inhalation toxicology: toxicokinetics and pharmacology of nitrate aerosols and other air pollutants. Whole animal and isolated perfused lung techniques will be used. Professor D. B. Menzel.

Studies on phospholipid metabolism, bone marrow cell kinetics, and specific cell antisera. Professor Athos Ottolenghi.

Toxicity and pharmacology of peroxides: chemical synthesis of prostaglandin endoperoxides and effects on human platelets and organs. A strong background in chemical synthesis is desired. Professor Ned Porter.

Effects of age, stress, and other environmental factors on drug and toxicant metabolism using microsomal fractions studied with epr and fluorescence. A strong background in biochemistry or biophysics is desired. Professor G. K. Rosen.

Applicants should respond to: **Dr. D. B. Menzel, Director, Toxicology Training Program, Department of Pharmacology, P.O. Box 3813, Duke University Medical Center, Durham, North Carolina 27710.**

Biologist

MANAGER ACQUATIC BIOASSAY SERVICES

Total environmental services consulting firm needs an Aquatic Bioassay Services Manager with an MS or PhD in the life sciences plus 5 or more years related experience to further develop and manage static screening, acute and chronic toxicity studies including field sampling, bioassay, lab analysis, regulatory interpretations and reporting. Knowledge and experience with EPA, ASTM, and other standard protocol preferable.

Starting salary: \$21,600-\$27,000.

If you would like to be considered for this position, please send your resume with salary history in confidence to Hall A. Acuff.

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.

P.O. Box 13454
Gainesville, Florida 32604

An Equal Opportunity Employer M/F

THE AUSTRALIAN NATIONAL UNIVERSITY

Applications are invited for the following posts in the John Curtin School of Medical Research:

RESEARCH FELLOW (TWO POSTS) IN CLINICAL SCIENCE. Candidates should be graduates in medicine or science with appropriate postgraduate training. The Department of Clinical Science is currently undertaking biochemical and pharmacological studies on membrane function in relation to human disease. Emphasis is on calcium, cyclic nucleotide and prostaglandin metabolism, asthma, diseases of muscle, malignant hyperpyrexia, platelet function, atherosclerosis, thrombosis and haemostasis, osteogenesis imperfecta, clinical pharmacology, and clinical immunology. Appointments will normally be for 2 years but in exceptional circumstances may be for 3 years and extended to a total period of 5 years. It is hoped that the successful candidates will be able to take up their appointment in the first half of 1979. Applicants should arrange for reports from three academic referees to be sent to the undersigned in support of their application.

SENIOR RESEARCH FELLOW/RESEARCH FELLOW (TWO POSTS) IN IMMUNOLOGY. The department is doing research into the genetic basis of disease resistance in livestock, the major histocompatibility complex of cattle, the immunological aspect of reproduction, foetal-maternal interactions, the physiology of the immune response, transplantation biology, the immunobiology of cancer, and immunological tolerance. Scientists doing research into any of the above areas either from the physiological, biochemical, or cellular standpoints will be considered. Appointment will be for 3 years in the first instance with possibility of extension to 5 years unless otherwise stated. Salary in accordance with experience and qualifications within the ranges: senior research fellow: A\$22,049 to A\$26,301 per annum; research fellow: A\$15,786 to A\$20,606 per annum. Salary loading of up to \$5,000 per annum may be paid to an applicant holding appropriate medical qualifications. Current exchange rates A\$1:U.S.\$1.14. Superannuation benefits available. Reasonable travel and removal expenses. Assistance with housing provided for an appointee from outside Canberra. The University reserves the right not to make an appointment or to make an appointment by invitation at any time. Further information may be obtained from: **Registrar, P.O. Box 4, Canberra, ACT 2600, Australia** with whom applications close 28 February 1979.



Toxicology Specialist



The GENERAL FOODS TECHNICAL CENTER has a new position in their Toxicology Group for a PhD in Pharmacology or Toxicology with five or more years experience. Strong background in Chemistry essential; awareness of food additive safety and regulatory affairs helpful.



Position provides the opportunity to conduct research as well as provide counseling and assessment on safety issues. Good scientific writing skills extremely helpful.



Our modern facility just north of NYC offers a choice of urban or suburban living. Please send your resume in confidence indicating salary expectations to:



PERSONNEL ASSOCIATE (D-33)



GENERAL FOODS CORPORATION



TECHNICAL CENTER
555 SOUTH BROADWAY
TARRYTOWN, NEW YORK 10591

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SYMPOSIUM

**Symposium on Energy and Human Health:
Human Costs of Electric Power Generation**
Sponsored by the University of Pittsburgh and
Ohio River Basin Energy Study

19 to 21 March 1979
Pittsburgh Room
William Penn Hotel
Pittsburgh, Pennsylvania

Topics to be included: methodologic problems in detecting health effects; environmental and occupational health aspects of coal and uranium mining, coal and nuclear power plants and fuel cycles, transportation of fuels and wastes, power transmission, and waste disposal.

There is no registration fee, but the number attending will be limited.

For a program and registration information write to:

Edward P. Radford, M.D.
Department of Epidemiology
Graduate School of Public Health
University of Pittsburgh
Pittsburgh, Pa. 15261

COURSES

Short Course in Medical and Experimental Mammalian Genetics conducted by the Jackson Laboratory and the Johns Hopkins University at Bar Harbor, Maine, 23 July to 3 August 1979.

This annual course, first conducted in 1960, has been supported by the National Foundation—March of Dimes.

Application should be made to: V. A. McKusick, Johns Hopkins Hospital, Baltimore, Md. 21205, or T. H. Roderick, Jackson Laboratory, Bar Harbor, Maine 04609.

A special symposium in honor of the 50th anniversary of The Jackson Laboratory will be held 16 to 20 July.

ASSISTANTSHIPS

TEACHING ASSISTANTSHIPS are currently available to qualified applicants in a program leading to a M.S. in biological sciences. Emphases are in ecology, microbiology, systematics, and ultrastructure. Salary: \$3,900 for 9 months (out-of-state tuition waived). Send inquiries to: Graduate Adviser, Department of Biological Sciences, University of Texas at El Paso, El Paso, Texas 79968. *An Equal Opportunity/Affirmative Action Employer.*

TRAINEESHIPS

EPITHELIAL ION AND WATER TRANSPORT

Postdoctoral trainee position for person interested in identifying and characterizing membrane proteins involved in regulating permeation of Na^+ , H^+ , and water across epithelial membranes. This is an opportunity to spend up to 3 years in a lively research environment. Stipend according to NIH regulations. Send résumé and names of three references to:

Professor Darrell Fanestil
Department of Medicine (M-023)
University of California, San Diego
La Jolla, California 92093

FELLOWSHIPS

PREDOCTORAL AND POSTDOCTORAL TRAINING IN MOLECULAR VIROLOGY

Several predoctoral and postdoctoral fellowships are available for qualified applicants through NIH training grants. Preceptors include: Drs. J. C. Bennett, D. H. L. Bishop, R. W. Compans, E. Hunter, E. Lamon, J. Lebowitz, J. Mole, and J. P. Segrest. Research areas include: virus structure, genetics and replication, and viral immunology and membrane biology. Send applications and inquiries to: Dr. R. W. Compans, Department of Microbiology, University of Alabama Medical Center, Birmingham, Ala. 35294. *An Affirmative Action/Equal Opportunity Employer.*

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS FOR RESEARCH TRAINING IN HYPERTENSION AND CARDIOVASCULAR DISEASE

Two-year postdoctoral fellowships starting in 1979 are available for qualified applicants with the M.D. or Ph.D. degree as part of a multidisciplinary training program. Possible areas for intensive research experience will include biochemical, physiological, pathological, and epidemiological approaches to studying the cardiac, renal, adrenal, and neural components of vascular regulation. For further information write to: Dr. R. L. Soffer, Departments of Biochemistry and Medicine, Cornell University Medical College, 1300 York Avenue, New York, New York 10021.

POSTDOCTORAL FELLOWSHIPS— VISUAL SCIENCE

The Eye Research Institute of Retina Foundation has two or more fellowships available in the Department of Retina Research. Fellowships can be sponsored by any of the following research faculty: A. R. Adolph, B. Chakrabarti, F. C. Delori, P. H. Hartline, T. Hirose, H. S. Liu, B. D. Peczon, M. F. Refojo, L. Reif-Lehrer, D. M. Snodderly, F. I. Telenito, or R. H. Webb. Please correspond directly with the potential sponsor at:

Eye Research Institute of Retina Foundation
20 Staniford Street
Boston, Massachusetts 02114

POSTDOCTORAL POSITION

Available for research on preimplantation mammalian embryos. Studies are on micromanipulation of the embryo as well as on biochemistry of development. Apply with curriculum vitae to: R. L. Brinster, Laboratory of Reproductive Physiology, School of Veterinary Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19104.

POSTDOCTORAL FELLOWSHIP. Two years; available immediately for basic research related to gastroenterology (intestinal transport and/or induction of hepatic enzymes). Send curriculum vitae and names of three references to:

Dr. Leon Lack
Box 3185
Department of Pharmacology
Duke University Medical Center
Durham, N.C. 27710

PRE- AND POSTDOCTORAL TRAINING PROGRAMS: The Department of Epidemiology of the Graduate School of Public Health, University of Pittsburgh, is now offering training programs in psychiatric epidemiology, epidemiology of alcohol-related diseases, cardiovascular, and environmental epidemiology. Stipends are available in all of these areas of interest. Send copy of curriculum vitae and letter describing interests to: Lewis Kuller, M.D., Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa. 15261. *An Affirmative Action/Equal Opportunity Educational Institution.*

THE AMERICAN FUND FOR ALTERNATIVES TO ANIMAL RESEARCH (AFAAR)

Applications are invited for awards.

Adherence to the following stipulations is a condition of any grant:

- 1) The project must, in the opinion of the AFAAR Board, be likely to lead to the alleviation of human or animal suffering or lead to the advancement of knowledge useful for saving or prolonging life.
- 2) The project shall not at any stage involve the use of live animals for experimental purposes, and
- 3) Progress reports shall be submitted to AFAAR from time to time as agreed.

Preference will be given to development of techniques likely to replace animals currently in use. Kindly send for an application form to: AFAAR c/o E. Thurston, 175 West 12 Street, New York, N.Y. 10011.

RESEARCH FELLOWSHIP IN DIAGNOSTIC RADIOLOGY. Opportunity for Ph.D. or M.D. to participate with a faculty member in one or more ongoing laboratory research projects involving the development, pharmacology and/or toxicology of contrast media. Starting date open: 1- to 2-year period. Submit curriculum vitae and date of availability to: H. W. Fischer, M.D., Chairman, Department of Radiology, University of Rochester, Rochester, N.Y. 14642.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP

Postdoctoral position in neurochemistry, available immediately. This position is for 1 year and will be funded via the Playfair Neuroscience Unit (multidisciplinary research) at the Toronto Western Hospital. The project concerns CSF acid-base balance in chronic encephalopathy using humans and animal models. Salary to \$15,000, maximum.

Please apply to: Dr. P. L. Carlen or Dr. B. Kapur, Search Committee, Playfair Neuroscience Unit, Toronto Western Hospital, North Pavilion, 399 Bathurst Street, Toronto, Ontario, Canada H5T 2S8. Closing date for applications is 31 March 1979.

POSTDOCTORAL FELLOWSHIPS IN PHYSIOLOGY

Positions become available from time to time for persons with an M.D. or Ph.D. to conduct research as a member of a group in any one of the following areas: neurophysiology; electrophysiology and biophysical theory; membrane phenomena, biophysics and active transport; cellular neurophysiology; cardiovascular physiology; circulation; respiration; behavioral and sensory physiology; and physiology of the heart and muscle, or other related specialties. Applicants are expected to be familiar with advanced research techniques relevant to the area of interest and must have a strong academic background. Stipends usually range from \$10,000 to \$14,000, depending upon postdoctoral experience. Applicants should submit curriculum vitae with a list of publications and names of references to:

Professor Wilfried F. H. M. Mommaerts, Chairman
Department of Physiology
University of California
School of Medicine
Los Angeles, California 90024

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RESEARCH FELLOWSHIPS IN ANATOMY

A limited number of research fellowships (\$5,000 per annum) are available for candidates wishing to pursue a Ph.D. in anatomy at George Washington University. Only applicants who are interested in pursuing a career in anatomy or a related science field need apply. Inquiries should be directed to: Dr. Kurt Johnson, Supervisor of Graduate Studies, Department of Anatomy, The George Washington University Medical Center, 2300 I Street, NW, Washington, D.C. 20037. Telephone: 202-676-3511.

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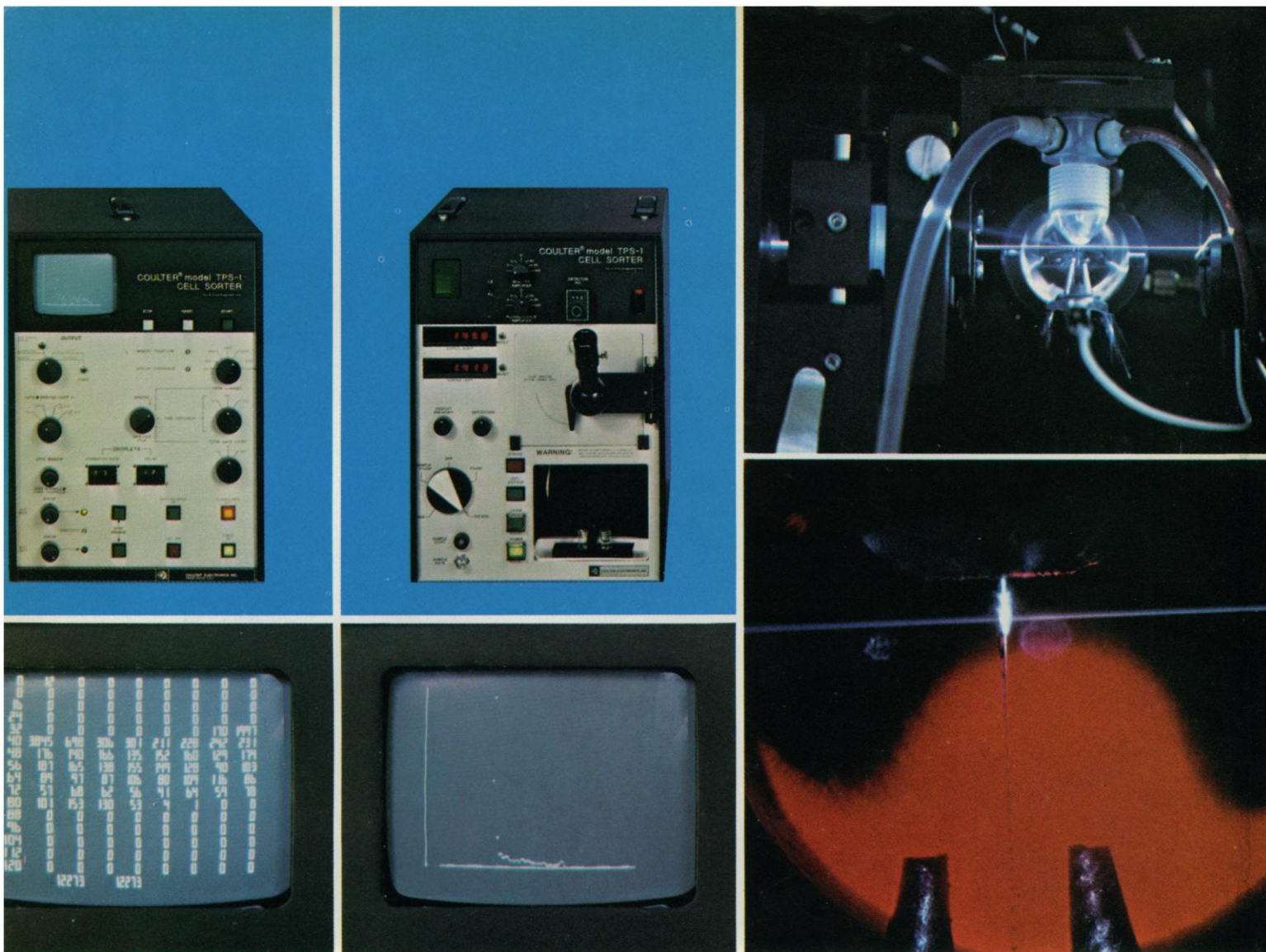
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