

BOOKS RECEIVED

(Continued from page 1192)

Norman F. Brydon. Rutgers University Press, New Brunswick, N.J., 1974. xx, 376 pp., illus. \$15.

The Pathology of the Human Placenta. Kurt Benirschke and Shirley G. Driscoll. Springer-Verlag, New York, 1974. viii pp. + pp. 97-616, illus. \$49.70. Reprinted from *Handbuch der speziellen pathologischen Anatomie und Histologie*, vol. 7/5.

Phenomenology of Particles at High Energies. Proceedings of the 14th Scottish Universities summer school (A NATO Advanced Study Institute), Edinburgh, 1973. R. L. Crawford and R. Jennings, Eds. Academic Press, New York, 1974. xii, 744 pp., illus. \$47.25.

Physical Chemistry of Melts in Metallurgy. F. D. Richardson. Academic Press, New York, 1974. Two volumes, illus. Vol. I, xxviii pp. + pp. 1-290 + index. Vol. 2, xxviii pp. + pp. 291-538 + index. Each vol., \$19.50.

Physical Mechanisms in Radiation Biology. Proceedings of a conference, Airlie, Va., Oct. 1972. Raymond D. Cooper and Robert W. Wood, Eds. United States Atomic Energy Commission, Oak Ridge, Tenn., 1974 (available as CONF-721001 from National Technical Information Service, Springfield, Va.). vi, 326 pp., illus. \$10.60. AEC Symposium Series.

Proceedings of Symposium on the Earth's Gravitational Field and Secular Variations in Position. Sydney, Australia, Nov. 1973. R. S. Mather and P. V. Angus-

Leppan, Eds. The School of Surveying, University of New South Wales, Sydney, 1974. xvi, 728 pp., illus. Paper, \$A20.

Proceedings of the Symposium of the International Geographical Union Commission on High Altitude Geoeology. Calgary, Canada, Aug. 1972. Jack D. Ives and Kathleen A. Salzberg, Eds. Institute of Arctic and Alpine Research, University of Colorado, Boulder, 1973. iv, 200 pp., illus. Paper, \$4. *Arctic and Alpine Research*, vol. 5, No. 3, part 2.

Progress in Medical Virology. Vol. 17. Joseph L. Melnick, Ed. Karger, New York, 1974. xvi, 314 pp., illus. \$35.75.

Psychoneuroendocrinology. Proceedings of a conference, Micken, Japan, Sept. 1973. N. Hatotani, Ed. Karger, New York, 1974. viii, 312 pp., illus. \$49.

Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles. Robert Eisberg and Robert Resnick. Wiley, New York, 1974. xvi, 714 pp., illus. + appendices + index. \$16.95.

Readings in Perception. Principle and Practice. Peter A. Fried, Ed. Heath, Lexington, Mass., 1974. xii, 548 pp., illus. Paper, \$6.95.

The Realization of Death. A Guide for the Psychological Autopsy. Avery D. Weisman. Aronson, New York, 1974. xiv, 208 pp. \$10.

Schizophrenics in the New Custodial Community. Five Years after the Experiment. Ann E. Davis, Simon Dinitz, and Benjamin Pasamanick. Ohio State University Press, Columbus, 1974. xxviii, 214 pp. \$12.

Science and Technology in Korea. Traditional Instruments and Techniques. Sang-woon Jeon. MIT Press, Cambridge, Mass., 1974. xxii, 384 pp., illus. \$17.50. The MIT East Asian Science Series, vol. 4.

Science Policy and Business. The Changing Relation of Europe and the United States. The John Diebold Lectures 1971. Proceedings of a meeting, The Hague, Dec. 1971. David W. Ewing, Ed. Harvard University Graduate School of Business Administration, Boston, 1973 (distributor, Harvard University Press). x, 110 pp., illus. \$6.

Water for Agriculture. L'Eau en Agriculture. Agua para Agricultura. Annotated Bibliography. Author and Subject Index. Food and Agriculture Organization of the United Nations, Rome, 1973 (available from Unipub, New York). Variously paged. Paper, \$8. Irrigation and Drainage Paper, 22.

Wilderness Areas of North America. Ann and Myron Sutton. Photographs by the authors. Maps by Don Pitcher. Funk and Wagnals, New York, 1974. x, 406 pp. \$10.

Woman in Science. With an Introductory Chapter on Woman's Long Struggle for Things of the Mind. H. J. Mozans. MIT Press, Cambridge, Mass., 1974. xx, 452 pp. Paper, \$4.95. Reprint of the 1913 edition.

World Bibliography and Index of Quaternary Tephrochronology. J. A. Westgate and C. M. Gold, Eds. University of Alberta, Edmonton, Canada, 1974 (available from J. A. Westgate, Department of Geology, University of Alberta). xxii, 528 pp. Paper, \$6.50.

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POSITIONS WANTED

Biochemist, Ph.D. Clinically oriented research, familiar with modern instrumentation and techniques. Desire responsible position in hospital or university. Box 136, **SCIENCE**. X

Biologist, Ph.D., with broad background, diverse interests, and more than a decade of experience in basic research and research administration. Desires teaching/administrative post in small liberal arts college. Box 128, **SCIENCE**. X

Biologist, Ph.D. 1967. Broad background in plant and animal research with tissue culture specialty. Desires teaching position in general biology with possible course in cell biology, anatomy, or histology. Box 137, **SCIENCE**. X

Botanist-Plant Physiologist, M.S. TEM and laboratory skills. Experience in seed and algal studies. Seeks position in biological or environmental science. M. Davis, 1076 Neil Avenue, Apt. 3-A, Columbus, Ohio 43201.

Cell Biologist, Ph.D. Over 40 publications in fields of dynamics of cell surfaces, specificity in cell interactions, and role of cell surfaces and membranes in mediating drug action. Wide experience in biochemical and biophysical techniques. Own grants, several years of teaching experience. Seeks research/academic position in stimulating environment. Box 138, **SCIENCE**. X

Environmental Chemist, Ph.D. Specialty in water area. Postdoctoral, teaching, consulting experience, seeks teaching and/or research position for September. Box 139, **SCIENCE**. X

Immunologist, Ph.D. 1971. Immunochemistry, protein chemistry, oncology. Experience with tumor-associated antigens, development of RIA, immunochemistry of protein antigens. Teaching experience, clinical experience, publications, U.S. citizen. Seeking research/clinical/teaching position in eastern United States on or before July 1975. Box 140, **SCIENCE**. 3/28; 4/4

POSITIONS WANTED

Immunologist, Ph.D. 1972. Seeking position in medical school, interested in teaching and research. Numerous publications. Research interests: immunology of the lung. V. L. Moore, Ph.D., VA Research Service, 151 Milwaukee, Wisconsin 53193. Telephone: 414-384-2000, extension 2611. X

Lawyer. Unique training in medicine, human genetics, ethics. Teaching experience: legal medicine, science policy. Publications. Seeks teaching post at medical school or university. Available September 1975. Box 141, **SCIENCE**. X

Medical Microbiologist, Immunologist. Doctorate eastern university. Extensive research and teaching experience. Publications. Main interest: infection and immunity, antibiotics. Desires research (or research/teaching) position in academic institution, government. Box 133, **SCIENCE**. 3/28

Mycologist, Ph.D. Desires teaching and/or research position. Research interests in applied mycology. Publications. Box 142, **SCIENCE**. X

Pharmacologist, experienced, industrial and academic, strong clinical interest; specialties, experimental design, data analysis, neuro, psycho and general pharmacology. Ph.D. 1959, many publications, clinical and preclinical. IND, NDA, and ANDA experience. Box 143, **SCIENCE**. X

Pharmacologist, Ph.D. (1973), seeking research or teaching position, 2 years of postdoctoral experience, research interest: metabolism of cells in tissue culture, drug-receptor bindings, and pharmacokinetics. Box 144, **SCIENCE**. X

Pharmacology, Ph.D., medical school teaching, research, postdoctoral experience pharmacology, physiology, undergraduate biology; seeks health sciences teaching, research, industrial, government environment. Box 135, **SCIENCE**. 3/28

Physiologist, Ph.D. 1958. Seeks senior faculty position in East. Ten years of experience in medical college as well as industrial background. Interested in reproductive biology and endocrinology. More than 100 publications. Box 122, **SCIENCE**. 3/28; 4/4

Physiologist/Endocrinologist, M.D., certified internist, seeks academic/research position. Extensive research, teaching, and clinical experience. Box 145, **SCIENCE**. X

Psychopharmacologist, Ph.D., November 1969. Five years of postdoctoral teaching and research experience. Areas of specialization include: experimental and physiological psychology as well as psychopharmacology. More than 36 publications and teaching experience at both the graduate and undergraduate levels. Seeks academic or government position. Box 146, **SCIENCE**. X

Scientific Computer Programmer. Ten years of programming experience in oceanography, particle physics, and electronics. M.S. in applied mathematics. Excellent references. R. Blumberg, Stetson Road, Williamstown, Massachusetts 01267.

Toxicologist, Ph.D. 1968. Publications in drug metabolism and identification. Graduate teaching and research experience in environmental, industrial, and forensic applications. Seeking position with government, academic, or forensic institution. Available immediately. Box 66, **SCIENCE**. 3/28

Zoologist, Ph.D. Seeks teaching or teaching-research position. Interests include invertebrate zoology, invertebrate physiology, parasitology. Box 54, **SCIENCE**. 3/28; 4/4, 11

POSITIONS OPEN

The Applied Physics Laboratory of the University of Washington is seeking a **PHYSICAL OCEANOGRAPHER** to fill a junior position in an established research group carrying out studies in internal waves, microstructure, and environmental acoustics. Candidates must have published in the field of internal waves and microscale physical processes and have a thorough understanding of the current literature and research in these fields. The position requires a person with experience in sea-going physical oceanography, planning internal wave and/or microstructure experiments, data analysis, and liaison with government funding agencies. The Ph.D. degree is required and résumés should include four professional references. Send résumés to **Mr. James Reilly, Applied Physics Laboratory, 1013 N.E. 40th Street, Seattle, Washington 98195.** The University of Washington is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

FACULTY POSITION IN ANATOMY

Postdoctoral instructorship or assistant professorship dependent upon qualifications. Applicants should be adept in teaching medical gross anatomy and be familiar with microscopic and/or neuroanatomy. Independent and/or collaborative research is expected; laboratory facilities that serve a variety of scholarly interests are available for use in research activities.

Send curriculum vitae and three references to: **Anthony J. Schmidt, Ph.D., Chairman, Department of Anatomy, Rush Medical College, 1725 West Harrison Street, Chicago, Illinois 60612.** Rush Medical College is a *Equal Opportunity/Affirmative Action Employer*.

ASSISTANT PROFESSOR

Opening for recent or near Ph.D. Chemist to teach organic and other chemistry courses to minority students preparing for medical careers. Ability to teach inorganic, biochemistry, and a biological science background considered advantageous. MEDPREP is a program with a curriculum individually tailored for pre-med minority and disadvantaged students. Applications from minorities and women encouraged. Send résumé to **Dr. Michael L. Rainey, Director, MEDPREP, School of Medicine, Southern Illinois University, Carbondale, Illinois 62901.** Telephone: 618-536-5511.

ASSISTANT PROFESSOR, BIOENGINEERING

The Department of Electrical Engineering, Princeton University, will consider appointing a beginning Assistant Professor in the area of **Bioengineering** to take part in an expanding Bioengineering Program. Applicants should have a strong background in Electrical Engineering (ability to teach undergraduate courses and graduate courses in their specialty), and should have demonstrated a deep professional involvement in Life Sciences. Ph.D. required. Send résumé and three or more references to **Professor M. J. Murray, Department of Electrical Engineering, Princeton University, Princeton, New Jersey 08540.** *Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR: DEVELOPMENTAL BIOLOGY

Applications are invited for faculty position at urban campus to start fall 1975, contingent upon funding. Duties will include teaching Developmental Systems, Microanatomy, and team-teaching Cell Biology; supervision of M.A. students; and development of research program in area of interest. Send résumé and three letters of reference, by 20 April, to **Dr. Alan P. Brockway, Biology Discipline, University of Colorado at Denver, Denver, Colorado 80202.**

ASSISTANT PROFESSOR OF PHARMACOLOGY

Faculty position for pharmacologist specializing in renal, cardiovascular, neural, or psychopharmacology, Ph.D. and/or M.D. Two years of postdoctoral experience desirable. Send résumé to **Dr. H. George Mandel, The George Washington University Medical Center, Department of Pharmacology, 2300 Eye Street, NW, Washington, D.C. 20037.** *An Equal Opportunity/Affirmative Action Employer.*

BIOCHEMIST

The National Institute of Environmental Health Sciences, NIH, PHS, DHEW, invites applications for Biochemist under the Staff Fellow or Visiting Associate Program. As a member of a biochemical genetics group, the incumbent will plan and conduct independent and collaborative research in the development of fast analytical methods for detecting enzyme activity using instruments such as GEMSAEC and standard analytical instruments. Incumbent will also purify mutant enzymes and characterize them with respect to biochemical parameters.

A Ph.D. in biochemistry with an interest in genetics is required. The appointment will initially be for 1 or 2 years and may be extended. Salary will range from \$15,000 to \$20,000 per annum depending on qualifications.

Letters of application with curriculum vitae, bibliography, and name and address of two references should be addressed to:

Ms. Penelope P. Gardner
National Institute of
Environmental Health Sciences
P.O. Box 12233
Research Triangle Park, North Carolina 27709

Letters must be received by 18 April 1975 to be considered. *An Equal Opportunity Employer.*

POSITIONS OPEN

ANATOMIST-PHYSIOLOGIST

To develop and teach courses for students in health career fields. Individualized instruction based on an audio-tutorial approach. Master's degree required and experience preferred, with special strength in anatomy. Contact **F. Robert Owens, Division Chairman, Life Sciences, Parkland College, 2400 West Bradley Avenue, Champaign, Illinois 61820. An Equal Opportunity Employer.**

BIOLOGIST

For September 1975. Must have a strong background in animal biology, including physiology, histology, anatomy, and evolution. Some responsibilities in ecology and cell biology. Instructor or Assistant Professor, salary range \$9,000 to \$12,500. Ph.D. preferred. Send résumé by 10 April to **Dean R. L. Campbell, Western New England College, 1215 Wilbraham Road, Springfield, Massachusetts 01119. An Equal Opportunity/Affirmative Action Employer.**

BIOPHYSICIST

A full professorship is available in biophysics at the University of Illinois. Expected to carry out research and teaching in biophysics. Please send your curriculum vitae to **Govindjee, 289 Morrill Hall, University of Illinois, Urbana, Illinois 61801. An Equal Opportunity and an Affirmative Action Employer.**

BUBBLE NUCLEATION RESEARCH. Research Associate or visiting research appointment on program investigating the bubble nucleation characteristics of inorganic and organic particulates in liquid suspension. Applicant should have demonstrated research ability. Position available immediately for 1- or 2-year duration. Send references and résumé to **Professor M. V. Sussman, Department of Chemical Engineering, Tufts University, Medford, Massachusetts 02155. Tufts University is an Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

ASSOCIATE DEAN MARINE RESEARCH COORDINATION

Position available 1 June 1975 for qualified person with relevant Ph.D. and both research and administrative experience. Candidate must qualify for faculty appointment but duties will be primarily administrative involving coordination of research activities in marine and atmospheric science, liaison with funding agencies, assistance in research program development particularly in interdisciplinary projects, communication, and application of research results. Applications with supporting documentation should be sent by 1 May 1975 to **W. S. Wooster, Rosenstiel School of Marine and Atmospheric Science, University of Miami, 4600 Rickenbacker Causeway, Miami, Florida 33149. An Equal Opportunity/Affirmative Action Employer.**

LAURENTIAN UNIVERSITY DEPARTMENT OF BIOLOGY

Applications are invited for position of Entomologist at Assistant professor level (bilingual English/French preferred). Appointment for 2 years. Applicant should be prepared for undergraduate teaching and be capable of supervising research at the M.Sc. level. Salary \$13,899 to \$18,078 (1974-75). Closing date for receipt of applications is 30 April 1975. Applications should be sent to: **The Chairman, Department of Biology, Laurentian University, Sudbury, Ontario, Canada.**

Indiana University of Pennsylvania announces the following opening:

BIOLOGY DEPARTMENT: Permanent position beginning 1 September 1975. Instructor or assistant professor rank. Salary: \$10,000 to \$15,000. Duties include: Team teaching in two-semester, nonmajors biology program; lecturing to classes of 250 or more students; administrative duties relative to a 1000-student-per-semester, nonmajor biology program; and development of innovative programs for large groups of students. Master's degree plus ten additional graduate credits required. Strong ecology background desired. Four years of teaching at university level required. Send résumés to **Dr. Richard F. Waechter, Biology Department, Indiana University of Pennsylvania, Indiana, Pa. 15701, by 25 April 1975. An Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

ASSOCIATE PROFESSOR

The Department of Natural Science, Florida State Museum, has an opening for an Associate, 1 June 1975. The position is nontenure accruing, appointment annual, minimum salary \$10,000. A Master's degree in biology is required, and special interest and training in museum ornithology and/or avian bioacoustics preferred. Closing date is 20 April. Send application and letters of recommendation to **Dr. J. W. Hardy, Department of Natural Science, Florida State Museum, University of Florida, Gainesville 32611. An Equal Opportunity/Affirmative Action Employer.**

BIOLOGY FACULTY. The Richmond College of The City University of New York has two positions open for September 1975. Ph.D. required.

1) Reproductive Biology-Endocrinologist. Strong background in molecular aspects of development.
2) Reproductive Biology-Comparative Biochemist/Physiologist. Strong background in enzymology and protein chemistry.

Appointment at assistant or associate rank dependent upon credentials. Teaching experience required. Send curriculum vitae and three academic references to **S. Koulish, Associate Dean of Faculties, Pure and Applied Sciences, Richmond College, 130 Stuyvesant Place, Staten Island, New York 10301. Affirmative Action/Equal Opportunity Employer.**

CHAIRMAN, OBSTETRICS-GYNECOLOGY UNIVERSITY OF TENNESSEE-MEMPHIS

The University of Tennessee College of Medicine is seeking a chairman of its Department of Obstetrics and Gynecology. Candidate should present evidence of clinical and academic competence to direct a department of 9 full-time faculty members with 21 residents in training. Interested individuals should contact **William C. North, M.D., Chairman, Search Committee, University of Tennessee College of Medicine, Memphis, Tenn. 38163. An Equal Opportunity/Affirmative Action Employer.**

CHEMISTRY DEPARTMENT HEAD

Nominations and applications are invited for Head of the Chemistry Department. Earned doctorate, teaching experience, and research publications are required. A strong administrative commitment will give new Head an opportunity to strengthen the Department. Preferred starting date 1 September 1975. Salary competitive. Please contact **Prof. C. D. Han, Chairman of Search Committee, Department of Chemical Engineering, Polytechnic Institute of New York, 333 Jay Street, Brooklyn, New York 11201. An Equal Opportunity/Affirmative Action Employer.**

DEAN, SCHOOL OF MEDICINE

The University of Utah is seeking a Dean for its School of Medicine. The candidate should have an established reputation for leadership in medical education, administration, and research. Interested persons are invited to submit application or nominations, including curriculum vitae and bibliography by 15 April 1975, to **David G. Bragg, M.D., Chairman Search Committee, Department of Radiology, University of Utah Medical Center, Salt Lake City, Utah 84132. The University of Utah is subject to the requirements of Executive Order 11246 and is an Affirmative Action Employer. All interested persons are encouraged to apply.**

DIRECTOR, DEPARTMENT OF PSYCHIATRY. Innovative, dynamic, capable teacher, board-certified, to head up an expanding, comprehensive Psychiatric Service in a large medical center. St. Joseph's Hospital and Medical Center is a 540-bed hospital, 46 of which are in the Department of Psychiatry. The Department is community-oriented; has an active Outpatient Department, Partial Hospitalization and Vocational Rehabilitation Programs, and Outreach Clinics; and is a major component of the Paterson Community Mental Health Center. The hospital is a major affiliate of the New Jersey Medical School and also of the Department of Psychology of Fairleigh Dickinson University. Candidates for this position should have wide administrative experience in a general hospital with community mental health orientation and qualify for an appointment as Associate Professor or Professor. The successful applicant will be involved in the development of a residency program. Salary and benefits open. Please respond in writing to: **Thomas E. Potter, M.D., Chairman, Search Committee, c/o St. Joseph's Hospital and Medical Center, 703 Main Street, Paterson, N.J. 07503. An Equal Opportunity Employer.**

Associate Division Director

Radiological and Environmental Research Division, Argonne National Laboratory

Applications and nominations are invited for the position of Associate Director of the Radiological and Environmental Research Division of the Argonne National Laboratory. The Laboratory is operated by the University of Chicago under contract with the University of Chicago, the Argonne Universities Association, and the United States Energy Research and Development Administration. The position carries the responsibility for all of the environmental activities of the Division, which includes programs in terrestrial and aquatic ecology and atmospheric physics. A candidate should have a record of distinguished achievement in ecological, limnological, or meteorological research, and the ability to give scientific and administrative leadership to a growing environmental research organization.

Applications or nominations should be submitted by May 1, 1975, to **Dr. R. E. Rowland, Director, Radiological and Environmental Research, Argonne National Laboratory, Argonne, Illinois 60439.**



Argonne National Laboratory

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POSITIONS OPEN

FAIRLEIGH DICKINSON UNIVERSITY SCHOOL OF DENTISTRY is searching for a full-time **Chairman** and a faculty member in the Department of Human Anatomy. Teaching responsibilities encompass gross anatomy, neuroanatomy, histology, and embryology. Prior teaching experience in a Dental or Medical School is required. Interested individuals should send curriculum vitae in confidence to **Acting Chairman, Department of Anatomy, Fairleigh Dickinson University, School of Dentistry, 110 Fuller Place, Hackensack, New Jersey 07601. An Equal Opportunity Employer.**

THE UNIVERSITY OF IOWA IS SEEKING A UNIVERSITY COMPUTER CENTER DIRECTOR

Responsible for planning, direction and supervision of the activities of the Computer Center. Applications with résumés and nominations should be sent to: **D. C. Priestersbach, Vice President for Educational Development and Research, The University of Iowa, Iowa City, Iowa 52242.**

The University of Iowa is an Equal Opportunity Employer.

WOODS HOLE OCEANOGRAPHIC INSTITUTION DEPARTMENT OF GEOLOGY AND GEOPHYSICS

Applications are invited for the post of **Chairman** in the Department of Geology and Geophysics at the Woods Hole Oceanographic Institution. The applicant should be a recognized leader in marine geological and geophysical sciences and should have a background in both research and education. The applicant should have a broad range of interests and experience, including research activities at sea.

Please send letters of application, curriculum vitae, and the names and addresses of three references to: **Dr. John M. Hunt, Chairman of Search Committee, Woods Hole Oceanographic Institution, Woods Hole, Mass. 02543. An Equal Opportunity/Affirmative Action Employer.** Closing date for applications is 30 April 1975.

SOUTHERN ILLINOIS UNIVERSITY SCHOOL OF MEDICINE is seeking enthusiastic and creative faculty to teach first-year medical students in an integrated organ-system-oriented, self-instructional curriculum. Research and graduate teaching are also encouraged. A completed doctorate is required before an application can be considered, and postdoctoral training is desirable. Strong preference will be given to individuals having prior experience (as students or faculty) with medical education. Rank is generally open, dependent upon experience.

The following positions are available now. Applications should be submitted before 11 April 1975:

1) **PHARMACOLOGIST.** Interest in pharmacokinetics, transport, drug-metabolism; cardiovascular, renal, or autonomic pharmacology preferred.

2) **NEUROANATOMIST.** Secondary strengths in human gross anatomy, histology, and embryology desirable.

3) **MEDICAL ANTHROPOLOGIST OR MEDICAL SOCIOLOGIST.** Expert in cultural and social aspects of disease. Prior medical school experience is essential. Experience in organization of behavioral science programs also helpful. Secondary strength in physical anthropology is desirable.

The following positions may be available, pending outcome of current negotiations. Inquiries are invited:

1) **NEUROSCIENTIST.** Strengths in human neuroanatomy and neurophysiology required.

2) **GENERAL PHYSIOLOGIST.** Requires experience and competence in teaching all human organ-system physiology (except neurophysiology) to medical students. Special competence in gastrointestinal physiology preferred.

Additional openings in anatomy, biochemistry, and clinical psychology are anticipated, but not yet approved.

Submit curriculum vitae and three letters of recommendation to:

Dr. John H. Caster
Coordinator—Academic Appointments
Box 3, School of Medicine
Southern Illinois University
Carbondale, Ill. 62901

An Equal Opportunity/Affirmative Action Employer

28 MARCH 1975

POSITIONS OPEN

CLINICAL CHEMIST—Doctoral degree and experience in general clinical chemistry procedures, toxicology, and endocrinology is required for faculty appointment as Assistant Professor of Pathology in Residence. Responsibilities will be for service work within the Clinical Laboratories, teaching of residents and graduate students with opportunity for research.

CLINICAL PATHOLOGIST—Board certified with additional training or experience in hematology and blood banking—to assist in laboratory work, medical school, residency, and technologist training program—research interests required. Appointment as Assistant Professor of Pathology in Residence.

CLINICAL LABORATORY IMMUNOLOGIST—Board certified Clinical Pathologist or Ph.D. Immunologist experienced in Clinical Laboratory Immunology; to help develop and expand section of laboratories. Primary emphasis on cellular and cancer immunology. Appointment as Associate Professor of Pathology in Residence with possible joint appointment in Department of Microbiology and Immunology.

Applicants will be reviewed without regard to race, color, sex, or creed. *The University of California is an Equal Opportunity Employer.* Send curriculum vitae to: **George S. Smith, M.D., Department of Pathology, School of Medicine, University of California, Los Angeles, Calif. 90024.**

U.S. ENVIRONMENTAL PROTECTION AGENCY

RESEARCH PHYSICIANS

Employment opportunities available immediately in the Human Studies Laboratory, Research Triangle Park, North Carolina, offering unique opportunities to pursue an active research career with broad implications for environmental control policy in this country.

DIRECTOR OF CLINICAL RESEARCH - Responsible for ongoing clinical laboratory research to detect and characterize the influence of environmental pollutant exposures on the health and performance of human beings. Must be board certified in Internal Medicine, Pediatrics, or Preventive Medicine and eligible for medical licensure in the State of North Carolina. Research experience in some aspect of environmental medicine and administrative experience in organizing and directing medical research programs is highly desirable.

PULMONARY PHYSICIAN - Direct the design and conduct of clinical studies to determine the influence of air pollution on lung function. Must be board eligible in Internal Medicine or Pediatrics with subspecialty training and research experience in chest medicine and pulmonary physiology.

CLINICAL IMMUNOLOGIST - Be responsible for studies describing the influence of environmental pollution on human immune status. Must be board eligible in Internal Medicine, Pediatrics, Preventive Medicine or Pathology with subspecialty training and research experience in immunology or microbiology.

EPIDEMIOLOGIST-PHYSICIAN - Furnish medical and epidemiologic expertise for the design and execution of population studies of the effects of environmental pollution on human health. Must have an M.D. degree with research experience as well as an advanced degree in epidemiology.

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THE TRUSTEES OF ARGONNE UNIVERSITIES ASSOCIATION

invite nominations and applications for the position of

PRESIDENT

Argonne Universities Association (AUA) is a corporation consisting of 30 Member universities and is incorporated under the General Not-For-Profit Corporation Act of the State of Illinois for the purpose of fostering scientific research by formulating, approving, and reviewing policies and programs of the Argonne National Laboratory and by conducting or participating in the direction, operation, and development of other scientific research laboratories and similar facilities, within or without the State of Illinois, upon approval of a majority of the Member universities.

AUA currently participates in a tripartite contract among The University of Chicago and the U.S. Energy Research and Development Administration (ERDA) to carry out AUA's obligations in the governance of the Argonne National Laboratory. Under the management responsibility of The University of Chicago, the direction of the Argonne National Laboratory is the responsibility of the Laboratory Director.

The President of AUA is the chief executive officer of AUA and is directly responsible to its Board of Trustees. The President is responsible for carrying out the contractual obligations of AUA with regard to the Argonne National Laboratory; for working with Member universities in fulfillment of AUA's purposes; and for following and, where appropriate, assisting in the emergence of national policies and programs in ERDA.

The President of AUA must have a talent for leadership and must have demonstrated administrative skills through appropriate experience in governmental or university work or both. He or she must be a college graduate with at least one or more degrees in a discipline related to the activities of the Argonne National Laboratory. The position will be filled at the earliest possible date.

Nominations and applications should be sent by April 1, 1975 to:

Dr. Franklin H. Westervelt
Chairman

Advisory Committee on the
Selection of the AUA President
Argonne Universities Association
P.O. Box 307
Argonne, Illinois 60439

Nominations and applications from members of minority groups and women are especially solicited.

POSITIONS OPEN

ECOLOGIST

One-year appointment beginning 1 September 1975 to replace assistant professor on leave. Responsibilities include teaching laboratory sections of large, undergraduate course in ecology and participation in graduate course in environmental biology. Knowledge of soil science preferred. Applicants should submit curriculum vitae by 15 April 1975 to **Dr. Stephan R. Taub, Chairman, Department of Biology, George Mason University, Fairfax, Virginia 22030. George Mason University is an Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION AS ASSISTANT PROFESSOR IN ENVIRONMENTAL GEOLOGY available for fall 1975. Ph.D. required and professional experience desired. Teaching duties will include teaching and developing courses in environmental geology and sharing in teaching related and introductory level geology courses. Salary dependent upon qualifications. **Colorado State University is an Equal Opportunity Employer.** Send résumé and names of three references to **Chairman, Environmental Geology Search Committee, Department of Earth Resources, Colorado State University, Fort Collins, Colo. 80523**, no later than 1 May 1975.

FACULTY POSITION IN UROLOGIC MICROBIOLOGY/IMMUNOLOGY OF INFECTION:

Assistant Professor Position opening summer or fall 1975 for individual possessing Ph.D. and work/research background in immunology of infection. Undergraduate/graduate teaching and research opportunities exist in the Division programs. Send curriculum vitae with salary requirements to **Arthur T. Evans, M.D., Director, Division of Urology, Room 2507, M.S.B., University of Cincinnati Medical Center, Cincinnati, Ohio 45267.**

FACULTY POSITION—LABORATORY ANIMAL MEDICINE

Faculty position available in laboratory animal medicine at Yale School of Medicine, Section of Comparative Medicine. Candidate must be qualified in veterinary internal medicine or laboratory animal medicine and have active clinical research interests. Salary and rank commensurate with experience. Submit résumé to **Dr. Albert M. Jones, Professor and Chief, Section of Comparative Medicine, 375 Congress Avenue, New Haven, Conn. 06510. Yale University is an Equal Opportunity/Affirmative Action Employer.**

The Department of Animal Science, University of California, Davis, seeks applications for faculty positions in the following areas:

ANIMAL BEHAVIOR: An individual trained (Ph.D. in psychology, behavior, or ethology) or with considerable experience in behavior research (for example, Ph.D. in physiology or genetics) for a position (level and salary to be determined) to develop undergraduate and graduate teaching and research programs in behavior of livestock species (beef and dairy cattle, horses, sheep, and swine) in range and confined-quarters settings. There will be opportunities for collaborative and independent research in one or more of the following areas: social, adaptive, maternal, or feeding behavior. Familiarity with large animal husbandry desirable. Position is available 1 July 1975 but could be held open longer for the proper individual.

ANIMAL GENETICS: Assistant Professor of Animal Science. Applicants should have Ph.D. in genetics or animal breeding and population genetics. Strong interest, training and/or experience in animal science and strong interest in both undergraduate and graduate teaching in animal genetics required. Research responsibilities emphasize development of a beef breeding program. Research with a lab species also encouraged. Open 1 July 1975.

In addition to these positions, the Department plans to make one to two teaching appointments for the 1975-1976 academic year (with possibility of a second year) and invites applications from persons qualified in the following areas: lactation-milk synthesis; equine nutrition and production; zoo or laboratory animal management; livestock judging. Qualifications include the Ph.D. in an appropriate discipline (applicants with the M.S. and extensive relevant experience will be considered for the last two listed areas).

Applicants should submit by 1 May 1975 to assure consideration, a curriculum vitae, transcripts, and bibliography, and request that three letters of recommendation be sent to **G. E. Bradford, Chairman, Department of Animal Science, University of California, Davis, Calif. 95616. The University of California is an Equal Opportunity and Affirmative Action Employer, and invites applications from women and members of minority groups.**

POSITIONS OPEN

FACULTY POSITIONS

The University of Missouri-Columbia School of Medicine has vacancies for faculty positions in the Departments of Anesthesiology, Biochemistry, Microbiology, Nutrition and Dietetics, Ophthalmology, Pharmacology and Psychiatry. Send inquiries to department chairman, **University of Missouri-Columbia School of Medicine, Columbia, Mo. 65201. An Equal Opportunity Employer.**

FACULTY POSITIONS— PATHOLOGY DEPARTMENT

1) **Assistant Professor:** Pathologist-investigator specializing in endocrinology and steroid chemistry. Service responsibilities for steroid and hormone laboratory.

2) **Assistant Professor in Residence:** Board certified pathologist-investigator specializing in pulmonary disease, with background in cellular pathology and biochemistry.

Please send curriculum vitae and list of publications to **Averill A. Liebow, M.D., Chairman, Department of Pathology, University of California, San Diego, La Jolla, California 92037. The University of California is an Affirmative Action/Equal Opportunity Employer.**

FACULTY POSITION IN DAIRY (ANIMAL) SCIENCE: 75 percent teaching, 25 percent research; 12-month full-time appointment, Ph.D. required, Effective 15 July 1975. Person will teach and advise undergraduate students. Contact **C. F. Foreman, 123 Kildee Hall, Iowa State University, Ames, Iowa 50010. Iowa State University is an Equal Opportunity/Affirmative Action Employer.**

FLUID DYNAMICS

Applications are invited for a 1-year position as a Visiting Assistant Professor in the field of fluid dynamics. We encourage applications from candidates with interests in one of the following areas: geophysical fluid dynamics, astrophysical fluid dynamics, hydrodynamic stability, and turbulence. Current departmental work in fluid dynamics includes dynamics of large lakes, numerical modeling of local weather patterns, waves in the solar atmosphere, processes of vortex generation, and coherent structures in turbulence. The successful candidate will be expected to teach one course each semester and to conduct research in some branch of fluid dynamics. Interested applicants should send a résumé and the names of three references to **Alfred Clark, Jr., Chairman, Department of Mechanical and Aerospace Sciences, University of Rochester, Rochester, N.Y. 14627. Full consideration will be given to all qualified candidates in accordance with the University of Rochester's Affirmative Action Program.**

DEPARTMENT HEAD

CSU is seeking candidates for Head, Department of Earth Resources. Qualifications include demonstrated administrative and leadership ability in a multidisciplinary group. Department activities involve teaching, research, and public service in Geology, Water Resources, Remote Sensing, and Bioclimatology. Applicant should have a degree in the natural resource disciplines or in a closely related natural sciences field. Salary commensurate with experience and qualifications. Deadline for applications is 25 April. Position may be filled 1 July; no later than 20 August.

Send application and résumé to:

Mr. Jack Barrows
Chairman, Search Committee
College of Forestry and Natural Resources
Colorado State University
Fort Collins, Colorado 80523

An Equal Opportunity/Affirmative Action Employer

INSTRUCTOR OR ASSISTANT PROFESSOR OF MICROBIOLOGY

The University of Michigan Medical School is seeking D.V.M., Ph.D.; D.V.M.; or Ph.D. with interest and specialized training in veterinary clinical microbiology. ACVM certification in Microbiology desirable. Will direct Microbiology section of the Diagnostic Laboratory of the Unit for Laboratory Animal Medicine. Will participate in postdoctoral training of residents; in the education of graduate students in animal models for biomedical research and of Medical students in microbiological aspects of comparative medicine and pathology. Will conduct independent research in area(s) relevant to laboratory animal medicine such as amphibian microbiology. Code #200HO. Please send résumé to **Box 148, SCIENCE, A Nondiscriminatory Affirmative Action Employer.**

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IMMUNOLOGIST

Doctorate level or equivalent experience biomedical scientist with training and experience in immunology or immunochemistry. To conduct active, independent research in tumor cell immunobiology or immunobiochemistry and to interact in the existing interdisciplinary carcinogenesis program. Also excellent opportunity for interaction with biomedical scientists of many disciplines in the Biology Division and with personnel of the Molecular Anatomy Program in developing biomedical separations technology.

The Oak Ridge National Laboratory is operated by the Nuclear Division of Union Carbide Corporation for the Energy Research and Development Administration.

Oak Ridge offers ideal family living conditions and readily available outdoor and cultural activities. Send detailed résumé including salary requirements and transcripts to:



Dr. J. J. Pinajian
Employee Relations Division
Oak Ridge National Laboratory
P.O. Box X
Oak Ridge, Tennessee 37830

An Equal Opportunity Employer

FOOD AND NUTRITION

... a critical problem
... an important special issue
of SCIENCE

May 9, 1975 is the publication date for an important special issue of SCIENCE. This issue will be devoted exclusively to the world food supply, exploring the critical problems we face and ways to deal with them. General areas of discussion will be:

- The World Food Situation
- Development of Additional Supplies of Food
- Applied Research on Food Production
- Nutrition and Food
- Basic Research

Among the contributing authors: Thomas T. Poleman, Cornell University / Harry Walters, World Bank / Roger Revelle, Harvard University Center for Population Studies / Pierre R. Crusson, Resources for the Future / William Ennis, U.S. Department of Agriculture / Steve Rawlins, University of California at Riverside / Norman Brown, National Academy of Sciences / Derrick Jelliffe, UCLA School of Medicine / Israel Zelitch, Agricultural Experiment Station / Ralph Hardy, Dupont Company Experiment Station.

If you are concerned with food and nutrition problems, we urge you to read this issue of SCIENCE. Be sure to have an adequate supply on hand for yourself and your colleagues. Orders for additional copies at \$3 each will be accepted through 4/15/75. Use the form provided below or send your purchase order to AAAS, Dept. FI-1.

Please send me _____ copies of the May 9, 1975 *Science Food Issue* at \$3 per copy.

- ☐ Check or money order enclosed (payable to AAAS—no cash)
- ☐ Please bill me (applicable to orders totalling \$10 or more)

Name _____

Address _____

City _____

State _____

Zip Code _____

**AMERICAN ASSOCIATION for the
ADVANCEMENT of SCIENCE**—Department FI-1
1515 Massachusetts Avenue, N.W.
Washington, D.C. 20005

POSITIONS OPEN

IMMUNOLOGIST

Nonprofit laboratory seeking investigator to establish program in tumor immunology. All funding provided. Research only. Send résumé to

Dr. M. K. Patterson, Jr.
The Noble Foundation
Route 1, Ardmore, Oklahoma 73401

INDUSTRIAL HYGIENIST

The Department of Occupational Health, Graduate School of Public Health, University of Pittsburgh, is seeking an industrial hygienist for a faculty position. Applicants should have experience in industrial hygiene and an interest in research and teaching. Rank and salary are dependent upon qualifications. Applications, giving details of qualifications and experience, should be sent to: **Dr. John Frohlinger, Department of Occupational Health, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa. 15261.** An Equal Opportunity Employer.

INSTRUCTOR UNIT FOR LABORATORY ANIMAL MEDICINE

The University of Michigan Medical School is seeking a D.V.M. with interest and specialized training in laboratory animal medicine. ACLAM certification or eligibility essential. Will participate in the veterinary clinical service and laboratory support activities of the Unit for Laboratory Animal Medicine. Will participate in postdoctoral training of residents and in the education of graduate and medical students in the use and care of animals for research and in experimental animal surgery. Independent research is expected. Code #100HO. Send résumé to **Box 147, SCIENCE.** A Nondiscriminatory Affirmative Action Employer.

INSTRUCTOR MEDICAL AND BIOLOGICAL ILLUSTRATION

The University of Michigan, Department of Ophthalmology, is seeking candidate with special training and extensive background in all phases of photography, including ophthalmic external and fundus photography. Experience in teaching basic ophthalmic photography together with its application in medical illustration required. Knowledge of file system for retrieval or photographic information. Experience in research programs utilizing photographic techniques desirable. Send résumé to **Box 149, SCIENCE.** A Nondiscriminatory/Affirmative Action Employer.

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

NEUROANATOMIST

To work with multidisciplinary sensory systems research group. Expertise in electron microscopy desired. Experience in sensory system neuroanatomy preferred. Doctoral degree required. Large metropolitan university-based health center. Interested parties forward curriculum vitae to

Box 150, SCIENCE

NUTRITION. A position is available, beginning 1 July 1975, for a senior nutritional scientist highly accomplished in the fields of energy regulation and feeding behavior. Duties will include about equal parts of research and teaching. Candidates may apply by sending a letter indicating their interest, together with a curriculum vitae and the names of three referees, to the undersigned. *The University of Pennsylvania is an Equal Opportunity Employer.* **Dr. D. S. Kronfeld, Chief, Section of Nutrition, Department of Clinical Studies, School of Veterinary Medicine, University of Pennsylvania, Kennett Square, Pa. 19348.**

POSITIONS OPEN

OVERSEAS

Department of Biology, American University of Beirut, invites applications for the position of Assistant or Associate Professor in (i) Ecology—Marine and Terrestrial, (ii) Marine Microbiology with background in Chemical Oceanography, or (iii) General Botany, Non-Vascular Plants and Plant Physiology. Ph.D. required; postdoctoral and teaching experience preferred. Teaching/research position available October 1975. Please send curriculum vitae with names of three references and summary of research plans to **Chairman, Department of Biology, American University of Beirut, Beirut, Lebanon,** with copy to **Personnel Services, American University of Beirut, 380 Madison Avenue, New York, N.Y. 10017.** An Equal Opportunity Employer.

PEDIATRIC NEUROLOGIST. A large university program for developmentally handicapped children, involved in interdisciplinary training of students from a dozen professional disciplines, primarily at the graduate and postgraduate levels, desires a fully qualified pediatric neurologist to head its pediatrics and neurology section. While this will be the primary setting, the incumbent will also spend a major portion of his time in teaching in the clinics and wards of the university hospital and will hold academic appointments in the Departments of Pediatrics and of Neurology. Excellence in teaching and research potential will be primary considerations. Position is available 1 July 1975. **Harrie R. Chamberlin, M.D., Director, Division for Disorders of Development and Learning, Child Development Institute, University of North Carolina, Chapel Hill, N.C. 27514 (Telephone: 919-966-4417).** An Equal Opportunity/Affirmative Action Employer.

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

PHYSIOLOGIST (NEUROPHYSIOLOGY/NEUROENDOCRINOLOGY) Ph.D. Faculty position. Department of Physiology, University of Arkansas School of Medicine, 4301 West Markham Street, Little Rock, Arkansas 72201. *Affirmative Action/Equal Opportunity Employer.* Excellent research and teaching opportunities. Postdoctoral research training and experience desired. Apply to **Dr. John Whitney, Chairman.**

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

THE UNIVERSITY OF WISCONSIN—MADISON. The Immunobiology Research Center invites application for several **postdoctoral positions** to participate in a 3-year study of **BIOCHEMICAL ASPECTS OF MEMBRANES AND TUMOR IMMUNOLOGY.** Ph.D. in Biochemistry or any related field with strong background in Biochemistry essential. Applications are encouraged from those who have recently completed the Ph.D. Send application, résumé, and references to: **J. J. Clauson, Immunobiology Research Center, 1150 University Avenue, Madison, Wisconsin 53706.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSTDOCTORAL POSITION on or after 1 June 1975, Chemistry Department. Photochemical labeling of enzyme active sites. Résumé to **Personnel Office, Code T18A, 167 Whitmore, University of Massachusetts, Amherst 01002.** An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION available immediately for the study of ribosomes bound to chloroplast thylakoid membranes: activity, mode of attachment, and release mechanism. Candidates should have a Ph.D. and training or interest in protein synthesis mechanisms and/or organelle development, plant biochemistry. Salary range \$9000 to \$9500 for a 1-year appointment. Contact: **Dr. A. T. Jagendorf, Section of Genetics, Development and Physiology, Plant Science Building, Cornell University, Ithaca, N.Y. 14853.**

Cornell University is an Equal Opportunity Employer with an Affirmative Action Program.

POSTDOCTORAL FELLOWS IN TUMOR AND TRANSPLANTATION IMMUNITY

Ph.D. in Biochemistry or Immunology
Available July–September 1975

Membrane Biochemistry: Isolation, purification, quantitation of tumor-specific antigens.

Cellular Immunology: Characterization of cells engaged in cytotoxicity, suppression and memory by membrane constituents.

Mediators of CMI: Purification, assay and molecular mechanisms.

Send résumé to: **Dr. Z. Lucas, Transplantation and Tumor Immunology Laboratory, Department of Surgery, Stanford University School of Medicine, Stanford, California 94305.**

UNIVERSITY OF QUEENSLAND READER IN COMPUTER SCIENCE

Higher degree (or equivalent) and significant teaching and research experience in computer science. Research facilities include departmental minicomputers, logic laboratory, graphics displays, and multiple-access to the University's extensively developed PDP10 (Quote Reference No. B16175). Salary: \$A19,500 per annum.

Other Benefits: Superannuation similar to FSSU, housing assistance, study leave, traveling, and removal expenses.

Additional information and application forms are obtainable from the **Staff Officer, University of Queensland, St. Lucia, Q.4067 Australia,** with whom applications close on 25 April.

RESEARCH ASSOCIATES

Two positions available 1 July 1975 at the University of Georgia Marine Institute, Sapelo Island, Georgia. **Biochemist:** to work on basic problems in marine bioluminescence in collaboration with bioluminescence group at the University of Georgia. **Algal Physiological Ecologist:** to investigate carbon flow in salt marsh benthic diatom community with W. M. Darley. Send curriculum vitae and three letters of reference to **Dr. David W. Menzel, Director, Skidaway Institute of Oceanography, P.O. Box 13687, Savannah, Ga. 31406.** *The University of Georgia is an Equal Opportunity/Affirmative Action Employer.*

RESEARCH SCIENTIST. Capable of doing field studies on the environmental impact of dredge disposal. Experience and extensive research background in water quality, aquatic chemistry, and aquatic biology. Master's required and significant work toward Ph.D. preferred. Documented ability to do original research and capable of coordinating and directing research team of six to ten individuals required. Salary open, available 1 May 1975. Applications accepted until 11 April 1975. Indication of ethnicity and sex for Affirmative Action statistical purposes is requested but not required. Send letter detailing your salient interest and current curriculum vitae to:

Chairperson
Environmental Sciences Recruitment Committee
The University of Texas at Dallas
P.O. Box 688 Station 15B-10
Richardson, Texas 75080

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

Technical Field Representatives BIOCHEMICALS

DUTIES: Call on universities, medical schools and government research facilities. Represent a manufacturer of very high quality research biochemicals. You will sell products developed by approximately 200 PhD's doing biochemical research in Europe. Our excellent reputation is known worldwide, but we need to have our story told in this country.

ABILITIES REQUIRED: Should have either an advanced degree in biochemistry, or a good sales record with some biochemical background. Should be familiar with university type research facilities.

Must enjoy meeting all types of people, both socially and on a business level. Will have to converse with researchers about their work, and use "soft-sell" techniques. But you must also be highly motivated and aggressive in organizing a territory and developing sales.

We will train you in the home office for two to three months.

LOCATIONS: *Washington, D.C.* home base, with responsibility for the entire east coast south of Penna. 70% of travel will be within 250 miles of Washington. Biochemists familiar with the operations of the NIH are encouraged to apply. Will sell out of warehouses in Atlanta, Ga. and Connecticut.

Northeastern States with 70% of travel within 250 miles of New York City. Will sell out of warehouses in Connecticut and Indiana.

SALARY: Excellent, based on ability, plus bonus, company car, benefits and expenses.

Send resume and salary requirements to Mr. Perkins, Boehringer Mannheim Corp., 219 East 44th Street, 8th fl., New York, N.Y. 10017

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DIRECTOR NATIONAL INSTITUTE OF DENTAL RESEARCH

The National Institutes of Health invites nominations and applications for the position of Director, National Institute of Dental Research (NIDR). This Institute is one of eleven research institutes within the National Institutes of Health, Public Health Service. The NIDR conducts, fosters, and coordinates basic and clinical research into the causes, prevention, diagnosis, and treatment of oral and dental diseases and conditions.

Applicants should have a doctorate in a science or dentistry or both and demonstrated achievement and stature in a relevant biomedical discipline. The D.D.S. degree will not be considered an absolute requirement. In addition, the position requires a high degree of judgment, leadership, and executive ability.

Position in top U.S. Civil Service grade or comparable PHS Commissioned Officer grade, located in Bethesda, Maryland. Letters of application with curriculum vitae and lists of publications and references should be sent to the Chairman of the Search Committee:

Leon Jacobs, Ph.D.

Associate Director for Collaborative Research

NATIONAL INSTITUTES OF HEALTH

Public Health Service
Building 1, Room 103
Bethesda, Maryland 20014

Responses must be received by 15 April 1975
to be considered.

An Equal Opportunity Employer

The nuclear energy research center in Jülich, Germany ("Kernforschungsanlage Jülich GmbH"), is looking for several qualified scientists to conduct research in organic geochemistry and its application to petroleum exploration.

ORGANIC CHEMIST

should have good educational background and about 2 years of experience in organic mass spectrometry (GM/MS techniques).

GEOCHEMIST/CHEMIST

should be familiar with analytical techniques applicable to petroleum geochemistry, especially gas chromatographic methods.

GEOLOGIST

should have well-rounded background in statistics and computer application in geology. Experience in interpretation of geophysical information is desired.

The "Kernforschungsanlage Jülich is a government-owned research center located in Jülich (30 miles northwest of Cologne, Germany). Annual salaries for the positions offered range from 40.000 to 60.000 Deutsche Mark, depending on the qualifications of the candidate. Applications stating full personal and professional details and the names of two references should be submitted to:

KERNFORSCHUNGSANLAGE JÜLICH GmbH
attn: Personalverwaltung—Personalplanung

D-517 Jülich
Postfach 365

POSITIONS OPEN

POSTDOCTORAL POSITION. The Veterans Administration Hospital is inviting applications from postdoctoral-level scientists to assist with research programs in the areas of (i) molecular mechanisms of chemical carcinogenesis and (ii) metabolism of chemical carcinogens. Applicants should possess training in molecular biology or analytical biochemistry. Interested persons should send a curriculum vitae and three names for references to: **Dr. K. David Straub, Associate Chief of Staff for Research, VA Hospital, 300 East Roosevelt Road, Little Rock, Ark. 72206.**

SENIOR RESEARCH POSITION. Applications and nominations are invited for a responsible position at this nonprofit research institute with excellent laboratory facilities, situated centrally in Boston. Candidates should be established scientists with an active research program in any of such areas as immunology, cancer, neurobiology, and hormonal regulation. The emphasis is on basic research. The Institute would provide adequate space and, if necessary, initial financial support. The selected candidate would be expected to provide scientific leadership, develop an effective, viable research program, and obtain funding from granting agencies. Send résumés and names of references to **Mrs. L. Clancy, Boston Biomedical Research Institute, 20 Staniford Street, Boston, Massachusetts 02114.** An Equal Opportunity Employer. Applications from women and members of minority groups are especially welcome.

ENVIRONMENTAL DEFENSE FUND STAFF SCIENTIST. EDF Denver office. Ph.D. required, disciplines of hydrology, geology, or environmental engineering preferred, interest in environmental issues, generalist capabilities essential. Work will concentrate on energy resource extraction and conversion and water problems in the Rocky Mountain region. Salary comparable to government/academic positions. Reply with résumé to: **Environmental Defense Fund, 1130 Capitol Life Center, 16th at Grant Street, Denver, Colorado 80203.**

TISSUE TYPING RESEARCH. Research Associate position in histocompatibility, immunology, and genetics. M.S. or Ph.D. with laboratory experience in serology and microscopy. Excellent opportunity for career in new field. Salary \$9972 or more depending on qualifications. Send curriculum vitae and references to: **Personnel Department, University of Texas Health Science Center at Dallas, 5323 Harry Hines Blvd., Dallas, Texas 75235.** An Equal Opportunity Employer.

VERTEBRATE PHYSIOLOGIST/GENETICIST. Two academic positions are open in the fall 1975 at assistant, associate, or higher, Vertebrate Physiologist with research in Endocrine or Cardiovascular field. Geneticist with research in Cytogenetics. Curriculum vitae should include education, teaching experience, publications, references, and so forth. Salary commensurate with experience. Must possess ability to direct doctoral research. Send curriculum vitae to **Dr. J. N. Cannon, Department of Biology, St. John's University, Jamaica, N.Y. 11439.** An Equal Opportunity Employer.

VISITING APPOINTMENT THE UNIVERSITY OF WESTERN ONTARIO LONDON, CANADA DEPARTMENT OF PLANT SCIENCES

Applications are invited for a nonrenewable replacement appointment for 1 year at the Assistant or Associate Professor level in the area of Genetics. Successful candidates should anticipate undergraduate teaching responsibilities concerned with the principles of Genetics. Research facilities are available. Appointment will commence 1 July 1975. Salary and rank commensurate with qualifications. Ph.D. required.

Applications together with a curriculum vitae and three names of referees should be sent by 30 April to:



**J. B. Bancroft, Chairman
Department of Plant Sciences
The University of Western
Ontario
London, Ontario, N6A 3K7
Canada**

POSITIONS OPEN

VERTEBRATE ZOOLOGIST

Assistant Professor beginning fall 1975. To teach Mammalogy and/or Ornithology to upper division students. Ph.D. required, description of position available on request. Apply by 15 April to: **Doyle E. Anderegg, Head, Department of Biological Sciences, University of Idaho, Moscow, Idaho 83843.** An EO/AA Employer.

VETERINARY PATHOLOGIST. Independent contract research laboratory has an immediate opening for a pathologist experienced in gross and microscopic pathology of dogs, primates, and rodents. Specific experience in toxicologic pathology desirable. Salary commensurate with experience. We are located in a very desirable area of southwestern Michigan just 10 miles from Kalamazoo which offers excellent living conditions and cultural activities. Send detailed résumé to: **J. M. Ragen, Director, Personnel, International Research and Development Corp., Mattawan, Michigan 49071.** An Equal Opportunity Employer.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN A MULTIDISCIPLINARY PROGRAM IN CRANIOFACIAL ANOMALIES

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

POSTDOCTORAL TEACHING FELLOWSHIPS

Two postdoctoral teaching fellowships require Ph.D., specialty areas desired: one—ecology, one—physiology. Successful applicants must demonstrate desire to excel in teaching. Appointment may be renewed for a second year. Send complete applications, including curriculum vitae, transcripts, and three letters of reference, to: **Dr. Charles M. Vaughn, Chairman, Department of Zoology, 282 Upham Hall, Miami University, Oxford, Ohio 45056.** An Equal Opportunity Employer.

THROMBOSIS RESEARCH CENTER FELLOWSHIP. M.D. or Ph.D. 1 July 1975. Previous experience in working with contractile mechanisms. Helpful to have special training in contraction energetics and/or molecular biology of secretion. U.S. citizenship or permanent residency status a prerequisite. Contact **Dr. H. Holmsen, SCOR Thrombosis, Temple University School of Medicine, 3400 North Broad St., Philadelphia, Pa. 19140.** An Equal Opportunity/Affirmative Action Employer.

COURSES

BIOLOGICAL ELECTRON MICROSCOPY COURSE. 9 June through 21 June. Maximum enrollment 20. Students will learn about and use the most modern techniques and apparatus through lectures, laboratory experience, and demonstrations. Course covers principles, preparation, practical use, photographic principles, and practice interpretations and special topics. Fee: \$400. Dormitory space available. For information write: **Director, Continuing Professional Education, Drexel University, 32nd and Chestnut Streets, Philadelphia, Pa. 19104.**

SUMMER COURSES

MARINE SCIENCE PROGRAM, summer 1975, Massachusetts Maritime Academy. Undergraduate/Graduate: 30 June to 18 July—Marine Invertebrates, Marine Ecology, General Oceanography; 21 July to 8 August—Marine Biology, Ichthyology, Coastal Zone Management. For high school juniors and seniors, both sessions: Fundamentals of Oceanography and Marine Biology. Outstanding faculty, facilities, waterside campus. Beaches, culture sites, summer theater, Woods Hole Marine Biological Laboratory is nearby. Dormitory-meal plan. Write: **Director, Marine Sciences Program, Massachusetts Maritime Academy, Buzzards Bay, Mass. 02532.**

TRAINING SESSION

TRAINING SESSION

Two-Week session in **Electron Microscopy for the Biological, Medical, and Health Sciences**, 16-27 June. Lectures and laboratory experience in electron microscopy. Guest Lecturers. Limited enrollment to permit individualized instruction. Tuition \$375. Room: \$52 for single and \$38 for double for the session. For further information and application form write to: **Dr. B. L. Redmond, Program Director, Department of Biology, State University of New York, New Paltz, N.Y. 12561.**

REQUEST FOR PROPOSALS

CLINICAL EVALUATION. Phase III Clinical Evaluation of levo-alpha-acetylmethadol. The National Institute on Drug Abuse is soliciting proposals from qualified organizations having the necessary capabilities and facilities to perform a large-scale, 2-year, clinical evaluation of the opioid drug, levo-alpha-acetylmethadol, in the treatment of chronic opioid dependence. The task will involve: (i) filing the Investigational New Drug (IND), (ii) manufacture of adequate quantities of the bulk drug, (iii) preparation of the required formulation for clinical applications, (iv) maintenance of adequate supplies of the formulated drug to complete Phase III, (v) enlistment of a sufficient number of clinics to assure complete 40-week clinical data on 2000 patients and a control group, each requiring compliance with DHEW regulations for the protection of research subjects, and (vi) medical monitoring of safety data and prompt and thorough evaluation of all adverse reactions. This study is directed toward the development of this drug as an adjunct in the treatment of opioid dependence. The data collected will form a part of the eventual New Drug Application. Organizations submitting proposals will be evaluated on the basis of experience in clinical studies of this magnitude, availability and competence of personnel, drug production facilities, understanding of the problem and of this area of research, as well as the technical plan submitted.

Request for proposal 271-75-3042 is available. Proposals will be due on or about 30 April 1975. Firms interested in receiving a copy of the RFP are invited to submit a written request (telephone requests will not be honored) to be received in the issuing office no later than ten (10) days from the date of publication of this notice. The availability of this RFP is limited and will be furnished on a first received, first served basis until the supply is exhausted. Written request shall be forwarded to **Contracting Officer, National Institute on Drug Abuse, Rockwall Building, Room 209, 11400 Rockville Pike, Rockville, Maryland 20852.**

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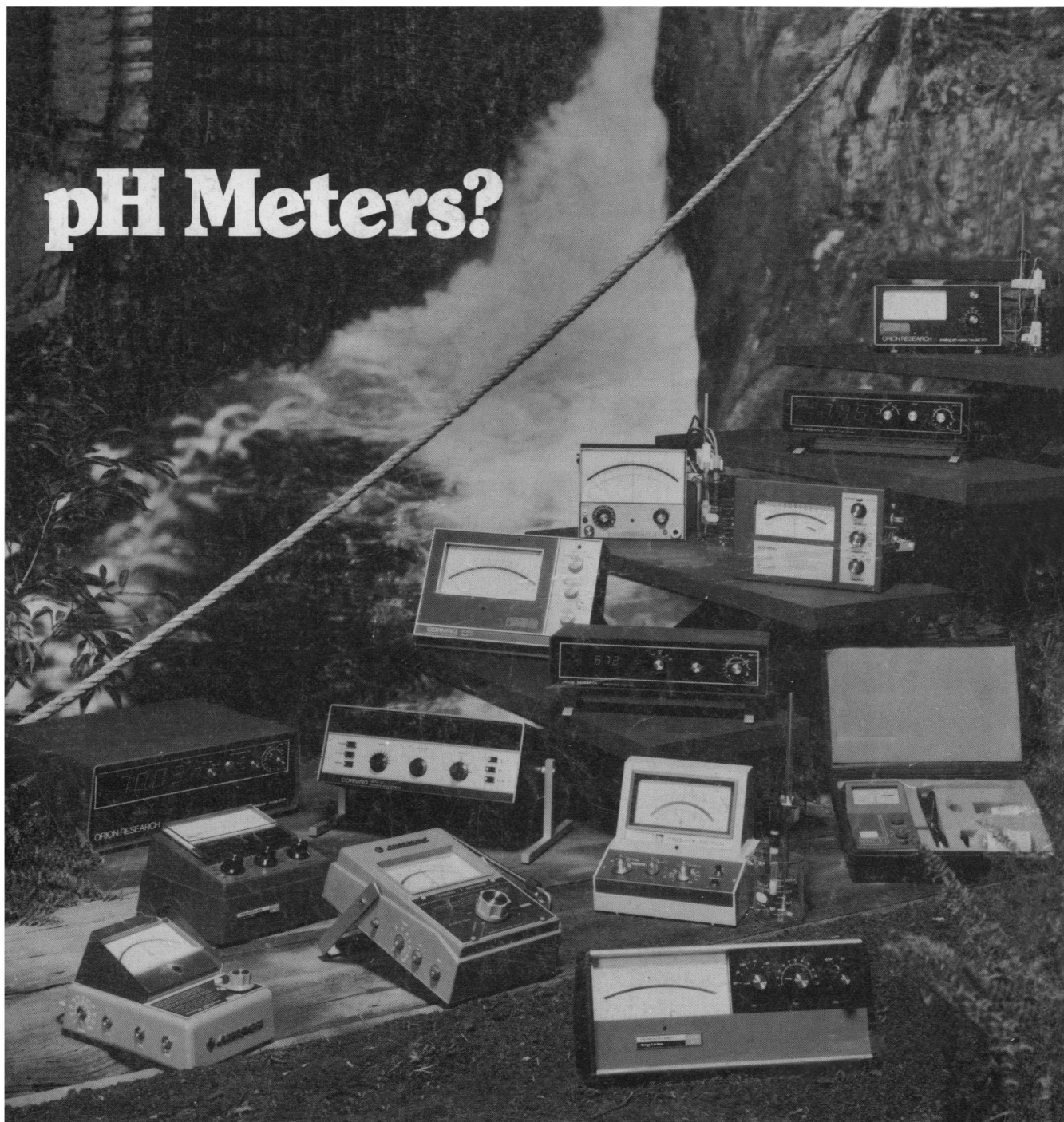
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