

Radiation and Cellular Control Processes. Proceedings of a conference, Giessen, Germany, Oct. 1975. J. Kiefer, Ed. Springer-Verlag, New York, 1976. xiv, 322 pp., illus. \$29.60. Proceedings in Life Sciences. *To order this book circle No. 418 on Readers' Service Card*

Readings about the Social Animal. Elliot Aronson, Ed. Freeman, San Francisco, ed. 2, 1976. xviii, 414 pp., illus. Cloth, \$14; paper, \$6.50. A Series of Books in Psychology.

Red Children in White America. Ann H. Beuf. University of Pennsylvania Press, Philadelphia, 1977. xii, 156 pp. \$9.

Regional Differences in the Lung. John B. West, Ed. Academic Press, New York, 1977. xiv, 488 pp., illus. \$37.

The Second Law of Thermodynamics. Joseph Kestin, Ed. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1977 (distributor, Halsted [Wiley], New York). xvi, 332 pp. \$27.50. Benchmark Papers on Energy, vol. 5. *To order*

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La Semantica Generale. Massimo Baldini. Città Nuova Editrice, Rome, 1976. 366 pp. Paper, Lit 4,500.

Smoke, Dust and Haze. Fundamentals of Aerosol Behavior. S. K. Friedlander. Wiley-Interscience, New York, 1977. xx, 318 pp., illus. \$16.95. *To order this book circle No. 420 on Readers' Service Card*

The Solar Home Book. Heating, Cooling and Designing with the Sun. Bruce Anderson with Michael Riordan. Illustrated by Edward A. Wong. Chesire Books, Harrisville, N.H., 1977. 300 pp. Paper, \$7.50.

Solid-State Laser Engineering. Walter Koechner. Springer-Verlag, New York, 1976. xii, 620 pp., illus. \$39. Springer Series in Optical Sciences, vol. 1. *To order this book circle No. 421 on Readers' Service Card*

Sources, Effects and Sinks of Hydrocarbons in the Aquatic Environment. Proceedings of a

symposium, Washington, D.C., Aug. 1976. American Institute of Biological Sciences, Arlington, Va., 1976. vi, 578 pp., illus. Paper, \$5.

Stability and Constancy in Visual Perception. Mechanisms and Processes. William Epstein, Ed. Wiley-Interscience, New York, 1977. xiv, 464 pp., illus. \$22.50. Wiley Series in Behavior. *To order this book circle No. 422 on Readers' Service Card*

Vibrational Spectra of Organometallic Compounds. Edward Maslowsky, Jr. Wiley-Interscience, New York, 1977. xiv, 528 pp., illus. \$24.95. *To order this book circle No. 423 on Readers' Service Card*

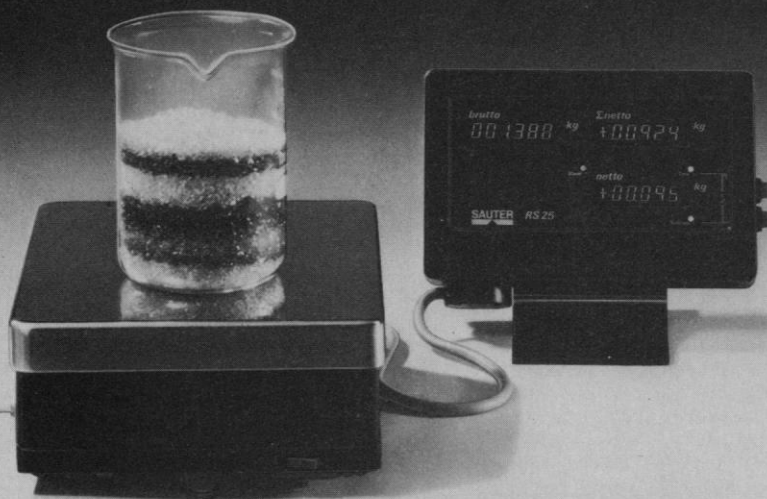
Viral Infections of Humans. Epidemiology and Control. Alfred S. Evans, Ed. Plenum, New York, 1976. xxxii, 584 pp., illus. \$39.50.

Whistled Languages. R. G. Busnel and A. Classe. Springer-Verlag, New York, 1976. viii, 120 pp., illus. \$16.40. Communication and Cybernetics, 13.

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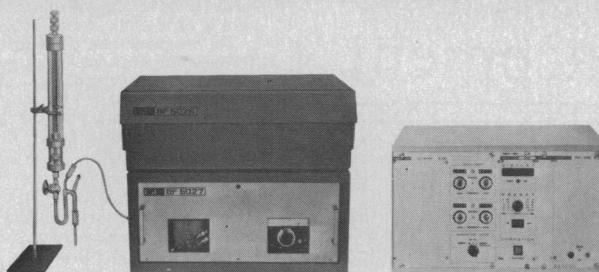
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Mature, experienced Anatomist/Zoologist/Electron Microscopy. Ph.D. seeks academic position with genuine commitment to teaching. Numerous publications. University experience in zoology, including histology, microtechnique, histochemistry, embryology, and ultrastructure (both transmission and scanning EM). Box 228, SCIENCE. X

Biochemist. Ph.D. 1970. Endocrinology. Steroid hormone profiles by RIA. Radioreceptor techniques. Supervising clinical laboratory. Desires position in hospital laboratory or industry. Box 229, SCIENCE. X

Biochemist/Cell Biologist. Ph.D. 1968, protein chemistry. Three years of full-time teaching (biochemistry to veterinary/agriculture students); 3-year postdoctoral (cyclic nucleotides, protein kinases); 3 years on research faculty at medical school (protein kinases during growth and development). Publications, including textbook on hormones. Federally funded research support through 1979. Desires a more secure (not "soft money" supported) and well-rounded (both research and teaching) faculty appointment. Available July. Box 230, SCIENCE. X

Cellular Immunologist. Ph.D. 1972, senior investigator at research institute and faculty member at state university. Background in human and animal oncology. Experience in assaying leukocyte function, lymphokine production, cellular interactions, tumor-associated antigens, membrane receptors, and in testing antitumor drugs. Publications. Former grants. Teaching and supervisory experience. Seeks research position with medical or governmental agency. Box 231, SCIENCE. X

POSITIONS WANTED

Biochemist/Protein Isolation. M.S.; 16 years of research, development, and production experience includes isolation and purification of human plasma proteins and hormones, diagnostic kits, clinical assays, RIA, radio-labeling, antibody production, RID, electrophoresis, preparation of polymers for assays and affinity chromatography. Patents and publications. Employment: industry or university. Box 221, SCIENCE. X

Biologist, candidate for M.S., 1977. Research experience in parasitology. Teaching and practical experience in medical microbiology. Experienced in SEM, histochemistry, photography, and protein electrophoresis. Limited experience in TEM. Seeks position in research, teaching, industry, or government. Contact A. Williams, P.O. Box 256, Mattapoisett, Mass. 02739. 5/27; 6/3

Cybernetics and Psychology. Unconventional background (medical physics, electronic systems engineering, no Ph.D.), but frequent refereed publications and outstanding references from leaders in psychology, cybernetics, anthropology, linguistics, child development, psychoanalysis, mental health research, philosophy of science. Experimental program with own equipment ready to go, aimed at revision of fundamental principles of psychology. Seeks research/teaching position in psychology or other department that welcomes interdisciplinary advances. Prefers moving west. W. T. Powers, 1138 Whitfield Road, Northbrook, Illinois 60062. X

Graduating senior desires position in **Environmental Science or Engineering.** Holds B.S. in environmental studies, State University of New York at Albany, and A.A.S. in environmental technology. D. J. Alard, 103 Marion Avenue, Troy, New York 12180. X

Geneticist/Biologist. Ph.D. 1962. Background in teaching, research, administration, computing, biometrics. Own 8000 (8K) digital computer. Seeking research and/or teaching position. Prefers western United States or foreign. Box 208, SCIENCE. X

Invertebrate Zoologist. M.S. Recent graduate seeks research/teaching appointment in North America/overseas. Special interests include the higher arthropods (marine and terrestrial), evolutionary ecology, and paleontology. Box 224, SCIENCE. X

Marine Fisheries Biologist. Ph.D. 1976. Publications. Seeking research/teaching position, any location. B. Jones, 3147 Qu'Appelle Street, Victoria, British Columbia, Canada V9A 1V5. X

Medicinal/Bio-organic Chemist. Ph.D. Two years of postdoctoral experience in quantitative structure-biological activity correlations. Six years of experience with synthetic background in nucleosides, steroids, and heterocycles. Desires position in monitoring protocols and liaison in regulatory matters. Box 232, SCIENCE. X

Certified consulting **Meteorologist.** M.S., 20 years of experience-contract research. Areas: environment, energy, military. Skills: technical program development, management. Seeks position in theoretical and/or experimental research. Box 225, SCIENCE. 5/27; 6/3, 10

Pathologist. Ph.D. expected July 1977. Seeks teaching and/or research position. Extensive training in anatomical pathology including necropsy service, transmission electron microscopy used as primary research tool. Other areas of interest include microbiology, especially infectious disease and immunology, parasitology, histology. Broad teaching experience including two general pathology courses for professional schools. Two years on undergraduate faculty. Box 233, SCIENCE. X

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ASSISTANT RESEARCH IMMUNOLOGIST; salary \$17,000 to \$18,000; Laboratory of Nuclear Medicine and Radiation Biology, University of California, Los Angeles; to carry out study of immune responses in mice exposed to heavy metals. Must be experienced in techniques of in vitro immunologic testing. Start: 1 October 1977. Send résumé to: L. Crumplar, 900 Veteran Avenue, Los Angeles, California 90024. We are an Equal Opportunity/Affirmative Action Employer. Applications from minorities and women are encouraged.

POSITIONS OPEN

ANATOMIST, HISTOLOGIST, M.D., Ph.D. or equivalent at the instructor or assistant professor level. The candidate must be able to assist in our medical and dental histology teaching programs and should also be able to assist in the graduate teaching programs. Independent research is emphasized. Salary and rank to the assistant professor level depends on qualifications and experience. Send applications and curriculum vitae plus two references to **Dr. William J. Dougherty, Department of Anatomy, Medical University of South Carolina, 80 Barre Street, Charleston, S.C. 29401.** An Equal Opportunity/Affirmative Action Employer.

The University of Maryland at College Park, Department of Anthropology, invites applications for a position for an **ARCHEOLOGIST** on its faculty beginning in the fall semester of 1977. Rank and salary are open depending on qualifications. Archeological specialties are open, but a strong interest in relating archeology to cultural anthropology is desired. Applicants should have completed the Ph.D. Send curriculum vitae and descriptions to **Ellis R. Kerley, Chairman, Department of Anthropology, University of Maryland, College Park, Maryland 20742.**

The University of Maryland actively subscribes to a policy of Equal Educational and Employment Opportunity. The University of Maryland is required by Title IX of the Educational Amendments of 1972 not to discriminate on the basis of sex in admission, treatment of students, or employment.

ASSISTANT PROFESSORS for appointment in mechanical engineering and research involvement in the Medical Engineering Laboratory. Appointment with major interests in biomaterials/biomechanics/solid mechanics (or) appointment with major interests in biofluid mechanics/bioheat transfer/bioinstrumentation. Interested individuals submit curriculum vitae to:

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Mechanical Engineering Department
Stevens Institute of Technology
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ASSISTANT PROFESSOR IN DEVELOPMENTAL ANATOMY. Ph.D. or M.D. equivalent. Teaching responsibility: developmental anatomy and either gross, histology, or neuroanatomy.

Area: developmental anatomy research. Do not apply unless you have research experience and are currently doing research in developmental anatomy.

Send curriculum vitae and supporting letters of recommendation to **Dr. W. S. Jee, Acting Chairman, Department of Anatomy, 2C 110 Medical Center, University of Utah College of Medicine, Salt Lake City, Utah 84132.** An Equal Opportunity Employer.

HORN POINT ENVIRONMENTAL LABORATORIES (HPEL) UNIVERSITY OF MARYLAND

Two permanent positions will be filled at the rank of assistant professor effective 15 September 1977. Postdoctoral experience desirable; persons completing the requirements for the Ph.D. degree considered. HPEL is multidisciplinary, with research programs in wetlands ecology, shellfish studies, marine and estuarine ecology, environmental engineering, coastal land and water use, and wildlife ecology. Opportunities available for teaching and public service.

1) **PRIMARY PRODUCTIVITY/NUTRIENT DYNAMICS:** Applications invited from persons with training and interests in freshwater, estuarine, or marine systems. Opportunity to participate in ongoing research programs in wetlands ecology and to develop new research areas. Background in chemical aspects of nutrient flow from primary producers and detrital sources desirable.

2) **TERRESTRIAL SYSTEMS ECOLOGY:** Applications invited from persons with training and interests in systems approach to coastal processes with emphasis on terrestrial/aquatic system interaction. Opportunities to participate in ongoing projects and to develop new research areas.

Applicants should submit résumé, statement of research interests, and the names and addresses of three references by 10 June 1977 to: **Search Committee, Horn Point Environmental Laboratories, P.O. Box 775, Cambridge, Md. 21613.** The University of Maryland is an Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSORSHIPS

Two positions are open at the rank of assistant professor. Candidates should be able to teach either gross anatomy or neuroanatomy and pursue independent research projects. Those interested should contact: **Dr. Marilyn L. Zimny, Professor and Head, Department of Anatomy, Louisiana State University Medical Center, 1542 Tulane Avenue, New Orleans, Louisiana 70112.**

Two positions available at ASSISTANT PROFESSOR level. One in neuroscience with teaching and commitments in neuroanatomy, and one in developmental biology with teaching commitments in microscopic anatomy including cell biology. Doctoral degree, postdoctoral experience, and strong research and teaching interests required. Send curriculum vitae and references to: **Chairman, Department of Anatomy, Box 3011, Duke University Medical Center, Durham, North Carolina 27710. An Equal Opportunity Employer.**

Environmentally oriented undergraduate earth science program at the University of Wisconsin-Parkside (Kenosha County) has an opening for a **VISITING ASSISTANT PROFESSOR** for the period 26 August 1977 through 25 May 1978. Applicants must have the Ph.D. by the date of employment and be able to teach courses in and have demonstrated applied research interests in one or more of the following areas, listed in order of preference: hydrogeology, environmental earth science, atmospheric science. Forward résumés and at least three letters of recommendation by 15 July to **Professor Henry S. Cole, Division of Science, The University of Wisconsin-Parkside, Kenosha, Wisconsin 53140. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer.**

University of Utah, College of Medicine, is seeking a Ph.D. at the **ASSISTANT OR ASSOCIATE PROFESSOR** rank with extensive research background in reproductive immunology to coordinate laboratory and clinical investigation in the Department of Obstetrics and Gynecology. *The University is an Equal Opportunity Employer.* Interested persons should send curriculum vitae and names of three references to **James R. Scott, M.D., Chairman, Department of Obstetrics and Gynecology, University of Utah, College of Medicine, Salt Lake City, Utah 84132.**

ASSISTANT PROFESSOR OF BIOCHEMISTRY AT VANDERBILT UNIVERSITY

The Department of Biochemistry invites applications from highly qualified individuals for a faculty position at the rank of assistant professor. The position will be available 1 July 1977. The primary requirement is promise of excellence in teaching and research, but preference will be given to applicants with demonstrated competence, including relevant postdoctoral experience and publications, in the areas of structure and function of eucaryotic cell membranes or transcription and processing of messenger RNA.

Applicants should submit curriculum vitae including a list of publications, a brief description of their proposed research, and the names of three references to **Chairman, Department of Biochemistry, Vanderbilt University Medical Center, Nashville, Tennessee 37232. Vanderbilt University is an Equal Opportunity/Affirmative Action Employer.**

MICHIGAN TECHNOLOGICAL UNIVERSITY Department of Biological Sciences

Invites applications from all qualified persons in the following anticipated positions at rank of **assistant professor**:

Aquatic Ecologist or Limnologist: to teach in the area of limnology and develop a basic research program related to Lake Superior and its basin. Ph.D. required. Postdoctorate preferred.

Physiological Ecologist or Environmental Physiologist: to teach in the area of anatomy and physiology and develop a basic research program related to mammals. Ph.D. required. Postdoctorate preferred.

Salaries are dependent on qualifications. Send curriculum vitae and three letters of recommendation to **Dr. Robert C. Stones, Head, Department of Biological Sciences, Michigan Technological University, Houghton, Michigan 49931.**

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR: Ph.D. biochemist/neurochemist with postdoctoral experience in brain intermediary metabolism for a primarily research position. The position will initially involve collaboration in ongoing basic research in brain metabolism until the individual can become established as a more independent investigator. Experience in enzymology an asset. Send curriculum vitae to **Robert W. Guyann, M.D., Department of Psychiatry, University of Texas Medical School at Houston, Houston, Texas 77030. An Equal Opportunity Employer.**

Applications are invited for a position of **ASSISTANT PROFESSOR IN CARDIOLOGY** for a person to head up noninvasive laboratory with experience and interest in organizing program of community and preventive cardiology. Send curriculum vitae, name of three references, and statement of experience in community cardiovascular work to:

**Dr. Robert P. Geyer
Acting Chairman
Department of Nutrition
Harvard School of Public Health
665 Huntington Avenue
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BIOLOGY INSTRUCTOR. Temporary appointment, fall semester only, beginning 27 August 1977. Teaching general biology to nonmajors. Must have master's degree in biology and a minimum 2 years of teaching experience. Salary \$5458. No funds for travel to interview.

Applicants should send résumé, transcripts, and three letters of recommendation by 13 June 1977 to **Dr. Bruce Dinsmore, Chairman, Biology Department, Clarion State College, Clarion, Pa. 16214. Clarion State College is an Equal Opportunity Employer.**

Applications are invited for a **POSITION** in the **Biology Department** of Frostburg State College. Applicants should have a Ph.D. degree with teaching and research experience in both plant and animal sciences. Teaching duties include histology, ecology, and botany. Preference to applicants with publications and success in acquiring research funding. Rank and salary commensurate with experience. Applicants should send curriculum vitae and at least three letters of recommendation and sufficient supporting material for an adequate preliminary evaluation of his/her teaching and research to: **Dr. Thomas F. Redick, Search Committee Chairperson, Biology Department, Frostburg State College, Frostburg, Maryland 21532. Reply by 15 June.**

CHAIRPERSON—DEPARTMENT OF BIOLOGY

The Department of Biology, New York University, Washington Square, N.Y. 10003 is seeking a chairperson. Applicants should have an established reputation for excellence in research in any major area of biology and have proven administrative abilities. *New York University is an Equal Opportunity/Affirmative Action Employer.* Send curriculum vitae, list of publications, and the names of three persons from whom we may solicit letters of reference to **R. Borowsky, Chairman, Search Committee,** at the above address by 30 June 1977.

CHAIRMAN/FACULTY, teaching in anatomy and physiology. Comprehensive Department of Medical Laboratory Sciences. Programs include medical technology, clinical microbiology, microbiology, and cytotechnology, and graduate programs in medical laboratory science and physician's assistant in pathology. Ph.D. Administrative experience. *Affirmative Action/Equal Opportunity Employer.* Contact: **Chairman, Department of Medical Laboratory Sciences, Quinnipiac College, School of Allied Health and Natural Sciences, Mount Carmel Avenue, Hamden, Conn. 06518.**

POSITIONS OPEN

CELL BIOLOGIST/VIROLOGIST

A position is available for a Ph.D. with some postdoctoral experience to head a tissue culture facility which is part of the Duke University Comprehensive Cancer Center. Primary responsibilities will include the preparation of primary and the maintenance of secondary cell cultures, the cloning of transformed and nontransformed cells, the cloning of viral mutants, and the large-scale production of viruses and cells. Curriculum vitae and names of three references should be sent to **Dr. W. K. Joklik, Chairman, Department of Microbiology and Immunology, Duke University Medical Center, Durham, N.C. 27710, before 1 July 1977. Duke University is an Equal Opportunity Employer.**

CROP LOSS RESEARCH SCIENTIST with academic rank and tenured track. Closing date: 10 July 1977. For further information contact:

**Crop Loss Position
Department of Plant and Soil Sciences
University of Idaho
Moscow, Idaho 83843
Telephone: 208-885-6276**

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DIRECTOR FOR LABORATORY ANIMAL RESOURCES—Large teaching and research institution (medical college and graduate school). Qualifications: D.V.M. with a minimum of 3 years experience in laboratory animal medicine with emphasis on clinical experience and administrative ability. Interest in supporting and facilitating research through collaboration or independent effort is desirable. Submit curriculum vitae and three references to: **Dr. Leonard Rosenblum, Chairman, Search Committee, Downstate Medical Center, Box 120, 450 Clarkson Avenue, Brooklyn, N.Y. 11203. Equal Opportunity/Affirmative Action Employer.**

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The Institute of Medicine, National Academy of Sciences, is seeking an individual to direct the Robert Wood Johnson Health Policy Fellowships Program and conduct individual projects on important health policy issues. The fellowship program brings outstanding mid-career health professional faculty members from academic health and medical centers to Washington, D.C. for 1 year to provide them with an understanding of major health policy issues and a knowledge of how federal health policies and programs are established. The individual projects of the institute are conducted in the fields of health care services, health manpower and resources development, health promotion and disease prevention, health services research, the legal and ethical aspects of health, and international health.

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FACULTY POSITION IN BIOCHEMISTRY

The Department of Biochemistry of the University of Louisville Health Sciences Center invites applications from qualified individuals with a commitment to teaching and research in the areas of eucaryote molecular biology and endocrine biochemistry. Responsibilities include participation in either the medical or dental school curriculum and in the graduate teaching program. The individual is expected to develop a vigorous independent research area while collaborating with an established program in molecular endocrinology. The full-time, 12-month appointment is at the assistant professor level effective 1 July 1977. Applicants should have postdoctoral research experience. Please send a curriculum vitae, list of publications, names of at least three references to be used for letters of recommendation, and a summary of research interests to **Dr. James L. Wittliff, Department of Biochemistry, University of Louisville, School of Medicine, Health Sciences Center, Louisville, Kentucky 40201. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

ELECTRON MICROSCOPY TECHNICIAN to help supervise a two transmission and one scanning electron microscope facility. Duties include microscope operation and maintenance, training, sample preparation, and photographic work. B.S. or M.S. in biology desirable. Prior experience with electron microscopes essential. Salary \$12,000 to \$15,000. Starting date: 1 July to 1 September. Send curriculum vitae and references to **Dr. Judy D. Hall, Department of Biological Sciences, State University of New York, Binghamton, New York 13901. Equal Opportunity/Affirmative Action Employer.**

ENVIRONMENTAL SYSTEMS ANALYSIS

Assistant professor in Cook College of Rutgers University starting September 1977. Earned doctorate required in systems analysis or related field. Teaching and multidisciplinary research in Department of Environmental Resources. Applications by 1 July 1977 to **Dr. William Goldfarb, Department of Environmental Resources, Cook College, P.O. Box 231, New Brunswick, N.J. 08903. Applications from women and minorities encouraged; Affirmative Action Employer.**

FACULTY POSITION IN SILVICULTURE available 1 September 1977. Research on silviculture of young growth conifers, done jointly with harvesting engineers. Assistant professor, \$17,000 to \$20,000 for 12 months, dependent on qualifications. Ph.D. (in hand or near completion) required. Field research experience important. Send letter of application, résumé, transcripts, and three letters of recommendation by 1 July to:

**Dr. John C. Gordon, Head
Department of Forest Science
Oregon State University
Corvallis, Oregon 97331**

Oregon State University subscribes to a policy of active recruitment of women and minorities and invites all qualified persons to apply.

FACULTY POSITIONS IN NUTRITIONAL SCIENCES. The Department of Nutrition at Rutgers University has two openings at the assistant professor level. Applicants must have a Ph.D. in nutrition or a closely related biological discipline, a strong background in biochemistry and some postdoctoral experience. The selected candidates will be required to become involved in both undergraduate and graduate teaching programs and to develop an independent research program. One of the positions is tenure track and the other is a 3-year term appointment. Applicants should send a curriculum vitae, including a list of professional references, to: **Dr. Robert J. Cousins, Chairman, Search Committee, Department of Nutrition, Cook College, P.O. Box 231, Rutgers University, New Brunswick, New Jersey 08903. An Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION IN INDUSTRIAL AND ENVIRONMENTAL HYGIENE. Position available with graduate level teaching, research, and service responsibilities in industrial hygiene and safety. Engineering or physical science background, advanced degree and experience in industrial hygiene preferred. The department provides a unique opportunity for career development. Those interested should send inquiries and curriculum vitae to **Dr. R. R. Suskind, Director, Department of Environmental Health, University of Cincinnati, Cincinnati, Ohio 45267. An Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION

Applications are invited for faculty appointment in the area of sedimentology at the Rosenstiel School of Marine and Atmospheric Science, University of Miami. Substantial experience in petroleum geology and sedimentary petrology is required. Rank is at the associate professor level. Submit curriculum vitae, a list of publications, and references to:

**Dr. David E. Fisher
University of Miami
Rosenstiel School of Marine and Atmospheric Science
Division of Marine Geology and Geophysics
4600 Rickenbacker Causeway
Miami, Florida 33149**

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POSITIONS OPEN

Scripps Institution of Oceanography invites applications for a **FACULTY POSITION** at the assistant, associate, or full professor level in **MARINE GEOPHYSICS**. Salary commensurate with qualifications and relevant experience. Qualified applicants must hold a Ph.D., have experience in the organization of seagoing expeditions, and be familiar with digital data analysis and seismic modeling with both amplitude and arrival-time data. Applications with curriculum vitae and references should be sent to **Dr. F. N. Spiess, Chairman, Department SIO, A-008, Scripps Institution of Oceanography, University of California, San Diego, La Jolla, Calif. 92093. The University of California, San Diego, is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.**

FACULTY POSITIONS (1977-78)

Open in: biochemistry, physiology, gross anatomy, histology, embryology, neuroanatomy, teaching aid, administrative positions. Salary negotiable.

Send curriculum vitae to:

**Dr. José M. Muriente
Dean, Borinquen University Medical School
P.O. Box S-4068
San Juan, Puerto Rico 00905**

FISHERIES BIOLOGIST: Ph.D. necessary; at least 3 years of experience, preferably as project manager for utilities or consultant. Background in population dynamics and/or limnology an asset. Send résumé to:

**Jean Schroeder
CDM ENVIRONMENTAL SCIENCES DIVISION
6132 West Fond du Lac Avenue
Milwaukee, Wisconsin 53218**

IMMUNOLOGY RESEARCH ASSOCIATE

Postdoctoral position available immediately for individual with experience using in vitro techniques for studies of cellular/tumor immunology. Salary: \$12,000 per year. Please send curriculum vitae and references to **Director, Department of Pathology, The Methodist Hospital, 506 Sixth Street, Brooklyn, N.Y. 11219.**

INSTRUCTOR OR ASSISTANT PROFESSOR OF BIOLOGY—General biology and conservation of natural resources. Masters degree minimum; specialist or earned doctorate in field preferred. This is a 1-year (9-month) appointment. Send letter requesting Virginia Community College System application and position description to **Professor James T. Markley, Division Chairman, Lord Fairfax Community College, Drawer E, Middletown, Va. 22645. Applications will be processed through 15 June 1977. Lord Fairfax Community College is an Affirmative Action/Equal Opportunity Employer.**

THE UNIVERSITY OF MICHIGAN

**Department of Radiology
Instructor, Assistant Professor, Associate
Professor or Professor**

Three positions available. Candidate must be Board-eligible or Board-certified. Entering level commensurate with qualifications and experience. The physician will take part in the programs of patient care, teaching, and research carried on in the Department of Radiology. He or she will supervise activities of the resident staff and aid in teaching of residents and medical students. Send résumé to **Box 234, SCIENCE, Codes 1000H0, 2100H0, and 2400H0. An Affirmative Action/Equal Opportunity Employer.**

LECTURER IN BIOCHEMISTRY

A temporary 10-month position is available beginning August/September 1977, with a salary of approximately \$15,000. At present there is no opportunity for renewal. The applicant should possess the Ph.D. in biochemistry and interest in teaching one quarter elementary biochemistry laboratory, one quarter biochemistry laboratory for medical students, and parts of a general biochemistry class. Opportunity for collaborative research with existing faculty is available.

Please send résumé and three letters of recommendation immediately:

**Professor Anthony W. Norman, Chairman
Department of Biochemistry
University of California, Riverside
Riverside, Calif. 92521**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

HEAD, DEPARTMENT OF BIOCHEMISTRY SCHOOL OF BASIC MEDICAL SCIENCES, CHICAGO UNIVERSITY OF ILLINOIS

A new search has been initiated for an established investigator interested in research and teaching of graduate and health science students to serve as head, Department of Biochemistry. The present department consists of faculty with funded, independent research programs. Applications and nominations of individuals committed to excellence in research and education should be addressed to: **Dr. H. Feinberg, Chairperson, Search Committee, Department of Pharmacology, 835 South Wolcott Avenue, P.O. Box 6998, Chicago, Illinois 60680.**

The University of Illinois is an Affirmative Action Employer.

MASS SPECTROMETRIST—Opening for experienced Ph.D. in M.S. with high initiative and the ability to interact with other research personnel. Will be in charge of two computerized GC/MS (EI, CI, and FD) instruments with real opportunity for collaborative and independent research. Staff position with excellent salary and fringe benefits. Send inquiry and curriculum vitae to **Dr. Jerome P. Horwitz, Chairman, Department of Chemistry, Michigan Cancer Foundation, 110 East Warren Avenue, Detroit, Mich. 48201.**

MEDIA TECHNICIAN III

Completion of college course work for a 4-year degree with major emphasis in art and photography, or radio and television; and 1 year of experience in television, media production, medical photography, or other area, as appropriate to the specific position; or an equivalent combination of education and experience. Experience in macro- and microphotography, botanical illustration, and graphic arts desired. This position expected to be filled 1 July 1977. \$10,392 to \$11,364. Contact **University of North Carolina Personnel, 111 Pettigrew Hall, the University of North Carolina at Chapel Hill, Chapel Hill, N.C. 27514. Equal Opportunity/Affirmative Action Employer.**

MICROBIOLOGIST: PATHOGENIC BACTERIOLOGY

Applications are invited for an anticipated faculty position in the Department of Microbiology and the School of Basic Medical Sciences. Applicants (Ph.D. and/or M.D.) will be expected to carry out a high-quality research program and to participate in the education of medical and graduate students. Knowledge of host-parasite interactions or infectious disease is essential. Familiarity with self-study curricula is desirable. This is a full-time academic appointment with rank and salary open. Send curriculum vitae and names of three or more references to **Dr. M. G. Gabridge, Department of Microbiology, University of Illinois, Urbana, Illinois 61801, by 1 July 1977. The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women.**

OCEANOGRAPHERS (3)

Junior-level teaching positions, Ph.D. not required. \$11,000 for 9 months. One chemical, one physical/geological, one equipment specialist. Reply to **M. F. Gerstell, Department Head, Engineering Sciences, Florida Institute of Technology, Jensen Beach, Florida 33457. These are renewable appointments. Filing deadline: 8 June.**

PHARMACOLOGIST-TOXICOLOGIST

Ph.D. with 2 years of postdoctoral experience to do research in toxicology-drug metabolism area with a group in toxicology. Some experience with analytical techniques is desirable. Medical pharmacology teaching is involved. Send inquiry, curriculum vitae, names of references to: **James M. Fujimoto, Ph.D., Department of Pharmacology, Medical College of Wisconsin, 561 North 15th Street, Milwaukee, Wisconsin 53233. An Equal Opportunity Employer, M/F.**

UNIVERSITY OF ILLINOIS
COLLEGE OF MEDICINE
SCHOOL OF BASIC MEDICAL
SCIENCES
AT URBANA-CHAMPAIGN

Position Opening

PROFESSOR OF ANATOMY: responsible for supervision of curricula in gross anatomy, microscopic anatomy, and neuroanatomy for medical and other health professional students within the framework of a unique, guided, self-study program. Will provide leadership in initiation of a graduate program in anatomical sciences. May hold joint appointment in University of Illinois, Urbana-Champaign, department as school is not departmentalized.

Qualifications: Ph.D. and/or M.D. with formal training in anatomy, distinguished record in research in biological sciences, and experience in medical education.

Appointment: position is a permanent full-time faculty appointment; salary open.

Position available: 21 August 1977, for the 1977-1978 academic year. Closing date for applications: in order to receive full consideration, applications should be received by 10 June 1977.

Contact: Send curriculum vitae to

Charles H. Hockman, Ph.D.
Chairperson, Search Committee
School of Basic Medical Sciences
University of Illinois
Urbana, Illinois 61801
Telephone: 217-333-9749

The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from minorities and women.

ANALYTICAL SPECIALIST

The Chemical Industry Institute of Toxicology (CIIT) requires an **ANALYTICAL SPECIALIST** to operate and maintain a gas chromatograph/mass spectrometer. An M.S. degree in biology or chemistry is preferred. Must have theoretical and practical knowledge of chromatographic, mass spectrometric, and computer programming techniques. Will develop analytical procedures for the measurement of compounds in biologic samples. Send curriculum vitae to:

**Administrative
Manager
Chemical Industry
Institute of Toxicology
P.O. Box 12137
Research Triangle Park,
North Carolina 27709**

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MEDICAL EDITOR/ WRITER

Position with prestigious research organization for energetic person with Ph.D. in biology, biochemistry, or toxicology who has extensive writing and editorial experience. Will interact primarily with the director of a large toxicological research group located in Arkansas. Position will require substantial amount of travel to scientific meetings and government agencies. All relocation expenses paid; salary negotiable. Please send complete résumé including salary requirements and copy of at least one sample of toxicology-related writing to:

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**FRANKLIN
INSTITUTE**

20th and Parkway
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CSIRO
DIVISION OF PLANT INDUSTRY
CANBERRA, A.C.T.
CHIEF OF DIVISION

GENERAL: The position of chief of the CSIRO Division of Plant Industry will become vacant at the expiration of the appointment of Dr. L. T. Evans, FAA, FRS, in January 1978.

The division, which is one of the Organization's largest research complexes, has its main laboratories, a large phytotron and glasshouses in Canberra, A.C.T. It has field station facilities in both the A.C.T. and the Namoi Valley of northern N.S.W. The division has a staff of 360 including 130 scientists.

The division has an extensive research program in the plant sciences, including physiology and biochemistry, plant introduction, genetics and breeding, plant nutrition, symbiotic nitrogen fixation, fertility cycling, plant diseases, the development of novel biologically active compounds, adaptation and management of crops and pastures, cotton research, ecology and management of Australian vegetation and plant taxonomy. The main agricultural orientation of the program is towards dryland cropping and pastures in temperate Australia.

It is the executive's intention that increasing attention should be given to the relationship between the more basic research carried out, field experimentation, and crop and pasture systems. This may involve some changes in research strategy of the division and further attention to links with applied and regional research groups, and with other divisions, particularly the Division of Tropical Crops and Pastures and the Division of Irrigation Research.

DUTIES: The chief will be responsible to the executive for the development, scientific direction, and integration of the research programs of the division, and will be expected to promote active collaboration with other divisions and research bodies.

SALARY: Salary will be the subject of negotiation but will be not less than A\$33,615 per annum.

TENURE: The appointment carries Commonwealth superannuation privileges subject to normal conditions. It is normal practice to make term appointments to such positions with subsequent options for a further term, if mutually desired, or for a senior position in the organization.

FURTHER INFORMATION: Dr. A. E. Pierce, a member of the CSIRO executive and chairman of the Appointment Committee for the position, will be visiting Britain from 6 to 24 June 1977 and the United States from 27 June to 1 July 1977. He will be pleased to discuss the appointment with applicants and with other interested parties including those who have advice to offer on how the position might be filled. Those interested in discussing the appointment should contact the **Minister (Scientific), Australian Scientific Liaison Office, Canberra House, 10-16 Maltravers Street, London, WC2R 3EH, England**, or the **Counsel (Scientific), Embassy of Australia, 1601 Massachusetts Avenue, NW, Washington D.C. 20036**. It may be possible to arrange such discussions at a number of points in Britain and the United States. Scientists interested in discussing the appointment should ensure that the appropriate overseas office is contacted in ample time to enable suitable arrangements to be made.

Further information on the division is available on request from the **Secretary, CSIRO, P.O. Box 225, Dickson, A.C.T. 2602, Australia**.

APPLICATION: Applications stating full personal and professional details, the names of at least two referees, and quoting reference number 130/1383 should reach:

**The Secretary, CSIRO
P.O. Box 225
Dickson, A.C.T. 2602, Australia**

by 7 July 1977.

POSITIONS OPEN

PHYSICAL OCEANOGRAPHER

Assistant professor. The School of Oceanography at Oregon State University invites applications for a faculty position in physical oceanography at the assistant professor level. The applicant should have a Ph.D. in the physical sciences, experience in physical oceanography, and the ability to conduct independent research. Primary research interests should be in large scale ocean circulation. The ability to plan and carry out field observations, experience in the analysis and interpretation of oceanographic data, and the ability to relate observations to theoretical models are desired. Duties include teaching and supervision of graduate students. Interested candidates should submit résumés and have three letters of reference sent to **Dean George H. Keller, School of Oceanography, Oregon State University, Corvallis, Oregon 97331.** An Equal Opportunity Employer.

UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES CAMPUS SCHOOL OF MEDICINE

Applications are invited for several full-time POSITIONS in the following departments:

Anatomy: teaching responsibilities in either gross anatomy, neuroanatomy, or histology.

Microbiology: teaching responsibilities in either immunology or microbiology.

Parasitology: teaching responsibilities in tropical parasitology with responsibility for developing a program in this area.

Physiology: teaching responsibilities with emphasis in cardiovascular physiology.

Pharmacology: teaching responsibilities in molecular pharmacology and CNS pharmacology.

Openings are available immediately at all levels to well-qualified individuals committed to research and teaching. Excellent research opportunities and facilities. Major primate center and marine biology station are available in addition to the new well-equipped medical sciences building. The language of instruction is either Spanish or English.

Dr. Sven O. E. Ebbesson

Associate Dean

Biomedical Sciences

Medical Sciences Campus—University of Puerto Rico

G.P.O. Box 5067

San Juan, Puerto Rico 00936

POSTDOCTORAL available 1 June for studies of the proteins and mechanism of potassium transport in *E. coli*. Send résumé to: **Dr. Wolfgang Epstein, Department of Biochemistry, University of Chicago, 920 East 58th Street, Chicago, Ill. 60637.** 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.

POSTDOCTORAL POSITION IN MOLECULAR ENDOCRINOLOGY. To work on molecular biology of hormone action involving steroid hormone receptors and mRNA synthesis in rat liver. Ph.D. in biochemistry or related subjects. Salary competitive. Send curriculum vitae, transcripts, and names of three references to: **Dr. Arun K. Roy, Department of Biological Sciences, Oakland University, Rochester, Mich. 48063.** An Equal Opportunity Employer.

POSTDOCTORAL POSITION in muscle physiology and biochemistry. Immediate opening for individual to work on comparative muscle fine structure, mechanics, and/or biochemistry. Background in physiology desirable. Salary \$12,000 to \$14,000 depending on experience. Send curriculum vitae and names of three references to: **Dr. M. M. Dewey or Dr. B. Walcott, Department of Anatomical Sciences, Health Sciences Center, State University of New York, Stony Brook, New York 11794.** Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION: available 1 July 1977 for 1 or 2 years to study neural and peripheral transmitters as related to several behavioral models and various biochemical correlates. Ph.D. in pharmacology preferred but background in biochemistry and/or physiology acceptable. Send curriculum vitae and personal references to:

Dr. W. R. Wooles, Chairman

Department of Pharmacology

School of Medicine

East Carolina University

Greenville, N.C. 27834

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

POSTDOCTORAL POSITION

Research on cell cycle control in mammalian cells, characterization of serum growth factor needed for cell proliferation in culture and its interaction with cell surface. Candidates with experience in cell culture and protein chemistry preferred but not essential. One-year position, available in July in Philadelphia research institute. Submit applications to: **Dr. D. Paul, Box 1809, San Diego, Calif. 92112.**

POSTDOCTORAL POSITION (1 to 3 years) available to join group investigating synthesis and assembly of microtubules and microfilaments in lymphocytes. Experience in tissue culture and immunocytochemistry desirable. Stipend: \$10,000 to \$12,000, depending on experience. Send curriculum vitae and names of three references to **Dr. D. L. Brown, Department of Biology, University of Ottawa, Ottawa, Ontario, Canada K1N 6N5.**

POSTDOCTORAL POSITION—PHYSIOLOGICAL PSYCHOLOGY. Available to a person with a doctoral degree and interest in neurological mechanisms of movement. Salary: \$10,000 to \$12,000. Send curriculum vitae and two letters of reference to **Dr. B. Kolb or Dr. I. Q. Whishaw, Department of Psychology, University of Lethbridge, Lethbridge, Alberta, Canada T1K 3M4.**

POSTDOCTORAL POSITION available in August–September 1977. Research in regulation of lysosomal enzymes during postnatal development in mammals. Experience in enzymology and/or organ and tissue culture techniques preferred. Send curriculum vitae and names of three references to **Professor Otakar Koldovsky, M.D., Ph.D., Department of Pediatrics, University of Pennsylvania, Children's Hospital of Philadelphia, Division of Biochemical Development and Metabolic Diseases, 34th and Civic Center Boulevard, Philadelphia, Pa. 19104.**

POSTDOCTORAL RESEARCH ASSOCIATE—CYTOGENETICS. Applications are invited for a 1-year full-time research position beginning 1 September 1977 at an annual salary of \$12,000. Candidates should possess a Ph.D. in genetics and demonstrated expertise in the field of plant cytogenetics. Research will involve karyotype analysis and modification in plants regenerated therefrom. Send résumé, three letters of recommendation, and reprints of pertinent work to **Dr. J. F. Shepard, Department of Plant Pathology, Kansas State University, Manhattan, Kansas 66506.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE ECOLOGICAL/PHYSIOLOGY

Research to determine environmental optima with respect to stress effects on respiratory metabolism at standard, routine, and maximum sustained swimming activity levels for Gulf of Mexico fishes. Data analysis by computerized multiple regression techniques. Opportunities available for development of original research on growth and metabolism of fishes. The position begins 1 July 1977 at the rate \$13,908. Send curriculum vitae and three letters of recommendation to: **D. E. Wohlschlag, University of Texas, Port Aransas Marine Laboratory, Port Aransas, Texas 78373.** An Equal Opportunity/Affirmative Action Employer.

PULMONARY PHYSIOLOGY RESEARCH

Research position available in field of mammalian pulmonary physiology at the Toxic Hazards Research Unit, Wright-Patterson Air Force Base, Dayton, Ohio. This position will have an adjunct professorship of appropriate rank in the University of California, Irvine. Collaborative research conducting physiologic studies in animals exposed to airborne materials of environmental/occupational interest. Requires Ph.D. in physiology or related field and 2 years of postdoctoral research, experienced in pulmonary measurements in intact laboratory animals. Preference given applicants experienced in inhalation toxicology and published independent work. Opportunities to participate in training of graduate students of University of California, Irvine, may be available. Closing date for applications is 11 July. Applications from all qualified candidates are welcome; minorities and women are encouraged to apply. Submit complete curriculum vitae and names of at least three references to: **Dr. J. D. MacEwen, University of California, Irvine, Toxic Hazards Research Unit, Overlook Branch, P.O. Box 3067, Dayton, Ohio 45431.**

POSITIONS OPEN

POSTDOCTORAL POSITION: available September; collaborative research on drug interaction with target enzymes, and modifier interaction with enzyme regulatory sites. Applicant should have experience or interest in sequencing, chemical modification, or crystallography of proteins. Salary commensurate with experience. **Professor Raymond L. Blakley, College of Medicine, University of Iowa, Iowa City, Iowa 52242.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL RESEARCH ASSOCIATE

A postdoctoral research associate in mycology will be available beginning 1 July 1977. The duties involve ecological and physiological studies of *Histoplasma capsulatum*. Applicants must have the Ph.D. and a minimum of 2 years research experience in mycology. Since the job will involve field work, the ability to operate vehicles and appropriate field equipment will be required. Send résumé, including a description of research experience, to: **Dr. Lois S. Cronholm, Department of Biology, University of Louisville, Louisville, Kentucky 40208.** Three letters of reference will be requested from applicants passing initial screening. An Equal Opportunity/Affirmative Action Employer.

THE UNIVERSITY OF AARHUS, DENMARK

The Institute of Zoology and Zoophysiology invites applications for a position of **PROFESSOR OF ZOOLOGY.** The position is available from 1 January 1978. Monthly salary p.t. approximately 18,000 d.kr.

The position is open to qualified ecologists with research experience in terrestrial ecology. Applicants must be prepared to participate in the teaching activities of the institute on equal terms with the other staff members.

Applicants are requested to send their application and curriculum vitae, together with copies of those of their published papers and other scientific work which they wish to be considered by the evaluation committee appointed by the faculty—all in triplicate. Applications should be addressed to **Her Majesty the Queen** and sent to **The University of Aarhus, Ndr. Ringgade 1, DK-8000 Aarhus C, Denmark**, not later than 1 August 1977.

The report of the evaluation committee will in full be sent to all applicants.

For further information contact **lektor B. Overgaard Nielsen, Department of Zoology, The University of Aarhus, DK-8000 Aarhus C, Denmark**; telephone: 06-190255.

RADIATION BIOLOGIST/ZOOLOGIST—A vacancy is anticipated for August 1977 at the assistant professor level with assignment half-time to teaching courses in radiation effects and isotope methodology (with potential for additional teaching in zoology, especially physiology) and half-time to the position of college radiation officer requiring training or experience providing demonstrated competence in radiation safety. Applicants should send by 15 June 1977 undergraduate and graduate transcripts, résumé, and three letters of reference to **Dr. J. R. Harrison, Department of Zoology, State University College, Oswego, New York 13126.**

An Equal Opportunity/Affirmative Action Employer

RESEARCH ASSOCIATE

An opening for a research associate is available in the laboratory of Dr. Grant Fairbanks for someone interested in biochemistry/molecular biology. Applicants must be recent Ph.D.'s. Interest in biological membranes and experience with techniques used in their study are desirable. Send curriculum vitae and request three referees to send reference directly to **Personnel Office, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Massachusetts 01545.**

An Equal Opportunity/Affirmative Action Employer

RESEARCH ASSOCIATE, Ph.D. Physical Oceanographer

Applications are invited for a theoretical physical oceanographer interested in the dynamics of continental shelf regions. Some experience in numerical modeling is desirable. Send curriculum vitae, bibliography, and four letters of recommendation to **Dr. Ronald T. Merrill, Faculty Recruitment Committee, Department of Oceanography, University of Washington, Seattle, Washington 98195**, by 15 June 1977. The University is an Equal Opportunity/Affirmative Action Employer.

PHARMACEUTICAL RESEARCH

We are a diversified (chemicals, pharmaceuticals, agricultural chemicals, aerospace components, plastics) American subsidiary of Imperial Chemical Industries Ltd. (London). Support is evidenced by \$28 million expansion doubling laboratory capacity by late 1978, to augment parent company's world-wide program that has introduced major drugs—antihypertensives, antiarrhythmics, hypolipodemics, psychotropics, antibacterials, antifungals, corticosteroids and anesthetics. Expanded laboratories and program will be ICI's largest research effort outside the United Kingdom. Program emphasis will be on central nervous system, gastrointestinal, immunologic and renal disorders. We anticipate expansion of manpower and invite confidential inquiries, with particular emphasis on these immediate openings:

HEMATOLOGY

Requires an M.S. degree in Hematology or Medical Technology with a minimum of two years as practitioner in Medical Technology. Candidates should demonstrate a strong foundation in laboratory hematology and bench level experience in Coulter Counter analyses, preferably in pharmaceutical industry, but not mandatory. Incumbent will utilize this background in a preclinical setting with small laboratory animals. Duties will include monitoring work of technicians, developing new/improved diagnostic techniques and analysis and interpretation of pre-clinical data.

PHARMACOLOGY

CNS

(1) Ph.D. Neuropharmacologist preferably with 2-5 years industrial experience to join expanding CNS Group. Will supervise antipsychotic research team. (2) BS/MS to join neuropharmacology laboratory. EEG experience preferred.

GI

(1) Ph.D. with demonstrated competence in motility or secretion. Candidate should have a good general grasp of pharmacology and a strong chemistry background. (2) BS/MS to join GI laboratory. Background in autonomic or cardiovascular pharmacology.

BIOCHEMISTRY

Senior Biochemist

Ph.D. in life sciences plus significant drug metabolism experience with prime pharmaceutical firm. Quality of research should be demonstrated by publications and peer recognition. Inter-disciplinary teamwork capability essential. Expertise in GC/MS and pharmacokinetics a strong asset.

Campus setting in suburban Wilmington, 25 miles south of Philadelphia. Compensation and benefits compare favorably with major American pharmaceutical houses. Please write, stating salary expectation.

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- Finance and engineering
- Mining engineering and geology
- Systems analysis and/or systems engineering
- Finance and science or engineering
- Engineering or science and economics
- Political science and technology assessment
- Engineering and atmospheric science
- Biochemistry of repair mechanisms

Regular, term, or sabbatical appointments are available.

Oak Ridge Associated Universities is a private nonprofit association of 45 universities. It conducts programs of research, education, information and human resources development in health, energy, and the environment.

For application, send résumé to:

Jim Horton
OAK RIDGE ASSOCIATED UNIVERSITIES
P.O. Box 117
Oak Ridge, Tennessee 37830

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POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATES. Two positions are available: (i) interests in interrelationships between cardiovascular and glucose regulation in the pathogenesis of circulatory shock; and (ii) interests in pulmonary metabolism and ion transport processes. Available immediately. Applicants send résumé and two letters of reference to: **Dr. James P. Filkins, Department of Physiology, Stritch School of Medicine, Loyola University of Chicago, Maywood, Illinois 60153. Equal Opportunity/Affirmative Action Employer.**

SENIOR SCIENTIST—BIOLOGICAL RESEARCH. CIBA-GEIGY Pharmaceuticals Research Division is seeking a Ph.D., preferably in pharmacology or physiology with 2 years of postdoctoral study. Major emphasis of training should be physiopharmacological aspects of cell biology as it relates to inflammation and allergy. This position will provide scientific expertise in the development of research and screening programs. Independent research will be in the areas of cellular membrane function, tissue physiopharmacology, and cell receptors. These investigations will be complementary to our ongoing allergy and inflammation research and drug development. Candidates should have publications which substantiate ability to conduct independent research in these areas. We offer an attractive salary and benefits package, and are located in suburban Westchester County. Qualified applicants should send detailed résumé, including salary history and requirements, in confidence, to: **Steve Strobach, CIBA-GEIGY Corporation, Saw Mill River Road, Ardsley, New York 10502. An Equal Opportunity Employer, M/F.**

SENIOR TOXICOLOGIST

We are seeking a senior toxicologist with a Ph.D. or D.V.M. who will be involved in safety testing of new drugs and other chemical compounds, the design of experiments, preparation of protocols, and the interpretation of clinical laboratory data. International Research and Development Corporation is a rapidly expanding contract research laboratory located near Kalamazoo, Michigan. The starting salary is open and the benefits package is excellent.

Please submit résumé including salary history to:

**J. M. Ragen, Director, Personnel
International Research and
Development Corporation
Mattawan, Michigan 49071
Equal Opportunity Employer**

STUDY DIRECTOR

Committee on Vision, Assembly of Behavioral and Social Sciences, National Academy of Sciences/National Research Council, seeks a study director. Responsibilities include writing and technical editing of committee working group reports, liaison with committee executive council and working groups, and organization of meetings. Qualifications include Ph.D. or equivalent in psychophysics or psychophysiology of vision, 2 to 5 years of relevant research experience, effective oral and written communication skills, and administrative experience. Submit résumé and samples of published writing to: **Dr. Milton A. Whitcomb, Committee on Hearing, Biocoustics and Biomechanics, National Academy of Sciences, 2101 Constitution Ave., NW, Washington, D.C. 20418. An Equal Opportunity Employer.**

TOXICOLOGIST

Inhalation toxicologist needed to join a multidisciplinary team investigating the health effects of environmental/occupational exposures. Applicants should have a doctorate degree in toxicology, pharmacology, or a related field and experience in respiratory exposure of laboratory animals. Send résumés to **M. L. Bradley, Enviro Control, Inc., 11300 Rockville Pike, Rockville, Maryland 20852.**

An Affirmative Action/Equal Opportunity Employer

POSITIONS OPEN

RESEARCH ASSOCIATE

Research associate position is available for candidate with Ph.D. (electrical engineering) and postdoctoral training in neurobiology to work on projects investigating neural correlates of modifiable behavior in *Aplysia*. Experience with electrophysiological recording techniques and a background in control theory involving computer analyses of electrical properties of nerve cells is essential. Starting salary of \$11,880. Send curriculum vitae and names of three references to the **Chairman, Department of Physiology and Biophysics, University of Kentucky College of Medicine, Lexington, Kentucky 40506.**

An Equal Opportunity/Affirmative Action Employer

RESEARCH DEPARTMENT

The Swiss Serum and Vaccine Institute Berne, Switzerland, is seeking applications from qualified

VIROLOGISTS

Applicants should have strong background in tissue culture and virology. Areas of competence should include human diploid cell culture methodology, virus vaccine research and development.

We offer excellent benefits. Salary commensurate with experience. Send curriculum vitae, bibliography, and references to:

**The Director
Swiss Serum and Vaccine Institute Berne
P.O. Box 2707
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**Dr. Trudy Forte
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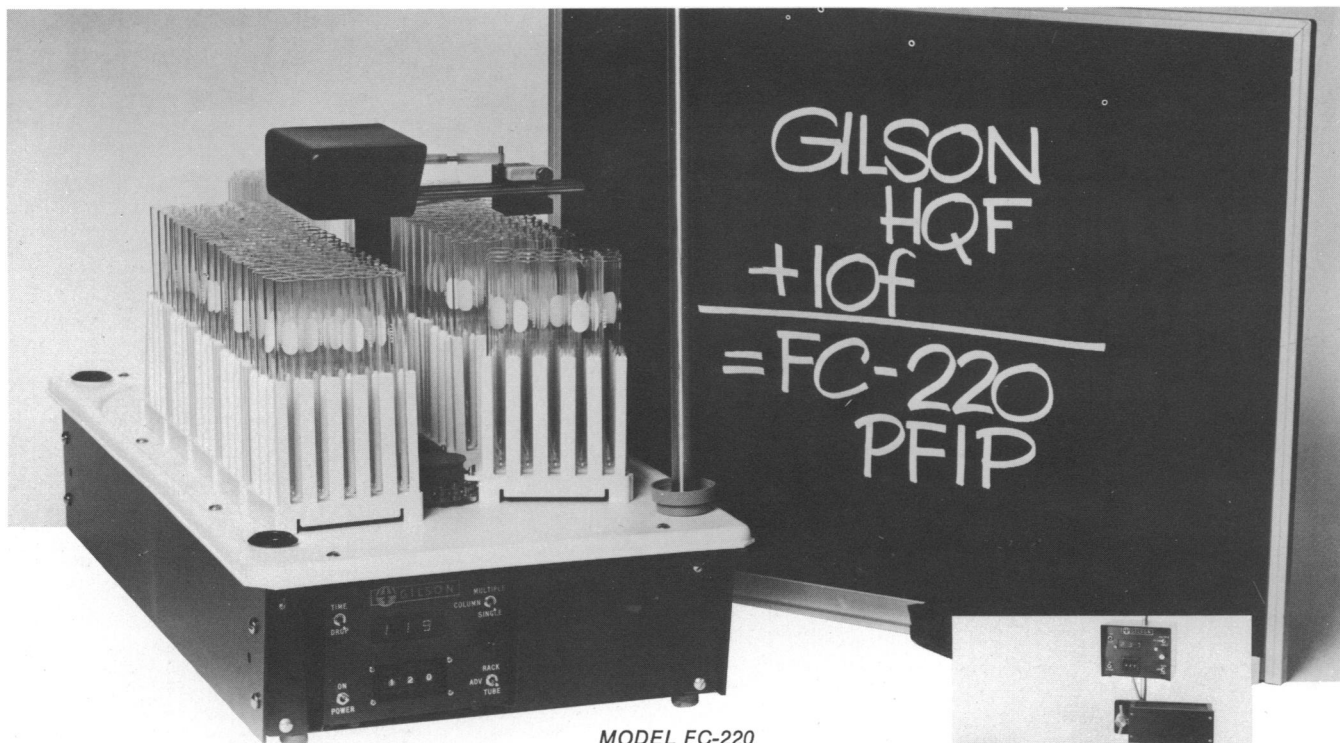
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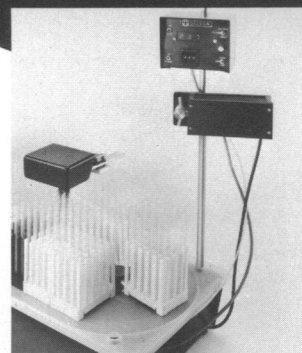
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