

(Wiley), New York, 1975. xii, 262 pp., illus. \$30.

Solar Homes and Sun Heating. George Daniels. Harper and Row, New York, 1976. viii, 180 pp., illus. \$8.95.

Somatosensory and Visceral Receptor Mechanisms. Proceedings of a symposium, Leningrad, Oct. 1974. A. Iggo and O. B. Ilyinsky, Eds. Elsevier, New York, 1976. xiv, 314 pp., illus. \$45.95. Progress in Brain Research, vol. 43.

Sounds and Signals. How We Communicate. Charles T. Meadow. Published for the Franklin Institute by Westminster Press, Philadelphia, 1975. 94 pp., illus. Cloth, \$6.50; paper, \$4.50. A Franklin Institute Book.

Sources of Information in Water Resources.

An Annotated Guide to Printed Materials. Gerald J. Giefer. Water Information Center, Port Washington, N.Y., 1976. xviii, 290 pp. \$23.50.

Soviet Industrial Import Priorities. With Marketing Considerations for Exporting to the USSR. Christopher E. Stowell assisted by Neal Weigel with chapters by Edward Maguire and Erast Borissoff. Praeger, New York, 1975. xxxii, 510 pp. \$30. Praeger Special Studies in International Economics and Development.

Speech Recognition. Papers from a symposium, Pittsburgh, Apr. 1974. D. Raj Reddy, Ed. Academic Press, New York, 1975. xiv, 542 pp., illus. \$17.

Statistical Quality Control Methods. Irving

W. Burr. Dekker, New York, 1976. xii, 522 pp., illus. \$29.50. Statistics, vol. 16.

Statistics. A First Course. John E. Freund. Prentice-Hall, Englewood Cliffs, N.J., ed. 2, 1976. x, 374 pp., illus. \$11.25.

The Stress of Life. Hans Selye. McGraw-Hill, New York, ed. 2, 1976. xxviii, 516 pp. \$8.95.

Structuralism in Sociology. An Approach to Knowledge. Fred E. Katz. State University of New York Press, Albany, 1976. x, 218 pp. \$15.

Structure and Dynamics of Land Use. Peter Brooke Clibbon with the assistance of Gilles Paré and five others. Les Presses de l'Université de Montréal, Montréal, 1975. xxx, 370 pp., illus. Paper, \$12. Ecologie de la Zone del'Aéroport International de Montréal.

Studies in Graph Theory. D. R. Fulkerson, Ed. Mathematical Association of America, Washington, D.C., 1975. Two volumes, illus. Part 1. xii, 200 pp. + index. \$10. Part 2. xii + pp. 201-414 + index. \$10. MAA Studies in Mathematics, vols. 11 and 12.

Subject and Topic. Papers from a symposium, Santa Barbara, Calif., Mar. 1975. Charles N. Li, Ed. Academic Press, New York, 1976. xiv, 594 pp. \$21.50.

Surface and Colloid Science. Vol. 8. Egon Matijević, Ed. Wiley-Interscience, New York, 1976. viii, 420 pp., illus. \$32.

Taxonomy and Evolution of Liontail and Pig-tail Macaques. (Primates: Cercopithecidae). Jack Fooden. Field Museum of Natural History, Chicago, 1975. x, 170 pp., illus. Paper, \$7.50. Fieldiana: Zoology, vol. 67.

Transcultural Aspects of Psychiatric Art. Proceedings of a congress, Boston, 1973. Irene Jakab, Ed. Karger, Basel, 1975. xiv, 294 pp., illus. \$51.75. Psychiatry and Art, vol. 4.

Ultrasonics International 1975. Proceedings of a conference, London, Mar. 1975. IPC Science and Technology Press, Guildford, Surrey, England, 1975. 284 pp., illus. £20.

Understanding Your Feelings and Emotions. Paul Thomas Young. Prentice-Hall, Englewood Cliffs, N.J., 1976. xiv, 178 pp. Cloth, \$7.95; paper, \$3.95.

The Universe. Its Beginning and End. Lloyd Motz. Scribner, New York, 1976. xiv, 344 pp., illus. + plates. \$14.95.

The Universe and Its Structure. Beryl E. Clotfelter. McGraw-Hill, New York, 1976. viii, 438 pp., illus. \$12.95.

The Unsettled Earth. Robert R. Jones, Ed. Ann Arbor Science Publishers, Ann Arbor, Mich., 1975. viii, 112 pp., illus. Paper, \$6.95.

Urinalysis in Clinical Laboratory Practice. Alfred H. Free and Helen M. Free. CRC Press (Chemical Rubber Co.), Cleveland, 1975. x, 284 pp., illus. \$47.50.

Vascular Surgery. William H. Edwards, Ed. University Park Press, Baltimore, 1976. xiv, 258 pp., illus. \$24.50.

Vector Calculus. Jerrold E. Marsden and Anthony J. Tromba. Freeman, San Francisco, 1976. xvi, 450 pp., illus. \$14.95.

Vital Statistics. A Memorial Volume of Selections from the Reports and Writings of William Farr. Published under the auspices of the Library of the New York Academy of Medicine by Scarecrow Press, Metuchen, N.J., 1975. xxiv, 564 pp. \$20. The History of Medicine Series, No. 46. Reprint of the 1885 edition.

Water Relations of Foods. Proceedings of a symposium, Glasgow, Sept. 1974. R. B. Duckworth, Ed. Academic Press, New York, 1975. xviii, 716 pp., illus. \$45.25. Food Science and Technology.



Promote cell growth with new benchtop CO₂ incubator

Designed to meet the most stringent research requirements, this new CO₂ incubator provides a carefully controlled, high-humidity CO₂ environment. The unit has an 8½ cubic foot working chamber, yet needs little bench space. Temperature is electronically controlled from ambient to 70°C, and CO₂ tension is maintained from ambient to 20%. Other features include an automatic CO₂ recovery system, a visible water reservoir and a self-decontamination system. NBS manufactures a broad line of environmental chambers for incubation, humidification, refrigeration and controlled temperature shaking.



Biological bench-top incubator



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Personnel Placement

POSITIONS WANTED

Extrovert, **Biologist**, Ph.D. 1974. Thesis and postdoctoral research include microscopy, tissue culture, nucleic acids chemistry, and enzymology. Publications. Desires sales position, selling scientific products. Box 254, SCIENCE. X

Biophysical Chemist. Ph.D. 1973, Princeton University. NIH postdoctoral fellow. Experience in spectroscopic studies of macromolecules (UV, visible, NMR, IR) high-pressure spectroscopic techniques, computer programming. Publications. Desires R & D or administrative position. Box 255, SCIENCE. X

Cardiac Cell Physiologist. Ph.D. 1973. Seeks industrial or academic research position studying membrane characteristics and drug-related effects. Available July 1976. Publications. Box 256, SCIENCE. X

Fisheries Biologist/Estuarine Ecologist/Penaeid Shrimp Biologist. Ph.D. Five years of experience in estuarine and coastal environments in the United States and Latin America. Publications. Desires challenging, responsible position in consulting, research, management, or development of coastal water resources. Box 257, SCIENCE. X

Ph.D. away from field for 5 years, wishes to return. Competent lab person Friday. Knowledgeable in cell biology techniques. Box 258, SCIENCE. X

Physicist, Ph.D. Unemployed. Teaching experiences, professional programmer, extensive programming and numerical analysis experiences, mathematical modeling. Seeks research and/or teaching. Box 259, SCIENCE. X

Research post required. M.Sc., Ph.D. pharmacology (September 1976). Experience: muscle electrophysiology, electron microscopy, tissue culture. Publications. Curriculum vitae and references on request. A. F. R. Wolfe, Strathclyde University, Glasgow, G1 1XW, Great Britain. X

Foreign-born **Scientist**, with strong background in hydrological and planktological investigations and much experience in work at sea and in lagoon and estuarine environments, seeks research or academic position. Available around June 1976. Box 260, SCIENCE. 5/28; 6/4, 11, 18

Science Generalist/Psychophysiologist. Ph.D. Long academic experience, consulting, some clinical, publications. Seeks unusual or unique position in borderline and/or interdisciplinary science. Academic, industry, government, or foundation. Preferably Southwest, but will relocate. Will travel. Box 261, SCIENCE. X

Toxicologist (Ph.D. June 1976). Three years of industrial experience. Seven years of contract lab experience. Teaching experience. Publications—ultrastructure-histochemistry (SEM-TEM). Prefers Midwest or West. Box 252, SCIENCE. X

POSITIONS OPEN

The Department of Neurology, UCLA School of Medicine, San Fernando Valley Medical Program, is seeking applicants for the following full-time academic positions: **assistant professor** level for **NEUROLOGIST** with research interest in neurochemistry. **POSTDOCTORAL FELLOWS** in neurochemistry (Ph.D.) (protein synthesis and development, one; cyclic nucleotides, one). Applicants are requested to submit a curriculum vitae and reprints to **Claude G. Wasterlain, M.D., Head, Division of Neurology, Veterans Administration Hospital, Sepulveda, Calif. 91343. UCLA is an Equal Opportunity/Affirmative Action Employer and is desirous of receiving applications from minority and women candidates as well as other qualified persons.**

POSITIONS OPEN

ANATOMY

One junior faculty position available as of 1 July 1976. Ph.D., M.D., or D.D.S. required. Teaching areas open in anatomy courses for dental or medical students. Research area open. Submit curriculum vitae and the names of three references to:

Dr. W. Lane Williams, Chairman
Department of Anatomy
University of Mississippi Medical Center
2500 North State Street
Jackson, Mississippi 39216
An Equal Opportunity Employer, M/F

ANATOMIST. The Department of Anatomy, University of Louisville Health Sciences Center, invites applications for an appointment as assistant professor or associate professor effective 1 July 1976. Preference will be given to candidates with teaching interests in embryology—gross anatomy. Research interests are open, but strong indications of promise or achievement, as experience warrants, are desired. Send résumé and personal statement to **Dr. J. B. Longley, Department of Anatomy, University of Louisville Health Sciences Center, Box 1055, Louisville, Kentucky 40201. The University of Louisville is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT DIRECTOR

The University of Wisconsin Regional Primate Research Center is seeking candidates for the position of assistant director. The mission of the Center is to conduct basic research in the areas of reproduction, neuroscience, and behavior of nonhuman primates. Candidates should hold the Ph.D. or equivalent degree and have at least 3 years of postdoctoral research experience in a field closely related to the Center's mission. Administrative experience in the management of grant funds and in personnel matters is desirable but not required. The successful candidate may pursue his personal research interests on as much as a 50 percent basis. Salary will be commensurate with training and experience. Interested and qualified candidates should send their curriculum vitae, bibliography, and names of three references by 1 July 1976 to:

Search Committee
Wisconsin Regional Primate Research Center
1223 Capitol Court
Madison, Wisconsin 53706
An Equal Employment Educational Institution
(Title IX, Title VI)

ASSISTANT PROFESSORS

Applications are invited for two positions at the level of assistant professor in the Section of Developmental Therapeutics of the Yale Comprehensive Cancer Center; academic appointments and teaching will be in the Department of Pharmacology. Applicants must have the Ph.D. degree, postdoctoral experience, and a strong commitment to the collaborative and independent research programs necessary for the development of antineoplastic agents. One position is for a **medicinal chemist** with interest and experience in synthesis of anticancer agents and the other for an individual trained and experienced in **biochemistry, pharmacology, and/or molecular biology or virology** with special interest in elucidating the molecular mechanism of action of cytotoxic agents. Interested candidates should send curriculum vitae, transcripts, reprints, description of areas of research interests, and the names of three possible references by 15 June 1976 to **Dr. Alan C. Sartorelli, Department of Pharmacology, Yale University School of Medicine, New Haven, Connecticut 06510. Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF PHARMACOLOGY. Fall 1976. Applications are invited from persons holding a Ph.D. degree in pharmacology and who have a genuine research interest in the area of biochemical neurochemistry. Expertise with a broad spectrum of research techniques is required, to aid in the development of research projects concerned with neurogenic mechanisms in the CNS. Undergraduate and graduate teaching will form part of the assigned duties. Curriculum vitae should be sent to **Dr. David E. Clarke, Director of Pharmacology, College of Pharmacy, University of Houston, Houston, Texas 77004. The University is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

ANALYTICAL CHEMIST, Ph.D., to head chemistry department, Long Island location. Position requires some experience in chemical oceanography. Send résumé and references to: **Director, New York Ocean Science Laboratory, Montauk, N.Y. 11954. An Equal Opportunity/Affirmative Action Employer.**

DEPARTMENT OF ANATOMY. Two assistant professors, M.D. or Ph.D. with postdoctoral research and teaching experience along with publications and ability to develop independent research program. One with teaching interest in gross anatomy and the other in neural anatomy. Please send curriculum vitae, reprints, and the names of at least three references to: **Dr. T. Barka, Professor and Chairman, Department of Anatomy, THE MOUNT SINAI SCHOOL OF MEDICINE, 100 and Fifth Avenue, New York, N.Y. 10029. An Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF BIOCHEMISTRY—One-year appointment starting September 1976, with the possibility of renewal for a second year. At least 1 year of postdoctoral experience and a desire to teach undergraduate and graduate biochemistry courses are required. Research interest in lipids or glycoproteins is preferred. Completed applications including a curriculum vitae and three letters of recommendation must reach **Professor H. R. Fevold, Chairman of the Search Committee, Department of Chemistry, University of Montana, Missoula, Montana 59801**, by 30 June 1976. *The University of Montana is an Equal Opportunity Employer. Women and minorities are encouraged to apply.*

ASSISTANT PROFESSOR—BIOCHEMISTRY. Available 1 August 1976 for candidate with research experience in mammalian growth and development, cell culture, cellular immunology, or organelle function. Experience and interest to teach and interact in strong undergraduate and graduate programs, Ph.D., and postdoctoral experience required. Send applications, including curriculum vitae, three letters of reference, list of publications, and description of proposed research by 15 July 1976 to: **Dr. B. M. Anderson, Head, Biochemistry Department, Virginia Polytechnic Institute and State University, Blacksburg, Va. 24061. An Affirmative Action/Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF BIOLOGY. Permanent position. September 1976. Postdoctoral experience in basic research and evidence of potential for creative scholarship desirable. Microbiology, plant physiology, and field botany: about 12 contact hours including one or two laboratory sections of 25 students. Will join active staff of six with 100 publications including major textbooks. Majors, 46 percent annual increase in the past 4 years. Premeds, 83 ± 3 percent acceptance by medical schools. College, 1350 male undergraduates in traditional liberal arts college in historic town of 5000 surrounded by national forest, upper Shenandoah. Position filled on teaching ability and scholarly attributes. *All qualified applicants are encouraged regardless of race or sex. We are an Equal Opportunity Employer.* Class 1 salary AUP. Inquire: **Head, Department of Biology, Washington and Lee University, Lexington, Va. 24450. Telephone: 703-463-9111, extension 268.**

ASSISTANT PROFESSOR OF MICROBIOLOGY

A position is available for an outstanding candidate at the assistant professor level. Candidates should be pursuing research in the microbiological field of DNA viruses emphasizing restriction enzymes, digestion patterns, viral genome, physical mapping, and possibly sequencing. Postdoctoral research experience in the field and profound publications essential. The position is available 1 June 1976. Applicants should write to:

Sheldon Dray, M.D., Ph.D.
Chairman, Department of Microbiology
University of Illinois at the Medical Center
835 South Wolcott
P.O. Box 6998
Chicago, Illinois 60680

The University of Illinois at the Medical Center is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR OF INTRODUCTORY BIOLOGY—A 1-year position for a visiting assistant professor to give a lecture course in introductory biology for nonmajors in the fall term, and to participate in the introductory course for majors in the spring term. The most important factor in selection will be demonstrated teaching ability in large lectures. An applicant's field of research is of secondary importance. Please send curriculum vitae and three letters of recommendation before 1 July 1976 to: **Dr. Frank C. Erk, Department of Cellular and Comparative Biology, State University of New York at Stony Brook, Stony Brook, New York 11794.** An Equal Opportunity/Affirmative Action Employer.

ASSOCIATE PROFESSOR—DEPARTMENT OF OBSTETRICS AND GYNECOLOGY at the University of South Dakota School of Medicine. Qualifications: Ph.D. in biochemistry; experience in steroid biochemistry and protein biochemistry; required experience in undergraduate Medical Education Program; research experience necessary; postdoctoral education preferred. Primary responsibility will be to direct OB/Gyn perinatal research effort. Salary negotiable. Position available 1 July 1976. Please send curriculum vitae, bibliography, and references to **Chairperson, Search Committee, Department of Obstetrics and Gynecology, Room 145, University of South Dakota School of Medicine, Vermillion, S.D. 57069.** Closing date for applications is 15 June 1976. Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF WISCONSIN

The Department of Genetics invites applications for a potential position in **plant genetics** at the **assistant professor** level. Applicants should have interests and experience in techniques, such as those of molecular biology and plant cell culture, relevant to the improvement of economically important plants. They should possess the Ph.D. degree and have had postdoctoral experience. Participation in undergraduate and graduate teaching in the department is expected in addition to an active research program. Applicants should submit a curriculum vitae, a statement of research plans, and have three letters of recommendation sent to: **Chairman, Plant Genetics Search Committee, Department of Genetics, University of Wisconsin—Madison, Madison, Wisconsin 53706.** The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.

VISITING ASSISTANT PROFESSOR, ZOOLOGY

To teach two-semester introductory-level course in human anatomy physiology, upper-level course in cell or comparative physiology, and other upper-level course of choice. One-year appointment starting September 1976. Ph.D. with specialization in physiology. Send résumé to **Box 241, Waterman Building, University of Vermont, Burlington, Vermont 05401.** An Affirmative Action Employer

CHILD PSYCHIATRIST. Louisiana State University Medical School. Excellent salary and fringe benefits. *Equal Opportunity Employer.* Send curriculum vitae and references to: **Department of Psychiatry, P.O. Box 3932, Shreveport, Louisiana 71130.**

DEVELOPMENTAL BIOLOGIST

A position at the assistant professor level will be available beginning 1 January 1977 in the Department of Zoology, University of Maryland. The applicant must have earned the Ph.D. and be competent to teach an undergraduate course in vertebrate embryology and graduate courses in experimental developmental zoology and/or some related area of specialization. He or she must be qualified to direct graduate students and pursue an active research program in developmental biology. Experimental research on biochemical and cellular aspects of development and postdoctoral research experience are preferred. *We are an Equal Opportunity and Affirmative Action Employer.* Send curriculum vitae, statement of research interests, and a list of references to **Dr. Dennis Goode, Search Committee Chairman, Department of Zoology, University of Maryland, College Park, Maryland 20742.**

POSITIONS OPEN

BENTHIC MARINE ECOLOGIST

Research position: Applications are invited from benthic marine ecologists with a Ph.D. and experience in the study of animals on hard substrates. Position is as a member of a team evaluating effects on marine biota of heated effluents from a power plant in San Diego County, California. This is an independent study funded by a committee appointed by the California Coastal Zone Conservation Commission. Position open as of 1 July 1976. Salary and rank commensurate with qualifications and experience. Applications with curriculum vitae and details of training and experience in research on hard substrates should be sent to: **Dr. Joseph H. Connell, Chairman, Marine Review Committee, Department of Biological Sciences, University of California, Santa Barbara, Calif. 93106.** Applications must be received before 30 June 1976. An Equal Opportunity/Affirmative Action Employer

BIOCHEMIST, Ph.D., with at least 2 years of postdoctoral research experience in general area of lung cell biochemistry, for **research associate** position in Department of Medicine. Curriculum vitae and list of references to: **Dr. J. Bernard L. Gee, M.D., Department of Medicine, Yale University School of Medicine, 333 Cedar Street, New Haven, Conn. 06510.** Deadline for receipt of applications is 18 June 1976. *Yale is an Equal Opportunity/Affirmative Action Employer. Women and minority group members are encouraged to apply.*

Marquette University School of Dentistry is seeking a **BIOCHEMIST-NUTRITIONIST** for its basic science faculty. Must have Ph.D. Responsibilities will include teaching nursing, dental hygiene, and dental students. Depending on credentials, the applicant could also be considered for the position of chairman, Department of Basic Sciences of the School of Dentistry. Send curriculum vitae to **Dr. Joseph Abramowitz, Associate Dean, Marquette University School of Dentistry, 604 North 16 Street, Milwaukee, Wisconsin 53233.** An Equal Opportunity Employer.

BIOLOGY

Visiting assistant or associate professor of biology. A doctoral degree with specialization in plant biology. Will teach plant biology, genetics, and general biology. Minimum of 4 years of college-level teaching experience.

Salary range from \$12,340 to \$17,830 plus \$3,600 housing allowance and \$1,000 relocation expenses. Position available 15 August 1976.

Send résumé and letter of application to **Chairman, Division of Science and Mathematics, College of the Virgin Islands, St. Thomas, U.S. Virgin Islands 00801.**

The College provides an Equal Opportunity to all candidates.

BOTANICAL SCIENTIST. Position open September 1976 to teach beginning plant science, plant physiology, and possibly aquatic biology. Ph.D. required. Commitment to undergraduate education essential; research encouraged. Rank of assistant professor; salary competitive. Submit résumé and three letters of reference by 15 June 1976 to **Dr. J. L. Chamberlain, Department of Biology, Utica College of Syracuse University, Utica, New York 13502.** An Equal Opportunity and Affirmative Action Employer.

CARDIOTHORACIC SURGEON; requires experience as an independent operating surgeon in the fields of coronary artery surgery, acquired valvular, congenital heart disease and in general thoracic surgery. Full-time position. *Equal Opportunity/Affirmative Action Employer.* **Department of Surgery, School of Medicine, University of Washington, Seattle, Washington 98195.** For additional information contact **Dr. David H. Dillard** at the above address.

CHIEF OF SURGERY at the Seattle Veterans Administration Hospital as a member of the University of Washington faculty in the Department of Surgery, level at associate professor or above. Administration of specialties to include neurosurgery, orthopedics, urology, ENT, and plastic and maxillofacial surgery. Must be a capable technical surgeon, have abilities in research at the laboratory and clinical level and demonstrated ability in formal teaching. Full-time position. *Equal Opportunity/Affirmative Action Employer.* **Department of Surgery, School of Medicine, University of Washington, Seattle, Washington 98195.** For additional information contact **Dr. David H. Dillard** at the above address.

POSITIONS OPEN

THE FOLLOWING THREE TEMPORARY POSITIONS IN BIOLOGY MAY BE AVAILABLE AT WESTERN MICHIGAN UNIVERSITY FOR THE 1976-77 ACADEMIC YEAR.

Animal Physiologist with major interest in mammalian physiology.

Geneticist with major interest in human genetics.

Histologist—Comparative Chordate Anatomist with strong zoological background.

Duties include teaching courses at both undergraduate and graduate level with some opportunity for research. All three positions are at assistant professor rank, Ph.D. required. Send curriculum vitae, statement of interests, three letters of reference to **Dr. Richard W. Pippen, Acting Chairperson, Biology Department, Western Michigan University, Kalamazoo, Michigan 49008.**

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PHILOSOPHY OF BIOLOGY AND MEDICINE

The Kennedy Institute, Georgetown University, will establish an **Endowed Chair in the Philosophy of Biology and Medicine.** Candidates are invited to submit a curriculum vitae to: **Professor Jesse A. Mann, Department of Philosophy, Georgetown University, Washington, D.C. 20057.**

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a developing institution in central Maine emphasizing environmental sciences has faculty openings:

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Write for details: **Office of President, Unity College, Unity, Maine 04988.**

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CHIEF, ENDOCRINOLOGY SECTION—Louisiana State University Medical School in New Orleans, Department of Medicine, is recruiting for an M.D. to head the Section of Endocrinology. Demonstrated research interest and teaching experience required. Send curriculum vitae and references to **A. Lopez-S., M.D., Department of Medicine, Louisiana State University Medical School, 1542 Tulane Avenue, New Orleans, Louisiana 70112.** Louisiana State University is an Equal Opportunity/Affirmative Action Employer.

CHILD DEVELOPMENT SPECIALIST. Applicants must be Board-certified in pediatrics and have completed an appropriate fellowship program in child development and/or mental retardation or equivalent experience, and qualified for appointment at the assistant professor level. Seeking individual with demonstrated research productivity and with interest in teaching in an interdisciplinary setting including both normal and handicapped infants and children. Send résumé or inquiries to **Clifford J. Sells, M.D., Chairman, Search Committee, CTU/CDMRC (WJ-10), University of Washington, Seattle, Wash. 98195.** An Equal Opportunity/Affirmative Action Employer.

MANGANESE RESEARCH

The Scientific Advisory Committee of the Manganese Nodule Project sponsored by the office for the International Decade of Ocean Exploration, National Science Foundation, invites scientists interested in participating in a multidisciplinary program of manganese nodule research to submit letters of intent outlining their proposed research. These letters of intent will be evaluated by the Scientific Advisory Committee within the framework of a comprehensive program, which has as its goal the understanding of the processes responsible for the formation of marine manganese nodules. Endorsement by the Scientific Advisory Committee neither ensures nor implies funding. All final proposals will be evaluated by the National Science Foundation.

The letter of intent should not exceed five pages. Tentative budgets should be included but detailed justifications are not necessary at this time. The letter of intent must be received prior to 14 June 1976 to be considered for inclusion in the 1977 research program. The letter and any further questions should be directed to:

**J. Greenslate, A-015
Scripps Institution of Oceanography
La Jolla, California 92093
Telephone: 714-452-4369**

CLINICAL MONITOR

Cordis Dow, a young, rapidly growing manufacturer of the artificial kidney and related life support systems, has a need for a scientist with a MS or PhD degree preferably in physiology, biochemistry or biomedical engineering. Experience in renal dialysis would be helpful.

This individual will monitor clinical trials of new products both at the home office and in the field. 50% travel is required. Technical assistance will be offered to customers and product performance studies will be conducted and analysed.

We offer a competitive starting salary and excellent benefits. This position is headquartered in Miami, Florida.

For consideration, please send resume and salary requirements to: Mr. K. L. Greig, Cordis Dow Corp., P.O. Box 450990, Miami, Florida 33145.



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P.O. Box 450990
Miami, Florida 33145, U.S.A.

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Director Biomedical Research

This position carries responsibility for Medicinal Chemistry, Pharmacology, Safety Evaluation, and Veterinary Medicine in an expanding Pharmaceutical Research Department dedicated to excellence. The incumbent reports to the General Manager, Pharmaceutical Research and Development.

Candidate should be recognized for scientific contribution in Pharmacology or Medicinal Chemistry, with demonstrated achievement in the Pharmaceutical industry. Personal qualities of leadership and critical evaluation to stimulate scientific inquiry are essential. The need for management and administrative skills is inherent.

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Employee Relations



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U. S. Food and Drug Administration Rockville, Maryland

The U. S. Food and Drug Administration, Public Health Service, Department of Health, Education and Welfare is seeking candidates for the positions of Director of Cardio-Renal Products and Director of Neuropharmacological Drug Products. Responsibilities include the review of New Drug Applications (NDA's) and Notices of Claimed Investigational Exemptions for New Drugs (IND's). The Cardio-Renal position reviews are for cardiovascular, antihypertensive and gastroenterological drugs while the Neuropharmacological reviews involve neurologic and psychopharmacologic drugs. Division Directors are responsible for formulation of policy and development standards and guidelines for the study of new drugs in these areas. They are the chief professional and administrative officers for divisions consisting of between 45 and 60 persons composed of physicians, pharmacologists, chemists, psychologists, other professionals in terms of the scientific and clinical evidence on the safety and effectiveness of the new drugs regulated by these divisions.

The position of the Director of the Division of Cardio-Renal Drug Products requires a physician of outstanding professional ability with recognized expertise in cardiology or hypertension. The position of the Director of the Division of Neuropharmacological Drug Products requires a neurologist or psychiatrist of outstanding professional competence and recognized expertise in neurology or psychiatry. A clinical psychologist (Ph.D.) of unusually outstanding credentials may be considered for the latter position. Applicants require accurate judgment, the ability to plan and organize work, effectiveness in writing, speaking and interpersonal skills, and demonstrated outstanding administrative abilities.

The positions provide professional recognition and continuing contacts with colleagues, good salary, comprehensive fringe benefits, and excellent job security. Applicants must be United States citizens. Eligibility is based upon Civil Service regulations. Salary ranges from \$36,338 to \$37,800 a year. The Food and Drug Administration is an Equal Opportunity Employer. Send resume to: FDA Division of Personnel Management (HFA-400, Frank Mischou), Room 4B-44, 5600 Fishers Lane, Rockville, Maryland 20852.

INDUSTRIAL HYGIENIST

Olin Corporation seeks a professional industrial hygienist for the Environmental Hygiene and Toxicology Department of its Corporate Staff.

Qualifications should include a graduate degree, preferably a PhD in Industrial Hygiene. American Board of Industrial Hygiene Certification highly desirable. Applicant should be skilled in communicating technical findings and control recommendations to management.

Position is in New Haven, Conn., and requires approximately 33% travel to other plant locations to conduct industrial hygiene surveys.

Excellent compensation package includes salary commensurate with background, and excellent opportunity for continuing professional growth.

Send detailed resume and salary history in confidence to: M. A. Mangiere. (All inquiries will be held in strict confidence.)



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POSITIONS OPEN

CHAIRPERSON FOR DEPARTMENT OF HUMAN ANATOMY

SCHOOL OF DENTISTRY

Fairleigh Dickinson University is searching for a full-time chairperson for the Department of Human Anatomy. Teaching responsibilities encompass gross anatomy, histology, embryology, and neuroanatomy. A Ph.D., M.D., or D.D.S. required along with a minimum of 5 years of teaching experience in anatomy in a dental or medical school. Must have ability to direct a graduate program in human anatomy leading to M.S. degree. Salary commensurate with training and experience.

Send curriculum vitae and letters of reference no later than 15 June 1976.

V. Collins, Employment Officer

FAIRLEIGH DICKINSON UNIVERSITY

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UNIVERSITY OF

CAPE TOWN

LECTURER IN ZOOLOGY

Applications are invited for the above post which falls vacant on 1 February 1977. Appointment, according to qualifications and experience, will be made on the salary scale R6300 × 360 to R9180.

In addition to taking part in the teaching activities of the department, the successful applicant will be expected to undertake research.

Applicants should submit a curriculum vitae, stating present salary, research interests and publications, when available if appointed, and the names and addresses of three referees.

Memoranda concerning the position and further information should be obtained from **The Registrar, Room 1, University of Cape Town, Private Bag, Rondebosch, 7700, South Africa**, by whom applications must be received not later than 30 June 1976.

Appointment will be subject to a satisfactory medical examination. The University reserves the right to appoint a person other than one of the applicants or to make no appointment.

DEPUTY ASSISTANT ADMINISTRATOR FOR HEALTH AND ECOLOGICAL EFFECTS

The Environmental Protection Agency (EPA) is seeking a manager with a strong background in health and ecological effects who will be responsible for the planning, management, and evaluation of a large multidisciplinary research and development office made up of staff offices and field laboratories. The mission of the office is to develop health and ecological data needed for the establishment of standards and criteria for those components of the environment in which specific pollutants or activities may require control; determine the fate, transport, and exposure effect of environmental pollutants; develop and verify methods and models for analyzing the socioeconomic impact of environmental degradation; assess the environmental and socioeconomic impacts of existing and proposed policies and standards; and coordinate Agency policies and programs related to carcinogens and similar agents. Candidates must have a bachelor's or higher degree (preferably Ph.D. and/or M.D.) with major study in biological, health, or physical sciences and extensive (3 years or more) experience relating to the mission of the office. At least 1 year of this experience must have been in a high-level management position. Location: Washington, D.C. Salary: \$37,800 plus Civil Service benefits. Contact: Please send a detailed résumé or a completed Standard Form 171 (Personal Qualifications Statement), which can be obtained from any federal government personnel office, to reach EPA no later than 17 June 1976, to:

Brenda Cunningham (PM-212)
Personnel Management Division
Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460

An Equal Opportunity Employer

FACULTY POSITION: Assistant or associate chemist level. To develop and lead vigorous program in fundamental and applied areas of plant protection. Required Ph.D. in chemistry or biochemistry and added experience in plant protection or pesticides. Salary negotiable. Job description on request. Send complete résumé, statement of future research interests, and names of three references by 15 July to **Frank Loewus, Chairman, Department of Agricultural Chemistry, Washington State University, Pullman, Wash. 99163**. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

POSITIONS OPEN

The Deep Sea Drilling Project, Scripps Institution of Oceanography, University of California, San Diego, is currently seeking to fill positions for qualified **EARTH SCIENTISTS**. Several positions exist as project staff scientists who will engage in project-related scientific research. Appointment anticipated in the assistant through associate professional research series: salary commensurate with experience. Ph.D. in earth sciences required for all positions. Please send completed résumé and names of at least three referees to **Dr. David G. Moore, Deep Sea Drilling Project, P.O. Box 1529, La Jolla, California 92093**.

The University of California is an Equal Opportunity/Affirmative Action Employer; women and minorities are encouraged to apply.

INSTRUMENTATION ENGINEER needed for modern Department of Biological Sciences, beginning 1 September 1976. Duties include design, fabrication, and modification of electronic, electro-optical, and electromechanical instruments used in biological research and attending to the data processing needs of the staff. B.S. in engineering or physics and a strong interest in instrumentation are required, and 1 to 2 years of experience would be helpful. The salary is competitive. Please reply with full particulars including experience, salary expectations, curriculum vitae, references, and date of availability to **W. L. Pak, Department of Biological Sciences, Purdue University, West Lafayette, Indiana 47907**. Equal Access/Equal Opportunity Employer.

Board-certified **INTERNIST** for Family Practice Program. Prefer 4 to 5 years of experience. Salary negotiable. Submit written résumé to **Personnel Office, Louisiana State University School of Medicine, Box 3932, Shreveport, Louisiana 71130**. Equal Opportunity Employer.

Board-eligible or Board-certified **OBSTETRICIAN** for Family Practice Program. Salary negotiable. Submit written résumé to **Personnel Office, Louisiana State University School of Medicine, Box 3932, Shreveport, Louisiana 71130**. Equal Opportunity Employer.

Board-certified **PEDIATRICIAN** for Family Practice Program. Prefer 4 to 5 years of experience. Salary negotiable. Submit written résumé to **Personnel Office, Louisiana State University School of Medicine, Box 3932, Shreveport, Louisiana 71130**. Equal Opportunity Employer.

LABORATORY ADMINISTRATOR for biology department of undergraduate liberal arts college. Training in biology or related subdiscipline at master's degree level desired. Should have experience in laboratory and/or classroom instruction. Send résumé and names of references to **Dr. Patricia Johnson, Chairman, Department of Biology, Vassar College, Poughkeepsie, N.Y. 12601**. An Affirmative Action/Equal Opportunity Employer.

LABORATORY OF NATIVE DEVELOPMENT, SYSTEMS ANALYSIS, AND APPLIED TECHNOLOGY (NADSAT)

The position of **NADSAT MANAGER** requires an advanced degree or equivalent experience in a field of science or technology relating to natural or human resource development. Experience on American Indian reservations or in a less developed country is essential. The successful candidate will exhibit a basic understanding of the physical and natural sciences as well as of the problems and methods required for transfer of science and technology to Indian reservations. Knowledge of management techniques and status and control methods, and supervisory experience are desirable. Submit résumé with details regarding education (or transcripts) and relevant experience to: **Dr. J. D. Johnson, Director, Office of Arid Lands Studies, 845 North Park, Tucson, Arizona 85719**. The University of Arizona is an Equal Opportunity/Affirmative Action Employer.

ECOLOGY INSTRUCTOR—To teach introductory ecology, field ecology, and resource management to students with varied backgrounds. Opportunity to direct independent study and student research. Expected to take active role in development of Environmental Studies Program. College emphasizes excellence in teaching rather than research. Send résumé and letter to: **Dr. Philip Nanzetta, Dean, Faculty of Natural Sciences and Mathematics, Stockton State College, Pomona, N.J. 08239**. Equal Opportunity Employer.

ENDOCRINE BIOCHEMIST

Fall 1976 opening for an **assistant professor of biological sciences** at Oakland University.

Oakland is a small state-supported institution located 30 miles north of Detroit. The Department of Biological Sciences along with the Institute of Biological Sciences consists of 21 full-time faculty, most of whom are actively involved in biomedical research with grant support (Department and Institute together run nine NIH-supported projects). The Department presently offers bachelor's and master's degrees and participates in health sciences programs. The candidate should have a Ph.D. in biochemistry, about 2 years of postdoctoral experience, and a strong commitment to research. Duties include teaching undergraduate and graduate courses in biochemistry and endocrinology and development of active research program in biochemical aspects of steroid hormones. Apply with curriculum vitae, short description of future research goals, two (2) recent and representative reprints, and three (3) letters of recommendation to:

Dr. Arun K. Roy
Chairman, Selection Committee
Department of Biological Sciences
Oakland University
Rochester, Michigan 48063
An Affirmative Action Employer

ENVIRONMENTAL STUDIES

Faculty position in liberal arts college teaching, advising, and developing field placement opportunities. Ph.D. in discipline related to environmental concerns preferred. Send résumé and credentials to **Dean Harold Germer, Ottawa University, Ottawa, Kansas 66067**. Salary and rank commensurate with background. An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

IMMUNOLOGIST—Position open for a Ph.D. or M.D. at the assistant professor level. Postdoctoral experience required. Prefer research interests in the molecular and genetic aspects of the immune response. Position also involves teaching medical and graduate students. Correspondence to:

Dr. Morton M. Weber
Department of Microbiology
St. Louis University School of Medicine
1402 South Grand Boulevard
St. Louis, Missouri 63104

An Equal Opportunity/Affirmative Action Employer

Rosenstiel School of Marine and Atmospheric Science, Division of Marine Geology and Geophysics, University of Miami. Vacancy for **MARINE GEOPHYSICIST** on the faculty, with responsibilities for some teaching and the development of a marine geophysics program. We desire someone with broad interests, who wishes to go to sea, and who will interact with other members of the Division. Level of appointment will be based on experience. Applications should be sent to **Dr. C. G. A. Harrison, Rosenstiel School of Marine and Atmospheric Science, 4600 Rickenbacker Causeway, Miami, Florida 33149.** *The University of Miami is an Equal Opportunity/Affirmative Action Employer.*

MEMBRANE BIOCHEMIST

Postdoctoral position for full-time research on interactions of taste and olfactory stimulus molecules with receptors. Multidisciplinary research institute. Write with curriculum vitae and your preferred starting date to **Administrator, Monell Chemical Senses Center, University of Pennsylvania, 3500 Market Street, Philadelphia, Pa. 19104.** *An Equal Opportunity Employer.*

MOLECULAR BIOLOGY—IMMUNOLOGY. Postdoctoral fellow wanted with expertise in nucleic acids in general, preparation of complementary DNA, cloning of DNA in bacterial plasmids. Applicants holding Ph.D. please send curriculum vitae, bibliography, and names of four references to: **Dr. U. Storb, Department of Microbiology and Immunology, University of Washington, Seattle, Wash. 98195.** *An Equal Opportunity Employer.*

NEUROBIOLOGIST

Applications are invited for three faculty positions at the assistant or tenured professor levels to be filled by 1 June 1977. Preference will be given to candidates with research interests in anatomical, developmental, and molecular neuroscience. Candidates must have postdoctoral experience and have demonstrated exceptional research talent. At least one of the positions will involve teaching in an integrated, multidisciplinary medical neuroscience course. Applicants should send (before 15 July) a curriculum vitae, the names of three referees, and sufficient supporting material to allow preliminary evaluation of his/her potential for both teaching and research to **Ernest Peck, Chairman of the Neuroscience Search Committee, Department of Cell Biology, Baylor College of Medicine, Houston, Texas 77030.** *Baylor College of Medicine is an Equal Access/Opportunity Employer.*

NEUROPHYSIOLOGIST/PAIN RESEARCH

Faculty position: strong research background and demonstrated competence in neurophysiology of pain and pain mechanisms. Rank dependent on qualifications. Address inquiry to **Dr. T. F. Hornbein, Anesthesia Research Center, Department of Anesthesiology, RN-10, University of Washington, Seattle, Washington 98195.**

An Equal Opportunity Employer

POSTDOCTORAL FELLOW—A postdoctoral fellow is sought to participate in an investigation of the development of retinal function/structure in amphibian tadpoles. Neurophysiological and electron microscopic techniques will be utilized. Prospective fellows having a familiarity with electrophysiological recording methods and visual mechanisms are preferred. Minimum period of participation is 2 years; available immediately. Excellent laboratory facilities and ancillary services. Reply to: **Dr. P. Witkovsky, Department of Anatomical Sciences, Health Sciences Center, State University of New York at Stony Brook, Stony Brook, New York 11794,** with a résumé and the names of two references. *State University of New York is an Affirmative Action Employer.*

POSITIONS OPEN

NEUROPHYSIOLOGIST. Opening for established neurophysiologist at associate professor or professor level. The appointee will assume responsibility for the development of a broad-based course in neurobiology as well as have ample opportunity and time for continuation of his research. It is expected that the appointee will have well-established credentials as an investigator and can bring to the position a high degree of maturity and experience. Contact **Dr. Charles W. Urschel, Department of Physiology, College of Medicine, University of South Alabama, Mobile, Alabama 36688.**

POSTDOCTORAL POSITION in Psychoacoustics Laboratory available. Position is a 1-year appointment. Duties include full-time research in recipient's interest area. Must be in general area of psychoacoustics. Part-time teaching in Psychology Department available. Salary is \$16,000 on 12-month basis. Position may be initiated anytime between 1 July and 1 September 1976 and terminated between 1 June and 31 August 1977. If interested, send résumé to **Dr. Terrence R. Dolan, Director, Parly Hearing Institute, Loyola University of Chicago, Chicago, Illinois 60626.** *Loyola University is an Equal Opportunity/Affirmative Action Educator and Employer.*

POSTDOCTORAL POSITION available starting between 1 July and 1 September for Ph.D. to conduct research in reproductive endocrinology. Applications are invited from individuals with a background in biochemistry with expertise in protein purification and enzyme kinetics. Submit résumé to **Dr. A. H. Payne, Department of Biological Chemistry, University of Michigan, Ann Arbor, Michigan 48109.** *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION

Position available immediately for Ph.D. in **biochemistry/human genetics** to work on biochemical genetics of inborn errors of metabolism. Experience in enzyme purification is desirable. Apply with résumé and names of references to **Dr. S. Srivastava, Department of Human Biological Chemistry and Genetics, University of Texas Medical Branch, Galveston, Texas 77550.**

We are an Equal Opportunity M/F/Affirmative Action Employer.

POSTDOCTORAL POSITION—Immediate opening for recent Ph.D. **biochemist** to participate in a research program on cardiac hypertrophy. Investigations will focus on the molecular signals controlling transcription and translation of heart muscle proteins. Preference will be given to applicants with expertise in investigations of protein synthesis and degradation. This is a collaborative program between the Department of Surgery in the Yale Medical School and the Department of Biology. Send résumé and references to **Professor C. L. Markert, Department of Biology, Yale University, New Haven, Connecticut 06520.** *The University is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION available immediately for cell biologist interested in investigating hormonal effects, ultrastructure, enzyme localization, or cell differentiation in calcium transporting cells and tissues. Preference given to applicants with experience in any of these areas. Reply to: **Dr. H. Schraer, Department of Biochemistry and Biophysics, The Pennsylvania State University, University Park, Pa. 16802.**

POSTDOCTORATE—immediately available in comparative immunobiology. Molluscan internal defense mechanism in vitro. Experience in cell culture and isotope use in metabolic research desirable. \$11,000. Also **ELECTRON MICROSCOPE TECHNICIAN.** Ultrastructure of molluscan cells in vivo and in vitro. Histochemical and autoradiographic experience desirable. \$8400. Send application, curriculum vitae, reprints, and letters of reference, within 2 weeks of this ad, to **Dr. C. J. Bayne/A. Owczarzak, Department of Zoology, Oregon State University, Corvallis, Oregon 97331.** *An Affirmative Action Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE: For 2 years, available after 1 July 1976. Ph.D. with background in protein-ligand interactions, photochemistry, and/or affinity labeling. Salary range \$10,000 to \$12,000. Send résumé and two letters of recommendation to **J. J. Ferguson, Jr., M.D., Department of Biochemistry/Biophysics, School of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania 19174.** *Equal Opportunity Employer.*

UNIVERSITY OF WESTERN AUSTRALIA Perth

TEACHING/RESEARCH FELLOW IN FOREST ECOLOGY DEPARTMENT OF BOTANY

Applications are invited for the above-mentioned appointment. This position is sponsored by Alcoa of Australia Ltd., through the Alcoa Foundation, and Western Collieries Ltd. Applicants should have broadly based interests in plant ecology, preferably in relation to forested areas. Duties will be teaching general plant ecology to undergraduate students, supervising honours and postgraduate research programmes in forest ecology, and developing special research projects on disturbed forest areas. Would-be candidates may write to the Head of the Department of Botany, Professor J. S. Pate, for further information. The salary offered is that of the first or second point in the University Lecturer's scale, i.e. \$A12,835 p.a. or \$A13,463 p.a. The position will be subject to review every two years and if performance is satisfactory appointment will continue to a maximum of six years. An appointee from within Australia will be entitled to fares for himself and wife and from elsewhere to appointment expenses of up to \$A1475. Applications in duplicate stating full personal particulars, qualifications and experience should reach the Staffing Officer, University of Western Australia, Nedlands, Western Australia, 6009, by 26 June 1976. Candidates should request three referees to write immediately to the Staffing Officer.

JAMES COOK UNIVERSITY OF NORTH QUEENSLAND LECTURER IN MARINE BIOLOGY

Applicants should have a Ph.D. or equivalent degree, a broad knowledge of marine ecology and a special interest in zooplankton, productivity, or fouling. Some experience of university teaching at advanced undergraduate level and the development and supervision of postgraduate research programs is desirable.

Salary range \$A12,835-\$17,229 p.a. plus a locality allowance of \$A194 p.a. for married male or \$A97 p.a. for a single appointee.

Information on conditions of appointment and application procedure available from the Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF.

Applications close on 30 July 1976.

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATES

1) Ph.D. in biochemistry or immunochemistry, with strong background in lipid biochemistry. Characterization and function of plasma lipoprotein apoproteins; composition of red cell membranes versus structure, morphology, immunological behavior; experience in membrane biophysics, membrane immunology, hematology very desirable. Available July 1976. \$12,000 per year. Secure for 3 years.

2) Ph.D. (biochemistry or related areas) interested in lipid metabolism and role of unsaturated fatty acids in animal membranes. Thorough background in enzymology needed; experience with adenylate cyclase desirable. Position open now with promised funding through February 1979. Salary about \$12,000 per year. Send curriculum vitae and references to M. A. Williams, Department of Nutritional Sciences, University of California, Berkeley, Calif. 94720. An Equal Opportunity/Affirmative Action Employer.

PROFESSOR AND DEPARTMENT HEAD—PATHOBIOLOGY. University of Connecticut. Salary: \$19,380 to \$33,620. Position available 1 September 1976 to administer the Department of Pathobiology, a multidisciplinary department encompassing pathology, microbiology, virology, and biochemistry. The Department has a threefold responsibility in research, teaching, and service. There are 16 professional staff members and a total of 70 including technicians, secretaries, and graduate students. Doctor of veterinary medicine degree and experience in administration and biomedical research required. Apply to Dean E. J. Kersting, College of Agriculture and Natural Resources, University of Connecticut, Storrs, Connecticut 06268. An Equal Opportunity Employer.

RADIOCHEMIST Applications invited for the position of postdoctoral research associate. Work involves cosmochemistry and neuron activation analysis of meteorites. Applicants should have strong background in trace element analysis using radiochemical techniques, preferably with two or more years of experience beyond the Ph.D. Send résumé to L. Grossman, Department of Geophysical Sciences, University of Chicago, 5734 South Ellis Avenue, Chicago, Illinois 60637. The University of Chicago is an Equal Opportunity Employer.

RESEARCH ASSOCIATE: We have available a 1-year (possibly renewable) September appointment to conduct mainly independent experimental research (*Tribolium*) in the areas of extinction, dispersion, and migration, with particular emphasis on the genetical aspects. Ph.D. required; familiarity with *Tribolium* research useful but not necessary. Send résumé, thesis abstract, and two letters of recommendation by 21 June to: M. Wade, Department of Biology, University of Chicago, Chicago, Illinois 60637.

RESEARCH ASSOCIATE POSITION (M.D. or Ph.D.)

Position available 1 July 1976. Associate will participate in studies of amino acid transport in cultured human cell lines. A background in membrane biology or cell culture is desirable but not essential. Some opportunity to participate in the medical genetics program will be available. Send curriculum vitae and names of three references to:

Richard E. Hillman, M.D.
Department of Pediatrics
Division of Medical Genetics
Washington University School of Medicine
500 South Kingshighway Boulevard
St. Louis, Missouri 63110

Washington University is an Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE IN ELECTRON MICROSCOPY. A well-trained electron microscopist is sought to assist in an investigation of synapse formation in developing nervous tissue. Thorough familiarity with serial sectioning techniques and electron microscope operation are essential. Some familiarity with nervous tissue would be helpful. The Department of Anatomical Sciences has two Hitachi electron microscopes and all related equipment and facilities. Starting salary \$15,000 per year with excellent fringe benefits and annual increments. Please reply to: Dr. P. Witkovsky, Department of Anatomical Sciences, Health Sciences Center, State University of New York at Stony Brook, Stony Brook, New York 11794, with a résumé and the names of two references. State University of New York is an Affirmative Action Employer.

POSITIONS OPEN

RESEARCH ASSOCIATES (two). Peptide hormone biosynthesis and secretion, hormone chemistry, structure-function relationships, interaction with target tissues, bone cell metabolism. Government-university laboratory. Academic appointment may be arranged. Activities will be related to calcium-regulated physiological processes but research projects will be determined by the expertise of the applicant. Send résumé, research interests, and special requirements to Professor David V. Cohn, Calcium Research Laboratory, VA Hospital, Kansas City, Mo. 64128. An Equal Opportunity/Affirmative Action Employer.

CSIRO DIVISION OF FISHERIES AND OCEANOGRAPHY CRONULLA, N.S.W. RESEARCH SCIENTIST

CSIRO has a broad charter for research into primary and secondary industry areas. The Organization has approximately 7000 employees, 2200 of whom are research and professional scientists, located in Divisions and Sections throughout Australia.

FIELD: FISHERIES BIOLOGY.

DUTIES: To develop a research program on marine fish resources around Australia. Initially, attention will be directed to pelagic species. Field investigations on the Division's vessels and on small fishing vessels in the open sea will be involved.

QUALIFICATIONS: A Ph.D. degree or equivalent in one of the ecological sciences with training in mathematics and statistics, together with demonstrable research ability.

SALARY: Research scientist: \$A12,833 to \$A15,909 per year.

TENURE: Indefinite, with superannuation, or 3-year fixed term.

Applications stating full personal and professional details, the names of at least two referees, and quoting reference number 320/553, should reach:

The Chief
CSIRO Division of Fisheries and Oceanography
P.O. Box 21
Cronulla, N.S.W. 2230
Australia

by 4 June 1976.

SENIOR EDITOR

The National Academy of Sciences is seeking a senior editor to fill the position of either managing editor or associate managing editor of the *Proceedings of the National Academy of Sciences*. A Ph.D. in biochemistry or a related field is highly desirable. Substantial editorial experience as well as supervisory experience is required. Send résumé to Dr. Robert W. Johnston, Executive Office, National Academy of Sciences, 2101 Constitution Avenue, NW, Washington, D.C. 20418. An Equal Opportunity Employer.

STAFF DIRECTOR

A Washington, D.C., nonprofit national organization is seeking a staff director for a multidisciplinary committee undertaking a 12-month study of issues involving the relationship of technology, public policy, and governmental policy-making. Candidates should have demonstrated capabilities in these areas as well as an advanced technical or professional degree. The ability to organize and write clearly is essential. Candidates should send résumés to Box 252, SCIENCE. An Equal Opportunity Employer.

FOUR TEMPORARY POSITIONS AVAILABLE

Biology Department at UCLA has three temporary teaching and one teaching/coordinator positions available September 1976. Applicants should have Ph.D. degree and ability to teach large undergraduate courses and graduate seminars. Positions are: (i) teach introductory biology, core course in general and cell physiology, and seminar; (ii) teach introductory biology, core course in general or animal physiology, and course in sensory physiology; (iii) teach introductory biology, core course in developmental biology, and seminar; (iv) coordinate and teach in introductory biology—this position requires administrative ability and experience in a very large course (about 800 students per quarter). Send curriculum vitae and names of three references before 1 July 1976 to: Search Committee, Biology Department, University of California, Los Angeles, Calif. 90024.

An Equal Opportunity/Affirmative Action Employer. Members of minority groups and women are encouraged to apply.

POSITIONS OPEN

VETERINARIAN VACANCY

The Plum Island Animal Disease Center of the U.S. Department of Agriculture's Agricultural Research Service has an immediate opening for a Research Veterinary Medical Officer at Grades GS-13 or 14 (\$22,906 to \$34,916). Applicant must have a D.V.M. degree from an accredited veterinary college. Graduate degrees are desired. At least 3 years of experience in laboratory and related activities is required. Applicant must have a proven broad knowledge of cell culture, veterinary microbiology, and virology and also versatility in differential diagnosis of animal diseases by clinical and laboratory methods. Applicant should have an interest in research and publication of results, and will share responsibility for operation of the diagnostic laboratory for exotic animal diseases. *U.S. citizens will be considered without regard to race, color, religion, sex, age, or national origin.* Plum Island Animal Disease Center, U.S. Department of Agriculture, Agricultural Research Service, P.O. Box 848, Greenport, N.Y. 11944. Attention: Robert "E" Soderstrom, Administrative Officer.

FELLOWSHIP

POSTDOCTORAL RESEARCH FELLOW

Applications are invited for this fellowship, financed by the IDRC. The project will involve study of the gastrointestinal microflora of the grass carp and its role in nutrition and health of the fish. Applicants with experience in rumen microbiology or anaerobic microbiology are preferred. Some experience in biochemistry would also be useful.

The fellowship will be available for 1 year in the first instance. Applications, including a complete curriculum vitae and the names of three referees, should be submitted to Dr. T. J. Trust, Chairman, Department of Bacteriology and Biochemistry, University of Victoria, Victoria, British Columbia, Canada V8W 2Y2, before 31 July.

POSTDOCTORAL FELLOWSHIP

Applications are invited for a postdoctoral fellowship for research in the process of keratinization. Applicants must have a Ph.D. with training in biochemical techniques, especially gel electrophoresis and column chromatography. Opportunities for training in anatomical techniques including organ culture and electron microscopy. The purpose of the research is to correlate structure on the macromolecular and cellular level in a keratinizing epithelium. Available now; salary \$12,000. Address inquiries with a curriculum vitae and at least two references to Dr. A. I. Farbman, Department of Anatomy, Northwestern University, 303 East Chicago Avenue, Chicago, Illinois 60611.

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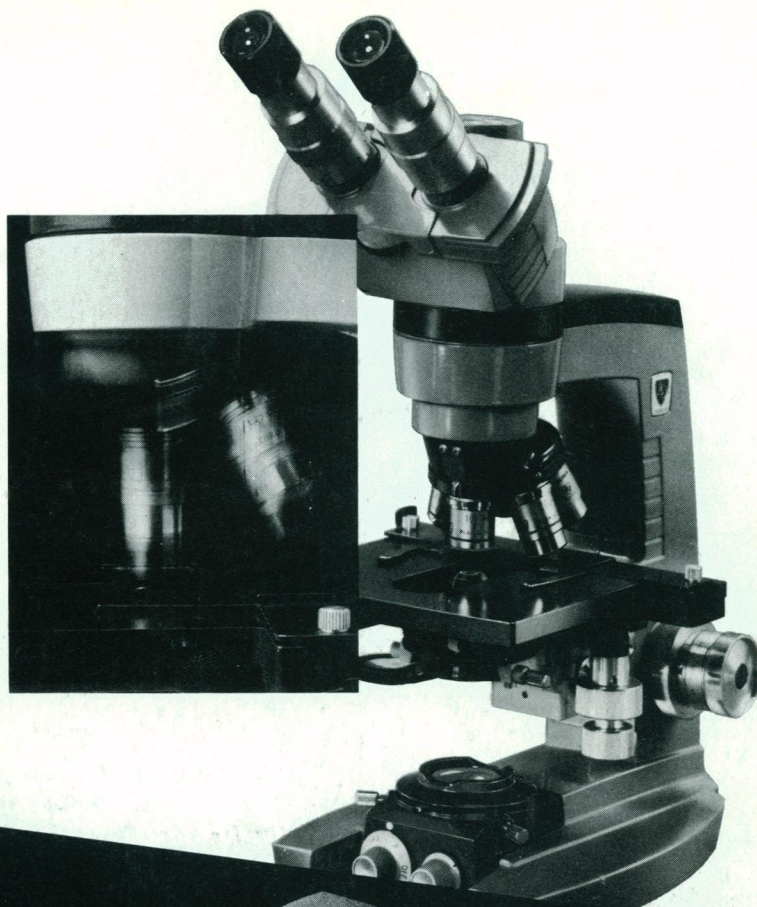
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