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Twentieth Century Physics. Joseph Norwood, Jr. Prentice-Hall, Englewood Cliffs, N.J., 1976. x, 406 pp., illus. \$16.95.

Ultrasonographic Diagnosis in Obstetrics and Gynecology. H. Schams and J. Bretscher. Springer-Verlag, New York, 1975. viii, 198 pp., illus. \$33.60.

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The Unseen Fight against Cancer. Experimental Cancer Research—Its Importance to Human Cancer. Thelma Brumfield Dunn. Batt Bates, Charlottesville, Va., 1976. x, 204 pp. Paper, \$8.50.

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The Vestibular System. Proceedings of a symposium, Chicago, 1973. Ralph F. Naunton, Ed. Academic Press, New York, 1975. xii, 476 pp., illus. \$24.50.

Walsh Functions and Their Applications. K. G. Beauchamp. Academic Press, New York, 1975. xiv, 236 pp., illus. \$24.50. Techniques of Physics, No. 3.

Wastewater Treatment Technology. James W. Patterson. Ann Arbor Science Publishers, Ann Arbor, Mich., 1975. vi, 266 pp., illus. \$22.50.

What People Eat. An Introduction to Chemistry and Food Sciences. Isaias Raw, Anita Bromley, Ernst R. Pariser, and John Vournakis. Kaufmann, Los Altos, Calif., ed. 2. 1975. Various pages, illus. Paper, \$9.

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Your Future in Library Careers. Alpha Myers and Sara A. Temkin. Arco, New York, 1976. xii, 148 pp., illus. Paper, \$1.95. Reprint of the 1973 edition. Arco-Rosen Career Guidance Series.

Your Future in Technical and Science Writing. Emerson Clarke and Vernon Root. Arco, New York, 1976. 162 pp., illus. Paper, \$1.95. Arco-Rosen Career Guidance Series. Reprint of the 1972 edition.

Your Future in Veterinary Medicine. Wayne H. Riser. Arco, New York, ed. 2, 1976. 164 pp. Paper, \$1.95. Arco-Rosen Career Guidance Series.

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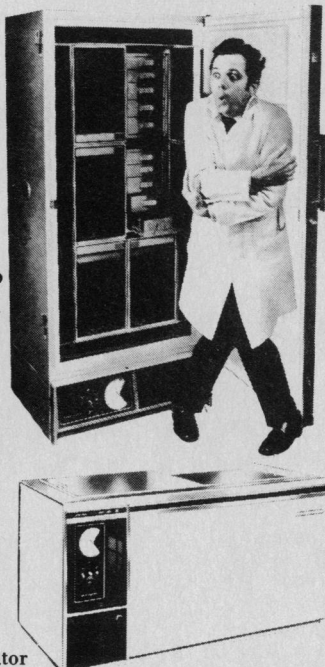
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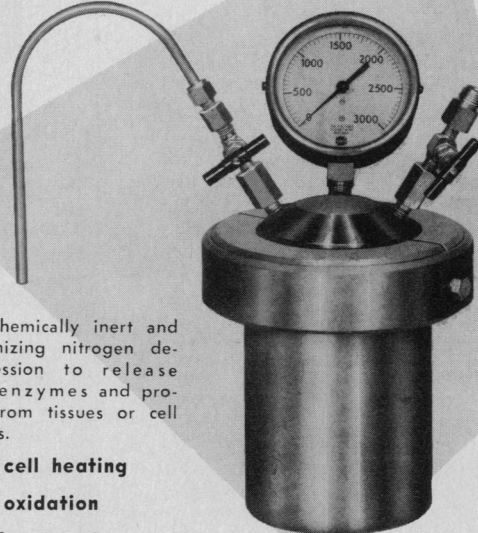
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Biophysicist. Ph.D. 1964. Electron spin resonance, membrane immunology, neuropharmacology, molecular radiobiology, photobiology, photochemistry. Teaching experience (graduate students, radiology residents). Seeks research/teaching/administrative position. Available July 1976. E. S. Copeland, Division of Biochemistry, Walter Reed Army Institute of Research, Washington, D.C. 20012. X

Entomologist. Ph.D. Forest insect ecology, population dynamics. Two years of postdoctoral experience in biological control. Publications. Seeking research/teaching. Box 185, SCIENCE. X

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Microbiology. Ph.D., 23 publications. Research interest in fungal taxonomy, physiology, and bacteriology. Seeks teaching, research, or industrial position. Mhaskar, 111 East Lorain Street, Apartment 11, Oberlin, Ohio 44074. X

POSITIONS WANTED

Law/Biology. M.S., J.D., 1974. Seeks interdisciplinary teaching and/or academic administrative position. Teaching and publications in biology. Law review and private practice in law. Résumé and references available. D. Peterson, 210 Vallejo Street, Petaluma, California 94952. 4/16, 23

Medical Instrumentation Researcher. B.S.E.E. (1970), Ph.D. (1974). Seeks position; university medical institution or industry. Published, teaching, postdoctoral experience. Box 188, SCIENCE. X

Experienced **Microbiologist/Administrator.** Ph.D., University of Texas, 1964. Eleven years in the United States in teaching (tenured), research (microalga *Chlamydomonas*), and administration (faculty chairman, division chairman, academic dean). Last 3½ years in Colombia establishing laboratory and researching relationship of gut microflora to human malnutrition/malabsorption and in Brazil establishing laboratories, training personnel, and researching Enterobacteriaceae and food microbiology. Nine publications. Interdisciplinary outlook. Due to collapse of program abroad, seeks stateside position in an urban institution with possibility of international involvement in human health problems. Available August 1976. Box 189, SCIENCE. X

Neuropsychologist/Psychophysiologist. M.A. 1974; dissertation on evoked slow potentials in man; experienced in AC and DC recording techniques, EEG, biofeedback, computer programming, electronics, photography. Box 190, SCIENCE. 4/16, 23

Pharmacologist/Biochemical Endocrinologist. Ph.D. 1974. Seeks research/academic position. East or West Coast. Predoctoral experience in steroid receptor molecular biology; postdoctoral experience in the neurobiology of nerve growth factor. Publications in solid journals. Excellent references. D. N. Ishii, Neurobiology Department, Stanford Medical School, Stanford, California 94305. X

Physiologist. Ph.D. (August 1976). Desires teaching position with research possible. Research/teaching experience in animal physiology (marine invertebrate nutrition); comparative animal, ecological, organismic, cellular physiology; invertebrate zoology; mechanism/regulation of amino acid, monosaccharide, fatty acid transport, radiochemical techniques. Available September 1976. Box 177, SCIENCE. X

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Dr. R. D. Gamble
Green Mountain College
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ANATOMY

Two junior faculty positions available as of 1 July 1976. Ph.D., M.D., or D.O. required. A strong background in neuroanatomy is desirable for one position. Broad background in gross anatomy and microscopic anatomy essential. Submit curriculum vitae and the names of three references to:

Dr. M. W. DuBois, Chairman
Department of Anatomy
Chicago College of Osteopathic Medicine
1122 East 53 Street
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ANATOMY RESEARCH/TEACHING

Research position available in field of experimental anatomy as adjunct professor of appropriate rank at the University of California, Irvine. Collaborative studies of experimental animals undergoing exposure to pollutants in food and air requires knowledge of normal and pathologic anatomy by light and electron microscopy. Opportunity to teach normal and pathologic anatomy to graduate students in toxicology. Requires Ph.D. in anatomy or related field and 2 years of postdoctoral research preferably including electron microscopy. Closing date for applications is 1 June 1976. *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. T. Timothy Crocker, Professor and Chairman, Community and Environmental Medicine, College of Medicine, University of California, Irvine, Calif. 92717.**

ASSISTANT PROFESSOR, beginning fall 1976, to teach introductory microbiology and advanced courses to be developed by the appointee, and to cooperate in general biology. Must have terminal degree with specialization in microbiology and training in molecular biology. Applicants should have curriculum vitae, transcripts, and three letters of evaluation sent by 30 April to: **T. Rambo, Department of Biological Sciences, Northern Kentucky State College, Highland Heights, Kentucky 41076.** *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSORS UNIVERSITY OF CALIFORNIA, DAVIS

The 11-month faculty positions listed below have responsibilities for teaching in the College of Agricultural and Environmental Sciences and for research in the Agricultural Experiment Station, and are to be filled during the 1976-77 academic year. A Ph.D. in an appropriate field and a demonstrable capability for research is required. Curriculum vitae should be sent to the **Dean, College of Agricultural and Environmental Sciences, University of California, Davis, California 95616,** by date indicated to ensure consideration. General inquiries may also be made at this address.

Food Microbiology, Department of Food Science and Technology, 1 August 1976

Marine Food Microbiology, Department of Food Science and Technology/Institute of Marine Resources, 1 August 1976

Digestive Microbiology, Department of Animal Science, 1 May 1976

Physiological/Biochemical Plant Genetics, Department of Vegetable Crops, 1 May 1976

Applications from women and members of minority groups are encouraged.

DEPARTMENT OF ANATOMY DALHOUSIE UNIVERSITY HALIFAX, NOVA SCOTIA ASSOCIATE OR ASSISTANT PROFESSOR

Applications are invited from persons with M.D., D.D.S., and/or Ph.D. qualifications for the above position. Duties may include the teaching of anatomy to medical, dental, or paramedical students. Experience in teaching gross anatomy is required and a research interest in the nervous system is desirable. Salary and rank commensurate with experience. Applications, together with curriculum vitae and the names of two referees, should be addressed to **Dr. D. G. Gwyn, Head, Department of Anatomy, Dalhousie University, Halifax, Nova Scotia, Canada B3H 4H6.**

POSITIONS OPEN

The Department of Physiology of The University of New Mexico School of Medicine is inviting applications for the position of **ASSISTANT PROFESSOR** beginning 1 July or 1 September 1976. Research interests should be in the areas of neurophysiology or neuroendocrinology. Applicants should be able to teach both medical and graduate students and to develop a strong research program. Send curriculum vitae and letters of recommendation to: **Dr. Sidney Solomon, Chairman, Department of Physiology, The University of New Mexico School of Medicine, Albuquerque, New Mexico 87131.**
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The University of Minnesota Medical School, Minneapolis, invites nominations and applications for a faculty position at the rank of **ASSOCIATE PROFESSOR OR PROFESSOR** for an endowed chair in the field of rheumatic diseases. This position requires a physician-medical scientist holding the M.D. degree; Ph.D. degree in addition is desirable, but optional. Specialty training and postdoctoral fellowship or equivalent research training are desirable. Candidates should have clinical and research experience in basic mechanisms of pathogenesis of connective tissue diseases. Leadership in academic medicine should be demonstrated by scientific research and strong commitment to undergraduate and graduate medical education. Inquiries, including a curriculum vitae, should be sent to **Dr. Alfred Michael, Chairman of Search Committee, Department of Pediatrics, Mayo Box 491, University of Minnesota Medical School, Minneapolis, Minnesota 55455.** *An Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR—ANATOMY

The Department of Anatomy at Loyola University Stritch School of Medicine is seeking an anatomist who already holds the Ph.D. degree or who expects to receive it in 1976. Applicants should have experience and special interest in electron microscopy. Duties will include the teaching of medical and graduate students, and the pursuit of an active independent or collaborative ultrastructural research program. Microcirculation is one of the special research interests of the Department. The successful candidate will also have special responsibilities in the administration and direction of the electron microscopy unit of the Department.

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Applications or requests for further information should be sent to:

Charles C. C. O'Morchoe, M.D., Ph.D.
Professor and Chairman
Department of Anatomy
Loyola University Stritch School of Medicine
2160 South First Avenue
Maywood, Illinois 60153

TWO POSITIONS IN ANATOMY

Two assistant professors, Ph.D. or M.D. with postdoctoral research and teaching experience and ability to develop independent research program; one with teaching interest in gross anatomy, and the other in microscopic anatomy. Send curriculum vitae to **Dr. G. Gordon Robertson, Department of Anatomy, University of Tennessee Center for the Health Sciences, Memphis, Tennessee 38163.**

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ANALYTIC (WATER) CHEMISTRY—assistant professor. The Water Resources Laboratory, an Institute of Advanced Studies of the University of Louisville Graduate School, has an opening beginning September 1976 for an assistant professor with specialization in the general areas of water analyses, both inorganic and organic compounds in natural and treated waters. Candidates must have experience in analyses of cations and anions using atomic absorption spectrophotometry and other comparable equipment. A comprehension of the role of nutrient materials in eutrophication is highly desirable. Duties will include teaching and research at graduate and undergraduate levels. Ph.D. or Sc.D. in the appropriate field of specialization is required. Send curriculum vitae and reprints of representative publications before 1 June 1976 to: **Dr. Stuart E. Neff, Chairman, Analytic Chemistry Search Committee, Water Resources Laboratory, University of Louisville, Louisville, Kentucky 40208.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

The Biology Department of Augusta College invites applications for a position at the rank of **ASSISTANT PROFESSOR** to begin in September 1976. Teaching duties include undergraduate courses in plant physiology, higher plant taxonomy, and general biology. Ph.D. preferred. Send three letters of recommendation and curriculum vitae to:

Diane O'Conner
Secretary, Search Committee
Department of Biology
Augusta College
Augusta, Georgia 30904

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ASSISTANT PROFESSOR BIOPHYSICAL SCIENCES

Applications are invited for an assistant professorship in the Department of Biophysical Sciences at the University of Houston to start with the 1976-77 academic year. Candidates are being sought with strong backgrounds in biochemistry or biophysics with demonstrated potential to establish a high quality, independent research program and to be an excellent teacher. The department is particularly interested in individuals whose research is directed toward either the study of eukaryotic cell division or membranes at the molecular level or the study of immobilized enzymes and affinity chromatography. Applicants should send a curriculum vitae, a summary of their future research plans, representative reprints, and at least three letters of reference to:

Chairperson, Department of Biophysical Sciences
University of Houston
4800 Calhoun
Houston, Texas 77004

The University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR (ENERGY). Columbia University, Department of Mechanical and Nuclear Engineering, Doctorate required. Apply with résumé and references by 30 April 1976 to **Professor R. A. Gross, Chairman, Department of Mechanical and Nuclear Engineering, School of Engineering and Applied Science, Columbia University, New York, N.Y. 10027.**

Columbia University is an Equal Opportunity/Affirmative Action Employer.

HYDROLOGY/HYDRAULIC ENGINEERING—assistant professor. The Water Resources Laboratory, an Institute of Advanced Studies of the University of Louisville Graduate School, in conjunction with the Speed Scientific School, has an opening for an assistant professor specializing in the general area of hydrology and hydraulics engineering beginning 1 September 1976. Candidates must have experience in hydrology, hydraulic flow systems modeling, and hydromechanics. Duties will include teaching and research at the graduate and professional school levels. Ph.D. or Sc.D. in the appropriate field of specialization is required. Send curriculum vitae and reprints of representative publications before 1 May 1976 to **Dr. Stuart E. Neff, Chairman, Hydrology Search Committee, Water Resources Laboratory, University of Louisville, Louisville, Kentucky 40208.** *An Equal Opportunity/Affirmative Action Employer.*

PERCEPTUAL ALTERNATIVES LABORATORY—assistant professor. A position is available with a Ph.D. in electrical engineering. The person filling this position will be expected to devote approximately three-fourths of his or her time to the laboratory's research program, and approximately one-fourth of his or her time to the teaching of a course in the Department of Electrical Engineering. The Perceptual Alternatives Laboratory is a member of the Institutes for Advanced Studies at the University of Louisville. Its research objectives are to develop perceptual alternatives for individuals with sensory and/or motor impairments. The starting salary of the person filling this position will be \$14,000. For further information, write to: **Emerson Foulke, Director, Perceptual Alternatives Laboratory, University of Louisville, Louisville, Kentucky 40208,** or telephone 502-636-4385. *The University of Louisville is an Equal Opportunity Employer. Applications from women and members of minority groups are encouraged.*

POSITIONS OPEN

ASSISTANT PROFESSOR OF ONCOLOGY

Applications are invited from individuals interested in a position as assistant professor of oncology (available 1 January 1977). Each applicant should be prepared to develop a strong fundamental research program involving some aspect of chemical carcinogenesis.

Each applicant should submit a curriculum vitae, a list of publications, the names and addresses of at least three persons qualified to evaluate the applicant's research, a one- to two-page statement of research accomplishments, and a one- to two-page statement of future research plans.

All qualified individuals are encouraged to apply. *The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer and does not discriminate on the basis of sex or race.*

Send applications as soon as possible to:

Dr. Henry C. Pitot
Department of Oncology
McArdle Laboratory for Cancer Research
University of Wisconsin
Madison, Wisconsin 53706

DEPARTMENT OF PHYSICS-ENGINEERING

Assistant professor, Ph.D., in a growing University to teach mainly introductory engineering courses. The applicant must have experience in computer programming and ability to teach elementary physics laboratories. In the future the applicant might be involved with the development of new courses and programs in engineering. The conduct of individual research will be encouraged. Please send résumé by 30 April 1976 to **Professor D. A. Papaconstantopoulos, Department of Physics, George Mason University, Fairfax, Va. 22030.** *Equal Opportunity/Affirmative Action Employer.*

ASSISTANT PROFESSOR OF PHYSIOLOGY, Ph.D. Applications are invited for this position in animal physiology for undergraduate biological sciences program. Duties to begin 1 September 1976. Send inquiries or curriculum vitae, transcripts, and references to **P. K. Holmes, Chairman, Department of Biology, University of Maine at Portland-Gorham, Portland, Maine 04103.**

DEPARTMENT OF PSYCHOBIOLOGY UNIVERSITY OF CALIFORNIA, IRVINE

A position is available for an outstanding candidate at the **assistant professor** level. Candidates should either be pursuing research in neurobiology or behavioral biology emphasizing neural or endocrine mechanisms. Postdoctoral research experience is preferred. Preference will be given to applicants whose research interests complement those of current faculty and whose research concerns some aspect of neural or behavioral plasticity. The position is available beginning fall 1976, but may be held open for fall 1977 if circumstances so warrant. Applicants should write to **Norman M. Weinberger, Chairman, Department of Psychobiology, University of California, Irvine, California 92717,** providing curriculum vitae, references, and publications. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.*

The University of California College of Medicine, Irvine, is recruiting for an **ASSISTANT RESEARCH AUDITORY PHYSIOLOGIST** to do research on auditory brainstem responses in humans. Familiarity with psychoacoustics would be helpful. Position open 1 July 1976. Send curriculum vitae and names of three references to **Arnold Starr, M.D., Professor of Neurology and Psychobiology, University of California, Irvine, 101 City Drive South, Orange, Calif. 92668.** *Applications from all qualified candidates welcome; minorities and women are encouraged to apply.*

ASSISTANT RESEARCH SCIENTIST

Recent Ph.D. with membrane, receptor, or protein biochemistry background for active research laboratory in the Department of Medicine of New York University School of Medicine. Curriculum vitae to: **Miriam Kerans, Personnel Department, New York University Medical Center, 587 First Avenue, New York, N.Y. 10016.** *An Equal Opportunity/Affirmative Action Employer, M/F.*

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The Scripps Institution of Oceanography has an opening for an **ASSOCIATE SPECIALIST**, \$15,468, to be in charge of a stable isotope facility. Requirements: mass spectrometer operation, Ph.D. in chemistry or equivalent. Applications with curriculum vitae and references are to be sent to:

Dr. Wolfgang H. Berger
Geological Research Division A-015
Scripps Institution of Oceanography
La Jolla, California 92093

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BIOCHEMISTRY. Faculty positions at the assistant professor level. Candidates should have a Ph.D. and 2 years of postdoctoral experience or equivalent with demonstrated abilities in teaching and research. Preference will be given to individuals with strong backgrounds in fundamental biochemical disciplines who will develop research programs in cellular regulation, organelle function or biogenesis, neuro-biochemistry, or growth and differentiation of eukaryotic cells. Send curriculum vitae, a coherent and comprehensive plan for future research, and names of three references to: **Search Committee, Department of Biochemistry, Medical School, 227 Millard Hall, University of Minnesota, Minneapolis, Minnesota 55455.** An Equal Opportunity Employer.

MIDDLEBURY COLLEGE DEPARTMENT OF BIOLOGY

Applications are invited for a position in **vertebrate anatomy and general or comparative physiology**, at the level of **assistant professor**, Ph.D. required. The successful candidate will be expected to teach two semester-courses on anatomy and physiology, separately or in combination; offer an advanced seminar when enrollments permit; supervise research of undergraduates and M.S. candidates; and develop an active research program. Send résumé, statement of teaching and research interests, undergraduate and graduate transcripts, and names of at least three referees to: **Dr. G. B. Saul II, Chairman, Department of Biology, Middlebury College, Middlebury, Vermont 05753.** An Equal Opportunity Employer.

BIOLOGIST with training in the physiological ecology of vertebrates to teach introductory-level courses in general biology, vertebrate zoology, and organismic biology and offer advanced courses in her/his specialty or other areas of biology. We are particularly interested in candidates who can advise students with interests in health professions. Two-year appointment, \$10,000 to \$12,000 plus fringe benefits. An Equal Opportunity/Affirmative Action Employer; send inquiries, applications, and references to: **Warren Z. Watson, Director, Science Institute, Antioch College, Yellow Springs, Ohio 45387.**

BIOLOGICAL SCIENCE—Earned doctorate in a biological science. Must have interest in quality undergraduate teaching and research. Principal teaching responsibilities will include human and mammalian physiology, general zoology, and opportunities for other areas of interest. Send résumé, transcripts, and three letters of reference or names and addresses of references by 3 May 1976 to: **Kirk Boatright, Chairman, Division of Natural Science and Mathematics, Northeastern Oklahoma State University, Tahlequah, Oklahoma 74464.**

CARDIOVASCULAR PHYSIOLOGIST

University of North Carolina at Chapel Hill has positions available at the instructor level and higher for persons with demonstrated success in teaching cardiovascular physiology at the preclinical and clinical level. Only candidates with active present research involvement and at least 2 years of postdoctoral research experience will be considered. Joint involvement with a clinical department desirable but not essential. Successful candidate must be prepared to accept immediate teaching responsibility. Send résumé to **Cardiovascular Search, Department of Physiology, University of North Carolina at Chapel Hill, School of Medicine, Chapel Hill, North Carolina 27514.** An Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CHAIRPERSON PHYSIOLOGY and BIOPHYSICS

Applications are invited for the position of chairperson in the Department of Physiology and Biophysics, West Virginia University School of Medicine. Applicants should possess an M.D., Ph.D., or equivalent degree, have demonstrated a high level of scholarship in teaching and research as well as demonstrated leadership potential. Applications, including a complete curriculum vitae and the names of three persons to be contacted as references, should be sent by 15 May 1976 to:

Dr. William W. Fleming
Department of Pharmacology
West Virginia University Medical Center
Morgantown, West Virginia 26506

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Large New York City teaching university medical center with affiliations has position available for individual to function as Director of Service. Please send curriculum vitae to: **Box 196, SCIENCE.** An Equal Opportunity Employer.

DEAN OF CLINICAL MEDICINE

The Board of Trustees of the State University of New York has authorized the State University of New York Upstate Medical Center and State University of New York-Binghamton to establish jointly an innovative, community-based program in medical education. The program will include 2 years of basic science education at Upstate Medical Center, followed by clinical training for third- and fourth-year medical students in Binghamton and the surrounding area. Programs in graduate medical education and in continuing education will be an integral part of the Clinical Campus. Candidates for the position should hold the M.D. degree, be eligible for licensure in New York State, and have had significant academic and administrative experience. Successful implementation of the program will require ability to work with community groups and interest in problems of health care delivery to metropolitan and rural populations.

Direct inquiries to **Dr. Donald Levis, Chairman, Search Committee for Dean of Clinical Medicine, Administration 707, State University of New York-Binghamton, Binghamton, New York 13901.** Desired starting date: as soon as possible. An Equal Opportunity/Affirmative Action Employer.

DIRECTOR OF RESEARCH AND PLANNING UNIVERSITY OF MID-AMERICA

The University of Mid-America is seeking a Director of Research to supervise research, evaluation, and planning activities. Work involves the study of adult learners, teaching-at-a-distance, formative and summative course evaluation, and other aspects of open learning. For further information please write: **Joseph Lipson, Vice President for Academic Affairs, University of Mid-America, P.O. Box 82006, Lincoln, Nebraska 68501.** Include a letter describing career goals, a résumé, and between one and three articles or other documents which you have written. An Affirmative Action/Equal Opportunity Employer.

POSITIONS OPEN

CHAIRMAN, Department of Anesthesiology, The University of Texas Medical Branch, Galveston. Nominations and applications are invited for this position. Applicants should possess nationally recognized capability in education, administration, investigation, and clinical anesthesiology. Letters of application and curriculum vitae should be sent to **Robert G. Grossman, M.D., Chairman, Anesthesiology Search Committee, Division of Neurosurgery, The University of Texas Medical Branch, Galveston, Texas 77550.** We are an Equal Opportunity, M/F/Affirmative Action Employer.

The Boston Biomedical Research Institute, a private, nonprofit organization, is seeking a **DEPARTMENT DIRECTOR** to establish a new research program in a field (for example, immunology, virology, cell biology, neurobiology, endocrinology) that would complement the programs in the existing five departments of the Institute. Applicants should have achieved a high professional status with wide recognition in their health-related field of research, and must show an ability to obtain adequate funding for their program.

Up to 1800 square feet of modern laboratory space could be assigned to the new department as of summer 1976, and extensive institutional facilities are also available.

Applications or inquiries should be marked "Director Appointment," **Personnel Officer, Boston Biomedical Research Institute, 20 Staniford Street, Boston, Massachusetts 02114.** The Institute is an Equal Opportunity Employer.

DIRECTOR AND ASSOCIATE DIRECTOR sought for newly established neuromuscular research center at large, western university school of medicine. Either a clinician (neurologist or internist) whose primary dedication is research in diseases of muscle and fundamental aspects of striated muscle function or a basic scientist (Ph.D.) with same research interests in muscular and neuromuscular systems.

Box 194, SCIENCE

An Equal Opportunity/Affirmative Action Employer

EPIDEMIOLOGIST, M.D. FACULTY APPOINTMENT AVAILABLE

Emory University has recently been awarded a contract by the National Cancer Institute to operate a Metro Atlanta Surveillance, Epidemiology, End Results Program. This program involves collecting and storing extensive data on all residents of this five-county area (1.5 million population) who develop cancer, providing selected data to NCI and the 34 cooperating Atlanta hospitals, and using the data to conduct epidemiological studies. A 6-month planning phase is now in progress to be followed immediately by implementation. We seek an epidemiologist, M.D., with chronic disease training to serve as project director. Faculty appointment will be in the Department of Preventive Medicine and Community Health. Candidates should submit curriculum vitae including bibliography, reprints of several recent publications, and three references to **Charles M. Huguley, Jr., M.D., Cancer Center, Emory University Hospital, Atlanta, Ga. 30322.**

An Equal Opportunity/Affirmative Action Employer

The College of Marine Studies, University of Delaware, invites applications for an academic **FACULTY POSITION** in physical oceanography at the Marine Studies Complex, Lewes, Delaware.

Candidates with academic and research interests, which include problems related to the physical dynamics of continental margins, are especially sought. Experience in the conduct of field experiments and an ability to interact with coastal engineers and other disciplines are preferred. A pioneering opportunity is available in the setting up of new laboratory and research vessel facilities. Rank and salary will be commensurate with qualifications.

Application deadline is 5 May 1976. Send curriculum vitae, bibliography, list of research interests, and names of three professional references to: **Dr. Christopher Moores, c/o Joyce B. Fuller, Personnel Officer, Physical Oceanography Search Committee, College of Marine Studies, Lewes, Delaware 19958.**

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

POSITIONS OPEN

The University of Mississippi invites applications and nominations for the position of **CHAIRMAN** of its Department of Biology for fall semester 1976. Ph.D. required. Rank and salary open. Preferred areas of specialization: developmental anatomy/vertebrate anatomy or entomology. We would appreciate assistance in identifying potential candidates. Applications, inquiries, and nominations should be sent to: **Dr. W. St. Amand, Chairmanship Search Committee, Department of Biology, University of Mississippi, University, Mississippi 38677.** Application deadline 22 May. *Equal Opportunity Employer.*

EXTENSION APICULTURIST (position No. 7608)—Full-time extension position at the University of California, Davis. Ph.D. or equivalent in entomology required with training in apiculture and pollination. Practical beekeeping experience would be helpful. Provide educational programs in apiculture and pollination to commercial apiculturists, commodity groups, pesticide fieldmen, and farm advisers. Conduct applied research and demonstrations. Applications accepted until 1 May 1976. Send résumé or inquiry to: **Kendall J. Englund, Assistant Director, Personnel, Division of Agricultural Sciences, University of California, 2200 University Avenue, Berkeley, California 94720.** *An Equal Opportunity Employer.*

FISHERIES BIOLOGIST. Requires a Ph.D. with experience in ichthyology and ecology of marine fishes, preferably along U.S. East Coast. Salary is open, depending on experience, plus benefits, and position is available immediately. Send résumé to **Dr. Charles W. Townley, William W. Clapp Laboratories, P.O. Box AH, Duxbury, Massachusetts 02332.**

GEOPHYSICIST—Assistant or associate professor in earth science/geography department. Assist in the development of a petroleum technology program and expansion of undergraduate geology program. Teach courses in introductory geology, geophysics, structural geology, and geophysical techniques. Earned doctorate is desirable. Field experience in mapping, geophysical exploration techniques, and practical experience in the petroleum industry is expected. Additional training in petroleum engineering and/or marine science would be useful. Salary dependent upon qualifications; excellent fringe benefits. Send curriculum vitae, three letters of recommendation, and official transcripts to **Dr. Richard B. Hart, Dean, School of Science and Technology, California State College, California, Pa. 15419,** by 15 May 1976. *An Equal Opportunity/Affirmative Action Employer*

HEAD OF DEPARTMENT OF BIOCHEMISTRY

Applications are invited from biochemists for position as professor and head of the Department of Biochemistry, University of Rochester, School of Medicine and Dentistry, Rochester, New York. Interested individuals should send copies of their curriculum vitae and bibliography to: **Dr. Paul Horowitz, Chairman, Biochemistry Search Committee, Department of Physiology, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, N.Y. 14642.**

An Equal Opportunity/Affirmative Action Employer

IMMUNOLOGIST/MICROBIOLOGIST

A full-time faculty appointment in a growing 4-year medical school will be available 1 July 1976. Responsibilities involve participation in teaching second-year medical students medical microbiology and immunology during the fall quarter and elective courses during winter and spring quarters. Ample time, space, and equipment for clinical or basic research. Academic rank and salary open commensurate with quality and experience. Send curriculum vitae and references to **Dr. Emil Kotcher, Head, Department of Microbiology and Immunology, Louisiana State University Medical Center, School of Medicine in Shreveport, Box 3932, Shreveport, Louisiana 71130.**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

FACULTY POSITION BIOCHEMISTRY

Applications are invited for an appointment at the assistant professor level. Preference will be given to candidates with research interests in the biochemistry of mammalian cell surfaces and/or organelle membranes. Please send curriculum vitae, a brief description of research plans, and the names of three references to: **Search Committee, Department of Biochemistry, Dartmouth Medical School, Hanover, N.H. 03755.** *An Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION—MICROBIOLOGY.

The Department of Microbiology at The University of Chicago would welcome inquiries from candidates wishing to join its faculty. We are particularly interested in persons with doctoral and postdoctoral training in either (i) plasmid microbiology including studies of the role of R factors in drug-resistant and infectious diseases or (ii) those aspects of cell biology relevant to the departmental interest including the molecular biology of the eukaryotic gene. Candidates should have a primary interest in research but be prepared to participate in the teaching activities of the department. Interested individuals should send their curriculum vitae, list of publications, and the names of three references to: **Dr. Bernard Strauss, Chairman, Department of Microbiology, University of Chicago, 920 East 58 Street, Chicago, Illinois 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.*

MICROBIOLOGIST

Position for Ph.D. available August 1976 at assistant professor level to teach introductory microbiology at both freshman and advanced undergraduate levels, including laboratories. Also, development of advanced undergraduate courses in medical microbiology and/or virology. Applicants must be capable of involving undergraduates in research programs. Salary \$12,000 to \$15,000 for 10 months. Send, before 30 April 1976, résumé, transcripts, and three letters of recommendation to **Dr. Earl J. Savage, Chairperson, Department of Biological Sciences, Indiana University at South Bend, 1825 Northside Boulevard, South Bend, Indiana 46615.** *An Equal Opportunity/Affirmative Action Employer.*

A full-time Ph.D. **NEUROCHEMIST** is being sought for the position of assistant research neurologist in the Reed Neurological Research Center, UCLA School of Medicine. Applicant needs demonstrated ability with heavy metal toxicology, radiochemical techniques in brain slices, and chemical fractions, lipid chemistry, and enzymology. Applicants should submit a curriculum vitae and reprints to **Pieter Kark, M.D., Assistant Professor of Neurology, Reed Neurological Research Center, University of California School of Medicine, Los Angeles, California 90024.** *UCLA is an Equal Opportunity/Affirmative Action Employer and is desirous of receiving applications from minority and women candidates as well as from other qualified people.*

NEUROENDOCRINOLOGIST NORTHWESTERN UNIVERSITY

Two-year lecturer position available 1 September 1976 in Department of Biological Sciences. Primary role will be to serve as postdoctoral fellow in laboratory of reproductive neuroendocrinology (with N. B. Schwartz). Some undergraduate teaching required.

Send letter, curriculum vitae, and names of three referees to: **Neena B. Schwartz, Department of Biological Sciences, Northwestern University, Evanston, Illinois 60201.**

Northwestern University is an Equal Opportunity Employer.

POSITIONS OPEN

MICROBIOLOGIST

The Skidaway Institute of Oceanography invites applications from Ph.D.-level microbiologist to fill a full-time research position at the assistant professor level. Applicant's research interest should be in environmentally related marine problems. Before 30 May 1976 send curriculum vitae and at least three references to: **Director, Skidaway Institute of Oceanography, P.O. Box 13687, Savannah, Georgia 31406.** *An Equal Opportunity/Affirmative Action Employer.*

OBSERVATORY ENGINEER/SUPERVISOR

The University of Texas McDonald Observatory is seeking an engineer who has had experience with large optical and mechanical systems associated with astronomical telescopes to supervise a small technical support group and to provide expertise in the optical and mechanical areas. This group provides maintenance and operational support for the Observatory's computer, electronic, optical, and mechanical equipment. The successful applicant will have extensive supervisory experience and will be familiar with modern scientific applications of computers and other electronic equipment. Residence at McDonald Observatory is required. Beginning salary commensurate with education and experience. Submit résumé to **Superintendent, McDonald Observatory, P.O. Box 1337, Fort Davis, Texas 79734,** or apply:

**University of Texas at Austin
Office of Personnel Services and Employee Relations
2613 Wichita
Austin, Texas 78712**

An Equal Opportunity/Affirmative Action Employer

OVERSEAS POSITIONS

SAUDI ARABIA—Program to assist in formulating, executing, and coordinating research to develop agricultural and water resources requires **soil scientist, agricultural administrator, analytical chemist, plant physiologist, animal scientist, hydraulic engineer, industrial engineer, and hydrologist.**

EAST AFRICA—(Kenya-Tanzania)—Program to develop recommendations for cropping systems to increase and stabilize food crops production requires **plant geneticist, biochemist, plant pathologist, soil scientist, and agronomist.**

Levels of responsibility vary, with salary range of \$13,581 to \$35,253, plus substantial benefits.

To receive consideration, mail complete résumé, preferably on U.S. Standard Form 171 (Personal Qualification Statement), available at most federal government offices, to:

**Mrs. Elsie E. Walker
U.S. Department of Agriculture
Agricultural Research Service (IPD)
Room 566, Federal Building
Hyattsville, Maryland 20782
Telephone: 301-436-8116**

Equal Employment Opportunity Employer

The Smithsonian Science Information Exchange (SSIE) invites applications from qualified individuals for a **POSITION** involving the analysis and indexing of cancer research grant and contract applications. Required is a Ph.D. or equivalent qualifications with research background in physiological or medical aspects of cancer research.

Interested applicants should send a curriculum vitae to **Leonard Saslaw, Ph.D., Smithsonian Science Information Exchange, Room 300, 1730 M Street, NW, Washington, D.C. 20036.** *SSIE is affiliated with the Smithsonian Institution and is an Equal Opportunity/Affirmative Action Employer.*

The Smithsonian Science Information Exchange (SSIE) invites applications from qualified individuals for a **POSITION** involving the interpretation and indexing of descriptions of current research projects in medical and related fields and the preparation of research directories. Required is a graduate degree in immunology or microbiology with a strong background in the latest advances in immunology. Experience in the clinical area or with cancer research would be helpful.

Interested applicants should send a curriculum vitae to **Dr. Charlotte Damron, Smithsonian Science Information Exchange, Room 300, 1730 M Street, NW, Washington, D.C. 20036.** *SSIE is affiliated with the Smithsonian Institution and is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

HEALTH SCIENCES PROGRAM. Two positions available 1 September 1976. One position entails both program direction and teaching and one teaching only. Undergraduate program emphasizing occupational health and industrial hygiene established in fall 1975. Send résumé to **Vice President, Academic Affairs, California State University, Hayward, Hayward, California 94542.** Applications accepted until 15 May 1976. *An Affirmation Action Employer, conforming with Title IX, and all other federal and state nondiscrimination regulations.*

PHARMACOLOGIST at doctorate level with experience in intestinal and anaerobic microbiology, germ-free animal work, and gas and liquid chromatography. Position available at the University of California at Los Angeles School of Medicine. **Box 193, SCIENCE.**

An Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL BIOLOGIST for 2 years' work on action of chemical carcinogens on cultured epithelial cells, experience in cell cultures. Salary open. Position available July 1976 in new research facility 30 miles north of New York City. Send curriculum vitae to: **Personnel Department D, American Health Foundation, 1370 Avenue of the Americas, New York, New York 10019.**

An Equal Opportunity Employer

POSITION

Revco, Inc., a manufacturer of refrigerated medical products, has an opening for a male or a female willing to travel extensively to collect and compile information of present and new products. Applicants must be self-motivated and able to communicate with all levels of professional people. A marketing aptitude with ability to transfer ideas and information onto paper is a must. Because of contact with research scientists a Ph.D. degree in biological sciences or a related field is highly desired. **Box 192, SCIENCE.**

THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND ECOLOGY

Vacancies: RESEARCH SCIENTISTS (Sensory Physiology Research Unit). Ref. Sci/76/4. (Two posts to be filled immediately.)

Qualifications: At least a Ph.D. degree in zoology, entomology, or physiology. Preference will be given to candidates with a broad background in chemistry, physics, and general physiology.

Experience: Suitable candidates should have considerable practical experience in sensory electrophysiological techniques preferably at single-cell level, quantitative and qualitative behavior studies, including the bioassay of natural products. Experience in histology and transmission and scanning electron microscopy would be an asset.

Responsibilities: Successful candidates will be required to work in the field of sensory physiology and behavior of insects and ticks restricted to one or several of the ICIPE target organisms: tsetse flies, termites, ticks, armyworm moths, mosquitoes, stem-borers and shoot-flies. The project work will be defined in greater detail with target-oriented research program teams. Willingness to collaborate with colleagues in other disciplines is of first-order importance. In spite of the relative adequate availability of research equipment at the Centre, the situation calls for innovative ability for improvisation.

Salary: According to qualifications and experience.

Benefits: Benefits will include 10 percent gratuity of basic yearly salary for the completed years of service, a housing allowance, a small transport allowance, and group medical insurance.

General: Applications, in six copies, should give the following detailed information: general education, professional qualifications, experience, marital status, age, present salary: present terms and conditions of service, and names and addresses of four referees (including one personal referee). Photostat copies of relevant diplomas, certificates, and testimonials should be enclosed.

Applications should be addressed to:

**The Administrative Manager
ICIPE Research Centre
P.O. Box 30772
Nairobi, Kenya**

to reach him not later than 30 April 1976.

16 APRIL 1976

POSITIONS OPEN

PHARMACOLOGIST/IMMUNOLOGIST

The Division of Infectious Diseases, University of California at Los Angeles, has position for pharmacologist/immunologist with 2 years of experience beyond Ph.D. Requires expertise to develop new RIA procedures for study of antibiotic pharmacokinetics and assessment of host defense mechanisms. Experience in lipid chemistry, chromatography, and immunology highly desirable. Possible teaching responsibility in the Department of Pharmacology. Salary and academic appointment commensurate with experience. Send curriculum vitae and names of three references to **Lowell S. Young, M.D., Department of Medicine, University of California at Los Angeles Medical Center, Los Angeles, Calif. 90024.** *An Equal Opportunity/Affirmative Action Employer.* Position available 1 July 1976.

POSTDOCTORAL AND FACULTY POSITIONS EXPERIMENTAL AND CLINICAL IMMUNOLOGY RUSH MEDICAL COLLEGE

The Department of Immunology of Rush Medical College is offering positions to individuals interested in humoral and cellular aspects of the immune response during inflammation and disease, and in clinical immunology.

Problems currently under investigation include the immunobiology of the complement system and acute phase reactants, particularly C-reactive protein; humoral and cellular responses in the acute phase of inflammation; immunological injury in infectious, rheumatoid, and renal diseases; and tumor immunology.

Appointments will be made at the level of instructor or assistant professor, depending upon experience.

For further information write **Henry Gewurz, Chairman, Department of Immunology, Rush Medical College, 1753 West Congress Parkway, Chicago, Illinois 60612.**

Rush-Presbyterian-St. Luke's Medical Center has a continuing program of Affirmative Action in the area of Equal Employment Opportunity.

POSITIONS OPEN

PHYSIOLOGY RESEARCH ASSOCIATE

To assist in supervision of cerebral microcirculation laboratory mainly utilizing oxygen microelectrode. Ph.D. and technical competence in circulation and electrophysiology required. Postdoctoral experience not necessary. Submit curriculum vitae to **Dr. James Halsey, Department of Neurology, University of Alabama Medical Center, Birmingham, Alabama 35294.**

POSTDOCTORAL POSITION—Available September 1976. For a candidate with superior training and ability in biochemistry, genetics, or molecular cytology who will initiate and conduct research on mechanisms of shutoff of host functions after T4 bacteriophage infection. Send curriculum vitae and names of three references to: **James F. Koerner and D. Peter Snustad, Department of Biochemistry, Medical School, 227 Millard Hall, University of Minnesota, Minneapolis, Minnesota 55455.** *An Equal Opportunity Employer.*

A **POSTDOCTORAL POSITION** paying NIH stipend levels plus \$1000 per year is available for work in neuroanatomical aspects of primate mesolimbic, dopaminergic, and serotonergic systems as well as correlated lesion and pharmacological experiments. If interested, please send your curriculum vitae, including a description of your thesis, and the name of one or two graduate school teachers (especially your thesis adviser) who know you. New York area. **Box 197, SCIENCE.** *An Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH POSITION—CELL GENETICS. Position available from June 1976. Studies of mutagenesis and repair of DNA in haploid cultured cells in the laboratory of Dr. Jerome J. Freed. Training in cell culture genetics and cytogenetics. Send résumé and three references to **Ms. M. T. Dixon, The Institute for Cancer Research, Fox Chase Cancer Center, Philadelphia, Pa. 19111.** *An Equal Opportunity/Affirmative Action Employer.*

EUGENE P. WIGNER Postdoctoral Fellowship Program Oak Ridge National Laboratory

The Oak Ridge National Laboratory announces the establishment of a postdoctoral fellowship program, **The Eugene P. Wigner Fellowships**, in honor of Professor Eugene P. Wigner, Nobel laureate (1963) and former Director of Research at the Oak Ridge National Laboratory. The annual appointment of approximately 5 new Eugene P. Wigner Fellows will provide an opportunity for a number of outstanding postdoctoral level engineers and life, physical, and social scientists to select and pursue research in an area related to national energy problems and needs. The Eugene P. Wigner Fellows, no more than 3 years past the doctorate degree, will receive 2-year appointments. In recognition of the fact that the Fellows will be exceedingly well-qualified, fully competitive salaries will be offered. Benefits, travel, and relocation expenses will be borne by the Laboratory. A select number of recipients may subsequently be offered permanent appointments at the Laboratory. Oak Ridge National Laboratory is operated by the Nuclear Division of Union Carbide for the Energy Research and Development Administration.



Eugene P. Wigner Fellowship Selection Panel
Office of Professional and University Relations
Oak Ridge National Laboratory
Oak Ridge, Tennessee 37830

An equal opportunity/affirmative action employer

MICRO- BIOLOGIST/ VIROLOGIST, PhD.

Specialty training and competence should be in animal virology, molecular biology, and tissue culture. Sound knowledge of immunology would be helpful. Seek individual with industrial experience in antiviral chemotherapy, but with broad knowledge of microbiology in general. Send CV including salary history as soon as possible to:

**Dr. Gerald D. Mayer
Department Head
Infectious Diseases**

Merrell

**Merrell-National
Laboratories**

**110 East Amity Road
Cincinnati, Ohio 45215**

*An Equal Opportunity
Employer M/F/H*

POSITIONS OPEN

POSTDOCTORAL FELLOW—RESEARCH ASSOCIATE (Ph.D., M.D., or equivalent). A qualified applicant for a traineeship in molecular approaches to chemical carcinogenesis and DNA repair is being sought for late summer 1976. Background in molecular biology and cell culture work is desirable but is not required. Salary commensurate with training and experience. Send curriculum vitae and bibliography to: **Michael W. Lieberman, M.D., Ph.D., Department of Pathology, Washington University School of Medicine, St. Louis, Missouri 63110. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL RESEARCH ASSOCIATE

This position is immediately available for persons with Ph.D. in immunology or microbiology. The research will deal with the regulation of immune responses by specific cells and antibodies. Send curriculum vitae, list of publications, and letters of recommendation to **Dr. H. Köhler, La Rabida—University of Chicago Institute, East 65th Street at Lake Michigan, Chicago, Ill. 60649.**

POSTDOCTORAL RESEARCH ASSOCIATE

Position available for recent Ph.D. trained in mammalian genetics, to work on genetic relationships in hypertension. Training in the genetics of continuously varying traits is desirable. Send curriculum vitae and names of three references to: **Dr. E. P. Cronkite, Chairman, Medical Department, Brookhaven National Laboratory, Upton, Long Island, N.Y. 11973. An Equal Opportunity Employer, M/F.**

POSTGRADUATE RESEARCHER

An immediate opening is available for an electron microscopist in a urology research group primarily concerned with urologic oncology. The major research emphasis will be to identify sequential morphological changes which occur in prostatic adenocarcinoma cells during the course of disease and during the application of established therapeutic regimens. Applicant should have experience with relevant SEM and TEM methodology. Please send curriculum vitae and names of two references to: **Dr. Don D. Mickey, Urology Research, Box 3062, Duke University Medical Center, Durham, N.C. 27710. An Equal Opportunity/Affirmative Action Employer.**

FACULTY

The University of Houston at Clear Lake City, a junior-senior graduate institution, offering interdisciplinary programs in technologies and the applied sciences, has a faculty opening for:

Program Director for Science for Society

Duties are administrative, program development and teaching. Ph.D. with both teaching and non-academic or industrial experience, qualified to teach in graduate programs. Rank and salary commensurate with qualifications and experience.

University of Houston at Clear Lake City is in the Clear Lake area midway between Houston and Galveston, offering excellent year-round recreational facilities. Send résumé/curriculum vitae and personal data to:

**Dean, School of Sciences and Technologies
University of Houston at Clear Lake City
2700 Bay Area Boulevard
Houston, Texas 77062**

Equal Opportunity Employer

REPRODUCTIVE BIOLOGIST. Position available 1 July 1976. Requirements: predoctoral training in reproductive biology and a minimum of 2 years of postdoctoral experience in the field of mammalian gamete interaction in vitro. Demonstrated research experience with mammalian "sperm motility factor" preferred. The position carries joint academic appointment in pathology and obstetrics and gynecology, University of California, Los Angeles; salary commensurate with qualifications and experience. Applications complete with curriculum vitae and bibliography should be addressed before 15 May 1976 to: **Luciano Zamboni, M.D., Chairman, Department of Pathology, Harbor General Hospital, 1000 West Carson Street, Torrance, California 90509.**

POSITIONS OPEN

POSTDOCTORAL POSITION available 1 September 1976. Photochemical labeling of active sites of enzymes. Interested persons should send their résumés to **S. S. Hixson, Department of Chemistry, University of Massachusetts, Amherst, Massachusetts 01002. An Affirmative Action/Equal Opportunity Employer.**

RESEARCH ASSOCIATE—Biomedical Engineering. The applicant will provide investigative and technological support to a small research team engaged in the development of ultrasonic blood-flow measuring apparatus. Master's degree or equivalent experience required. Salary based on applicant's experience and qualifications. Submit credentials, before 24 April 1976, to **C. J. Drost, Department of Physiology, Biochemistry and Pharmacology, New York State College of Veterinary Medicine, Cornell University, Ithaca, N.Y. 14853. An Equal Opportunity Employer.**

RESEARCH ASSOCIATE POSITION

Available immediately. Recent Ph.D. (or Ph.D. pending) with training and/or experience in protein purification and/or enzyme kinetics for research on the regulation of collagen synthesis in vivo and in tissue culture systems. Applicants with some background in connective tissue research preferred. **Dr. George C. Fuller, Department of Pharmacology, University of Rhode Island, Kingston, R.I. 02881. An Equal Opportunity/Affirmative Action Employer. Women and minorities are urged to apply.**

RESEARCH POSITIONS OIL POLLUTION

Several positions are available for scientists interested in particular aspects of oil pollution: (i) microbial degradation, (ii) effects on marine organisms (physiology, histopathology, or behavior), and (iii) fates of petroleum compounds in the oceans. Appointments are for 1 year with possibilities for extension. Applicants should send curriculum vitae, research interests, and names and addresses of three references to: **The Director, Bermuda Biological Station, St. George's West, Bermuda.**

Applications are invited for the position of **RESEARCH SPECIALIST** beginning 30 August 1976. Preference will be given to Ph.D. or equivalent applicants possessing research experience with indicator organisms and effects of heavy metals and organic pollutants on aquatic communities. Additional duties may include teaching in public health-related sciences.

Please send complete curriculum vitae and three reference letters to: **Dr. A. B. Dickas, Center for Lake Superior Environmental Studies, University of Wisconsin, Superior, Wisconsin 54880. An Affirmative Action/Equal Opportunity Employer.**

RESPIRATORY PHYSIOLOGIST

Assistant research physiologist, University of California, Irvine, Air Pollution Health Effects Laboratory. Position available immediately involving pulmonary research and use of pulmonary function tests to assess toxic injury in animals. Involves strong collaborative work in ongoing program in inhalation toxicology of aerosols and gases. Recent Ph.D., or D.V.M. with research experience required. Closing date for applications is 1 May 1976. *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. Robert F. Phalen, Community and Environmental Medicine, College of Medicine, University of California, Irvine, Calif. 92717.**

TERRESTRIAL ECOLOGIST

Environmental Science and Engineering, Inc., Gainesville, Florida, has an opening for a terrestrial ecologist. The position is at the scientist level (minimum education, M.S.) and job responsibilities will include all major facets of environmental consulting. Prefer person who has statistics, modeling, and writing skills. Governmental and/or industrial consulting experience advantageous. Send résumé and the names of three references to **Dr. Frank Benenati, Senior Terrestrial Ecologist, P.O. Box 13454, University Station, Gainesville, Fla. 32604.**

POSITIONS OPEN

POSTDOCTORAL POSITIONS in viral oncology and related fields are available in NCI-supported training program. Research interests of participating faculty include viral and cellular control functions in productively or abortively infected and in transformed cells, structural and functional analysis of viral and cell membranes, defective virus, nucleic acid structure, and immunological aspects. Résumés, references, and inquiries should be sent to:

**Dr. R. Walter Schlesinger
Department of Microbiology
College of Medicine and Dentistry of New Jersey
Rutgers Medical School
P.O. Box 101
Piscataway, New Jersey 08854**

An Equal Opportunity/Affirmative Action Employer

RNA TUMOR VIRUSES. Research program requires Ph.D. with postdoctoral experience. Appointment will be at assistant professor level. Applications with curriculum vitae and names of three referees should be sent to **Director, Cancer Research Laboratory, University of Western Ontario, London, Canada N6A 5B8.**

CORNING

CORNING GLASS WORKS

SENIOR MICROBIOLOGIST

Ph.D. for basic research in fermentation and general microbiology with 3 to 5 years of experience in industrial fermentations and knowledge of mycology. Position involves aid in continuing fermentation research and application of microbiology toward new products. Position will be primarily benchwork with supervision of one technician.

Reply to:

**Gordon R. McPherson
Personnel Manager
Technical Staffs Division
Corning Glass Works
Corning, New York 14830**

An Equal Opportunity Employer

SENIOR RESEARCH SCIENTIST

To develop tissue culture laboratory that will serve as a resource to large health care companies with many diversified interests. Individual should have a Ph.D. in an appropriate discipline. Will be expected to function independently and should be able to perceive how this new technology could be applied, other than for screening materials, to our broad-based research needs. We are a major research facility located in central New Jersey.

We offer an excellent starting salary and outstanding benefits programs for you and your family. Interested applicants should forward their résumé in confidence including salary requirements to: **Box 198, SCIENCE. We are an Equal Opportunity/Affirmative Action Employer and encourage applications from members of minority groups and women.**

Dome

IMMUNOLOGIST

Successful candidate should possess a Ph.D. or equivalent experience for our position in the Biological Product Development Laboratory of Dome Laboratories. The successful candidate need not have post graduate experience but have in-depth knowledge in the field of Immunology. Major initial responsibility will be in the area of allergenic extracts.

Excellent starting salary, superior benefits including relocation paid by the company. Send resume in confidence to Mr. John Schulz, Director, Human Resources.

Dome Laboratories

Division
Miles Laboratories Inc
West Haven
Connecticut 06516USA



An equal opportunity
employer M/ F.

SENIOR SCIENTIST MICROBIOLOGIST

Our continuous growth as a world leader in the production of radioactive chemicals, has resulted in new opportunities for outstanding professionals to develop within a technically stimulating environment.

MICROBIOLOGIST

PhD or relevant experience in MICROBIOLOGY or appropriate areas of molecular biology is required for this position. Preference will be given to those candidates having familiarity with BACTERIAL REGULATIONS, ENZYMOLOGY, and MICROBIAL GENETICS.

This position requires an ability to generate new ideas and carry out work at the bench within the scope of predetermined interests of the MICROBIOLOGY group at New England Nuclear.

Duties will include improving technology including technology for biosynthesis, isolation and purification of various radioactive materials, as well as developing new labelled compounds. Candidates must be able to write technical reports and possibly supervise professional level personnel.

We anticipate compensating the most qualified candidates with a more than competitive salary and benefit program including tuition reimbursement and relocation costs. Interested and qualified applicants may submit their resume in complete confidence to Mr. John R. Chabot, Corporate Employment Manager, New England Nuclear Corporation, 549 Albany Street, Boston, MA 02118.



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Address inquiries to: Personnel Director, Pfizer Central Research Division, Eastern Point Road, Groton, Connecticut 06340



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SENIOR AQUATIC ECOLOGIST

The Environmental Sciences Division of the Oak Ridge National Laboratory announces an opening for Aquatic Ecology Section Head. The candidate must be an established senior level aquatic ecologist, with a broad perspective, having a minimum of Ph.D., or equivalent, with 5-10 years experience in research and administration. The candidate must have a demonstrated capability for program and personnel management. The Aquatic Ecology Section Head will be responsible for intellectual and scientific leadership of both basic and applied research programs in the general area of Aquatic Ecology, and will contribute to the development of multidisciplinary research both within and outside the Environmental Sciences Division. The Aquatic Ecology Section, with 30 scientific staff, is one of five sections in the Division and is conducting research for a wide variety of agencies on population dynamics, the behavior of environmental contaminants, and the ecological effects of energy technologies.

The Oak Ridge National Laboratory offers excellent working conditions and is located less than ten miles from Oak Ridge and twenty miles west of Knoxville, Tennessee. The Laboratory is in the heart of East Tennessee's mountain and lake region near the Great Smoky Mountain National Park. Oak Ridge National Laboratory is operated by the Nuclear Division of Union Carbide for the Energy Research and Development Administration.

Send detailed resume including salary requirements and transcripts by May 1, 1976 to:



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

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POSITIONS OPEN

SCIENCE AND TECHNOLOGY

The University Studies/Weekend College Program of the College of Lifelong Learning at Wayne State University, a degree-granting general education program for working adults in an urban setting, anticipates several openings for September 1976 for faculty positions in the Science and Technology Division. Applicants should have a strong primary interest in undergraduate interdisciplinary teaching and in utilizing innovative teaching methods, a solid background in one or more of the natural sciences, an interest in promoting the social and cultural aspects of science, and a willingness to teach courses outside your specific field. A Ph.D. is preferred. Your letter to **Nola Tutag, Director, 300 College of Lifelong Learning Building, 2978 West Grand Boulevard, Wayne State University, Detroit, Michigan 48202**, should indicate the nature of your interest in teaching in a general education program and include a curriculum vitae. Application deadline is 15 May 1976.

SCIENTIST POSITION

A position of staff or senior scientist is available at the Worcester Foundation for Experimental Biology for a person with sound knowledge and experience in endocrinology and biochemistry. The chosen candidate will be expected to work at the physiological and molecular levels on the mode of action of ACTH, and should be willing to work collaboratively with other scientists in efforts to further develop aspects of ongoing research with both normal and neoplastic tissues. Send résumé, three letters of references, and a summary of research objectives to: **Ash-ton Gibbons, Ph.D., Director of Personnel, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Mass. 01545**.

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YALE UNIVERSITY SENIOR SOLID STATE THEORIST

The Department of Engineering and Applied Science announces a senior faculty opening in the area of theoretical solid state physics. The appointment will be made at either the associate or full professor level and will carry tenure. Applications from qualified applicants are invited. *Yale University is an Equal Opportunity Employer with an Affirmative Action Program, and the Department welcomes applications from women and members of minority groups.* Applications and inquiries should be addressed to:

**The Chairman
Department of Engineering and Applied Science
Yale University
New Haven, Connecticut 06520**

Expressions of interest should be received before 1 July 1976.

SUPERVISOR GENERAL BIOLOGY PROGRAM UNIVERSITY OF TENNESSEE, KNOXVILLE

Beginning September 1976 a position to supervise and coordinate faculty and graduate T.A.'s in an existing three quarter course in general biology for majors, potential majors, and nonmajors (approximately 2200 students). The primary duty will be to coordinate the course or courses, as future student necessity and applicant interest dictates. Research interest may be any area of the life sciences. Some training and/or experience in the handling of large introductory courses in general biology is desirable. Appointment and salary will be at the assistant or associate professor level. Send résumé including teaching experience and research and names of three references to **Dr. J. M. Liles, Department of Zoology, The University of Tennessee, Knoxville, Tenn. 37916**. Application deadline: 28 April. *An Equal Opportunity Employer.*

TEACHING EQUIPMENT: Leading publicly held company in the field of science teaching equipment has opening for individual to develop and maintain a line of environmental science teaching equipment for college and university level. Individual will also be responsible for applications and sales literature and technical support to sales group. Send résumé in complete confidence to:

Box 182, SCIENCE

FELLOWSHIPS

POSTDOCTORAL POSITIONS

Positions are available for recent Ph.D. graduates interested in advanced training and research on the mechanisms of selectivity of drug action. Areas currently under study are: (i) the biochemical-pharmacological basis for the effects of anticancer and antiviral treatments, inclusive of pharmacokinetics, drug biotransformation, and target cell determinants of drug action; (ii) the selective effects of drugs on the various components and interactions involved in immune responses to tumor and nontumor antigens; (iii) the regulation of cell metabolism by hormones, nucleotide pools, and cyclic nucleotides, particularly cyclic CMP; (iv) the pharmacological and cellular basis for chemical carcinogenic transformation in animals and in tissue culture; and (v) clinical pharmacological studies on drug selectivity. Nucleosides, antifolates, carbohydrates affecting the plasma membrane, and anthracycline antibiotics are among the classes of agents studied. Reply in writing to **Dr. E. Mihich, Department of Experimental Therapeutics, Grace Cancer Drug Center, Roswell Park Memorial Institute, Buffalo, N.Y. 14263**. Please include curriculum vitae and indicate at least two references.

POSTDOCTORAL FELLOWSHIP. Position available 1 July 1976 with up to 3 years of support for study of the biochemistry of blood coagulation proteins using physical, biochemical, and immunological techniques. Salary based on NIH stipends. Applicants with Ph.D. or M.D. should have background in protein chemistry, enzymology, or physical biochemistry. Send curriculum vitae and three references to: **Dr. Bruce Furie, Department of Medicine, Tufts-New England Medical Center, Tufts University School of Medicine, 171 Harrison Avenue, Boston, Mass. 02111**.

POSTDOCTORAL FELLOWSHIP IN CELL BIOLOGY. Training grant in developmental medicine and surgery at the Massachusetts General Hospital for holders of Ph.D. or M.D. degrees. Structured interdepartmental seminars. Research on molecular biology of organ growth. Opening available 1 October 1976. *Members of minority groups are encouraged to apply.* Write **Training Grant, Staff Box 133, Massachusetts General Hospital, Boston, Massachusetts 02114**.

POSTDOCTORAL FELLOWSHIPS IN EXPERIMENTAL PATHOLOGY. Applications from persons holding advanced degrees (M.D., D.V.M., D.D.S., or Ph.D.) are invited for a small number of fellowships. Areas of research training span a wide range with a general emphasis on cellular pathology and include aging, amyloidosis, atherosclerosis, cell injury, cytogenetics, hypertension, immunopathology, inflammation, oncology, as well as specific organ pathology. Potential applicants should write to **Dr. David Lagunoff, Department of Pathology SM-30, University of Washington, Seattle, Washington 98195**. *Affirmative Action/Equal Opportunity University.*

POSTDOCTORAL FELLOWSHIP

Investigation of nucleation and precipitation of cholesterol, metabolism of cholesterol, bile acids, and phospholipids and lipid structural studies including micellization. Background in biochemistry and physiology of lipids. Write:

**Dr. R. Thomas Holzbach
Head, Gastrointestinal Research Unit
The Cleveland Clinic Foundation
9500 Euclid Avenue
Cleveland, Ohio 44106**

CARDIOVASCULAR RESEARCH FELLOWSHIP. Postdoctoral fellowship position for research training in:

- 1) Physiology, pathophysiology, and pharmacology of cardiac and skeletal muscle.
- 2) Reflex control of the circulation.
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- 5) Computer applications in clinical cardiology.

Position available immediately for candidates with M.D. or Ph.D.; stipend \$12,600 and up, depending on experience. May combine with advanced clinical training in cardiovascular medicine. Contact **Robert G. Tancredi, M.D., Director, Cardiovascular Research Training Program, Mayo Clinic, Rochester, Minn. 55901**. *An Equal Opportunity Employer.*

GRADUATE STUDY

GRADUATE STUDY leading to the Ph.D. in multidisciplinary areas of muscle membrane biology in health and disease. Studies range from the molecular nature of cardiac, skeletal, and smooth muscle contraction, ion transport, protein synthesis, energy metabolism, and cardiovascular drug effects to biochemical and functional correlates in heart failure, ischemia, and hypertension. Stipends and tuition support available. **Dr. J. C. Allen, Department of Cell Biophysics, Baylor College of Medicine, Houston, Texas 77030**. *Equal Opportunity Employer.*

PROGRAMS

University of Southern California Catalina Marine Science Center SUMMER PROGRAM IN NEUROSCIENCE 26 July to 28 August 1976

Five week "hands on" electrophysiology course. General topics: intracellular and extracellular single unit recording; ionic basis of excitability; statistics of synaptic phenomena; intracellular staining; neuronal correlates of behavior. Participants: **H. Wachtel** (instructor), **D. Willows**, **G. Moore**, **L. Bishop**, **A. Siger**.

For information about application and financial aid, contact: **Dr. Alvin Siger, Department of Biological Sciences, University of Southern California, University Park, Los Angeles, Calif. 90007**.

CATALINA MARINE SCIENCE CENTER

We are pleased to announce our 1976 Summer Program of marine biology courses at Santa Catalina Island:

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Behavior and Functional Morphology of Marine Arthropods (17 June to 21 July). **William Hernkind**, instructor.

Ecology of Marine Shore Fishes (26 July to 28 August). **Robert J. Lavenberg**, instructor.

Neurosciences Program (26 July to 28 August). **Alvin Siger** and **Howard Wachtel**, instructors.

During the academic year formal courses are also available. Research opportunities and conference facilities are available throughout the year.

For additional information, write **Russel Zimmer, Catalina Marine Science Center, P.O. Box 398, Avalon, California 90704**, or telephone 213-746-6793.

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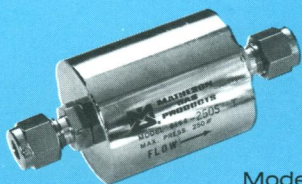
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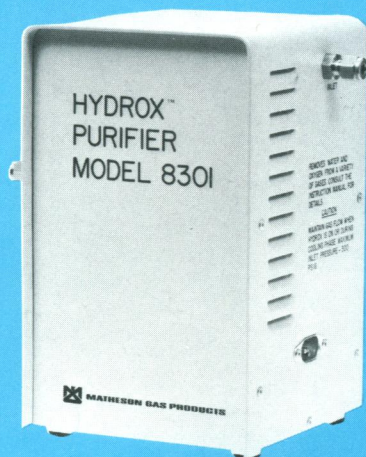
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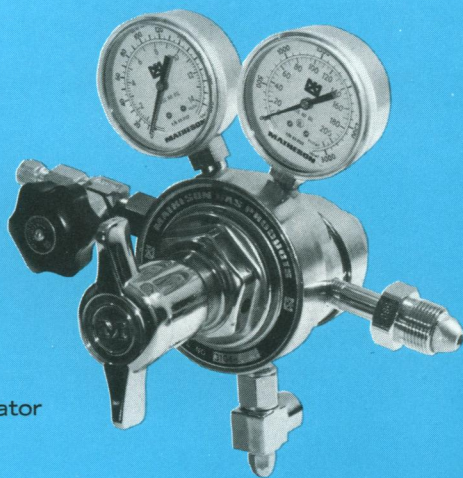
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