

Personnel Placement

POSITIONS WANTED

Biochemist. Ph.D. 1972. Publications. Experienced in biochemistry/pharmacology of cyclic nucleotides, enzymology, endocrinology, cell membrane, development, alcoholic study. Three years of teaching. Seeks research/teaching/industrial position. Box 473, SCIENCE. X

Biochemist/Organic Chemist: Finishing postdoctoral on inhibition of enzymes. Ph.D. in organic chemistry. Industrial and academic experience in proteins, enzymes, and organic syntheses. Desires research position. Box 474, SCIENCE. X

Biophysicist. Ph.D., postdoctoral experience, exceptional academic background. Experimental and theoretical research in membrane transport and related phenomena (that is, reaction-diffusion coupling). Publications. Industrial position preferred. In United States or elsewhere. Box 475, SCIENCE. X

Clinical Research Monitor. Eleven years of experience with major drug company. Experience: burns, hypertension, urology, extracorporeal circulation, Phase I-4 studies, protocol design, grant negotiation, NDA's, and ANDA's. Publications and curriculum vitae on request. Box 476, SCIENCE. X

Health Scientist: Ph.D. pharmacology, 1967. M.A. health facilities management, 1976. Research and teaching experience in pharmacology and endocrinology; NIH training in diabetes; numerous publications. Seeks research and academic position in pharmacology or endocrinology; or administrative position in field of medical research or health care facilities either in industry, government, or university. Box 477, SCIENCE. X

Pharmacologist. Ph.D. Cardiovascular/neurosensory research. Two years of postdoctoral training, 1 year of faculty experience, 3 years teaching medical/graduate students. Seeks academic position. Box 478, SCIENCE.

Pharmacologist, Ph.D. Recent graduate from leading eastern medical school. Broad-based experience in general pharmacology. Publications. Seeks opportunity to learn electrophysiology and develop independent research project. Collaboration welcome, but not essential. Enjoys teaching, but will consider academic and industrial positions. Box 479, SCIENCE. X

POSITIONS OPEN

ANATOMY-PATHOLOGY

The Departments of Anatomy and Pathology of the Texas Chiropractic College invite applications from competent Ph.D.'s in the above disciplines. Send résumé and references to **Texas Chiropractic College, 5912 Spencer Highway, Pasadena, Texas 77505.**

The Biology Department of Mount Allison University, Sackville, N.B., Canada, wishes to appoint an **ASSISTANT PROFESSOR**, commencing 1 July 1977, Ph.D. in animal physiology, to teach at undergraduate level and conduct research. Salary commensurate with qualifications and experience. Applications with curriculum vitae should be sent to **Dr. C. G. Paterson, Head, Department of Biology, Mount Allison University, Sackville, N.B., Canada, E0A 3C0.**

CARDIOVASCULAR PHYSIOLOGIST

Two positions open: level negotiable. One available immediately, one starting September 1977. Seeking cardiovascular physiologists with interests in stress physiology and/or environmental physiology. Medical and graduate teaching. Research opportunities. Send curriculum vitae and names of three references to **Chairman, Department of Physiology, University of Southern California School of Medicine, 2025 Zonal Avenue, Los Angeles, California 90033. An Affirmative Action Employer.**

POSITIONS OPEN

DEPARTMENT OF ENTOMOLOGY UNIVERSITY OF CALIFORNIA, RIVERSIDE

A full-time position at the level of assistant entomologist and assistant professor will be available 1 July 1977. Duties will involve 90 percent basic and applied research on insect pest management of vegetable crops in southern California and 10 percent teaching, including graduate student supervision. The Ph.D. is required. Applicants should be knowledgeable in insect pest management, ecology, insect toxicology, and statistics. Applications should be received by 30 January 1977. Send résumé, names of five referees, transcripts of undergraduate and graduate work, and list of publications to: **H. T. Reynolds, Search Committee Chairman, Department of Entomology, University of California, Riverside, California 92502. The University of California is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR—The Microbiology Department of the Medical College of Pennsylvania seeks, for 1 July 1977, an immunologist with postdoctoral experience and interest in tumor immunology and oncogenic viruses. Prior training should include a strong background in immunochemistry. Previous experience in teaching medical students desirable. Responsibilities include teaching of immunology and microbiology to medical and graduate students. Candidates are expected to continue their own research and collaborate in joint projects. Send curriculum vitae to **Kurt Paucker, Ph.D., Microbiology Department, The Medical College of Pennsylvania, 3300 Henry Avenue, Philadelphia, Pa. 19129. An Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR, Department of Biochemistry, St. Louis University School of Medicine. The department is inviting applications of well-qualified Ph.D.'s or M.D.'s in the field of cell biology. Experience with animal cell culture and electron microscopy desirable. A research proposal leading to an ongoing research is essential. Good salary and initial research support are available. The department is responsible for teaching both medical and graduate students. Applicants please submit curriculum vitae to **Dr. Robert E. Olson, Chairman, Department of Biochemistry, St. Louis University School of Medicine, 1402 South Grand Boulevard, St. Louis, Missouri 63104. An Equal Opportunity Employer.**

The University of Washington, Department of Anthropology, seeks an assistant professor with Ph.D. for a 3-year appointment (renewable) beginning September 1977. Candidate must teach undergraduate and graduate courses in physical anthropology and direct doctoral research. Desire person with interest and demonstrated research ability in human biological ecology and adaptation. *The University of Washington is an Equal Opportunity Employer and the department is committed to Affirmative Action.* Candidates desiring consideration should send curriculum vitae and other documents demonstrating research ability to: **P. E. Nute, Department of Anthropology DH-05, University of Washington, Seattle, Wash. 98195.**

Assistant Professor experienced in biophysical research in the area of nucleic acids and/or protein structure, to teach biophysical and structural aspects of macromolecules to undergraduates and graduates and to maintain an independent research program. Two years of postdoctoral experience essential. Position available September 1977. Initial appointment for 2 years with expectation of renewal for a maximum of 4 years, at which time it may be converted to a tenured position. Submit curriculum vitae, statement of research interests and teaching background, and four referees from whom references may be obtained to: **Dr. O. P. Bahl, Division of Cell and Molecular Biology, 102 Cary Hall, State University of New York at Buffalo, Buffalo, New York 14214. State University of New York at Buffalo is an Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR. The Department of Food Science, Cornell University, is seeking a Ph.D. to teach "Nutritional Aspects of Raw and Processed Foods." Opportunities for additional teaching and research on the effects of processing on the nutritive value of foods are expected to develop.

Applications should include full professional résumé and three letters of recommendation and should be sent to **Dr. R. A. Ledford, Department of Food Science, Stocking Hall, Cornell University, Ithaca, N.Y. 14853.**

Cornell University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR-PROFESSOR DEPARTMENT OF PEDIATRICS

Applications are invited for full-time faculty positions from candidates who have recognized clinical, teaching, and research experience in endocrinology, gastroenterology, immunology, metabolism, or neonatology. Particular emphasis is to be given to investigation of lipid metabolism and cell membrane chemistry and function. Submit curriculum vitae to **David H. Smith, M.D., Chairman, Department of Pediatrics, University of Rochester Medical Center, 601 Elmwood Avenue, Rochester, New York 14642.**

Applications are invited for a faculty position (**ASSISTANT PROFESSOR**) beginning 1 January 1977 in **COMPARATIVE ANATOMY OF VERTEBRATES**. Teaching traditional comparative anatomy of vertebrates, graduate mammalian anatomy, develop an active research program, and direct graduate research. Ph.D. and a record of excellence in college teaching and research required. Send letter of application, curriculum vitae, complete transcript, outline of research plans, and three letters of recommendation by 12 November to **Dr. C. D. Brown, Chairman, Department of Biology, Memphis State University, Memphis, Tenn. 38152. Equal Opportunity Employer, M/F.**

ASSISTANT PROFESSORS OF INTRODUCTORY BIOLOGY

The Division of Biological Sciences at Cornell University seeks two assistant professors to teach introductory biology courses. One course is for nonmajors (not a course in human biology) and the other is an auto-tutorial course for majors and nonmajors. In addition to teaching, the individuals will be expected to develop a program of research, and subsequent promotion will depend upon both scholarly and teaching performance. The research area for one of these positions will be in the Section of Physiology; the other may lie in any of the five sections which make up the division. Postdoctoral research experience is highly desirable.

Applicants should send a curriculum vitae, which should include a description of teaching experience, and reprints of research publications. They should also ask for three letters of reference to be sent to: **Dr. R. D. O'Brien, Director, Division of Biological Sciences, Cornell University, Ithaca, New York 14850.** The deadline for receipt of applications is 15 December 1976.

Cornell University is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR OF MICROBIOLOGY. It is anticipated that an assistant professor (bacterial physiologist) will be needed in January 1977 to replace a faculty member who will be on a 1-year leave of absence. The position is subject to reappointment. Applicants must have a Ph.D. degree and a minimum of 18 months of postdoctoral research experience at the time application is made. The appointee will be expected to teach courses in bacterial physiology and enzymology and to develop courses in related areas. A strong research program with demonstrated ability to obtain independent support will be essential. Salary will be commensurate with experience. Applications must be received no later than 3 weeks from the cover date of this issue. Send curriculum vitae, reprints of publications, and three letters of recommendation to: **Dr. Edward A. Birge, Department of Botany and Microbiology, Arizona State University, Tempe, Arizona 85281.**

BIOCHEMISTS

Biochemistry, assistant or associate professor. Two positions, state-appropriated salaries, are available. Candidates with experience and intent to do research on the control of proliferation in animal cells and/or biochemical carcinogenesis will be considered. Candidates for either level will be considered depending on: education (Ph.D. required), research experience, and publication record. Applicants must be prepared to establish their own research program within the above designated categories. The research commitment will be for at least 80 percent of the applicant's time with up to 20 percent time allowed for teaching in a degree-granting program of The University of Texas.

Qualified and interested applicants contact: **Dr. Darrell N. Ward, Head, Department of Biochemistry, The University of Texas System Cancer Center, M. D. Anderson Hospital and Tumor Institute, 6723 Bertner Avenue, Houston, Texas 77030.**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

ASSISTANT PROFESSORSHIP OF TROPICAL PUBLIC HEALTH, involving extended overseas assignment for study of natural history of Chagas' disease. Prior field experience with immunologic (humoral and cellular) and epidemiologic Chagas' methodology essential. Fluency in Portuguese and English required. M.D. or Ph.D. eligible; U.S. citizenship necessary. Send résumé with names of three references to: **Thomas H. Weller, M.D., Harvard School of Public Health, 665 Huntington Avenue, Boston, Mass. 02115.** *Harvard University is an Equal Opportunity/Affirmative Action Employer.*

ASSOCIATE PROFESSOR OF CELL BIOLOGY

Associate (or assistant) professor of cell biology, Department of Physiology, Harvard School of Public Health. Biologist interested in the respiratory tract with publications and some competence in histology, electron microscopy, histochemistry, and tissue and organ culture. Essential is a broad interest in pulmonary cell biology and its application to respiratory physiology and pathophysiology. Major responsibility is to carry out independent as well as collaborative research programs with the pulmonary group in the Department of Physiology. Responsibilities also include supervision of graduate students and research fellows as well as teaching of normal pulmonary anatomy and histology in both established courses and in seminars as well as some lectures on introductory cell biology to students at the School of Public Health. Salary is negotiable. Minimum requirements: M.D. or Ph.D. degree, proven ability to work independently, significant publications, and several years' experience in an academic institution. Interested applicants should send their curriculum vitae, list of publications, and names of references to **Dr. Joseph D. Brain, Department of Physiology, Harvard School of Public Health, 665 Huntington Avenue, Boston, Mass. 02115.** *An Equal Opportunity Employer.*

A 2-year position is now available for an **ASSISTANT RESEARCH EPIDEMIOLOGIST** in the University of California International Center for Medical Research in Malaysia. This position is open to American citizens holding an M.D. with additional formal training or experience in infectious disease epidemiology. The successful candidate will join a team conducting research on dengue fever epidemiology. Apply with detailed curriculum vitae and names of referees to: **Dr. Albert Rudnick, Department of Medical Microbiology, Faculty of Medicine, University of Malaya, Kuala Lumpur 22-11, Malaysia.**

An Equal Opportunity/Affirmative Action Employer

BIOLOGIST. To teach microbiology, assist in teaching of general biology and/or human physiology. To begin 12 January 1977 at the rank of assistant professor in a nontenure track for 1½ years, with the possibility of renewal to 5 years. The starting salary will depend upon the applicant's qualifications and experience.

Applicants must have their completed résumés on file by 25 November 1976. Applications should include three letters of recommendation and all college transcripts. *An Equal Opportunity/Affirmative Action Employer.*

Biology Department
Wheeling College
Wheeling, W.Va. 26003

CORONARY PHYSIOLOGY RESEARCH ASSOCIATE

Persons who hold a doctoral degree and are interested in studying the coronary circulation please send a résumé to:

**Dr. Eric Feigl
Department of Physiology and Biophysics SJ-40
University of Washington Medical School
Seattle, Wash. 98195**

An Equal Opportunity/Affirmative Action Employer

The University of Texas Dental School at San Antonio, Department of Oral Diagnosis and Roentgenology, is recruiting for a research position, **DENTAL BIOPHYSICIST**, Ph.D. in basic dental sciences with an in-depth knowledge of electromagnetic studies. Salary and rank commensurate with qualifications and expertise. Send curriculum vitae and other supporting data to **Dr. Charles T. Smith, Associate Dean, Dental School, University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

CELL BIOLOGIST-BIOCHEMIST

Research position for Ph.D. biochemist with extensive experience in culture of mammalian cells. Position involves full-time research on methods for culture of mammalian endocrine cells and the biochemical characterization of somatic hybrids and viral transformants. Studies of receptor mechanisms, peptide hormone synthetic pathways, and cell-free translation experiments are anticipated. The positions available are for junior and senior scientists who will be accorded appropriate responsibilities for program development. Send application with curriculum vitae to **Daniel H. Mintz, M.D., Chief of Endocrinology and Metabolism, University of Miami School of Medicine, P.O. Box 520875, Biscayne Annex, Miami, Florida 33152.** *An Equal Opportunity Employer.*

CELLULAR BIOLOGY AND PATHOLOGY

The Michigan Cancer Foundation wishes to enlarge its program in basic research on the role of the cell surface in the genesis and expression of malignancy. We are especially interested in fostering significant approaches to understanding the mechanisms of tumor metastasis, invasion, nutrition, and vascularization. We invite inquiries from candidates who have completed postdoctoral training and can present clear evidence of the drive and inventiveness required for a significant career in research.

Reply with résumé and a statement of research interests to **Dr. Samuel B. Horowitz, Chairman, Department of Biology, Michigan Cancer Foundation, 110 East Warren Avenue, Detroit, Michigan 48201.**

An Equal Opportunity Employer

CHAIRPERSON

Department of Biochemistry
The University of Pittsburgh School of Medicine

Applications and nominations are invited for the chairmanship of the Department of Biochemistry, University of Pittsburgh School of Medicine. Candidates should be internationally recognized scholars and investigators with demonstrated commitment to medical and graduate education.

Curriculum vitae and bibliography may be submitted to: **Dr. Ernst Knobil, Department of Physiology, University of Pittsburgh, School of Medicine, Pittsburgh, Pennsylvania 15261.**

An Equal Opportunity/Affirmative Action Employer

CHAIRPERSON/HEAD DEPARTMENT OF OPHTHALMOLOGY

The Louisiana State University School of Medicine in New Orleans invites nominations and applications for the position of head, Department of Ophthalmology. Applicant should be a qualified ophthalmologist and have related administrative and research experience. Respond to: **Dr. Harold M. Albert, Chairman, Search Committee, 1542 Tulane Avenue, New Orleans, Louisiana 70112.** *An Equal Opportunity Employer.*

DIRECTOR, DIVISION OF LIFE SCIENCES AND INSTITUTE OF ARCTIC BIOLOGY

Applications are invited for the position of director, Division of Life Sciences and Institute of Arctic Biology, University of Alaska at Fairbanks. The director will have administrative and budgetary responsibility for the instructional programs of the Division of Life Sciences and the scientific programs of the Institute of Arctic Biology. These programs involve marine and terrestrial biology, fisheries and wildlife, anthropology and medical sciences with emphasis on the arctic environment.

Applicants should be senior scientists and hold a doctoral degree or its equivalent in training and experience. Desirable qualifications include published scientific contributions of high quality and evidence of innovation and leadership in an academic program in biological science. Salary is dependent upon qualifications and experience. Closing date: 15 January 1977.

The University of Alaska is an Equal Opportunity/Affirmative Action Employer; women and members of minority groups are encouraged to apply.

Send application, résumé, and names of references to: **Dr. James V. Drew, Chairman, Search Committee, School of Agriculture and Land Resources Management, University of Alaska, Fairbanks, Alaska 99701.**

POSITIONS OPEN

University of California, San Diego, Department of Chemistry, invites applications for a **faculty position in COSMOCHEMISTRY**, beginning September 1977. Rank commensurate with experience, with some preference for junior candidates. Preference is for candidates with interests in meteorites and lunar and planetary studies. However, the specific area is less important than the requirement that the candidate demonstrate exceptional promise in both teaching and research. Candidates should send a curriculum vitae, including a list of publications, a description of research proposals and educational ideas, and the names of three references to: **Chairman, Department of Chemistry B-014, University of California, San Diego, La Jolla, California 92093.** Deadline for receipt of applications is 1 December 1976.

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

DEAN COLLEGE OF AGRICULTURE AND NATURAL RESOURCES MICHIGAN STATE UNIVERSITY

Nominations and applications are sought for the position of dean, College of Agriculture and Natural Resources, Michigan State University, East Lansing.

Qualifications: must qualify for appointment as full professor in an appropriate academic unit and must have substantial administrative experience at departmental equivalent or higher level.

Responsibilities: dean is responsible for operation of the College including instruction, research, and cooperative extension. Academic programs include 16 departments or schools consisting of 420 faculty and over 4000 students. Off-campus, cooperative extension professional field staff number 285.

Closing date for applications and nominations: 20 November 1976.

Applicants should submit a complete résumé with references. Nominations should include present position and mailing address. Additional information available upon request. Applications, nominations, or inquiries should be sent to:

**Dr. John Brake, Chairman
Consultative Committee
23 Agriculture Hall
Michigan State University
East Lansing, Mich. 48824**

An Equal Opportunity/Affirmative Action Employer

DEVELOPMENTAL BIOLOGIST NORTHWESTERN UNIVERSITY

An assistant professor position with opportunity for advancement to tenure is available in the Department of Biological Sciences. The applicant should have a background in developmental and molecular biology with postdoctoral experience and is expected to establish a strong research program on molecular aspects of development.

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

Northwestern University is an Equal Opportunity Employer.

KITT PEAK NATIONAL OBSERVATORY OBSERVATORY DIRECTOR

Responsible as principal scientific officer for operation of the Observatory. The director of Cerro Tololo Inter-American Observatory, Chile, also reports to this officer. These Observatories are operated and managed by the Association of Universities for Research in Astronomy, Inc. (AURA), under contract with the National Science Foundation. The Observatory director reports to the Board of Directors of the Association through the president.

Candidate should be a scientist of stature, with an earned Ph.D. degree in astronomy or a related scientific field and should have demonstrated ability in leadership and management.

Send application or recommendation of candidates to the **Chairman of the Search Committee, Association of Universities for Research in Astronomy, Inc., P.O. Box 49290, Tucson, Arizona 85717.** All applications should be accompanied by a résumé and be received by AURA no later than 15 January 1977.

AURA is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

DEVELOPMENTAL BIOLOGIST EMORY UNIVERSITY

Assistant professorship beginning 1 September 1977. Strong research program with eukaryotic forms required. Background in invertebrate zoology and postdoctoral experience preferred. Both graduate and undergraduate teaching. Appointment on the basis of excellence. Send curriculum vitae, summary of present research interests, and names of three references to: **Dr. Ernest L. Hunt, Chairman, Search Committee, Department of Biology, Emory University, Atlanta, Georgia 30322.** Closing date for receipt of applications is 15 December 1976.

An Equal Opportunity/Affirmative Action Employer

DIRECTOR, GEOPHYSICAL INSTITUTE AND DIVISION OF GEOSCIENCES, UNIVERSITY OF ALASKA

Applications are invited for the position of director, Geophysical Institute and Division of Geosciences. The director will provide scientific leadership and will have administrative and budgetary responsibility for the research programs of the Institute which involve solar-terrestrial physics and aeronomy, meteorology and climatology, glaciology, geology, and solid-earth geophysics; and for the instructional programs within the Division which include graduate studies in all of these fields leading to M.S. and Ph.D. degrees. The current budget exceeds \$6 million and involves 50 professorial and 95 technical and administrative staff. Applicants should be senior scientists with a doctoral degree or its equivalent in training and experience. Selection criteria will include the quality of published scientific contributions, other evidence of scientific innovation and leadership, and administrative/fiscal experience as in the scientific planning and supervision of major projects. Prior involvement with instruction and with research in polar regions will be advantageous. *The University is an Equal Opportunity Employer.* For further information write to **Peter Morrison, Search Committee Chairman, Irving Building, University of Alaska, Fairbanks, Alaska 99701.** The closing date for receipt of applications is 1 March 1977.

ELECTRICAL ENGINEERING AND PUBLIC POLICY

The Department of Electrical Engineering and the Program in Engineering and Public Policy at Carnegie-Mellon University are seeking a person with a doctorate degree, and academic, government, or industrial experience, for a joint position at the assistant or associate professor level. We are particularly interested in persons with technical and policy research interests in power engineering (for example, load management), communications, or transportation. *Carnegie-Mellon is an Equal Opportunity/Affirmative Action Employer.* Send résumé to **Professor Granger Morgan, Electrical Engineering and Engineering and Public Policy, Carnegie-Mellon University, Pittsburgh, Pa. 15213.**

EMBRYOLOGY/DEVELOPMENTAL BIOLOGY

Assistant or associate professor position beginning 15 August 1977. Teaching duties include courses in embryology and developmental biology. Graduate instruction and research is also expected. The Ph.D. is required. Send letter of application, curriculum vitae, transcripts, letters of recommendation, and reprints to **Dr. Carl W. Helms, Head, Department of Zoology, Clemson University, Clemson, S.C. 29631.** Telephone: 803-656-3247.

An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS—NEUROBIOLOGY

The Department of Physiology and Biophysics at the University of Iowa College of Medicine invites applications for faculty positions from individuals with well-defined interests and research accomplishments in cellular or integrative neurophysiology. Applicants must hold the Ph.D. and/or M.D. degree and have a minimum of 2 years of postdoctoral training, with a publication record demonstrating productivity in original research. Candidates should be prepared to establish strong independent research programs and to take an active role in the medical and graduate teaching activities of this department. Please send curriculum vitae, bibliography, and a brief description of research interests, teaching experience, and career objectives, with names of at least three references, to **Dr. Robert E. Fellows, Department of Physiology and Biophysics, University of Iowa College of Medicine, Iowa City, Iowa 52242.**

The University of Iowa is an Equal Opportunity Employer.

POSITIONS OPEN

ENVIRONMENTAL GEOGRAPHER

The Department of Environmental Sciences at Wilkes College has an opening in the cultural geography area starting January 1977. The major responsibility is teaching in an undergraduate B.A. program which emphasizes the social, political, economic, and legal aspects of environmental issues. This is a full-time position at the assistant professor level. Ph.D. desirable. A broad combined natural and social science background is desirable. Applicants should submit résumé and names of three references to **Dr. Bruce Berryman, Acting Chairman, Department of Environmental Sciences, Wilkes College, Wilkes-Barre Pa. 18703.** *An Equal Opportunity/Affirmative Action Employer.*

The Department of Biological Sciences at State University of New York at Binghamton has two vacancies for faculty beginning 1 September 1977. One or both positions will be at the assistant professor level, and one may be at the associate professor level. Salaries are negotiable.

PLANT ECOLOGIST—Requirements: Ph.D. degree and an active research program in ecology. Teaching duties: course in some area of advanced ecology (fall semester), introductory field ecology (spring semester), and seminars.

ANATOMIST-PHYSIOLOGIST. Requirements are Ph.D. or D.V.M., with postdoctoral experience. Active research program in mammalian or human anatomy or physiology. Teaching duties: a two-semester introductory human anatomy-physiology sequence for nonbiology majors and seminars for advanced biology graduate students in the area of the applicant's research interest.

In 1973 the department moved into a new, well-equipped building and has since hired 11 new, full-time faculty. (The present total of 24 faculty will be increased to 27 in 1977.)

Applicants should submit curriculum vitae, reprints, list of grant proposals, and home and business telephone numbers. Those receiving the doctoral degree since 1973 should also send academic transcripts. Each applicant should arrange to have three letters of recommendation sent directly to the Search Committee. Closing date for receipt of applications will be 30 November 1976.

Send all correspondence to either **Chairperson, Plant Ecology Search Committee, or Chairperson, Anatomy-Physiology Search Committee, Department of Biological Sciences, State University of New York, Binghamton, New York 13901.** *An Equal Opportunity/Affirmative Action Employer.*

INDIANA UNIVERSITY SCHOOL OF MEDICINE

Northwest Center for Medical Education seeks applications for a full-time faculty position at the rank of assistant or associate professor to develop and coordinate graduate and postgraduate clinical programs. Send résumé to: **Fred Adler, M.D., Chairman, Search and Screen Committee, Northwest Center for Medical Education, Indiana University School of Medicine, 3400 Broadway, Gary, Indiana 46408.** *Indiana University School of Medicine is an Equal Opportunity Employer.*

The University of Maryland Baltimore County (UMBC) Department of Chemistry invites applications for **FACULTY POSITIONS** at the rank of assistant professor in the areas of (i) synthetic organic and (ii) analytical chemistry. Postdoctoral experience required. Starting date September 1977. Applicants should arrange to have three letters of recommendation, a résumé, and an outline of future research plans forwarded to: **Chairman, Search Committee, Department of Chemistry, University of Maryland Baltimore County, 5401 Wilkens Avenue, Catonsville, Md. 21228.** *UMBC is an Equal Opportunity/Affirmative Action Employer.*

PLANT ECOLOGIST EMORY UNIVERSITY

The Department of Biology of Emory University is seeking a population/community-oriented, terrestrial plant ecologist at the assistant professor level. A strong commitment to research and teaching is essential. Undergraduate teaching will be primarily in the botanical and ecological areas with graduate teaching and supervision of M.S.-Ph.D. students in the applicant's specialty. Send curriculum vitae, course résumé, and names of at least three references by 15 December to: **Dr. Donald J. Shure, Chairman, Ecology Search Committee, Department of Biology, Emory University, Atlanta, Georgia 30322.** *An Affirmative Action/Equal Opportunity Employer.*

POSITIONS OPEN

DEVELOPMENTAL CELL PHYSIOLOGIST—Assistant professor to conduct active research program and teach graduate and undergraduate courses in Ph.D.-granting department. Applicants must possess a Ph.D. degree, postdoctoral experience, publications, and evidence of teaching ability. Background in modern areas of experimental cell physiology, such as eukaryotic cell culture, fine structure, cell aging, nerve cell research, or similar specialization desired. Send curriculum vitae, transcripts, three letters of recommendation, and research plan by 31 December 1976 to: **Dr. Reginald D. Noble, Chairman, Search Committee, Department of Biological Sciences, Bowling Green State University, Bowling Green, Ohio 43403.** *An Affirmative Action/Equal Opportunity Employer.*

FACULTY POSITION—BIOMEDICAL ENGINEERING OR STATISTICS

Applications are requested from persons with strong commitment to high quality scholarship and sincere interest in teaching. The major criterion for our selection will be potential for excellence in the Duke setting. Please send résumé with names of references to: **Theo C. Pilkington, Chairman, Department of Biomedical Engineering, Duke University, Durham, North Carolina 27706.** *Duke University is an Equal Opportunity/Affirmative Action Employer.*

The University of Wisconsin-Madison, Department of Physics, may offer one or more **FACULTY POSITIONS** during the coming year. Areas of particular interest include but are not limited to solid state physics and experimental plasma physics. Applicants should provide evidence of teaching skill and ability to carry out an independent research program. Apply to **W. L. Kraushaar, Chairman, Department of Physics, University of Wisconsin-Madison, Madison, Wisconsin 53706.** *An Equal Opportunity/Affirmative Action Employer.*

FACULTY POSITION— BIOLOGICAL CHEMISTRY

The Department of Biological Chemistry of the UCLA Medical School invites applications from highly qualified individuals for a position at the level of professor or associate professor. A strong commitment in teaching and independent research is required. Areas of particular interest include protein function and chemistry, physical biochemistry, and enzymology. Applicants should send curriculum vitae and names of three references by 31 December 1976 to: **Search Committee, Department of Biological Chemistry, School of Medicine, Center for Health Sciences, University of California, Los Angeles, California 90024.** *An Equal Opportunity Employer. Applications from minority candidates and women are encouraged.*

GEOPHYSICIST Department of Earth Sciences University of California, Riverside

Applications are invited for a faculty position as assistant professor of geophysics. A Ph.D. is a prerequisite. The position is currently available, and it will be 50 percent in the Department of Earth Sciences and 50 percent research appointment in the University's Agricultural Experiment Station.

Duties will include research and teaching both undergraduate and graduate classes. A broadly based person is desired who has teaching and research interests in applied geophysics.

A complete résumé, including the names of three references, should be sent to:

**Dr. W. A. Elders
Chairman, Search Committee
Department of Earth Sciences
University of California
Riverside, California 92502**

The University of California is an Equal Opportunity Employer.

Florida Institute of Technology, Jensen Beach Campus, is seeking a full-time **INSTRUCTOR** for undergraduate courses beginning 1 January 1977 in inorganic chemistry and organic chemistry. Knowledge of pollution analysis or ocean chemistry would be helpful. Ph.D. preferred but will consider well-qualified individuals with a master's degree. Excellence in teaching is essential. Send résumé including transcripts and three letters of recommendation to: **Dr. W. Gehring, Florida Institute of Technology, 720 South Indian River Drive, Jensen Beach, Florida 33457.**

POSITIONS OPEN

The Peoria School of Medicine, one of three clinical schools within the University of Illinois College of Medicine, is seeking a **HEAD** or **CHAIRPERSON** for the Department of Family Practice. This position requires a physician who must be graduated from an approved medical school, must be licensed or eligible for licensure in the state of Illinois, and preferably Board-certified in family practice. Applicants should possess administrative experience, knowledge of funding educational and research programs, teaching experience, and interpersonal skills. This position is available at present, starting date to coincide with selection and approval of the candidate by the dean of the Peoria School of Medicine. Salary open. *The University of Illinois is an Affirmative Action/Equal Opportunity Employer and encourages applications from members of minority groups and women.* Interested persons should send curriculum vitae to **H. Hugh Rohrer, M.D., Chairman, Search Committee for Head/Chairperson for the Department of Family Practice, Peoria School of Medicine, 123 SW Glendale, Peoria, Illinois 61605. Telephone 309-671-3000.** Applications accepted until 31 December 1976.

HEAD, DEPARTMENT OF ANATOMY

The University of Illinois College of Medicine invites applications and nominations for the position of head, Department of Anatomy, in the School of Basic Medical Sciences. The department presently consists of 17 faculty members with research programs.

Applicants should possess a distinguished record in both research and teaching, as well as administrative ability.

Send nominations and applications to: **Dr. N. Khoobyarian, Chairman, Search Committee, Department of Microbiology, 835 South Wolcott Avenue, Chicago, Illinois. Mailing address: P.O. Box 6998, Chicago, Illinois 60680.**

The University of Illinois is an Affirmative Action Employer.

Applications invited for position in **HUMAN ANATOMY**. Individual to teach and coordinate gross morphology in an interdisciplinary curriculum. Demonstrated commitment to excellence in research and teaching essential. One or more years of experience after the doctoral required. Rank of appointment dependent on individual's qualifications. Send complete curriculum vitae, including a statement of research interests, and names of at least three references to **Dr. Allen C. Enders, Chairman, Department of Human Anatomy, School of Medicine, University of California, Davis, California 95616.** Closing date for applications is 15 November 1976. *The University of California is an Equal Opportunity Employer. Applications from women and minorities are encouraged.*

Applications invited for position in **HUMAN ANATOMY**. Individual must be able to teach aspects of gross morphology, cell biology, and histology or neuroanatomy in an interdisciplinary curriculum. Demonstrated commitment to excellence in research and teaching essential. Preference shown to individuals whose research uses the methods of cell biology in examining functional problems. A minimum of 1 year of postdoctoral experience is required. Send complete curriculum vitae, including statement of research interests, and names of at least three references to **Dr. Allen C. Enders, Chairman, Department of Human Anatomy, School of Medicine, University of California, Davis, California 95616.** Closing date for applications is 15 November 1976. *The University of California is an Equal Opportunity Employer. Applications from women and minorities are encouraged.*

MANAGER, BIOLOGICAL PRODUCTS

Expanding, science educational materials company, in the Chicago area, seeks a leader interested in career development. Qualified candidates will have a solid background in the life sciences coupled with industrial experience and a master's degree or Ph.D. in biology. This is an exceptional opportunity to join a young aggressive management team and be fully responsible for manufacturing departments producing biological products as well as participating in new product development. Send full résumé including background, education, experience, and salary history in complete confidence to:

Box 480, SCIENCE

An Equal Opportunity Employer, M/F

POSITIONS OPEN

MARINE RESEARCH

**The Mount Desert Island Biological Laboratory
Salsbury Cove, Maine**

Announces as 15 February 1977 the deadline for applications for research space for the summer season of 1977. Facilities for 30 research groups during the summer, and additional groups in fall and spring are available. Research is limited to flora and fauna of the region. For further information about facilities and fees write: **Dr. Richard M. Hays, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, N.Y. 10461, or telephone: 212-430-3158.**

MICROMETEOROLOGY AGRICULTURAL METEOROLOGY

Research assistants and full-time associate positions open. Assistantships in support of M.S. or Ph.D. degree programs. Background in meteorology, climatology, geography, ecology, engineering, fluid dynamics, or plant or soil science is acceptable. Research under way involves turbulent transport, micrometeorology, evapotranspiration, photosynthesis, remote sensing of the environment. Write or call **Norman J. Rosenberg, Agricultural Meteorology Section, 211 Agricultural Engineering Building, University of Nebraska, Lincoln, Nebraska 68583. Telephone: 402-472-3579.**

NEPHROLOGIST—The Division of Nephrology in the Department of Medicine at the University of Alabama in Birmingham has available a position at the assistant professor level. The position is open to qualified individuals at a senior level fulfilling three criteria. First, the individual must have expertise in the care and management of patients with renal disease and in the operation and administration of a hemodialysis unit. Second, the individual must have a firm commitment to teaching programs oriented to medical students, graduate students, house officers, and fellows. Finally, the individual should have a research background and be able to carry out independent research, preferably in the physiology of renal tubular transport processes. Apply to the **Division of Nephrology, University Station, Birmingham, Alabama 35294. Telephone: 205-934-3585.** *An Equal Opportunity/Affirmative Action Employer.* Expiration date for receipt of applications: 1 January 1977.

NEUROVIROLOGIST: The Department of Neurology, UCLA School of Medicine, has an opening for a clinical neurologist who has had research training in virology. Please send curriculum vitae to **Richard D. Walter, M.D., Chairman, Department of Neurology, Reed Neurological Research Center, Los Angeles, California 90024.** *The University of California is an Equal Opportunity/Affirmative Action Employer and encourages applications from qualified members of minority groups and women.*

NUCLEAR PHARMACIST. Position of professional nuclear pharmacist available 1 December 1976 in the Department of Bionucleonics. Applicant must be a registered pharmacist and have postgraduate education in nuclear pharmacy. Commitment of funding through 30 June 1978. Duties include nuclear pharmacy services and instruction. Send complete résumés to **Dr. Stanley M. Shaw, Department of Bionucleonics, Purdue University, West Lafayette, Indiana 47907,** prior to 1 December 1976. *Purdue University is an Equal Access/Equal Opportunity University.*

UNIVERSITY OF MICHIGAN ORTHOPAEDIC SURGEON

Orthopaedic surgeon for full-time academic position at Wayne County General Hospital, Eloise, Michigan. Active teaching program affiliated with the University of Michigan Medical Center. Excellent opportunity for individual interested in trauma. Appointment to academic faculty of University of Michigan depending upon qualifications and experience. Research encouraged. Salary negotiable. Send résumé to **Box 481, SCIENCE.** Code #500F0. *A non-discriminatory, Affirmative Action Employer.*

OTOLARYNGOLOGIST needed for community hospital serving area of 50,000 people. Hospital is 125-bed, JCAH accredited. Current active staff includes 12 general practitioners with specialists in pediatrics, ob-gyn, and internal medicine; three radiologists, five surgeons; one anesthesiologist; two ophthalmologists; and two orthopedists. Beautiful area of Oregon near hunting, fishing, skiing; 85 miles east of Portland on scenic Columbia River. **Gary J. Rood, Administrator, The Dalles General Hospital, 19th and Nevada, The Dalles, Oregon 97058.**



National Research Council Canada
Conseil national de recherches Canada

RESEARCH ASSOCIATESHIPS 1977

for research in science and engineering in the following laboratories of the National Research Council of Canada:

ATLANTIC REGIONAL LABORATORY
DIVISION OF BIOLOGICAL SCIENCES
DIVISION OF BUILDING RESEARCH
DIVISION OF CHEMISTRY
DIVISION OF ELECTRICAL ENGINEERING
HERZBERG INSTITUTE OF ASTROPHYSICS
DIVISION OF MECHANICAL ENGINEERING
NATIONAL AERONAUTICAL ESTABLISHMENT
DIVISION OF PHYSICS
PRAIRIE REGIONAL LABORATORY

Applicants should possess at least a Ph.D. in natural science or a master's degree in an engineering field or expect to obtain the degree before taking up the award.

While preference will be given to Canadians, the Associateships are open to nationals of other countries.

Research associates will be offered appointments to the staff of the National Research Council on a term basis and will be offered salaries and benefits currently available to members of the continuing staff.

The initial appointment will be for a 1-year term and may be renewed annually for a total period of up to 5 years.

An allowance will be provided toward the cost of travel.

Applications may be obtained from the **Research Associates Office, National Research Council of Canada, Ottawa, Canada, K1A 0R6.**

Closing date: 15 January 1977.

CSIRO DIVISION OF FOREST RESEARCH 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. Location: California.

Field: pests and pathogens of *Pinus radiata*.

General: the Division of Forest Research was established in 1975, based on the program and facilities of the Forest Research Institute. The headquarters of the Division are in Canberra and there are six field stations strategically located in relation to forest resources.

The Division is concerned with research on forests including resource assessment, protection, silviculture, and harvesting. Basic studies on taxonomy, genetics, physiology, and soils are in progress.

Emphasis is placed on integrating these investigations in the study of all products of forests.

Duties: the Division wishes to appoint a broadly based biologist to undertake an assignment in California to work on the pests and diseases of *Pinus radiata*. Australia is free from a number of pathogens and insect pests of this species. If any of them were to become established in Australia, details of their life systems would be urgently needed.

Location/tenure: arrangements have been made for a research scientist to be located at Berkeley for a period of at least 18 months including two summers.

Qualifications: applicants should possess a Ph.D. degree in a relevant discipline or equivalent qualifications supported by satisfactory evidence of research ability and experience.

Applications stating full personal and professional details, with the names of at least two referees and quoting reference number 1050/64, should reach:

**The Chief
CSIRO Division of Forest Research
P.O. Box 4008
Canberra, A.C.T. 2600
Australia**

by 5 November 1976.

POSITIONS OPEN

POSITIONS OPEN

POSITIONS OPEN

THE UNIVERSITY OF MANITOBA

Faculty of Medicine



invites applications and nominations for the position of

Professor and Head

DEPARTMENT OF ANATOMY

Candidates should have a substantial record of academic achievement in Anatomy and extensive experience in teaching and research. The Department is responsible for programs of education in Anatomy at the undergraduate and graduate level. The programs include instruction of students in medicine, dentistry, dental hygiene, medical rehabilitation, and other health disciplines. Applications and nominations should be accompanied by a curriculum vitae and submitted to:

Dr. Arnold Naimark
Dean and Chairman
Anatomy Search Committee
753 McDermot Avenue
Winnipeg, Manitoba, Canada
R3E 0W3

NUCLEAR PHARMACY THE UNIVERSITY OF MICHIGAN

Director of Nuclear Pharmacy, University Hospital, with professorial appointments in Department of Internal Medicine and College of Pharmacy.

Qualifications: Ph.D. or equivalent in nuclear pharmacy or related discipline; eligibility for pharmacy licensure in the State of Michigan; experience and demonstrated ability in providing nuclear pharmacy services; experience or potential as a teacher and scholar.

Interested persons should send a curriculum vitae and the names of three references to:

A. G. Paul, Dean
College of Pharmacy
The University of Michigan
Ann Arbor, Michigan 48109

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NUTRITIONAL ECONOMIST. Teaching-research position in Department of Nutrition. Salary and rank dependent on qualifications. Doctorate and international experience required. Send inquiries, curriculum vitae, and names of three references to: Dr. Joseph C. Edozien, Department of Nutrition, School of Public Health, University of North Carolina, Chapel Hill, N.C. 27514. *Equal Opportunity/Affirmative Action Employer.*

PHYSIOLOGICAL PHARMACOLOGIST

The Departments of Rehabilitation Medicine and Pharmacology at the College of Physicians and Surgeons of Columbia University seek an established investigator to develop a research program preferably related to the microcirculation. Other fields such as those concerning muscle function or temperature regulation will also be considered. A joint faculty appointment in both departments will be available at a rank commensurate with experience. The position will involve responsibility for teaching medical and graduate students. Experience in collaboration with physicians in the design and implementation of clinical investigation is desirable. Send applications, including a curriculum vitae and names of possible references, to: Dr. John A. Downey, Chairman, Department of Rehabilitation Medicine, Columbia-Presbyterian Medical Center, 630 West 168 Street, New York, N.Y. 10032. *An Equal Opportunity/Affirmative Action Employer.*

PHYSIOLOGY/ENDOCRINOLOGY ASSISTANT PROFESSOR. Teach undergraduate courses in physiology at cellular and organ/system level; help with team-taught introductory biology course. Develop graduate teaching and research program in endocrinology. Nine-month appointment effective 15 August. Apply by 1 January. Send curriculum vitae, three letters of evaluation, official transcripts, and reports to: Dr. Lewis Oring, Department of Biology, University of North Dakota, Grand Forks, N.D. 58202.

An Affirmative Action/Equal Opportunity Employer

PHYSIOLOGICAL PSYCHOLOGIST. A position as an assistant professor in the Department of Psychology at Arizona State University is available fall 1977 for a recent Ph.D. whose principal interests are in sensory processes from an electrophysiological perspective. Applicant must be prepared to teach courses in sensory and experimental psychology. Special consideration will be given to applicants who are familiar with microelectrode techniques and whose interests are in peripheral auditory processes. Opportunities exist for collaboration in a hearing-science grant program. Send curriculum vitae and three letters of reference to Dr. Peter Killeen, Department of Psychology, Arizona State University, Tempe, Arizona 85281. *The University is an Affirmative Action/Equal Opportunity Employer.* Applications must be completed by 3 December 1976.

The Department of Anatomy at the School of Medicine, University of California, Los Angeles, invites applications from qualified candidates for appointments as **POSTDOCTORAL FELLOWS** in the following areas: cell biology, neuroanatomy, neurophysiology, and neuroendocrinology. Support for these positions may be obtained by the candidate with the help of a faculty member by applying to government or private sources or by applying to faculty member(s) for positions on their research grants. Inquiries may be made to: Dr. Emery Zimmermann, Vice Chairman for Graduate Affairs, Department of Anatomy, University of California School of Medicine, Los Angeles, California 90024. *The University of California is an Equal Opportunity Employer.*

POSTDOCTORAL—IMMUNOLOGY. Available December. Salary \$11,000. Research on immunological functions of alveolar macrophages. Experience in cellular immunology, macrophages, or in vitro antibody formation. Send curriculum vitae and references to: Dr. H. B. Herscovitz, Department of Microbiology, Georgetown University, School of Medicine, Washington, D.C. 20007.

POSTDOCTORAL POSITION with stipend is available immediately in a laboratory investigating the molecular biology of gene expression in yeast. Experience with nucleic acids is necessary for undertaking an independent investigation. Send inquiry and appropriate résumé to Harlyn O. Halvorson, Rosenstiel Basic Medical Sciences Research Center, Brandeis University, Waltham, Massachusetts 02154. *Affirmative Action/Equal Opportunity Employer*

POSTDOCTORAL POSITION open for Ph.D. to join ongoing research on interaction of initiation factors with messenger RNA or regulation of histone synthesis in mammalian cells. Background in molecular and cell biology required. Salary depending on experience. Send résumé to: Dr. C. Baglioni, Department of Biological Sciences, State University of New York at Albany, Albany, New York 12222. *State University of New York at Albany is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION. Immediate opening for a candidate to participate in projects in chemistry and/or metabolism of lipoproteins. Research program utilizes techniques for protein separation and analysis and also isotope labeling. An individual having a Ph.D. in biochemistry or physiology is preferred. Send résumé and references to Dr. Howard A. Eder, Albert Einstein College of Medicine, Bronx, New York 10461. Telephone 212-430-2914.

POSTDOCTORAL POSITIONS IN BIOCHEMISTRY, RICE UNIVERSITY

The Department of Biochemistry, Rice University, announces the immediate availability of a postdoctoral position in crystallography. Previous experience in single crystal x-ray structure determination of proteins and biologically important small molecules is required. Postdoctoral opportunities in other laboratories may also become available in the near future.

Prospective candidates should submit résumés together with the names of three individuals familiar with their research to: Department of Biochemistry, Rice University, Houston, Texas 77001.

Rice University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately. Physical-biochemical studies on chromatin, histone-histone interactions, and so forth. NMR experience desirable. Send résumé and references to: Dr. G. Fasman, Department of Biochemistry, Brandeis University, Waltham, Mass. 02154. *Affirmative Action/Equal Opportunity Employer.*

POSTDOCTORAL POSITION available immediately in active research group studying mitochondrial biogenesis in yeast. Project involves protein purification, immunoprecipitation techniques, and messenger RNA isolation. Send résumé and references to: Dr. Diana S. Beattie, Department of Biochemistry, Mount Sinai School of Medicine, Fifth Avenue and 100 Street, New York, N.Y. 10029. *An Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH AND TRAINING IN TOXICOLOGY/CELL CULTURE. Available immediately for Ph.D. in life sciences. Research on the physiology and pharmacology of viable lung cells. Experience in cell culture techniques and membrane physiology preferred. Reply, with curriculum vitae and names of three references, to Dr. Daniel B. Menzel, Department of Physiology and Pharmacology, P.O. Box 3709, Duke University Medical Center, Durham, North Carolina 27710. *An Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL TRAINING IN TOXICOLOGY/NEUROPHARMACOLOGY. A vacancy exists in the training program at Duke University, to work in a project on toxic effects of drugs on neurons in the central nervous system. Applicants must have, or expect to receive before appointment, a doctorate in pharmacology or in physiology, and must have successfully completed a research project using either microelectrode technique in central nervous system of mammals, or advanced neuropharmacological methods. An interview can be arranged for serious candidates at the Neuroscience Meeting in Toronto (telephone Dr. G. Somjen at 919-684-2262). Applicants should send a curriculum vitae, record of graduate courses, GRE scores, and request that three letters of recommendation be sent to: Dr. D. B. Menzel, Director, Toxicology Training Program, Duke University Medical Center, P.O. Box 3709, Durham, North Carolina 27710. *An Equal Opportunity/Affirmative Action Employer.*

RESEARCH ASSISTANT PROFESSORSHIP—PHYSIOLOGY. Two positions at level of research assistant professor are currently available. Responsibilities include establishment of self-supporting research programs in areas of microvascular and neurosensory physiology, respectively. These positions are 1-year nonrenewal track positions. Reply to: M-45, P.O. Box 2045, Philadelphia, Pa. 19103. *An Affirmative Action Employer.*

RESEARCH ASSISTANT OR TECHNOLOGIST

We are seeking a career-oriented individual with 3 to 5 years of experience with primary cell culture and an M.S. in a biological discipline. Experience with radioisotope procedures and virology would be helpful. Work will involve the treatment of cells with carcinogenic agents, viruses, and chemicals. Salary negotiable. Position available immediately. Midwest. *Equal Opportunity Employer. Box 483, SCIENCE.*

POSTDOCTORAL FELLOWSHIP

New York Area

Postdoctoral opportunity available at a large cancer research center for someone with the following qualification:

ENZYMOLOGIST — with experience in general protein chemistry (isolation, purification and characterization). U. S. citizenship or permanent residence in the U. S. required.

Excellent salary and benefits program offered. Please send Curriculum Vitae and list of references in confidence to:

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PROJECT MANAGER REGULATORY AFFAIRS

Our regulatory affairs department has an opening for an experienced Project Manager to assume responsibility for all regulatory activities concerning our marketed proprietary drugs. This position requires a B.S./B.A. (M.S./PhD. preferred) and a minimum of 3 years experience, including industrial OTC regulatory experience. Duties to include review of submissions, liaison with our marketing department and FDA, monitoring of advertising and promotional materials and representation to professional associations. Reply with resume including salary history in confidence to:

Larry Kedzior

**G. D. Searle & Co.
P.O. Box 5110
Chicago, Ill. 60680**

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WESTERN AUSTRALIAN INSTITUTE OF TECHNOLOGY

SENIOR LECTURER IN NUTRITION AND FOOD SCIENCE DEPARTMENT OF MEDICAL TECHNOLOGY

A vacancy exists for a qualified dietician with responsibility for the educational leadership of the bachelor degree course in nutrition and food science, and the graduate course in dietetics, within the Department of Medical Technology.

Applicants should have relevant industrial and/or teaching experience. The possession of a higher degree would be an advantage.

Senior lecturer salary range: (at the current rate of exchange) U.S.\$22,410 to U.S.\$26,007. Salaries are payable in Australian dollars.

Conditions: for permanent staff conditions include fares for family, assistance with accommodation, removal expenses, superannuation (similar to FSSU), 6 weeks annual leave, and assisted study leave. For short-term staff superannuation, assisted study leave and long service leave conditions do not apply.

Applications: detailed applications, including a curriculum vitae and the names of three referees should be submitted not later than 30 November 1976 to the **Appointments Officer, Western Australian Institute of Technology, Hayman Road, South Bentley 6102, Western Australia**. A brochure containing detailed information may be obtained from the above address.

When applying please quote reference SM4.



CHEMIST

ENVIRONMENTAL CHEMIST

Immediate vacancy exists for senior-level, environmental chemist. Responsibilities include coordinating and conducting research with chlorinated hydrocarbons, petroleum hydrocarbons and heavy metals in water, sediments and biota. Must be competent in electron-capture and FID gas chromatography, IR spectroscopy and atomic absorption. BS in chemistry with 5 years experience, MS preferred. For consideration, please send resume, stating present salary to:

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Westinghouse — P.O. Box 1693
Baltimore, Maryland 21203

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POSITIONS OPEN

Wanted: **Ph.D. RESEARCH ASSOCIATE.** Background in physics and biophysics desirable. Project contemplated involves advanced spectrophotometric techniques at cellular and subcellular levels. Metropolitan N.Y. location. Salary commensurate with experience. *Affirmative Action/Equal Opportunity Employer.* Send replies to

Box 482, SCIENCE

RESEARCH ASSOCIATE

An opening for a research associate is immediately available to study invertebrate neurophysiology and behavior. Applicants should be recent Ph.D.'s with strong background in intracellular and extracellular recording techniques. Females and minority candidates are encouraged to apply. Send curriculum vitae and request three referees to send references directly to: **Dr. Ashton Gibbons, Director of Personnel, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Mass. 01545.**

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RESEARCH ASSOCIATES: Postdoctoral positions are available in the areas of cell surface and membrane biochemistry, enzymology, protein chemistry, analytical biochemistry, and lipid or vitamin chemistry. Interested candidates should send curriculum vitae and names of three references to:

Dr. Kermit L. Carraway
Department of Biochemistry
Oklahoma State University
Stillwater, Oklahoma 74074

RESEARCH ASSOCIATE

A postdoctoral position in the Department of Pathology, University of Chicago, is available immediately for at least 2 years. Applicants should have training in protein sequence determination. Send curriculum vitae to **Dr. Heinz Köhler, La Rabida-University of Chicago Institute, East 65 Street at Lake Michigan, Chicago, Ill. 60649.**

RESEARCH ASSOCIATE or SENIOR TECHNICIAN to study effects of organic toxicants on fish reproduction. Proficiency in GC and other analytical procedures for organics essential. Position to start immediately with a salary of \$9,000 to \$10,500, depending on qualifications. Send curriculum vitae and three letters of recommendation to **Wesley J. Birge, Professor of Biology, University of Kentucky, Lexington, Kentucky 40506.** Telephone 606-258-5800.

VICE PRESIDENT FOR HEALTH SCIENCES

The University of New Mexico seeks a vice president for health sciences. The health sciences include University/County Hospital, School of Medicine, College of Nursing, College of Pharmacy, Cancer Research and Treatment Center, Allied Health Sciences, and Mental Health-Mental Retardation Center. Desirable qualifications include: advanced degree with strong background in health sciences area; proven experience in administering health science interdisciplinary teaching, research, and patient-care programs; and high-level administrative and analytic ability. Skills in communications and interpersonal relationships and commitment to Affirmative Action and equal employment are essential.

The vice president for health sciences serves as the chief executive officer of the health sciences under the direction of the president of the University.

Applications and nominations should be directed to:

Chester C. Travelstead, Provost
Scholes Hall 226
The University of New Mexico
Albuquerque, New Mexico 87131

Deadline for receipt of applications: 15 January 1977. *The University of New Mexico is an Equal Opportunity/Affirmative Action Employer.*

WATER QUALITY PROFESSOR

The Department of Environmental Sciences at Wilkes College has an opening in the environmental quality area starting January 1977. The major responsibility is teaching and managing an undergraduate water quality laboratory. This is a full-time position at the assistant professor level. Ph.D. desirable. A broad physical and natural science background is desirable. Direct résumé and names of three references to **Dr. Bruce Berryman, Acting Chairman, Department of Environmental Sciences, Wilkes College, Wilkes-Barre, Pa. 18703.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

SENIOR ECOLOGIST

The Division of Biological Sciences, the University of Michigan, invites nominations and applications of ecologists qualified for an associate or full professorship with tenure. Candidates will be expected to be senior scientists with substantial research accomplishments, promise of continuing productivity, and competence in undergraduate and graduate instruction. Applicants should submit their curriculum vitae and a representative selection of publications and have letters sent from three or more referees to **D. W. Tinkle, Chairperson, Senior Ecologist Search Committee, Division of Biological Sciences, The University of Michigan, Ann Arbor, Michigan 48109.** Rank and salary will be commensurate with qualifications of successful candidate. Applications should be received by 31 December 1976. *The University of Michigan is an Equal Opportunity/Affirmative Action Employer.*

FELLOWSHIPS

RESEARCH FELLOWSHIP and TECHNICIANS desired for scientific research and educational institute. One to 2 years of postdoctoral experience in cell culture required for fellowship with experience in cell isolation and characterization desired. B.S. or M.S. required for technician positions with experience in cell culture or biology research. Research program on isolating and culturing epithelial cells from rat prostate. Please send résumé, references, and transcript of grades to **Personnel Office, W. Alton Jones Cell Science Center, Lake Placid, New York 12946.**

The Department of Pathology has a limited number of **PREDOCTORAL FELLOWSHIPS** available for the next academic year. Highly qualified applicants interested in working toward a Ph.D. in experimental pathology are encouraged to apply by 15 March 1977. Areas of departmental specialization include tumor biology, immunology, nutritional pathology, reticuloendothelial system functions, clinical chemistry, clinical microbiology, and virology. Apply to:

Graduate Program Coordinator
Department of Pathology
College of Medicine
University of Florida
Gainesville, Florida 32610

An Equal Opportunity Employer

Applications are invited for a 1-year **FELLOWSHIP** (renewable) in medical mycology with special emphasis in regulation of morphogenesis, membrane biology, host-parasite relationships, and extended training in laboratory medical mycology. Background of the applicant should include recent Ph.D. or M.D. degree with training in general mycology, microbiology, and/or biochemistry. Inquiries should be addressed to **G. S. Kobayashi, Department of Medicine, Box 8123, Washington University School of Medicine, St. Louis, Missouri 63110.**

An Equal Opportunity Employer

POSTDOCTORAL FELLOWSHIPS

The Milton S. Hershey Medical Center of the Pennsylvania State University invites applications for postdoctoral training in cellular biology of heart muscle. The Departments of Physiology, Anatomy, and Medicine offer a multidisciplinary training program in the pathophysiology, physiology, and biochemistry of cardiac disorders. Financial aid is available through a training grant from the National Heart, Lung, and Blood Institute. Applicants must be U.S. citizens or permanent immigrants.

Please send curriculum vitae and two letters of reference to **Dr. Howard E. Morgan, Department of Physiology, The Pennsylvania State University, Hershey, Pennsylvania 17033.**

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GRADUATE STUDY

GRADUATE ASSISTANTSHIPS at the Oregon Graduate Center for Ph.D. students in **chemistry and biochemical sciences, applied physics and electronic science, materials science, and environmental science.** Small institution offers close, informal working relationship between students and faculty. Wide variety of ongoing research programs with both governmental and industrial sponsorship. Minimum stipend: \$4500 plus tuition remission. Write: **Director of Education, Oregon Graduate Center, 19600 NW Walker Road, Beaverton, Oregon 97005.** *An Equal Opportunity/Affirmative Action Employer.*

TRAINEESHIPS

PRE- AND POSTDOCTORAL RESEARCH TRAINING IN MOLECULAR AND CELLULAR AGING—The University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences invites applications for traineeships supported by a training grant from the National Institute of Aging. Research is limited to aging research projects. Information and application forms are available from **Director, Aging Research Training Program, University of Tennessee-Oak Ridge Graduate School of Biomedical Sciences, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tenn. 37830.** *An Equal Opportunity Employer.*

PREDOCTORAL AND POSTDOCTORAL TRAINEESHIPS

Available in reproductive physiology and endocrinology, with specializations in biochemistry, neuroendocrinology, and physiology and opportunities to work with domestic and lab animals and humans. For further information write:

Program Coordinator
111 Animal Genetics
University of Illinois
Urbana, Illinois 61801

The University of Illinois is an Equal Opportunity Employer.

PROGRAM

THE CATALINA SEMESTER IN MARINE SCIENCE

There are still some vacancies in the University of Southern California's Spring Program for undergraduate students at the Catalina Island Marine Science Center. This program, entitled The Catalina Semester, offers undergraduate students an opportunity to enroll in any or all of the following four-unit upper-division courses. First session (7 February to 30 March) courses in marine pycnology and marine biology; second session (11 April to 1 June) courses in marine invertebrate zoology and biological oceanography. Enrollment for independent research units is also available. Registration is through **Dr. Richard C. Brusca, Coordinator, The Catalina Semester, Department of Biological Sciences, University of Southern California, Los Angeles, California 90007.**

PROFESSIONAL PROGRAM: DOCTOR OF OPTOMETRY (O.D.). Accelerated professional program of two calendar years specifically designed for the Ph.D. in physical, biological, behavioral, or applied sciences. An opportunity for an independent professional career; program starts July 1977. **Division of Special Studies, The New England College of Optometry, 424 Beacon Street, Boston, Mass. 02115.** Telephone: 617-261-3430, ext. 46.

GRADUATE STUDIES: Northwestern University Department of Pharmacology offers Ph.D. programs in molecular, physiological, morphological, and clinical aspects of pharmacology. Faculty interests include molecular pharmacology; pharmacokinetics, metabolism, and biochemical and electrophysiologic mechanisms of action of cardioactive agents; structural and physiologic bases of neurotransmission; relationships between contractile and metabolic events in smooth muscle; environmental toxicology; and pharmacology of bone. Instrumentation and specialized techniques include EM, FT-NMR, GC-MS, HPLC, intracellular microelectrode recording, and tissue culture. Stipends begin at \$3600. Supported by NIH training grant. For further information contact **Dr. George T. Okita, Department of Pharmacology, Northwestern University Medical School, Chicago, Illinois 60611.**

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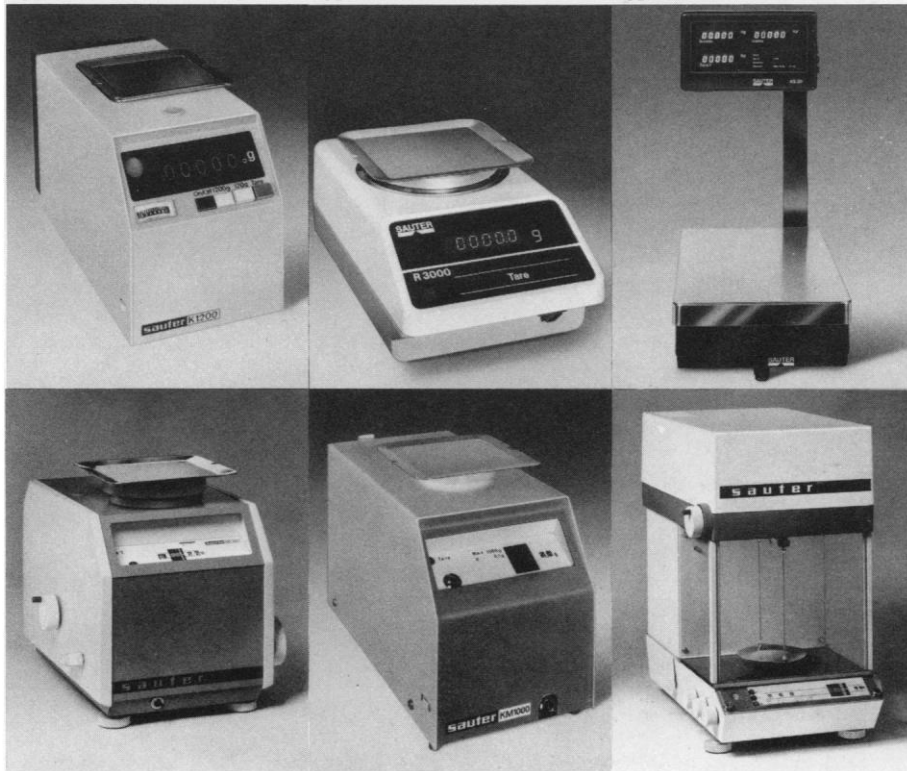
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- **To your colleagues** ... because your professional organization is designed to help meet their needs.

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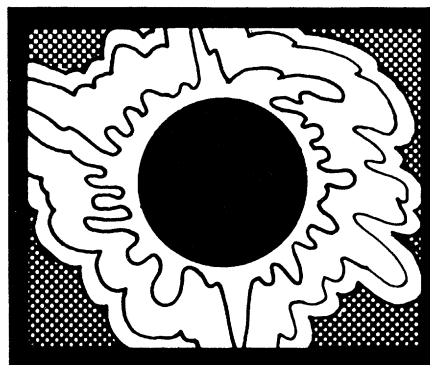
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