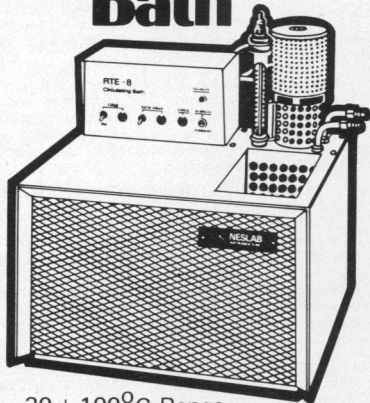


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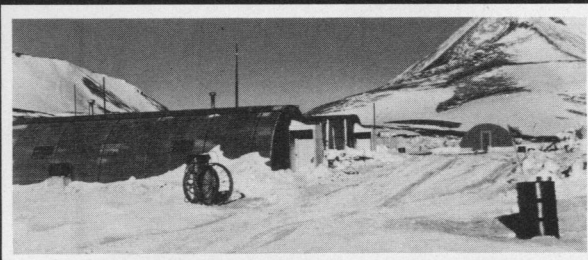
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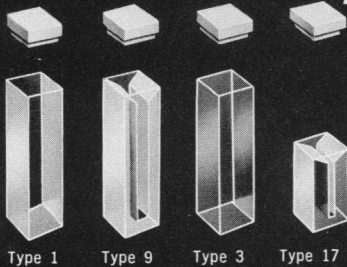
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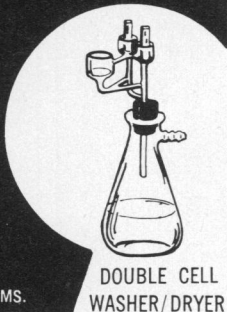
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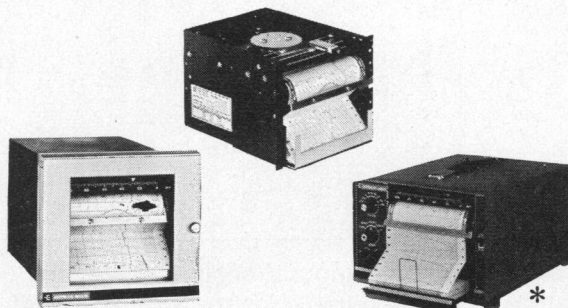
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Only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin should submit Personnel Placement advertising.

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies and companies take display rate for all advertising.

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BLIND AD replies should be addressed as follows:

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POSITIONS WANTED

Biologist, Ph.D., specialized in developmental biology, 16 years of teaching experience, desires position in area of developmental biology and related cell and anatomical sciences and opportunity for research. Box 566, **SCIENCE**. 1/17

Developmental Biology/Genetics, Ph.D. 1970 (Montana State University). Postdoctoral research, 4 years of teaching, also clinical lab and industry. Seeks teaching/research position in Pacific Northwest/Mountain West or western Canada. Box 559, **SCIENCE** 1/31

Wanted: undergraduate-oriented biology department where broadly trained **Geneticist** (Ph.D. 1965) can contribute to innovative program. Experience in curriculum development; A.T., modular, and interdisciplinary teaching. Postdoctoral (human genetics). Sixteen years of professional experience (11 full-time university). Available September. Box 21, **SCIENCE**. 1/17; 2/7

Immunochemist: Ph.D. 1958, radioimmunoassay, immunodiagnostic product development. Desires academic, clinical, or industrial R & D position. Box 22, **SCIENCE**. X

Mammalian Physiologist/Pharmacologist, Ph.D., 1968. Experience in intestinal control of gastric secretion, motility, food intake. Characteristics of intestinal receptors for fat and protein. Seeks research position with teaching or industry. Box 23, **SCIENCE**. X

Molecular Evolution/Protein Synthesis, Ph.D. Two years of postdoctoral research. Publications. Research interests: molecular mechanism of protein synthesis, evolutionary origin of translation and genetic code, prokaryotic phylogeny, and theoretical biology. Desire research and/or academic position. Box 25, **SCIENCE**. X

Physiologist-Toxicologist, Ph.D. 1969. Postdoctoral and independent research. Pharmacodynamics of pesticides, environmental agents using perfused organs. Desire government, industry, or academic position. Box 15, **SCIENCE**. 1/17

Physiologist, Ph.D. Experienced teacher of mammalian, comparative physiology. Research training and experience in neuro- and sensory physiology; seeking academic position. Box 16, **SCIENCE**. 1/17

POSITIONS WANTED

Minicomputer Specialist. Three years research experience with PDP-8, -11, and -12 software and hardware. Large-system experience on IBM and CDC machines. M.A. plus in psychology, neurophysiology. Background in math and physics. Seeks position in biomedical programming, systems analysis, or teaching minicomputer applications. Prefer western U.S. Box 24, SCIENCE. X

Physiologist. Ph.D. 1958. Seeks senior faculty position or chairmanship in central east or north-east. Reproduction, endocrinology, zoology, histology and development. More than 100 publications. Distinguished background in teaching and research. Box 26, SCIENCE. X

Psychopharmacologist. Ph.D. 1969. Broad background in neurochemistry of behavior. Grants, over 40 publications. Desires challenging position in industry or university. Box 27, SCIENCE. 1/17, 24

POSITIONS OPEN

Applications are invited from qualified individuals in the area of **analytical environmental chemistry** with a strong background in organic chemistry for a position of **Assistant Professor** in the Department of Environmental and Industrial Health, School of Public Health, The University of Michigan. Potential candidate will be expected to show promise in developing and effectively teaching graduate level courses in Environmental Chemistry and participate in a vigorous research program in environmental measurement. Teaching and research activities should be directed towards the protection of man's health and the quality of his environment. Interested applicants should have the Ph.D. degree and preferably post-doctoral experience. Send résumé, a short statement of teaching and research interest, and names of three references to **Dr. K. H. Mancy, 2530 SPH I, The University of Michigan, Ann Arbor, Michigan 48104.**

ANATOMISTS

Two gross anatomists with Ph.D. or M.D. (one to teach physical therapy students) with rank of Instructor or Assistant Professor. Choice of research area optional but research strongly encouraged. Send curriculum vitae and letters of reference to: **Chairman, Department of Anatomy, University of Kansas Medical Center, Kansas City, Kan. 66103. An Equal Opportunity/Affirmative Action Employer.**

ANIMAL BEHAVIOR: DEVELOPMENTAL BIOLOGY

It is anticipated that faculty appointments in Animal Behavior and Developmental Biology will be made for fall 1975. Rank and salary open. Send résumé, publications, and references to **Dr. Charles L. Ralph, Chairman, Department of Zoology and Entomology, Colorado State University, Fort Collins, Colorado 80523. CSU is an equal opportunity employer.**

ASSISTANT PROFESSOR in Plant Physiology, Department of Plant Sciences, University of California, Riverside. Eleven month appointment. Primarily research, with some teaching. Emphasis on basic and mission oriented research in the area of seed physiology, development, and germination. Willingness to develop upper division courses in plant physiology, including crop plants, and to direct graduate students. Ph.D. in plant physiology or related fields is required. Applicant should send biographical information, transcripts, at least 3 letters of recommendation, and other pertinent information to **Dr. W. W. Jones, Chairman of Search Committee, Department of Plant Sciences, University of California, Riverside, Calif. 92502. An equal employment/affirmative action employer.**

UNIVERSITY OF NORTH CAROLINA at CHAPEL HILL

ASSISTANT PROFESSOR. The Department of Botany has an opening for a botanist with special training in bryophytes, pteridophytes and/or paleobotany to accept a major teaching role in the Department's undergraduate core curriculum, with the opportunity to develop a graduate course in the field of specialty. Curriculum vitae, including a list of publications and the names of three references, should be sent to **Dr. Lindsay S. Olive, Chairman of Search Committee, University of North Carolina, Chapel Hill, N.C. 27514.**

The University of North Carolina at Chapel Hill is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minority groups.

17 JANUARY 1975

POSITIONS OPEN

ASSISTANT DIRECTOR

Assistant Director, Agricultural Research Center, Washington State University, to help manage a large state-wide program of agricultural research. Ph.D. and four years of research experience required. Deadline for application is 3 February 1975. For additional information write to **James Nielson, ARC, WSU, Pullman, Wash. 99163. WSU is an Equal Opportunity/Affirmative Action Employer.**

HALF-TIME ASSISTANT PROFESSOR

Fall, 1975 opening for a half-time assistant professor in any area of Zoology. Ph.D. required. Duties include teaching at both the undergraduate and graduate levels at half the normal load and establishment of an active research program. Applicants should submit curriculum vitae, most important reprints, and arrange for 3 letters of reference to be sent to **Professor Donald S. Farner, Chairman, Department of Zoology, University of Washington, Seattle, Washington 98195.**

The University of Washington is an affirmative action and equal opportunity employer.

The Department of Veterinary Physiology and Pharmacology invites applications for a position at the **Assistant Professor** level in the field of nuclear medicine and/or radiobiology effective August 1975, or sooner. Applicants should have Ph.D.; D.V.M. or other professional degree is desirable but not required. Individuals should have training in nuclear and/or radiation science as well as in physiology. Duties include about a 70 percent time allocation to clinical and basic research involving radioisotope usage and detection and the remaining allocation involving professional and graduate teaching. Related research in this department includes mineral metabolism, metabolic disease, and various bioengineering projects. The selected individual may work in these areas or may establish his or her own research effort within the realm of nuclear medicine and/or radiobiology. Salary is based on qualifications with a minimal 11-month stipend of \$16,000. *The University of Illinois is an Equal Opportunity/Affirmative Action Employer* and encourages applications from qualified women and minorities. Send curriculum vitae and names of three references to **Dr. A. R. Twardock, Acting Head, College of Veterinary Medicine, University of Illinois, Urbana, Illinois 61801. Telephone 217-333-1192. Applications should be received by 15 February 1975.**

ASSISTANT PROFESSOR OF ANATOMY

An anatomist Ph.D. and/or M.D. with predoctoral experience in an anatomical sciences training program and 2-3 years of postdoctoral experience. Must be interested in independent and/or collaborative research. Teaching duties mainly in gross anatomy in integrated programs. Salary will depend on qualifications. Apply to **Dr. G. Gordon Robertson, Department of Anatomy, University of Tennessee Center for the Health Sciences, 875 Monroe Ave., Memphis, Tennessee 38163.**

Equal Opportunity/Affirmative Action Employer

ASSISTANT PROFESSOR—BIOCHEMISTRY

Full-time faculty positions are available for candidates committed to pursue fundamental research programs in membrane biochemistry or eukaryotic molecular biology. Participation is expected in biochemistry courses for medical students, graduate students and undergraduates. Applications close 1 February 1975. Send résumé and three letters of reference to: **Chairman, Department of Biochemistry, College of Medicine, University of Kentucky, Lexington, Ky. 40506. The University of Kentucky is an Equal Opportunity/Affirmative Action Employer.**

ASTROPHYSICS POSITION AT NEW YORK UNIVERSITY

The Physics Department of New York University in the Fall of 1975 expects to have a faculty position for an astrophysicist. Although the position would normally be at the assistant professor level, a more senior appointment may be possible for a highly qualified individual. A theoretical astrophysicist would probably be appointed, but observers with suitable programs should also feel free to apply. Candidates must be able to conduct research of significance and to contribute strongly in the department's undergraduate teaching program. Applications should be submitted to **Professor E. L. Scuckling, Chairman of the Search Committee, 4 Washington Place, New York, N.Y. 10003. NYC is an equal opportunity, affirmative action employer.**

POSITIONS OPEN

ASSISTANT PROFESSOR OF BIOLOGY

with specialties in microbiology and biochemistry. Ph.D. is required. The position is not expected to lead to tenure. Appointment will be effective September 1975 and will probably not be made before 1 March 1975. Send curriculum vitae and three letters of reference to: **Frederic A. Giere, Department of Biology, Lake Forest College, Lake Forest, Illinois 60045. Lake Forest College is an equal opportunity employer and applications from minority groups and women are encouraged.**

ASSISTANT PROFESSOR OF NEUROSCIENCE

Applications are invited for two faculty positions available September 1975. Department intends to establish a research program in systems neuroscience: the applications of information processing and artificial intelligence concepts to brain studies. The primary requirement is promise of excellence in research and teaching in this discipline. Applicant will be expected to have Ph.D. degree in computer science, psychology or neurophysiology with experience in both neuronal modeling and computer science. Preference will be given to those applicants having an interest and experience in models of parallel processing in the brain, especially as applied to the visual system. Curriculum vitae, copies of published research, and names of three references may be sent to:

**Dr. Bruce H. McCormick, Head
Department of Information Engineering
University of Illinois at Chicago Circle
Box 4348, Chicago, Ill. 60680**

The University of Illinois is an affirmative action/equal opportunity employer and encourages applications from members of minority groups and women.

ASSISTANT PROFESSOR OF PHARMACOLOGY

Ph.D. with at least 2 years of postdoctoral experience. Participate in teaching dental, medical and graduate students. Must have research experience in cardiovascular-renal area. Applicants should submit a curriculum vitae (including publication list), a summary of teaching and postdoctoral experience and the names of three references. This information should be sent to: **Arthur H. Briggs, Chairman, Department of Pharmacology, The University of Texas Health Science Center, 7703 Floyd Curl Drive, San Antonio, Texas 78284. An equal opportunity/affirmative action employer.**

ASSISTANT PROFESSOR PHYSIOLOGY. Salary negotiable. M.D. and/or Ph.D. Strong research interests or interest and teaching ability essential. Apply with curriculum vitae and names of three referees by 28 February.

Applications to: **Dr. M. Schachter
Professor and Chairman
Department of Physiology
University of Alberta
Edmonton, Alberta, Canada**

YALE UNIVERSITY

Applications are invited from qualified persons (Ph.D. with research experience) for a faculty appointment at the **assistant professor** level in the field of **theoretical fluid mechanics** in the Department of Engineering and Applied Science or in the Department of Geology and Geophysics. Send résumé and references to **E. T. Onat, Section Center, Yale University, New Haven, Conn. 06520. An Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSORS OF ZOOLOGY

The Department of Zoology, College of Biological Sciences, The Ohio State University has two vacancies for Ph.D. Zoologists at the Assistant Professor level; salary \$12,500-\$14,000.

- (1) Teaching in introductory biology, with a strong and primary interest in undergraduate education; individualized teaching program. This position involves a long-term commitment to coordinating and academically guiding large courses in beginning biology. Teaching experience in beginning zoology or biology is essential.
- (2) Teaching position in beginning biology with academic and research experience in Aquatic Ecology. Initial duties will involve coordinating large courses in introductory biology with subsequent development of teaching and research in aquatic ecology.

Nine-month appointments to begin 1 October 1975.

Please send vita and three letters of recommendation to **Dr. Tony J. Peterle, Chairman, Department of Zoology, College of Biological Sciences, The Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210.**

An Affirmative Action Employer

SUNY AT BUFFALO

The Division of Cell and Molecular Biology, State University of New York at Buffalo, is anticipating the appointment of two faculty members by September 1975. The rank is open. Individuals with strong records of research productivity or potential are sought, who can also make important contributions to the teaching program at the undergraduate and graduate level. The areas we are seeking to strengthen are the following:

1) Nucleic acid and protein chemistry. The individual appointed will be expected to engage in teaching in the field of nucleic acid and protein chemistry, with an emphasis on physical chemical aspects of macromolecular structure and interactions, and to carry on a research program in this area.

2) Molecular and cell biology, preferably in plant area. This person will be expected to engage in teaching in areas of cell and molecular biology which involve processes characteristic of plants, such as photosynthesis, nitrogen fixation, chloroplast structure and function, etc., and to carry on a research program in some aspects of this field. Applicants should send curriculum vitae and names of at least three references to:

Dr. O. P. Bahl, Director
Division of Cell and Molecular Biology
State University of New York at Buffalo
Buffalo, New York 14214

In addition, applications should include a concise description of research background, current interests and areas in which contributions to the teaching program could be made.

The State University of New York is committed to an Affirmative Action program of minority and female faculty recruitment.

Group Leader IN VIVO RADIOPHARMACEUTICALS PRODUCT DEVELOPMENT

Technical leader of a group who develop in vivo radiopharmaceuticals from bench to production.

Must have Ph.D. in Pharmacy; experience in injectable products development including formulation, containers, closures and stabilization. Diagnostic radiopharmaceutical experience helpful but not required.

Location is at our headquarters in Rural-Suburban Lake County, Illinois . . . 40 miles North of Chicago. Please send your résumé, with salary history, in confidence, to:

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POSITIONS OPEN

ASSISTANT PROFESSORS, ZOOLOGY. Vertebrate Population Biologist familiar with quantitative analysis; specializing in population dynamics, reproduction, ecological genetics, or behavior. Ecologist specializing in aquatic populations or ecosystems. Three year probationary appointments starting July or September 1975. Salary \$13,025+. Proven research ability, familiarity with modern teaching methods. Send curriculum vitae (telephone number) and three letters of reference by 1 February 1975 to: **Dr. M. Locke, Chairman, Department of Zoology, University of Western Ontario, London, Canada, N6A 3K7.**

BIOCHEMIST SAN DIEGO STATE UNIVERSITY

Faculty position available September 1975. The prime prerequisite is the potential for developing an independent and creative research program, but preference will be given to applicants with a record of achievement in the area of molecular neurobiology, molecular immunology, or regulation of gene expression. Experience with cell-culture techniques is desirable. Postdoctoral experience is required. It is intended that the position be filled at the Assistant Professor level, but a higher rank may be offered to an established investigator. Applications should include a prospective research program and a curriculum vitae. Send applications by 15 February 1975 to:

Dr. Earl P. Wadsworth, Chairman
Department of Chemistry
San Diego State University
San Diego, California 92182

San Diego State University is an Affirmative Action/Equal Opportunity Employer. We encourage applications from all qualified persons, this includes women and persons with minority backgrounds.

DEPARTMENT OF BIOLOGY, HARVARD UNIVERSITY. This Department expects to make several tenure appointments at the **ASSISTANT or ASSOCIATE PROFESSOR** level for the forthcoming year. Fields of interest include genetics, ecology, developmental biology, and plant physiology and biochemistry. However, applications from outstanding candidates in related areas will be welcome. Preference will be given to candidates with teaching experience, records of research accomplishments, and postdoctoral training.

The University is an equal opportunity employer; women and members of minority groups are specifically encouraged to apply. Please have two professional persons who are well acquainted with your work write directly to us concerning you and send your résumé, together with copies of your most significant publications, to **Chairman, Search Committee, Department of Biology, 16 Divinity Avenue, Cambridge, Mass. 02138,** prior to 15 February 1975.

The Department of Biology at Wayne State University is seeking candidates for faculty positions in the following areas:

- 1) **Membrane Biology**
- 2) **Cell Biology/Cell Hybridization**

Rank and salary are dependent upon qualifications. Interested applicants should submit a curriculum vitae including areas of research interest and three referees to: **Dr. John D. Taylor, Chairman, Department of Biology, Wayne State University, Detroit, Michigan 48202.**

An equal opportunity employer

BIOLOGIST, Ph.D.

With well-developed interests in neurobiology and animal behavior for a position as assistant professor starting 1 September 1975. Send curriculum vitae and three letters of recommendation to **Dr. Miriam F. Bennett, Department of Biology, Colby College, Waterville, Maine 04901.**

An Equal Opportunity/Affirmative Action Employer

Chairperson: Department of Zoology
College of Science
Oregon State University
Corvallis, Oregon 97331

Responsibility for the over-all quality of the educational and research program of the department in the discipline of zoology. Applicants should possess a doctorate and qualification for appointment at the rank of professor. University-level teaching experience and a record of scholarly achievement are essential. Evidence of or potential for administrative ability and leadership is required. Write **Dr. Frank P. Conte, Chairman, Search Committee, Department of Zoology, Oregon State University, Corvallis, Oregon 97331.** OSU is an Affirmative Action Employer.

POSITIONS OPEN

UNIVERSITY OF CALIFORNIA SANTA BARBARA DEPARTMENT OF BIOLOGICAL SCIENCES

Faculty positions. Applications are sought from experimental **MARINE BIOLOGISTS** oriented, respectively, toward **zooplankton biology**, the **biology of benthic organisms**, **microbiology**, and one of the following specialties: **mariculture**, **environmental biochemistry**, and the **population dynamics** of commercially valuable species. Four appointments are planned, to be made 1 July 1975 or later. Rank and salary depend on qualifications and experience. Appointees are expected to establish vigorous research programs, augmenting and expanding the marine/aquatic interests of a large and broadly based department of biological sciences, well provided with special facilities for marine/aquatic research. Teaching is required at the undergraduate level in general biology or some field of biology compatible with the interests of the appointee, and at the graduate level in the appointee's area of specialized competence.

Applications with curriculum vitae, list of publications, names of references, summary of research interests, should be sent to: **Chairman, Department of Biological Sciences, University of California, Santa Barbara, California 93106.** Letters of reference should not be sent until requested. Applications from women and members of minority groups are encouraged. *The University of California is an Affirmative Action Employer.*

BIOSTATISTICIAN

(Health)

Ph.D.-level Biostatistician with interest in applications and applied research. Duties include consultation with dental investigators on designs of clinical trials, laboratory experiments, and epidemiologic investigations, analysis of resultant data, and investigation of new methodologies for analysis of resultant data unique to the dental field. Knowledge of computer programming helpful. Salary: GS-13 or approximately \$21,500.

Curriculum vitae to **Rickley Senning, Biometry Section, National Caries Program, National Institute of Dental Research, National Institutes of Health, 5333 Westbard Ave., Room 546, Bethesda, Maryland 20016.**

An Equal Opportunity Employer

BOTANY AND GENETICS UNIVERSITY OF GUELPH

Assistant Professors or as qualifications merit.

GENETICS—Ph.D. with research interests in mouse, human, somatic cell or immunogenetics.

BOTANY—Ph.D. with research background in plant taxonomy—evolution, with interest in native flora.

BOTANY-AUTECOLOGY—Ph.D. preference will be given to candidates with demonstrated teaching ability in introductory undergraduate courses in ecology. Competence and research interests in autecology, terrestrial and aquatic.

CELL (MOLECULAR) BIOLOGIST—Ph.D. with research in some aspect of cell or molecular biology. Undergraduate teaching with opportunity for contributing to senior and graduate programs in specialty.

Salaries commensurate with experience. Submit curriculum vitae and names of three referees to **Dr. W. G. Barker, Chairman, Department of Botany and Genetics, University of Guelph, Guelph, Ontario, Canada, N1G 2W1.** Effective date of appointments as soon as available. Closing date for receipt of applications 15 March 1975.

CHAIRPERSON, BIOLOGY

Appointee will head a well-equipped department including 20 faculty members of diverse interests offering a broad undergraduate program and the Master's degree. Applicants should have earned doctorate, experience in teaching and administration, and be active in research. Salary up to \$22,000. Rank, Professor. Position available September 1975.

Send curriculum vitae and three references by 1 February 1975 to:

Dr. Wendall E. Allen
Chairman, Search Committee
Department of Biology
East Carolina University
Greenville, N.C. 27834

East Carolina University is an Equal Opportunity/Affirmative Action Employer.

POSITIONS OPEN

CANCER RESEARCH

Immediate opening for **oncology investigator** with in vivo and in vitro. Tumor antigen and immunity experience preferably with background in tissue culture and immunology, as well as development and/or use of animal models.

Please send résumé detailing education, experience, and salary requirements in confidence to **Martin N. Schuler, Manager, Staff Development, Midwest Research Institute, 425 Volker Boulevard, Kansas City, Missouri 64110.**

An Equal Opportunity Employer

CHAIRMAN DEPARTMENT OF PSYCHOLOGY

Associate or full professor, September 1975. Must possess doctorate (preferably Ph.D.). Prefer training in Social/Industrial and/or broad-based psychology. Must demonstrate successful teaching experience and administrative potential. Research skills highly desirable. Thirteen-member department, new psychology building currently under construction. Deadline for applications: 1 April 1975. Apply to **Ms. June Hearn, Chairperson—Search and Screen Committee, Department of Psychology, Southern Colorado State College, Pueblo, Colorado 81001.**

Five-year research-rank position in **cosmic-ray physics**. The physicist will work in a highly versatile study of high-energy astrophysics in an experiment observing the air scintillation of extensive air showers up to 10^{11} eV. Candidates should be capable of mature design of an experiment involving optics, mechanical structures, particle detection techniques, photon counting, state-of-the-art electronics, and the development of a sophisticated data-handling system using a PDP 11/45. Applications should be sent to **Peter Gibbs, Chairman, Department of Physics, University of Utah, Salt Lake City, Utah 84112. Telephone (801) 581-7468.**

An Equal Opportunity Employer

DIRECTOR CENTER FOR MARINE RESOURCES

The Director administers the sea grant college program and other related marine resources education, research, and advisory services programs. The Director coordinates all University programs dealing with marine resources and is responsible for formulating and recommending University policy on marine resource programs. Further responsibilities are for stimulating faculty participation in marine resources programs and for assisting in funding of projects. The Director reports to the Vice President for Academic Affairs.

Applicant should have national reputation and visibility in the marine field; should be able to qualify for an academic appointment in some teaching department. Administrative experience desirable. Salary open to negotiation.

Reply to **Vice President for Academic Affairs, Texas A&M University, College Station, Texas 77843.**

Texas A&M University is an equal opportunity/affirmative action employer.

DIRECTOR ATMOSPHERIC SCIENCES RESEARCH CENTER STATE UNIVERSITY OF NEW YORK AT ALBANY

Senior scientist with administrative experience and national reputation in atmospheric research. Reply to:

**Dr. Vincent Cowling
State University of New York at Albany
1400 Washington Avenue
Albany, New York 12222**

State University of New York is an Equal Opportunity Employer.

FISH BIOLOGIST: The Hawaii Institute of Marine Biology (HIMB) and Department of Zoology of the University of Hawaii will have a full-time position to be filled in September 1975. Applicant will have a half-time research appointment and locus of tenure at HIMB and a half-time faculty appointment in Zoology. Expected duties are to develop a research program in fish biology and teach Introductory Ichthyology with additional instructional contribution to the Fisheries Curriculum in the Department of Zoology. Desired specialties of interest include but are not restricted to nutritional or sensory physiology. Postdoctoral experience preferred. Send curriculum vitae and three letters of reference by 1 March 1975 to: **Search Committee, Hawaii Institute of Marine Biology, P.O. Box 1346, Kaneohe, Hawaii 96744. The University of Hawaii is an equal opportunity employer.**

17 JANUARY 1975

POSITIONS OPEN

The Johns Hopkins University **ENVIRONMENTAL ENGINEERING FACULTY** appointment: teaching and research involving chemical, biochemical, and biological processes related to treatment of municipal and industrial wastes, industrial processes, and assessment of environmental impact. Assistant professor; may consider higher rank depending upon qualifications. *Johns Hopkins is an equal opportunity employer.* Send résumé to: **Dr. M. Gordon Wolman, Chairman, Department of Geography and Environmental Engineering, The Johns Hopkins University, Baltimore, Maryland 21218. Telephone: 301-366-3300, extension 318.**

The University of California at Santa Cruz invites applications for a **joint faculty appointment** in the Board of Studies in Chemistry and Oakes College. The successful candidate's duties will include teaching both graduate and undergraduate chemistry courses as well as participation in college teaching programs. We are interested in candidates whose research interests are either in the application of chemistry to complex systems or in physical chemistry. The level of appointment is open. Candidates should submit an extended vitae detailing past and future research and teaching interests as well as the names of at least three referees. Deadline for applications is 15 February 1975. Write: **Thomas Schleich, Chairman, Board of Studies in Chemistry, Division of Natural Sciences, University of California, Santa Cruz, California 95064. The University of California is an Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION

The Department of Radiology of the Medical College of Ohio at Toledo invites applications and nominations for faculty positions in radiology. Specialists in diagnostic or general radiology who are Board certified or qualified, and who are interested in and qualified for teaching positions will be considered. Rank and salary dependent on qualifications. Several different areas of practice, teaching, and research interests are open. Send letter of inquiry and curriculum vitae to: **Atis K. Freimanis, M.D., Professor and Chairman, Department of Radiology, P.O. Box 6190, Medical College of Ohio at Toledo, Toledo, Ohio 43614. An equal opportunity/affirmative action employer.**

FACULTY POSITIONS—ANATOMY

Faculty positions (rank open) available 1 July 1975, or sooner, for individuals interested in teaching and research in the broad field of Anatomy, from gross to submicroscopic. Submit curriculum vitae, bibliography, names of suggested references, and description of career goals to: **Dr. Sam L. Clark, Jr., Chairman, Department of Anatomy, University of Massachusetts Medical School, 55 Lake Avenue, North, Worcester, Massachusetts 01605. An Equal Opportunity/Affirmative Action Employer, M/F.**

FACULTY POSITION

The University of California, Irvine, Department of Biological Chemistry in the College of Medicine invites applications for a faculty appointment as an Assistant Professor. Applicants will also be considered for appointment at the Associate Professor level. Teaching responsibilities involve instructing medical students and graduate students in selected areas of biochemistry. Research experience and interest in molecular biology, control mechanisms, and/or enzymology is preferred. Faculty members are expected to develop a strong, independent, research program. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Send curriculum vitae and two letters of reference to:

**Dr. Kivie Moldave
Department of Biological Chemistry
College of Medicine
University of California, Irvine
Irvine, Calif. 92664**

FACULTY OPENINGS DARTMOUTH COLLEGE HANOVER, NEW HAMPSHIRE

Assistant Professors: (a) **AQUATIC ECOLOGY** and (b) **GENETICS** (broadly trained with an interest or emphasis on population). Requirements: productive postdoctoral research experience and demonstrated ability in teaching. Send curriculum vitae, bibliography, reprints, and three letters of evaluation to: **Dr. John J. Gilbert, Department of Biological Sciences, Dartmouth College, Hanover, New Hampshire 03755. Dartmouth College is an Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

HEAD, DIVISION OF UROLOGY IN THE DEPARTMENT OF SURGERY University of California, San Diego

Qualifications include: (i) substantial experience and a high level of skill in clinical urology and patient care; (ii) substantial experience and a high level of skill in teaching medical students, interns, and residents; (iii) experience and a high level of accomplishment in scientific research; (iv) experience and ability in administration within an academic setting.

Send curriculum vitae, bibliography, and three letters of reference along with first inquiry to:

**Marshall J. Orloff, M.D.
Chairman, Department of Surgery
University Hospital
225 W. Dickinson Street
San Diego, California 92103**

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Position available for recent Ph.D. **IMMUNOLOGIST/MICROBIOLOGIST** to work as associate director of surgical immunology laboratory with appointments as assistant professor of research surgery and microbiology. Emphasis of the laboratory is applied research in the field of surgical infections. A working knowledge of research techniques in complement is required. Interested applicants should send curriculum vitae to **Dr. J. Wesley Alexander, Department of Surgery, University of Cincinnati Medical Center, Cincinnati, Ohio 45267, or call (513) 872-4156.**

UNIVERSITY OF PITTSBURGH Faculty Position Available

MICROBIOLOGIST: Applicants must show demonstrable research accomplishments in bacterial or fungal pathogens; have completed a period of postdoctoral study; and be prepared to initiate independent research programs and participate in teaching medical and Ph.D. students. Assistant professor rank; salary negotiable. Send résumé, bibliography, and names of three persons who can provide references to: **Dr. J. S. Youngner, Department of Microbiology, School of Medicine, University of Pittsburgh, Pittsburgh, Pa. 15261.**

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MICROBIOLOGIST

Applications are invited for the position of Assistant Professor of Biology. Duties include teaching undergraduate courses in microbiology and bacteriology. Ph.D. required. Applicants should be capable of directing Pre-Medical Technology program. Salary commensurate with experience and qualifications. Send curriculum vitae, transcripts, and three letters of reference to **Dr. G. K. Hulett, Chairman, Department of Biological Sciences, Fort Hays Kansas State College, Hays, Kansas 67601.**

Equal Opportunity/Affirmative Action Employer

MOLECULAR GENETICIST

Assistant Professor sought for appointment beginning in September 1975 to teach undergraduate genetics and develop independent research. Preference given to candidates who can also teach physiology. Send résumé, transcripts, and three letters of reference to:

**(Rev.) John W. Flavin, S.J.
Chairman, Department of Biology
College of the Holy Cross
Worcester, Massachusetts 01610**

Ph.D. MOLECULAR VIROLOGIST

Assistant Professor of Epidemiology and Public Health. Prefer research interest in Biochemistry of Herpesvirus structure and replication. *Affirmative action for women and minority applicants.* Send application to:

**Dr. Robert McCollum, Chairman
Department of Epidemiology and Public Health
Yale University School of Medicine
60 College Street
New Haven, Connecticut 06510**

MUSEUM CURATORS

Two openings: Vertebrate Paleontology and Anthropology. Preferred specialties: mammalian/stratigraphic and museology/paleo-Indian. Ph.D. and experience required. Rank open. Send curriculum vitae and names of three references to: **Dr. James H. Gunnerson, Director, University of Nebraska State Museum, Lincoln, Nebraska 68508.**

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POSITIONS OPEN

UNIVERSITY OF WASHINGTON seeks Physical Anthropologist with expertise and research experience in biochemical techniques and teaching competence in Physical Anthropology for a permanent position at the rank of Assistant Professor. Ph.D. and publications required. Demonstrated interest in primate molecular evolution desirable. Responsibilities include teaching courses and development of graduate research in area of specialization. Ability to teach laboratory techniques necessary. Teaching a large introductory physical anthropology course will be required. *University of Washington is an affirmative action, equal opportunity employer.* Send vitae, publications and names of five referees to **R. C. Dunnell, Chairman, Department of Anthropology, DK-20, University of Washington, Seattle, Wash. 98195.**

PHYSIOLOGIST

The Department of Physiology invites applications from individuals interested in establishing a vigorous research program and lecture series in **ELECTROPHYSIOLOGY**. Interest in transmitters or mechanism of action of transmitters is desired but not essential. Responsibilities include instruction to graduate, medical and other professional students. Candidates are expected to develop a strong research program and should be able to obtain extramural research support. *Applications from women and minority group candidates are encouraged.* Send curriculum vitae and references to:

Dr. Norman Briggs
Department of Physiology
Medical College of Virginia
Richmond, Virginia 23298

POLITICAL SCIENTIST

The Institute for Environmental Studies invites applications at the Assistant or Associate Professor level for a position, starting 16 September 1975, in the field of political science with special relevance to environmental studies. A joint appointment with the Department of Political Science is contemplated. A Ph.D. degree and a demonstrated interest in environmental affairs is required. The position will involve course development and teaching in environmentally related areas pertaining to public policy and institutional arrangements with particular reference to resource development and utilization. An interest in developing and participating in appropriate interdisciplinary research and in team teaching is required. *The University of Washington is an equal opportunity/affirmative action employer.* Resumes will be received until 15 February 1975.

Send résumé to: **Robert O. Sylvester, Director, Institute for Environmental Studies, 112 Sieg Hall, FR-40, University of Washington, Seattle, Wash. 98195.**

Applications invited for **POSTDOCTORAL POSITION** for collaborative work on characterization of restriction nucleases and their use in physical mapping of DNA. Applicants should be well trained in molecular biology or enzymology. The position is available immediately, for up to 3 years, starting at \$9,000. Send résumé and letters of recommendation to: **L. I. Grossman, Department of Biochemistry, Wayne State University School of Medicine, Detroit, Michigan 48201.**

POSTDOCTORAL POSITION available immediately for chemical and structural studies of HbS fiber formation. Strong background in protein chemistry is essential, and experience in Hb chemistry is preferred. Chemical studies will be integrated with EM and x-ray diffraction and computer image processing. Send detailed curriculum vitae and three letters of reference by 30 January 1975 to **Dr. M. W. Makinen, Department of Biophysics and Theoretical Biology, University of Chicago, 920 East 58 St., Chicago, Ill. 60637.**

POSTDOCTORAL RESEARCH POSITIONS

The Department of Oral Biology of the University of Connecticut School of Dental Medicine invites applications for postdoctoral (D.D.S., M.D., Ph.D.) appointments. Research fields include biochemical developmental biology, cell and tissue structure, experimental embryology and others. The N.I.D.R. institutional research fellowship supporting this program is intended to prepare scientists for research related to the etiology of craniofacial anomalies. Applications welcomed from women and minority groups. Send curriculum vitae, names of three references and description of your research interests to **J. Yaeger, Department of Oral Biology, University of Connecticut Health Center, Farmington, Conn. 06032.** *An Equal Opportunity Employer M/F.*

POSITIONS OPEN

POSTDOCTORAL POSITIONS

In accordance with the affirmative action program of Brandeis University, we wish to call attention to the expected postdoctoral positions for research which will probably be available in the following laboratories within the next year:

R. H. Abeles—enzyme reaction mechanisms; G. D. Fasman—protein and nucleic acid chemistry; S. N. Timasheff—protein chemistry; L. Levine—immunopharmacology; J. M. Lowenstein—metabolism; A. Redfield—NMR; H. Van Vunakis—drug metabolism and immunochemical analysis; D. Freifelder—molecular biology; R. Schleif—molecular biology; J.-S. Hong—transport and genetics; S. Lowey—muscle; M. Soodak—iodine fixation; W. Murakami—mammalian viruses; W. P. Jencks—reaction mechanisms.

Interested applicants should send a curriculum vitae to **Mr. C. J. Ciotti, Department of Biochemistry, Brandeis University, Waltham, Mass. 02154,** indicating the laboratory of interest.

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UNIVERSITY OF SOUTH ALABAMA COLLEGE OF MEDICINE

Invites applications and nominations for the position of

Professor and Chairman Department of Neurobiology

Candidates should have a substantial record of accomplishment in neurobiological research, as well as extensive teaching experience. The department is responsible for the teaching of neurobiology to medical students as well as graduate students.

The University of South Alabama, College of Medicine, is an Equal Opportunity Employer with an Affirmative Action Program and welcomes applications from women and minority candidates.

Applications and nominations should be accompanied by a curriculum vitae and submitted to:

Michael Kehoe, M.D.

Chairman, Search Committee—Neurobiology
Room 1070, Moorer Clinical Sciences Building
University of South Alabama—Medical College
Mobile, Alabama 36617

PROFESSOR AND HEAD

Department of Pathology, University of Wisconsin Medical School. Nominations and applications invited. *Applications from women and minority groups are welcomed.* Send correspondence and curriculum vitae to: **Dean's Office, University of Wisconsin Medical School, 7th Floor WARF Building, Madison, Wisconsin 53706.**

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PROJECT OFFICER

Wanted by private nonprofit research organization with social science orientation, project officer to assist in making contacts with granting and contracting organizations, in preparation of applications for grants and contracts addressed to such organizations, and in grant and contract administration. *Equal opportunity employer.* Write particulars. Salary according to experience and demonstrated competence. **Box 29, SCIENCE.**

THE DEPARTMENT OF PSYCHOLOGY, University of Wisconsin-Madison, is considering candidates at the assistant professor level in the following three areas: social-personality development; perceptual development; and physiological psychology. We invite vitae from exceptional candidates who can bring to the department a strong combination of teaching and research abilities. *The University of Wisconsin is an equal opportunity/affirmative action employer.* Vitae and other information should be sent to **Robert E. Bowman, Chairman, Department of Psychology, University of Wisconsin-Madison, Charter at Johnson, Madison, Wisconsin 53706.**

RESEARCH ASSISTANTS

Positions in Reproductive Biology, Endocrine Biology, Neurobiology and Molecular/Cell Biology are periodically available at the Worcester Foundation for Experimental Biology, Inc. Positions are competitive; rank and salary commensurate with qualifications and experience; ample fringe benefits. Interested individuals having either a Bachelor's or a Master's degree in Biology, Biochemistry, Biophysics or in other related fields should send résumé, complete academic transcript, and three letters of reference from individuals in a position to critically evaluate their scientific potentials to: **Dr. Ashton Gibbons, Director of Personnel, Worcester Foundation for Experimental Biology, 222 Maple Ave., Shrewsbury, Massachusetts 01545.**

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POSITIONS OPEN

ECOLOGIST

The Biological Sciences Group, University of Connecticut, invites applications for a faculty position in its Ecology Section. Preference will be given to candidates with postdoctoral experience who have well-defined research plans and who are qualified to teach population ecology to advanced undergraduates. Rank and salary are open. Full curriculum vitae with names of three references should be directed to **Ecology Search Committee, Biological Sciences Group, University of Connecticut, Storrs, Conn. 06268.** *An equal opportunity/affirmative action employer.*

PREDOCTORAL ASSISTANTSHIPS AND TRAINEESHIPS. In Oncology, Immunology, Microbiology, Virology, and Molecular and Cellular Biology. Prerequisites: B.S. degree in biology, chemistry, or related fields with B average or better and high G.R.E. score. U.S. citizenship required. Traineeships and assistantships available. Inquiries should be submitted to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.**

SOIL SCIENTIST

Senior Staff Position available at Argonne National Laboratory for established Soil Chemist or Soil Biologist with broad background in terrestrial ecology. Responsibilities of the position will be: (i) To develop a strong research program on some aspect of the impact, or use, of energy production on natural and/or agricultural ecosystems, (ii) To provide overall leadership for the terrestrial ecology program at Argonne. **For additional information, send résumé to Mr. Ronald A. Johns, Personnel Division, Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439.** *An Equal Opportunity Employer, M/F.*

FULL PROFESSORSHIP IN THE SPACE SCIENCES—WASHINGTON UNIVERSITY

Applications are solicited from candidates with exceptional qualifications for an anticipated faculty position at the Full Professor level in one of these departments: Earth and Planetary Sciences, Physics (including astrophysics), Chemistry, and Biology. Applicants must have demonstrated the highest level of competence, productivity, and originality in some active area of space research, either experimental or theoretical, and must enjoy international recognition. This position is one of several which we anticipate will be available as a result of the recent creation of the McDonnell Center for the Space Sciences. A successful candidate will be expected to play a key role in the development of the new Center as a major international institute of space research, through the recruitment of talented junior faculty members and the direction and expansion of research activities into novel and exciting areas. Excellence in teaching is also expected. Areas of particular interest include: Astrophysics, the nature and history of the earth and other planets, and the origin and distribution of life. Fields of specialization might include: Planetary geophysics, remote sensing, infrared astronomy, and astrophysical plasmas. An extraordinarily able candidate at the Associate Professor level would also be considered. *Washington University is an equal-opportunity, affirmative-action employer, and welcomes applications from women and members of minorities.* Send résumé, including names of at least three references, to the appropriate departmental chairman at Washington University, St. Louis, Mo. 63130.

ASSISTANT PROFESSORSHIPS IN THE SPACE SCIENCES—WASHINGTON UNIVERSITY

It is anticipated that several positions at the Assistant Professor level will be available beginning September 1975 as a result of the recent creation of the McDonnell Center for the Space Sciences. Applications are invited from exceptionally promising and talented young scientists with demonstrated creative ability in an area related to space research, either experimental or theoretical. Successful candidates will be expected to pursue a vigorous and original research program and to interact strongly with the other members of the new Center. Excellence in teaching is also expected. Areas of particular interest include: Astrophysics, the nature and history of the earth and other planets, and the origin and distribution of life. Fields of specialization might include: Planetary geophysics, infrared astronomy, remote sensing, and astrophysical plasmas. *Washington University is an equal-opportunity, affirmative-action employer, and welcomes applications from women and members of minorities.* Appointments will be made by the following four departments: Earth and Planetary Sciences, Physics, Chemistry, and Biology. Send résumé, including names of at least three references, to the appropriate departmental chairman at Washington University, St. Louis, Mo. 63130.

PHARMACOLOGIST

Midwest Research Institute, a not-for-profit organization, offers excellent career opportunities in the rapidly-expanding fields of pharmacology and toxicology.

Doctoral degree and experience in drug absorption and metabolism required. Knowledge in analytical techniques essential. Salaries are competitive and will be based on experience and training.

Please send, in complete confidence, resume with education, work experience and salary requirements to:

Martin N. Schuler
Manager of Staff Development



MIDWEST RESEARCH INSTITUTE
425 Volker Boulevard
Kansas City, Missouri 64110

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ASSOCIATE DIRECTOR FOR INTERVENTION PROGRAMS

The Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, invites applications for the position of Associate Director for Intervention Programs in the Division of Cancer Control and Rehabilitation. Salary range \$29,818 to \$36,000. Duties will include directing programs of support to field-test and demonstrate new or improved cancer control and rehabilitation intervention techniques and methods which can then be applied in community settings. A medical degree with extensive experience in clinical oncology and/or community health is required. Must have held position involving program development and direction in oncology, and have recognized leadership ability.

Forward curriculum vitae and bibliography or Federal Application Form (SF-171), no later than 7 February 1975 to:

Mr. David Dwyer
Personnel Management
Specialist, NCI
Building 31, Room 3A-32, Dept. S
**NATIONAL INSTITUTES
OF HEALTH
PUBLIC HEALTH SERVICE**
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Qualified candidates must have a successful research background and 3 to 5 years managerial experience in a pharmacological or clinical laboratory.

Send vitae and current salary to:

D.S. Loker, Personnel Manager
Litton Bionetics, Inc.
FREDERICK CANCER RESEARCH CENTER
P.O. Box B
Frederick, Maryland 21701

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POSITIONS OPEN

RADIATION SAFETY OFFICER. University radiological control program. Broad R & D license and electronic product responsibilities. Minimum requirements per AEC Regulatory Guide 8.10. Nonacademic position. Send résumé and salary expectation to: **R. A. Gilmore, Microbiology Department, Southern Illinois University, Carbondale, Illinois 62901. An Equal Opportunity/Affirmative Action Employer.**

STRUCTURAL GEOLOGIST/PETROLOGIST at Assistant Professor level to fill immediately. Teaching of Mineralogy, Optical Mineralogy, Structural Geology, and Field Methods to upper-division undergraduates. Ph.D. required. Send curriculum vitae, reprints, statement of teaching and research interests to **Earth Sciences Search Committee, Florida International University, Tamiami Trail, Miami, Florida 33144. An equal opportunity/affirmative action employer.** Or call: 305/552-2605.

TOXICOLOGIST

The Center for Disease Control, PHS, Atlanta, Georgia, seeks a person to serve as Chief, Toxicology Branch, Clinical Chemistry Division, Bureau of Laboratories.

Selectee will supervise staff of ten professional scientists working with drug abuse surveillance, diagnostic drug methodology, and toxic environmental agents to a broad variety. Works with medical and public health professionals in investigations of episodes of exposure to toxic agents in the environment, and plans and directs pharmacopathologic and metabolic studies. Represents the Center on panels and at conferences as a nationally and internationally recognized authority in the field of public health toxicology.

Salary will be \$25,581 to \$29,818 depending upon experience. Position may be in the Career Civil Service or PHS Commissioned Corps and full benefits apply.

Candidates should submit résumé or Federal Civil Service application, Form 171, to **Center for Disease Control, Attention: Chief, Recruitment and Placement, Atlanta, Georgia 30333.**

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VICE CHANCELLOR FOR ACADEMIC AFFAIRS is the chief academic officer responsible to the Chancellor and will serve as executive officer in Chancellor's absence. Duties include educational planning, resource allocation, program evaluation, and development and administration of campus-wide operating and capital budgets. Academic support units such as library, student admissions, student affairs also report to this officer. Candidates should possess an earned doctorate or comparable recognition of scholarly achievement. Achievement as a faculty member, successful experience as an academic administrator, and demonstrated leadership capability are the basic requirements. Significant experience in an academic health sciences center is highly desirable. The salary is commensurate with qualifications. Position available 1 July 1975. Send curriculum vitae to **Chairman of the Search Committee: Dr. Dale E. Mattson, School of Public Health, University of Illinois, 1919 W. Taylor Street, Room 227, Chicago, Illinois 60680. Equal Opportunity/Affirmative Action Employer.**

GRADUATE SUPPORT

GRADUATE SUPPORT IN MATERIALS SCIENCE AND SOLID MECHANICS AT THE GEORGE WASHINGTON UNIVERSITY

Support is available for graduate work toward a Master or Doctor of Science degree in Solid Mechanics and Materials Science. Subjects of research interest include: ultrasonic testing of materials, relationship of microstructure and microchemistry to mechanical properties, recycling of materials and properties of materials subject to extreme conditions: fatigue, creep, and radiation damage. Applicants should have a B.S. degree in engineering or physical science. Annual salaries up to \$8000 per year are possible depending upon qualifications and research project. For further information contact **Professor C. M. Gilmore, School of Engineering and Applied Science, The George Washington University, Washington, D.C. 20052.**

GRADUATE STUDY

ANATOMY GRADUATE PROGRAM

Medical University of South Carolina, Anatomy Department, seeks qualified candidates for Ph.D. program. Modern facilities include TEM, SEM, cine, tissue culture, cryogenics, plus many more. Faculty research interests: cell biology, development, neuroendocrinology, extracellular matrix, immunology, microcirculation. Stipends available: \$3900 per year. Contact: **Graduate Program Chairman, Department of Anatomy, Medical University of South Carolina, Charleston, S.C. 29401.**

REQUEST FOR PROPOSAL

It is the intention of the Carcinogenesis Area of the National Cancer Institute to advertise the availability of a Request for Proposal entitled "Studies on an *In Vivo/In Vitro* System as a Potential Bioassay for Chemical Carcinogens" (RFP must reference NOI CP 55657-56).

Individuals representing research organizations who wish to receive a copy of this Request for Proposal when it becomes available (RFP issue date is 9 December 1974) are invited to submit their names to the following address:

**Mr. D. J. Dougherty (301-496-6361)
National Cancer Institute
Carcinogenesis Contracts Section
Research Contracts Branch
National Institutes of Health
Landon Building, Room B-401
Bethesda, Maryland 20014**

Proposals in response to this RFP are due 7 March 1975.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP positions available 1 July 1975 and 1976 in the specialized center for thrombosis research, Temple University. M.D., Ph.D., or D.O. a prerequisite. Citizenship or permanent U.S. residency required. Program consists of training in the field of thrombosis and hemostasis. Stipends according to years of postdoctoral experience. Write **Sol Sherry, M.D., Temple University Hospital, Department of Medicine, 3400 North Broad St., Philadelphia, Pa. 19140. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL FELLOWSHIPS

Positions available from time to time for M.D. or Ph.D. to conduct research as member of group in either of the following areas of regulatory biology: (1) Cell/Molecular biology, (2) Reproductive biology, (3) Endocrine biology, (4) Neurobiology. Applications are invited from persons trained in molecular biology, microbiology, virology, physiology, biology, organic chemistry, biochemistry, pharmacology, biophysics or other related specialties. Applicants are expected to be familiar with advanced research techniques relevant to the area of interest and must have strong academic background. Stipend range from \$10,000-\$14,000 depending upon postdoctoral experience. Send résumé and three letters of reference to **Dr. Ashton Gibbons, Director of Personnel, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Massachusetts 01545.**

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POSTDOCTORAL FELLOWSHIPS IN PALEOCLIMATOLOGY AND PALEO-OCEANOGRAPHY for work with a research group studying climatic changes of the Quaternary. Fellowships are being offered to scientists with backgrounds in either (i) deep-sea micropaleontology/mineralogy/sedimentology or (ii) meteorology/climatology/physical oceanography.

Applicants should have background and experience in the quantitative modeling techniques used in the above fields. Send résumé, list of publications and names of referees to **Box 28, SCIENCE.** Application deadline: 1 May 1975. *An Equal Opportunity Employer, M/F.*

Applications are invited for an **NIH POSTDOCTORAL TRAINING FELLOWSHIP.** The applicant should have completed his degree in biochemistry and will be expected to participate in an on-going research program to study growth and differentiation in the mammalian intestine. Citizenship requirement and stipend are according to NIH regulations. Appointment period is for 1 year and may be renewed for a maximum of 3 years. Please address inquiries with résumé to: **Dr. Philip Sunshine, Department of Pediatrics, Stanford Univ. School of Medicine, Stanford, Calif. 94305.**

FELLOWSHIPS

THE ROCK FELLOWSHIP OF THE NATIONAL PSORIASIS FOUNDATION

The National Psoriasis Foundation is pleased to announce that support has been provided by the Rock Foundation for a fellowship (salary stipend) in psoriasis research.

Candidates with either M.D. or Ph.D. degrees may apply by submitting a curriculum vitae and a two-page proposal for research to be carried out during the year of support. A statement concerning research support and facilities should be forwarded separately by the applicant's sponsor. Two letters of reference should also be submitted. The award will be made in the amount of \$12,500 to \$15,000, and will be made for the period of 1 September 1975 through 31 October 1976. Applications will be accepted until 15 May 1975 and the award will be announced on 1 July 1975.

Address research proposal to:

**Joseph McGuire, M.D.
Department of Dermatology
Yale University
333 Cedar Street
New Haven, Conn. 06510**

POSTDOCTORAL FELLOWSHIP

Two-year academic/research position in systems ecology. Research will address the organization of ecosystems and the development of "higher order" laws. A prototype simulation based on these concepts will be developed. Candidates should have a Ph.D. in ecology, mathematics, statistics, or an appropriate related field with some experience with ecological systems. Send curriculum vitae and names of three references to: **Dr. George S. Innis, Utah State University UMC 52, Logan, Utah 84322.**

TRAINING SESSION

Two-Week Session in Transmission and Scanning Electron Microscopy for Biologists, 16 to 27 June. Lectures and laboratory experience in TEM and SEM, demonstrations of freeze-fracture and freeze-etch techniques. Guest lecturers in uses of electron microscopy in specific research problems. Maximum enrollment of 12. Tuition, room, and board: \$1200. For information and application form, write to: **Dr. Eve L. MacDonald, Director, Wilson College Institute for Electron Microscopy (Continuing Education Program), Chambersburg, Pa. 17201.**

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
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Pyrimidines			
CATALOG #	COMPOUND	SPEC. ACT. MC/MM	PRICE
253386	Thymidine [methyl ³ H] (St. Aq. Sol.)	6,000	\$70./5 mCi 300./25 mCi
253388	Thymidine [methyl ³ H]	40,000-60,000	70./5 mCi 300./25 mCi
³ H-Triphosphates			
143309	Adenosine 5' Triphosphate [8- ³ H]	12,000-25,000	\$40./1 mCi 165./5 mCi
143339	Cytidine 5' Triphosphate [5- ³ H]	5,000-15,000	40./1 mCi 165./5 mCi
143360	Guanosine 5' Triphosphate [8- ³ H]	5,000-15,000	40./1 mCi 165./5 mCi
143390	Uridine 5' Triphosphate [5- ³ H]	10,000-25,000	40./1 mCi 165./5 mCi
243307	Deoxyadenosine 5' Triphosphate [8- ³ H]	5,000-15,000	40./1 mCi 165./5 mCi
243334	Deoxycytidine 5' Triphosphate [5- ³ H]	15,000-30,000	40./1 mCi 165./5 mCi
243356	Deoxyguanosine 5' Triphosphate [8- ³ H]	5,000-15,000	40./1 mCi 165./5 mCi
243392	Thymidine 5' Triphosphate [methyl- ³ H]	5,000-15,000	40./1 mCi 165./5 mCi
243395	Thymidine 5' Triphosphate [methyl- ³ H]	>40,000	40./1 mCi 165./5 mCi
¹⁴ C Amino Acids			
312231	Glycine ¹⁴ C (U)	95-100	\$60./500 uCi 110./1 mCi
312241	L-Leucine ¹⁴ C (U)	270-320	170./500 uCi 320./1 mCi
312245	L-Lysine ¹⁴ C (U)	270-300	170./500 uCi 320./1 mCi
312249	L-Phenylalanine ¹⁴ C (U)	405-495	170./500 uCi 320./1 mCi
312251	L-Proline ¹⁴ C (U)	225-265	170./500 uCi 320./1 mCi
312259	L-Tyrosine ¹⁴ C (U)	405-495	170./500 uCi 320./1 mCi
312261	L-Valine ¹⁴ C (U)	225-265	140./500 uCi 300./1 mCi

**Offer expires
March 15, 1975**



S Schwarz/Mann Science for Mankind.

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