

Personnel Placement

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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, companies, colleges, and universities take display rate for all advertising.

DISPLAY (POSITIONS OPEN, MARKET PLACE, AND SO FORTH): \$130 per inch, minimum, per insertion (1 inch is equivalent to 11 lines of 52 spaces each). Ads over 1 inch billed to nearest quarter inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Prepayment required for foreign advertising. Purchase orders and billing information must accompany all other advertising.

COPY for ads must reach SCIENCE by Wednesday, 3-½ weeks before issue date (Friday of each week) requested. Send copy for all positions wanted ads and display ads under 5 inches to:

SCIENCE, Room 207
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Send copy for display ads, 1/6 page and larger, to:

Scherago Associates, Inc.
11 West 42nd Street
New York, N.Y. 10036

BLIND AD replies should be addressed as follows:

Box (give number)
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1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Anatomy (gross) teaching position. Research interests in cell differentiation and growth; ultrastructure; publications. Box 84, SCIENCE. 2/27; 3/12

Biochemistry undergraduate, talented, seeks relevant employment June to September 1976. Anywhere considered. References available. Box 85, SCIENCE. X

Biochemist/Molecular Biologist. Ph.D. 1970. Twelve years of experience in steroid hormone-protein interactions, chromatin analysis, transcription of chromatin, RNA-DNA hybridization. Numerous publications. Desires position in university or industry. Box 86, SCIENCE. X

Biologist. B.S. plus, electron microscopy (SEM/TEM), lab manager, programmer. Seeks rewarding position in industry, university, hospital. R. Koestler, American Museum of Natural History, Central Park West and 79th Street, New York, New York 10024. X

Biologist. Ph.D. Purdue 1961, postdoctoral BNL, teaching at NYU and Notre Dame, grants, awards, publications, overseas research experience (Europe/Australia). Expertise in plant sciences, cellular/molecular botany, plant ecology, genetics, breeding, nematology, basic and applied. Returning to United States in June, seeking position in Northeast or East Coast area. Please contact Dr. J. A. M. Brown, c/o W. Shields, 9 Julio Street, Chelmsford, Massachusetts 01824. 2/27; 3/5

Biophysicist/Biochemist. Ph.D. Four years of post-doctoral experience. Spectroscopy, electron microscopy, biochemistry. Desires teaching, research position in Houston area immediately. Box 88, SCIENCE. X

Hospital Scientist, medical technology-research. B.A. Wells 1963. Four years of experience in Australia, biochemistry, microbiology, hematology, serology, modern laboratory. Returning to United States in June, seeking post in Northeast or East Coast area. Please contact C. M. S. Brown, c/o W. Shields, 9 Julio Street, Chelmsford, Massachusetts 01824. 2/27; 3/5

27 FEBRUARY 1976



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Circle No. 130 on Readers' Service Card

POSITIONS WANTED

Biostatistician, Ph.D. 1973. Teaching/consulting/research experience. Publications. Seeks academic, research, or applied position. Box 89, SCIENCE. X

Biomedical Engineer, B.S.E.E., M.S. physiology. Eleven years of experience in design and fabrication of electronic instrumentation, supervision of departmental electronic laboratory, and teaching of biomedical electronics. Seeking nonindustrial position in Southeast. Several publications. Box 87, SCIENCE. X

Cell Biologist, Ph.D., 3 years of teaching experience and 2 years as postdoctoral fellow. Background includes tissue culture, virology, and experience in clinical pathology laboratory. Seeks training or position in developmental biology in Washington, D.C., area. Available 1 July 1976. Box 90, SCIENCE. X

Electron Microscopist/Biophysical Chemist, Ph.D. Reconstituted liposomes, bacterial membrane experience. Freeze-etch expert. Extensive DNA electron microscopy work (Kleinschmidt, BAC, and bare film techniques), atomic resolution dark-field experience. Molecular biology position wanted. Box 68, SCIENCE. X

Immunochemist/Protein Chemist, Ph.D. 1968. Expertise in coagulation, fibrinolysis, kinin, fibrinogen structure. Versatile experience on isolation, purification, chemical analysis by modern biochemical and immunological techniques including radioimmunoassay. Will relocate. Box 91, SCIENCE. X

Invertebrate Zoologist/Ecologist, Ph.D. Broad biological background. Educated in U.K./U.S. Experience in marine/F.W. ecosystems. Seeks research/teaching position. Box 92, SCIENCE. X

Molecular Biologist/Geneticist, Ph.D. Will relocate from university faculty position to a senior position involving primarily research. Twenty years of research. Sixty publications: eukaryote biochemical genetics, protein and membrane biochemistry, enzymology, mitochondriology, cellular physiology and ultrastructure. Current research on molecular biology of membranes and cellular aging. Box 93, SCIENCE. X

Paleontologist/Sedimentologist, Ph.D., 3 years of teaching experience, publications, active research program in tertiary mammalian biostratigraphy and terrigenous deposition. Loves teaching. J. Schiebout, Department of Geological Sciences, San Diego State University, San Diego, California 92182. X

Physicist, Ph.D. 1960; experienced in teaching and research of photoeffects in semiconductors, seeks work in sun energy conversion and/or undergraduate teaching. Box 94, SCIENCE. X

Physiologist (animal): field biology, animal behavior, and human biology. Extensive teaching experience, publications, and postdoctorate. Box 95, SCIENCE. X

Science of Science is the current study of a physicist, Ph.D. 1960, who desires to teach and do research in this modern area bridging the science-humanities gap. Box 96, SCIENCE. X

Tissue Culture. B.S. Seven years of industrial experience; desires position in government or industry. Box 97, SCIENCE. X

Virologist, Ph.D. Twenty years of experience in tissue culture and virology. Includes research on tissue transplantation, tumor virology, and 12 years in industry at bench and management levels, covering virus R & D, bioproduction, and quality control. Prefers R & D in industry or government in technical/management capacity. Box 98, SCIENCE. X

POSITIONS OPEN

ANATOMIST, to teach human gross and neuroanatomy to undergraduates and graduates majoring in applied anatomy, physiology, and health professions, and to develop personal research program attractive to graduate students. Nine-month academic year, starting 1 September 1976. Appreciation for the relevance of basic science to the health professions desired. Applicants should send letters describing current and projected professional activities, curriculum vitae, and list of three references to: **A. J. Godfrey, Department of Health Sciences, Sargent College of Allied Health Professions, Boston University, Boston, Mass. 02215. Affirmative Action/Equal Opportunity Employer.**

ANATOMISTS

Two openings are to be filled by September 1976, both at the assistant professor level. Postdoctoral experience is an important consideration, and evidence of strong research potential is necessary. One vacancy is for an embryologist who can teach laboratories in medical histology and a graduate-level course in human embryology. Candidates with research background and interests in experimental embryology or related areas are preferred. An additional opening is available for a person who can take charge of a one-quarter course in general anatomy for nursing students and participate in some aspect of teaching in the medical program. Research interest is open, but a background in functional or comparative anatomy, physical anthropology, and so forth, would be helpful.

Send curriculum vitae and the names of three persons who can provide references to **K. A. Rafferty, Jr., Head, Department of Anatomy, The University of Illinois at the Medical Center, Box 6998, Chicago, Illinois 60680. The University of Illinois is an Equal Opportunity/Affirmative Action Employer and encourages applications from women and minorities.**

ASSISTANT NEMATOLOGIST and ASSISTANT PROFESSOR OF ENTOMOLOGY to explore incidences of nematode parasitism of insects and host-parasite relations including utilization in pest management, and to teach insect pathobiology. Ph.D. required, preferably in a zoological science with background in nematology and insect pathology. Submit curriculum vitae, transcripts, thesis summary, reprints, and letters sent directly from three referees to **Dr. D. R. Vignierchio, Chairperson, Search and Selection Committee, Division of Nematology, University of California, Davis, California 95616**, by 1 May 1976. *An Equal Opportunity/Affirmative Action Employer.*

The Department of Aerospace and Mechanical Sciences of Princeton University invites applications for the position of **ASSISTANT PROFESSOR**, a 3-year appointment beginning September 1976. To teach undergraduate and graduate courses as well as conduct research programs in (i) acoustics and aerodynamics, (ii) flight mechanics of conventional and V/STOL aircraft, (iii) combustion and energy conversion, or (iv) experimental high-speed fluid mechanics. Submit résumé to: **S. M. Bogdonoff, Chairman, Department of Aerospace and Mechanical Sciences, Princeton University, Princeton, N.J. 08540. Princeton University is an Affirmative Action/Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF ANATOMY in residence; codirector, Electron Microscope Cooperative Facility, University of California Liver Center. Applicant must hold doctoral degree and have had experience in electron microscope morphometry and liver perfusion techniques. Prior experience in hepatic aging, drug and lipid metabolism essential. Send summary of research experience, list of publications, and names of three referees by 19 March 1976 to **Dr. John A. Long, Department of Anatomy, University of California, San Francisco, California 94143.**

ASSOCIATE DEAN: MATH, SCIENCE, AND ENGINEERING, California State University, Fullerton. Must be eligible for appointment as associate or full professor in a discipline of School of Math, Science, and Engineering. Evidence of administrative ability required. Preference will be given to candidates familiar with the operations of the California State University and Colleges System. Please send letter of intent, curriculum vitae, and letters of recommendation to **Mary Louise Blackstone, Department of Chemistry, California State University, Fullerton, California 92634**. Deadline: 15 March 1976. *The University is an Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

ASSISTANT ADJUNCT PROFESSOR (CYTOGENETICS)

Research and graduate teaching position available 1 September 1976, University of California, Irvine. Collaborative research conducting cytogenetic studies in animals exposed to airborne toxins. Ph.D. required in cytology, biochemical genetics, or related fields plus at least 2 years of postdoctoral research including chromosome aberration analysis, mammalian cell culture, preparation of lymphocytes for chromosome analysis. Preference given applicants with pharmacology or inhalation toxicology background and published independent work. Research site at Toxic Hazards Research Unit, Wright-Patterson Air Force Base, Dayton, Ohio. Closing date for applications is 1 April 1976. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Submit complete curriculum vitae and names of at least three referees to **Dr. Ronald E. Rasmussen, Community and Environmental Medicine, California College of Medicine, University of California, Irvine, Calif. 92717.**

ASSISTANT ADJUNCT PROFESSOR OR ASSOCIATE ADJUNCT PROFESSOR

Position available 1 September 1976 in field of mammalian biochemistry. Research and graduate teaching in comparative metabolism of toxicants relevant to mechanisms of toxicity. Ph.D. required in molecular biology, biochemistry, biochemical pharmacology, biochemical toxicology, or related field with at least 2 years of postdoctoral research experience in these areas. Preference given applicants with pulmonary biochemistry and inhalation toxicology background and published independent work. Opportunity to train graduate students and teach students in College of Medicine. Closing date for applications is 1 April 1976. *Applications from all qualified candidates are welcome; minorities and women are encouraged to apply.* Submit complete curriculum vitae and names of at least three referees to **Dr. Ronald C. Shank, Community and Environmental Medicine, College of Medicine, University of California, Irvine, Calif. 92717.**

Applications are invited for three positions as **ASSISTANT PROFESSOR** to begin 1 July 1976 in the Department of Anesthesiology, University of North Carolina. Candidates should be Board-eligible or -certified. Duties involve teaching medical students, residents, and fellows in addition to clinical duties. Facilities and time available for research. Send curriculum vitae to **Kenneth Sugioka, M.D., Chairman, Department of Anesthesiology, School of Medicine, The University of North Carolina, Chapel Hill, North Carolina 27514. An Affirmative Action/Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF PHARMACOLOGY. An immediate opening is available for a faculty member in an established research-oriented department. Applicant must have a Ph.D. and/or M.D. with postdoctoral experience, and demonstrated research competence. Research interests in biochemical pharmacology, toxicology, or clinical pharmacology preferred. The successful applicant will be expected to develop an independent research program and participate in the teaching of medical and graduate students.

Applicants should send a curriculum vitae, bibliography, and names of three references, together with a summary of research plans to: **Chairman, Department of Pharmacology, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Illinois 60680. An Equal Opportunity/Affirmative Action Employer**

Applications are invited for two positions beginning September 1976: (i) **PHYCOLOGY (ASSISTANT PROFESSOR)**. Primary duties will be teaching a one-semester course in general botany and advanced phyco-logy and develop research in phyco-logy. Ph.D. and demonstrated excellence in teaching and research is required. (ii) **HUMAN ANATOMY/PHYSIOLOGY (ASSISTANT PROFESSOR)**. Teaching a two-semester course in human anatomy and physiology for nursing students and coordinate program with affiliated hospital schools of nursing. Ph.D. and demonstrated excellence in teaching required. Applicants with teaching experience in the allied health, in particular nursing, programs will be given preference. Deadline for applications is 26 March. Submit letter of application, curriculum vitae, transcripts, and three letters of reference to: **Dr. C. D. Brown, Chairman, Department of Biology, Memphis State University, Memphis, Tenn. 38152.**

Equal Opportunity Employer, M/F

POSITIONS OPEN

ASSISTANT PROFESSORSHIP

The Department of Microbiology of the Medical College of Pennsylvania seeks an **electron microscopist** with postdoctoral experience to direct a well-equipped electron microscopy lab. Applicants should be familiar with techniques using immuno-, radio- and cytochemical labels. Extensive training in immunology, virology, or cell biology required. Previous experience in teaching medical students desirable. Responsibilities will include teaching microbiology to medical and graduate students and helping supervise laboratory instruction. In addition, candidates will be expected to continue their own research and collaborate in formulation of joint projects with other faculty. Send curriculum vitae to **Kurt Paucker, Ph.D., Department of Microbiology, The Medical College of Pennsylvania, 3300 Henry Avenue, Philadelphia, Pa. 19129. The Medical College of Pennsylvania is an Affirmative Action/Equal Opportunity Employer.**

ASSISTANT-ASSOCIATE PROFESSORSHIP

The Department of Microbiology of the Medical College of Pennsylvania seeks a **virologist** with postdoctoral experience and interest in oncogenic or molecular virology. Prior training should include strong background in immunology and protein biochemistry. Previous experience in teaching medical students desirable. Responsibilities will include teaching microbiology to medical and graduate students and helping supervise laboratory instruction. In addition, candidates will be expected to continue and develop their own research plans and collaborate in formulation of joint projects with other faculty. Send curriculum vitae to **Kurt Paucker, Ph.D., Department of Microbiology, The Medical College of Pennsylvania, 3300 Henry Avenue, Philadelphia, Pa. 19129. The Medical College of Pennsylvania is an Affirmative Action/Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF BIOLOGY

Elmira College, an independent, coed, nonsectarian, liberal arts college in the Finger Lakes region of New York State has an opening for an assistant professor of biology who is interested in teaching. The individual must be prepared to teach vertebrate development, physiology, histology, kinesiology to undergraduates in a liberal arts context. Ph.D. or equivalent preferred. Send curriculum vitae, references, and credentials to **Dr. David G. Ruffer, Provost, Elmira College, Elmira, New York 14901.**

ASSISTANT PROFESSOR BIOLOGICAL CHEMISTRY

The Department of Biological Chemistry of the UCLA School of Medicine invites applications from highly qualified individuals with a strong commitment to teaching and to the development of an independent research program. Candidates should be particularly prepared, by previous experience and/or research interests, to teach aspects of intermediary metabolism at levels appropriate to medical, dental, and graduate students. A curriculum vitae, a one-page statement of research interests and plans, and the names of three references should be sent by 10 April to: **Search Committee, Department of Biological Chemistry, School of Medicine, University of California, Los Angeles, California 90024. We are an Equal Opportunity/Affirmative Action Employer. Applications from minority candidates and women are encouraged.**

BIOLOGY. Full-time position. September 1976. Dynamic individual with background in botany to teach ecology at institution which gives primary support to teaching. Additional responsibilities include introductory courses and upper-division courses in plant biology (for example, diversity, physiology) consistent with environmental emphasis of department. Doctorate. Option in agricultural applications of biology is being considered; experience in this area desirable. Send curriculum vitae, three letters of reference, and a short statement outlining teaching philosophy to **Dr. F. D. Blume, Chairman, Department of Biology, California State College, Bakersfield, 9001 Stockdale Highway, Bakersfield, Calif. 93309, by 1 March.**

POSITIONS OPEN

ASSISTANT PROFESSOR OF MOLECULAR BIOLOGY sought for September 1976. Must teach basic genetics and advanced courses in areas of specialization to undergraduates, direct graduate students, and conduct active research program. Ph.D. required, postdoctoral experience preferred. Apply to **R. F. Nunemacher, Chairman, Department of Biology, Clark University, Worcester, Mass. 01610. An Equal Opportunity/Affirmative Action Employer.**

ASSISTANT PROFESSOR OF PHYSICS: (pending funding) one or more positions available for 1976-77 academic year. Teach graduate/undergraduate levels, with strong research interests. Open in all areas of physics, with preference given to experimental physicists with applied orientation. Ph.D. required. Application deadline is 1 April 1976. Send résumé and letter to **J. E. Mulhern, Jr., Chairman, Physics Department, University of New Hampshire, Durham, N.H. 03824. The University is an Affirmative Action/Equal Opportunity Employer.**

DEPARTMENT OF BIOLOGY WEST VIRGINIA UNIVERSITY

Three (3) positions are available at the assistant professor level. **Cell Biologist**—research interest in membrane biochemistry, to teach in area of specialty and in the undergraduate core program. **Ecologist**—interest in terrestrial systems, research on interaction between terrestrial and aquatic systems, also to teach a course in plant ecology. **Endocrinologist/Physiologist**—to teach a course in endocrinology, research on some aspect of physiology. Appointees are expected to develop an independent research program and to participate in the graduate and undergraduate teaching programs.

Application deadline is 30 March. Applicants should submit a résumé, reprints, and names and addresses of three references to: **John DeCosta, Chairman, Department of Biology, West Virginia University, Morgantown, W.Va. 26506.**

West Virginia University is an Equal Opportunity/Affirmative Action Employer.

Announcing a temporary, 1-year position in **BIOL-OGY** as visiting instructor or assistant professor to teach molecular biology, plant biology, and part of the introductory biology course. Salary commensurate with experience. Inquiries and applications, including three letters of references, should be submitted to: **A. Wohlpart, Chairman, Biology Department, Kenyon College, Gambier, Ohio 43022. Kenyon College is an Equal Opportunity Employer.**

BIOMEDICAL ENGINEERING SCIENCE

The University of Arizona is considering an appointment to a tenure faculty position at the level of full professor in the area of the biomedical engineering sciences. The appointment will be made either in a single department or as a joint appointment depending upon the background of the individual. The responsibilities of this position include teaching, the development of multidisciplinary research programs, and doctoral research. The appointee will be expected to provide strong leadership in the development of the biomedical engineering research program at the University. Candidates should have demonstrated the ability to develop distinguished creative research programs and have a background in one of the biological sciences, in addition to applied mathematics and engineering sciences. Interested individuals should submit their curriculum vitae, including a detailed publication list and three references, to **Professor Joseph F. Gross, Chairman, Biomedical Engineering Committee, 103 Geology, University of Arizona, Tucson, Arizona 85721.**

The University of Arizona is an Equal Opportunity/Affirmative Action Employer under state and federal laws and regulations including Title IX, 1972 Education Amendments.

CARDIOVASCULAR OR RESPIRATORY PHYSIOLOGIST. Applications are invited from mammalian cardiorespiratory physiologists with the Ph.D. and/or M.D. degree for appointment to a faculty position as an assistant or associate professor. Applicants should have a proven research ability and teaching experience at undergraduate and graduate levels. A curriculum vitae including a complete list of publications and the names of three referees should be sent to **Dr. D. B. Jennings, Chairman of the Selection Committee, Department of Physiology, Queen's University, Kingston, Ontario, Canada, K7L 3N6.**

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Supervisory and senior-level positions at highly competitive salaries are available in a company specializing in the assessment of environmental impacts associated with the construction and operation of electric power generating and other industrial facilities.

SUPERVISING GEOLOGIST (HYDROGEOLOGIST)

To direct a staff concentrating on geophysical analysis, geology, emphasizing environmental factors such as beach erosion, hydrology, and ground water relating to site selection and assessment for power plants and other large building projects.

SUPERVISING TERRESTRIAL ECOLOGIST

To direct a staff engaged in terrestrial ecology programs for industrial clients and electric utilities. Responsibility will cover proposing, designing, managing and evaluating all terrestrial studies.

SUPERVISING HYDROTHERMOLOGIST (OCEANOGRAPHER)

To head up a staff conducting nearshore field work involving diffusion studies, current and temperature monitoring, plus providing in-house data analysis and numerical predictions of heat dispersal from power plant cooling water.

SENIOR AIR QUALITY ENGINEER

To assess the potential impact on air quality of alternative configurations for smoke stacks, scrubbers, reheaters and cooling towers/ponds at proposed power plants; and, in accordance with air quality standards, recommending the most appropriate air quality control systems.

SENIOR WATER & WASTE MANAGEMENT ENGINEER

Based on evaluation of water and waste systems, must present alternative courses of action for treatment and re-use of industrial wastes. Will also develop conceptual design and recommend suitable waste processing equipment.

NUMERICAL ANALYST

To act as in-house consultant, providing experimental design for data collection and application of biometrics, multivariate methods, time series analysis, etc., to the analysis of environmental data.

For all of the above positions, one or more degrees in the appropriate engineering or scientific discipline and several years of pertinent experience are required. For the senior-level positions, functions will include preparation of environmental reports and liaison with regulatory agencies, including expert testimony in Federal and State hearings.

For consideration, forward your resume, including salary history, to: **Peter Domingo, Professional Employment, Dept. 204.**



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POSITIONS OPEN

CELL BIOLOGY

Positions at the staff scientist or senior scientist levels (assistant and associate professor equivalents) available in the areas of (i) eukaryotic genome structure and function, (ii) animal cell virology, (iii) developmental biology, and (iv) cell genetics and growth control. Emphasis will be on candidate's scholarship and scientific excellence rather than specific research interest. A minimum of 2 years of postdoctoral experience is required. Applicants should submit a curriculum vitae and the names of three individuals who can be contacted for letters of recommendation to: **Cell Biology Search Committee, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Massachusetts 01545.**

An Equal Employment Opportunity/Affirmative Action Employer

DEPARTMENT CHAIRPERSON ZOOLOGY

The Department of Zoology, University of Iowa, is seeking applicants for a senior position (associate professor or professor) who might also assume the duties of Department Chairperson upon the retirement from the Chair of Professor Jerry J. Kollros in June 1977. Appointment for June 1977 or at any time prior to then. Applicants in physiology, evolutionary biology, or cell biology will likely be given preference. Send résumé to **Paul J. Megrew, Department of Zoology, University of Iowa, Iowa City, Iowa 52242.** *An Equal Opportunity/Affirmative Action Employer.*

CHEMICAL OCEANOGRAPHER (ASSISTANT/ASSOCIATE PROFESSOR)

The School of Oceanography at Oregon State University announces a faculty position for teaching and research in such areas as: low-temperature-solution geochemistry or physical chemistry or organic chemistry of natural waters. Experience in the application of one or more of these specialties to research in oceanography or limnology and demonstrated capability to obtain research grants are required. Candidates must have a Ph.D. in chemistry, chemical oceanography or limnology, or geochemistry. Rank is dependent on qualifications. Apply before 15 April 1976 to **John V. Byrne, Dean, School of Oceanography, Oregon State University, Corvallis, Oregon 97331.** *An Affirmative Action/Equal Opportunity Employer.*

CHOLESTEROL METABOLISM. A position is available for a Ph.D. or M.D. with laboratory experience in cholesterol metabolism. Duties include overseeing two or more technicians, sterol analyses, and setting up new analytical methods. Would encourage and expect original research in cholesterol metabolism. Would work closely with director of a Clinical Research Unit. Send curriculum vitae and description of research interests to **Dr. C. D. Saudek, Cornell University Medical College, 1300 York Avenue, New York, N.Y. 10021.** *An Affirmative Action/Equal Opportunity Employer.*

COMPARATIVE BIOCHEMIST

Assistant professor (1 year only); Ph.D. biochemist with training and teaching experience in comparative biochemistry to help develop and teach new undergraduate course in comparative physiological chemistry. Position: September 1976 to June 1977 only; salary \$10,000. Submit curriculum vitae and references to **Professor Leon Goldstein, Division of Biomedical Science, Brown University, Providence, Rhode Island 02912.** *An Equal Opportunity Employer.*

EXTENSION SPECIALIST in agricultural chemicals. Rank equivalent to assistant professor. Will develop and implement statewide programs in agricultural chemicals, pesticide usage, and farm safety in cooperation with other specialists and governmental agencies. Ph.D. in physical or biological sciences or equivalent in experience required. Previous extension-type work and a knowledge of problems associated with the use of chemicals in agricultural production highly desirable. Send inquiries or applications with résumé and names of three referees to **Dr. J. W. Hylin, Agricultural Biochemistry, University of Hawaii, 1825 Edmondson Road, Honolulu, Hawaii 96822.** *An Equal Opportunity/Affirmative Action Employer.*

POSITIONS OPEN

COMPARATIVE VERTEBRATE PHYSIOLOGIST

The Department of Biology at Washington University (St. Louis) invites applications for a position at the level of assistant/associate professor beginning in September 1976. Duties include the development of a comparative vertebrate physiology course with lab for undergraduates, an advanced course for graduate students, and a research program in some field other than neurobiology.

Applicants should submit a curriculum vitae including publications list, and the names and addresses of three potential references. Letters of recommendation will be requested after a preliminary review of applications. Please contact:

Dr. Owen J. Sexton
Department of Biology, Box 1137
Washington University
St. Louis, Missouri 63130

Washington University is an Equal Opportunity/Affirmative Action Employer.

TRUDEAU INSTITUTE, INC. SARANAC LAKE, N.Y.

The position of **DIRECTOR** of the Trudeau Institute will become vacant on 1 July 1976. The Institute's present scientific activities concern the immunobiology of infectious diseases and cancer. The Board of Trustees wishes to continue its sponsorship of research in this general area and is seeking a director who has contributed significantly to these or related aspects of immunology. The post of director is tenured and a residence is provided. The Institute is privately endowed. Its well-equipped facilities are located on the wooded shores of Lower Saranac Lake. Applications, with appropriate supporting documents, should be sent to the Chairman of the Search Committee, and be addressed to: **Dr. James G. Hirsch, Rockefeller University, New York, N.Y. 10021.**

The Trudeau Institute is an Equal Opportunity Employer.

DIRECTOR, PHYSICAL THERAPY

Position available in the Department of Physical Medicine and Rehabilitation, University of Michigan Medical School. Applicant should have Ph.D. or equivalent degree with experience in physical therapy education. Code # 300H0. Send résumé to **Box 101, SCIENCE. A Nondiscriminatory, Affirmative Action Employer.**

The Department of Pharmacology of the College of Physicians and Surgeons, Columbia University, is seeking a **DIRECTOR** of the Division of Clinical Pharmacology and invites applications from individuals trained in clinical pharmacology who hold the M.D. or M.D. and Ph.D. degrees, who have demonstrated outstanding abilities in research and teaching in clinical pharmacology, and who would qualify for a joint academic appointment in pharmacology and an appropriate clinical department. Applicants will be judged in terms of their published original research, their ability to obtain grant support, and their administrative skills. A qualified person interested in applying for this position should send a copy of his/her curriculum vitae, bibliography, a brief description of his/her research and teaching experience, a statement of career objectives, and the names of three people who might be asked to provide a letter of reference. All correspondence should be sent to:

Brian F. Hoffman, M.D.
David Hosack Professor of Pharmacology
and Chairman of the Department
College of Physicians and Surgeons
630 West 168 Street
New York, New York 10032

Columbia University is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION: BOTANY/ECOLOGY. The College of New Rochelle seeks a person to teach undergraduate courses in botany, environmental biology, and general biology, and to participate in the department's research seminar. Research facilities are available. Position open September 1976; assistant professorship; Ph.D. required. Send résumé to **Dr. Robert B. Reggio, Chairman, Department of Biological Sciences, College of New Rochelle, New Rochelle, New York 10801.**

An Equal Opportunity/Affirmative Action Employer

POSITIONS OPEN

ECOLOGIST AND BIOSTATISTICIAN

Research positions available to Ph.D.'s in the life sciences or statistics. Publications and U.S. citizenship required. Must be able to work on team projects oriented toward field studies of elemental cycling in terrestrial or aquatic communities. Experience with multivariate and modeling techniques desirable for the biostatistician. Salary negotiable on a 12-month appointment. Send curriculum vitae, three letters of recommendation, and other supportive information by 1 April 1976 to:

M. H. Smith
Savannah River Ecology Laboratory
Drawer E
Aiken, S.C. 29801

An Equal Opportunity/Affirmative Action Employer

EPIDEMIOLOGIST: Seek recent M.D., Ph.D., or equivalent degrees for appointment as assistant professor of epidemiology to begin in 1976-77 academic year. Salary is negotiable within the assistant professor range according to qualifications. Prefer research and teaching experience representative of one or more of the following areas: genetic, occupational, and/or environmental determinants of disease distributions; or development of epidemiological models applicable to acute and/or chronic diseases. *The University is an active Affirmative Action Employer. Minority and women candidates are urged to apply.* Submit curriculum vitae, transcripts, publications, names and addresses of three reference persons, and a brief description stating research and teaching interests to: **Dr. W. C. Reeves, School of Public Health, University of California, Berkeley, California 94720.** Application review will begin 15 April 1976.

FACULTY POSITION

Opening for a faculty position is anticipated in September 1976 or January 1977. Candidates who have demonstrated productive research in the area of regulatory mechanisms in prokaryotes and who have some teaching experience are invited to apply. Rank of appointment dependent on the individual's qualifications. Send curriculum vitae, brief statement of research plans, and three letters of reference to: **Dr. Hiroshi Mizukami, Chairman, Division of Regulatory Biology and Biophysics, Department of Biology, Wayne State University, Detroit, Michigan 48202.**

An Equal Opportunity/Affirmative Action Employer

FACULTY VACANCY IN THE DEPARTMENT OF ANATOMY AT GEORGE WASHINGTON UNIVERSITY MEDICAL CENTER

On 1 July 1976 there will be a vacancy in the Department of Anatomy for an assistant or associate professor. The teaching responsibilities will be in the field of gross anatomy. Independent research will be encouraged in embryology or the neurosciences. All applicants should have the M.D., or Ph.D. degree in anatomy.

Candidates should submit their curriculum vitae and bibliography to **Dr. Richard Snell, Professor and Chairman, Department of Anatomy, 2300 Eye Street, NW, Washington, D.C. 20037.** *The George Washington University is an Equal Opportunity Employer.*

DEPARTMENT HEAD OF BOTANY

This position will bear the rank of full professor. Applications are invited from persons qualified by experience in education and success in research. Dynamic leadership and administrative skill are sought for the purpose of developing excellence in teaching and research programs. Submit curriculum vitae and three references to: **Chairperson of Search Committee, Department of Botany, University of Wyoming, Laramie, Wyoming 82071.** *Equal Opportunity/Affirmative Action Employer.*

SOCIOLOGY DEPARTMENT HEAD—University of South Carolina invites applications for head of 20-person Sociology Department. Duties include administration of department and some teaching. Salary competitive. Send inquiries and/or curriculum vitae, names of referees, copies of publications, and description of interest to: **Search Committee, Department of Sociology, University of South Carolina, Columbia, South Carolina 29208.** Begin 1 September 1976. *South Carolina is an Equal Opportunity Employer.*

POSITIONS OPEN

HEAD OF DEPARTMENT OF PSYCHIATRY

Applications are invited from psychiatrists for position as professor and head of the Department of Psychiatry, University of Connecticut Health Center, Farmington, Connecticut. Interested individuals should send copies of their curriculum vitae and bibliography to: **Dr. R. L. Volle, Chairman, Psychiatry Search Committee, University of Connecticut Health Center, Department of Pharmacology, Farmington, Conn. 06032.**

An Equal Opportunity/Affirmative Action Employer.

DEPARTMENT HEAD, BIOLOGICAL SCIENCES

Applicants should possess a doctorate in one of the life sciences, have demonstrated scholarship in teaching and research, and have shown evidence of administrative and leadership capabilities. Applications must be received by 15 April. Position to begin 1 September 1976. Submit curriculum vitae and four letters of recommendation to:

Dr. Richard F. Nelson
Attention: Chairman, Screening Committee
Biological Sciences Department
California Polytechnic State University
San Luis Obispo, California 93407

An Equal Opportunity/Affirmative Action Employer

IMMUNOLOGIST OR MICROBIOLOGIST to chair and develop a newly oriented department at the University of Kentucky College of Medicine. The major teaching responsibility of the Department will be in the areas of immunology and microbiology. Applicants must have an active program and strong interests in basic research. Reply to: **Robert L. Lester, Department of Biochemistry, University of Kentucky Medical Center, Lexington, Kentucky 40506.** *The University of Kentucky is an Equal Opportunity/Affirmative Action Employer.*

LAB ANIMAL VETERINARIAN

Faculty position for Board-eligible or -certified D.V.M. in Laboratory Animal Medicine at University of Tennessee Memorial Research Center, 1924 Alcoa Highway, Knoxville, Tenn. 37920. Accredited animal facility. Send curriculum vitae, list of publications, and names of three references to **Dr. C. C. Congdon.** *An Equal Opportunity/Affirmative Action Employer.*

MICROBIOLOGIST/IMMUNOLOGIST. M.D./Ph.D. with postdoctoral experience for assistant professorship that includes participation in the educational program of the Medical Center and of the Graduate School and in independent research. Interest in the biology of pathogenic bacteria or viruses is preferred but those with other interests considered. Send curriculum vitae, three references, and outline of professional interests before 31 March 1976 to: **Dr. William D. Sawyer, Department of Microbiology, Indiana University School of Medicine, 1100 West Michigan, Indianapolis, Indiana 46202.** *An Affirmative Action/Equal Opportunity Employer.*

ORGANIC MARINE CHEMIST

The Rosenstiel School of Marine and Atmospheric Science of the University of Miami is seeking candidates for a position as assistant or associate professor in the chemical oceanography division. Teaching and research duties in the general area of organic compounds in marine systems. Send curriculum vitae and names of references to:

Chairman, Division of Chemical Oceanography
RSMAS, University of Miami
4600 Rickenbacker Causeway
Miami, Florida 33149

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

27 FEBRUARY 1976

POSITIONS OPEN

NATURAL OR BIOSCIENCES TEACHING AND RESEARCH FACULTY

Applications are invited for the positions of **post-doctoral fellow, assistant, associate, and full professors** in the natural or biosciences areas at the newly established Basic Medical Sciences Campus of the Northeastern Ohio Universities College of Medicine, operating in concert with the University of Akron, Kent State University, and Youngstown State University.

Candidates for postdoctoral fellow, assistant, associate, and full professor positions must be qualified scientists with the M.D. or Ph.D. degrees in the natural or biosciences and experience in teaching and research in any one or more of the following areas: molecular pathology, biochemistry, bio-organic chemistry, molecular spectroscopy (particularly mass spectroscopy and nuclear magnetic resonance), bio-analytical (clinical) chemistry, and biophysical and theoretical chemistry.

Successful candidates will participate in the development and teaching of the basic medical sciences curriculum for medical students, in supervising graduate students, and in research.

Salary and academic rank are commensurate with experience, educational background, and scholarly contributions. Candidates are invited to send the curriculum vitae to **Robert A. Liebelt, Ph.D., M.D., Dean, Northeastern Ohio Universities College of Medicine, Box 325, Kent, Ohio 44240.** *An Equal Opportunity/Affirmative Action Employer.*

NEUROCHEMIST

Squibb, a worldwide leader in the pharmaceutical and proprietary drug field, has an opening in its pharmacology department for a neurochemist.

Responsibilities of the position will include participation in drug development, collaboration in studies of biochemical correlates of neurophysiology and behavior, and the study of the basic biochemistry of the central nervous system. A strong interest or experience in the neurochemical effects of psychoactive agents as well as a Ph.D. degree is essential.

Interested candidates are invited to forward their résumé, including salary requirements, to the **Recruitment Manager, Department M.E.G., E. R. Squibb & Sons, Inc., P.O. Box 4000, Princeton, New Jersey 08540.**

An Equal Opportunity Employer, M/F

PHARMACOLOGIST (D.D.S., Ph.D., or Ph.D.): The Department of Oral Biology, College of Dentistry, University of Kentucky, invites applications for a full-time pharmacologist. Opportunity for teaching, research, and service in a modern, progressive, Medical Center environment. Address replies, including a curriculum vitae, to **Dr. Gerald I. Roth, Chairman, Department of Oral Biology, College of Dentistry, University of Kentucky, Lexington, Kentucky 40506.** *The University of Kentucky is an Affirmative Action/Equal Opportunity Employer.*

- 1) PHYSICAL OCEANOGRAPHER
- 2) ENVIRONMENTAL ENGINEER
- 3) MICROBIOLOGIST/BOTANIST

Faculty positions open September 1976 teaching undergraduates in 2- and 4-year technical programs. Small private college in Florida. Recent grads (M.S. or Ph.D.) considered for (2) and (3) above. Oceanographer will also have some administrative duties. Submit résumé including details of educational and professional background and teaching interests to:

Box 100, SCIENCE

PHYSICIAN INTERESTED IN DRUG THERAPY

A position is available at the assistant or associate professor level for a physician with a background in pharmacology, biochemistry, epidemiology, or any other appropriate discipline who will participate in a broadly based program in clinical pharmacology in the Department of Pharmacology and at the hospitals affiliated with the Harvard Medical School. *The University is an Affirmative Action/Equal Opportunity Employer. Minority or women candidates are encouraged to apply.* Candidates should submit a curriculum vitae, three letters of reference, and a brief description of their interests and proposed activities to: **Dr. Peter Goldman, Maxwell Finland Professor of Clinical Pharmacology, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.**

POSITIONS OPEN

PHYSICIANS (MULTIPLE OPENINGS) FDA/BUREAU OF DRUGS

Immediate career Civil Service openings for physicians to evaluate clinical data of new drugs. Physicians function as leaders of multidisciplinary review teams reviewing New Drug Applications (NDA's) and Notices of Claimed Investigations Exemptions for New Drugs (IND's). They participate in formulating policy and developing standards and guidelines for the study of new drugs. Positions are available in most specialties with most immediate needs in fields of endocrinology, cardiology, gastroenterology, rheumatology, psychiatry, and anesthesia.

The positions require judgment, ability to plan and organize work, effectiveness in writing, speaking, and interpersonal skills. The positions provide security, good salary, comprehensive fringe benefits, ongoing contacts with professional colleagues and provision for maintaining clinical expertise. Must be U.S. citizens. Eligibility based on Civil Service Regulations. Salary approximately \$33,126 to \$37,800 a year. *Equal Opportunity Employer.* Send résumé to: **FDA Personnel (Frank Mischou), Room 4B-44, 5600 Fishers Lane, Rockville, Maryland 20852.**

PHYSIOLOGIST

Applications are invited for a faculty position in physiology preferably at the assistant professor level to be filled by 1 September 1976. Preference will be given to candidates with research interests in those areas of neurobiology or endocrinology which would complement or add to our existing strength. Candidates must have had postdoctoral experience, have demonstrated exceptional research talent, and be capable of initiating a high-quality, upper-level undergraduate course in physiology. Applicants should send (before 8 March 1976) a curriculum vitae, including the names of three referees, and sufficient supporting material for an adequate preliminary evaluation of his/her potential in both teaching and research to **Professor Struther Arnett, Head, Department of Biological Sciences, Purdue University, West Lafayette, Indiana 47907.** *Purdue University is an Equal Access/Opportunity Employer.*

The Academy of Natural Sciences of Philadelphia announces a Bicentennial Symposium 18 to 21 April 1976

CHANGING SCENES IN THE NATURAL SCIENCES 1776-1976

A series of distinguished biologists will present papers on evolution, genetics, ecology, and behavior. Speakers include R. D. Alexander, W. J. Ewens, E. B. Ford, D. R. Goddard, E. Goffman, W. D. Hamilton, J. L. Harper, R. A. Hinde, G. E. Hutchinson, D. H. Janzen, R. M. May, E. Mayr, R. T. Paine, R. Patrick, P. H. Raven, H. L. Sanders, A. C. Wilson, E. O. Wilson, and delegates from the world's distinguished scientific academies and royal societies.

For information and registration materials write **Dr. Clyde E. Goulden, Chairman, Bicentennial Committee, Academy of Natural Sciences, 19th and The Parkway, Philadelphia, Pennsylvania 19103.**

POSITIONS OPEN

PEDIATRICIANS AND INTERNISTS

HMO in greater Houston, opening July 1976, seeks well-qualified pediatricians and internists, chiefly for primary care. Personal interview necessary, travel funds provided. **The Community Health Association, P.O. Box 35746, Houston, Texas 77035. Telephone: 713-771-4326.**

Additional **POSITIONS** available in expanding medical school:

Anatomy Department—assistant professor
Pharmacology Department—assistant professor
Physiology Department—associate professor/professor

Applicants should have postdoctoral experience, teaching ability, and the capability of pursuing scholarly research. Initial inquiry with curriculum vitae should be sent to the **Chairman of the appropriate department.**

School of Medicine
East Carolina University
Greenville, N.C. 27834

An Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL BIOCHEMIST

Opening for recent Ph.D. with experience in enzymology or protein chemistry to study the regulation of the pyrimidine biosynthetic pathway in human bladder carcinoma cells maintained in tissue culture. Available April: \$12,000 to \$14,000 per year. Send curriculum vitae and three references to **Dr. David R. Evans, Department of Urology, Research 208, Massachusetts General Hospital, Boston, Mass. 02114.**

POSTDOCTORAL POSITION

Postdoctoral position is available immediately for a period of up to 3 years for training in research on cell surface receptors for melanocyte stimulating hormone. Send curriculum vitae, list of publications, and three letters of recommendation to: **Dr. J. M. Varga, Department of Dermatology, Yale University School of Medicine, 333 Cedar Street, New Haven, Connecticut 06510.**

POSTDOCTORAL POSITION

Biochemist to investigate: (i) control of the cytoplasmic synthesis, transport, and extracellular assembly of polysaccharides in cell walls of algae or (ii) control of the synthesis of storage proteins in higher plant embryos.

Oregon State University subscribes to a policy of active recruitment of women and ethnic minority persons and invites all interested and qualified persons to apply with résumé and references to:

Dr. Ralph S. Quatrano
Department of Botany and Plant Pathology
Oregon State University
Corvallis, Oregon 97331

POSTDOCTORAL POSITION. Membrane lipid biochemistry as related to genetic diseases of muscle. Experience with relevant methodology desired. Available 1 July 1976. Please send résumé and names of two references to **Dr. John Howland, Department of Biology, Bowdoin College, Brunswick, Maine 04011. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION (2 years) to participate in research on endocrine control of circadian rhythms in cartilage and bone tissues. Experience in morphological, biochemical, and physiologic aspects of hard tissue metabolism desired. Available 1 March 1976. Send curriculum vitae, summary of current research, and two letters of recommendation to **Dr. David J. Simmons, Division of Orthopedic Surgery, Washington University School of Medicine, St. Louis, Missouri 63110. An Equal Opportunity/Affirmative Action Employer.**

POSTDOCTORAL POSITION IN STEROID BIOCHEMISTRY. Position available 1 May 1976. Two-year appointment. Topic is deuterio-steroid-protein interaction. Experience in synthetic organic chemistry essential. Interest in metabolism of steroids and protein purification useful. Send résumé to **Devin MacQueen, Harvard Medical School Personnel Office, 25 Shattuck Street, Boston, Mass. 02115. An Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

POSTDOCTORAL RESEARCH ASSOCIATE

A position is available for research on the biochemistry and physiology of mammalian protein hormones. Background in protein chemistry is essential and knowledge of reproductive endocrinology is desirable. Send curriculum vitae and three letters of recommendation to: **Dr. Frank Talamantes, Thimann Laboratories, University of California, Santa Cruz, Calif. 95064.**

Two **POSTDOCTORAL RESEARCH ASSOCIATE** positions: available starting 1 June 1976.

Embryology-Teratology. Investigations of normal and abnormal craniofacial development in vivo and in vitro (organ culture, LM, TEM, SEM).

Materials Science. Evaluation of the relationships between the composition, structure, and clinical performance of ceramic and polymer matrix composites as bio-implants. Techniques include LM, SEM, and microprobe.

Applicants should have relevant experience but training can be given in deficient areas. Address curriculum vitae immediately to: **Albert Windham, Executive Officer, Dental Research Center, University of North Carolina, Chapel Hill, N.C. 27514.**

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

POSTGRADUATE RESEARCHER in molecular biophysics. Spectroscopic studies (natural and magnetic circular dichroism, fluorescence, phosphorescence, action and difference spectroscopy) of cytochrome P-450 and other proteins. The position also involves participation in the department's teaching program. *Applications from qualified candidates are welcome; women and minorities are encouraged to apply.*

Send curriculum vitae to **Dr. J. C. Sutherland, Department of Physiology, College of Medicine, University of California, Irvine, Irvine, California 92717.**

PRE- AND POSTDOCTORAL POSITIONS

In oncology, immunology, microbiology, molecular and cellular biology. Available: July to September 1976. Prerequisites: U.S. citizen, B-plus average, high GRE scores, and publications (Ph.D.'s only). Inquiries to: **Dr. Sheldon Dray, Head, Department of Microbiology, University of Illinois Medical Center, P.O. Box 6998, Chicago, Illinois 60680.**

RESEARCH ASSOCIATE

Research associate position is available for person with a Ph.D. in biochemistry or pharmacology and who is interested in structure and function of membranes and/or metabolism of neurotransmitters and psychotropic drugs. Experience in GLC analysis is desirable. Send résumé and two letters of reference to **Eric G. Brunngraber, Ph.D., Department of Psychiatry, School of Medicine, University of Missouri-Columbia, Missouri Institute of Psychiatry, 5400 Arsenal Street, St. Louis, Missouri 63139. Equal Opportunity Employer.**

RESEARCH AND DEVELOPMENT: Ph.D. or M.S. level with experience in immunochemistry to participate in the development of diagnostic reagents. Please send curriculum vitae to **Ella Geddes, Employment Manager, Princeton Laboratory Products Company (Division of Carter Wallace Inc.), Box 512, Princeton, N.J. 08540.**

SYSTEM ENGINEER OR BIOLOGIST required as research associate to apply systems analysis to the behavior of plants under stress. In particular, an experimental and theoretical analysis is to be performed of the behavior of stomata as regulators of water loss and CO₂ uptake. A computer-controlled system already exists allowing the manipulation of the plant's environment in relation to the plant's behavior. Formal training in systems analysis (data monitoring and processing, identification and optimal control theories, spectral analysis, digital simulation) is expected. An academic involvement with the Michigan State University Department of Electrical Engineering and Systems Science can be arranged.

Professor Klaus Raschke, MSU/ERDA Plant Research Laboratory, Michigan State University, East Lansing, Michigan 48824.

Michigan State University is an Equal Opportunity Employer.

POSITIONS OPEN

Postdoctoral Positions open in respiration physiology. \$10,000 per year plus fringe benefits. Intensive research training in several areas of respiration under guidance of a team of physiologists, biochemists, and clinicians. Open to Ph.D. and to M.D. Information: **Dr. M. Jaeger, Department of Physiology, College of Medicine, University of Florida, Gainesville, Florida 32610. Telephone: 904-392-4483.**

SCIENCE

The Department of Biology, College of Science, Texas A & M University, College Station, Texas 77843, is accepting applications for four faculty positions for September 1976. One is for a **professor or visiting professor**, teaching and scientific specialty open. A second is for an **assistant professor** in the area of cellular-molecular biology, who is qualified to teach cellular biology. A third is for an **assistant professor** in the area of physiology, who is qualified to teach general physiology and cellular biology. This position also requires that major emphasis be placed on the administration of undergraduate programs and the advising of undergraduate students. Candidates for these positions should have a Ph.D. with a minimum of 1 year of experience or postdoctoral work. High-quality research and teaching will be expected of those appointed. The fourth position is for a lecturer qualified to teach general biology. Candidates for this position must have a Ph.D.; salary \$10,125. Time for postdoctoral research will be available in collaboration with one or more faculty members. For all positions, send complete curriculum vitae plus letter of recommendation to **Chairman, Search Committee, Texas A & M University is an Affirmative Action/Equal Opportunity Employer.**

COLD SPRING HARBOR LABORATORY

Wishes to appoint a **Senior staff investigator** whose research interests lie in the field of virus-coded proteins, to start 1 September 1976.

The laboratory presently comprises a number of groups working on the molecular biology of human adenoviruses. The appointee will be expected to form a new group that can both complement and collaborate with those already in existence.

Applications are invited from persons with postdoctoral experience in analysis of protein structure and function. Familiarity with microtechniques is particularly desirable, although previous experience with viruses is not essential.

Please send a curriculum vitae together with the names of three references by 15 March 1976 to:

Dr. J. D. Watson
Cold Spring Harbor Laboratory
P.O. Box 100
Cold Spring Harbor
New York 11724

The Laboratory strongly urges applications from males and females of all races and national or ethnic origin.

TOXICOLOGIST

Ph.D. in mammalian toxicology or pharmacology with up to 3 years of postdoctoral experience. Immediate responsibilities will include preparing authoritative and critical scientific reviews of the literature relating to environmental and industrial toxicology. Strong communication skills with a sound knowledge of literature sources required. The ability to develop and supervise laboratory research projects, including business activities involving significant sponsor/customer contact, is also essential. This position offers ample opportunity for growth and is ideally suited to a professional with the ability and desire to make independent technical decisions.

Please send résumé including salary history, in confidence, to: **Personnel Manager,**

SYRACUSE UNIVERSITY
RESEARCH CORPORATION
Merrill Lane
Syracuse, N.Y. 13210

An Equal Opportunity Employer, M/F/H

GRANTS and CONTRACTS ADMINISTRATOR

Applications are invited for the position of

GRANTS and CONTRACTS ADMINISTRATOR

at the University of Massachusetts
MEDICAL SCHOOL

The applicant must be familiar with biomedical research and operations of federal and private granting agencies, and will be expected to assist faculty in obtaining appropriate support for training and research programs. Administrative experience is desirable.

Send curriculum vitae and references to:

Dr. H. Maurice Goodman
University of Massachusetts
Medical School
55 Lake Ave. N.
Worcester, Mass. 01605

An equal opportunity/affirmative action employer

The University of Western Ontario
Faculty of Science, Department
of Zoology

QUANTITATIVE ANIMAL ECOLOGIST

Applications are invited for a faculty position at the level of ASSISTANT, ASSOCIATE or FULL PROFESSOR, rank and salary commensurate with experience. CANDIDATES should have research interest and experience in ecological genetics, population dynamics or evolution of communities. The successful candidate will be expected to conduct an active research program, and teach at the undergraduate and graduate level.

Applications to:

Dr. Michael Locke
Professor and Chairman
Department of Zoology
The University of Western Ontario
LONDON, Ontario
N6A 5B7

Deadline for applications is May 1st, 1976

RESEARCH ASSOCIATE

— Sensory Evaluation

The Research & Development Department of an innovative company producing consumer products is seeking a creative scientist who can design and execute studies on a variety of problems related to sensory evaluation of products.

A broad scientific background is desirable with experience in laboratory techniques, sensory evaluation, experimental design and statistical evaluation.

Requires an advanced degree in a scientific field (physical, biological or social) and demonstrated ability to carry out research.

Salary to \$20,000.

Please send resume including salary history in confidence to Employment Manager.

Personal Products Div.
WARNER-LAMBERT CO.

10 Webster Road
Milford, Conn. 06460

An equal opportunity employer M/F

Clinical Validation Coordinator

Immediate opening for an individual with a background in physiology and some experience in the use of cardiovascular instrumentation or hospital/clinical experience with implantable products. Primary responsibility of this position is the design and implementation of protocol relative to the clinical validation of new products.

An advanced degree in the health sciences is preferred. One to three years of clinical/hospital experience with implantable products is desirable.

This unique position offers an excellent starting salary and complete company benefit program, including relocation and tuition aid.

For consideration forward your resume including salary requirements in confidence to Charles A. Francois, Professional Relations Representative.

Cordis Corporation

P.O. Box 370428, Miami, Fla. 33137

An Equal Opportunity Employer M/F

cordis.

Senior Scientist

BIOMATERIALS/PHYSIOLOGY RESEARCH

The IIT Research Institute seeks qualified applicants to perform research projects involving the application of biomaterials and physiology to device development related to artificial internal organs. The work will be carried out in our well-equipped, active laboratory currently heavily involved in reproductive and artificial internal organs research.

Requirements include Ph.D. with training or experience in biomaterials research and/or physiology; scientific training and experience in animal surgery; ability to utilize various devices in the process of formulating, initiating and developing creative new concepts for fertility control. Interest and experience in cardiovascular and reproductive physiology is highly desirable. Excellent communicative skills are required.

Responsibilities include the design of experiments, evaluation of devices for safety and efficacy in animals, evaluation and documentation of test results and research project management.

IIT Research Institute is an independent contract research organization serving industry and government. Its activities encompass nearly all of the physical, biological and social sciences and their related technologies.

Qualified applicants should forward resumes and salary requirements to Emma Waters

IITRI IIT
Research
Institute

10 West 35th Street, Chicago, Illinois 60616

An Equal Opportunity Employer M/F

POSITIONS OPEN

POSTDOCTORAL POSITION

Involving bioorganic clinical chemistry research available immediately for a protein biochemist.

Dr. Barry L. Karger
Professor of Chemistry
Department of Chemistry
Northeastern University
Boston, Massachusetts 02115
Telephone: 617-437-2864

PROFESSIONAL ASSISTANT AND POSTDOCTORAL positions in molecular genetics available to start 1 April 1976. Professional assistant—Ph.D., 2 years of postdoctoral with background in microbial genetics, nucleic acid enzymology, or electron microscopy. Salary: \$12,900. Postdoctoral fellow—salary: \$11,200. Interested in joining a group studying problems of phage morphogenesis, DNA packaging and maturation, genetic recombination, and control of gene expression. Send résumé and reference letters to **Dr. M. Pearson, Department of Medical Genetics, University of Toronto, Toronto, Canada, M5S 1A8.**

SCIENTIFIC ASSISTANT

Individual with a degree in pharmacology or biochemistry to assist in the preparation of literature reviews on the safety of flavors as food additives. Full-time position in Washington, D.C., area. Send résumé, indicating educational background, related experience, and salary desired to: **Flavor & Extract Manufacturers' Association, Attention: Dr. Richard A. Ford, 900 17th Street, NW, Washington, D.C. 20006.**

SEISMOGRAPHIC STATION University of California, Berkeley

A full-time academic position of research seismologist (assistant or associate level) will be available on 1 October 1976 to supervise the observational programs of the research unit. Duties will involve supervision of seismogram readings, estimation and dissemination of earthquake parameters, and development of the University seismographic network. In particular, applicants should have a strong background in earthquake seismology, data analysis techniques, and computer programming. The appointee will be required to assume responsibility for public relations. Excellent opportunities for personal research are available. Closing date is 15 May 1976. Send curriculum vitae and names of three references to: **Director, Seismographic Station, Earth Sciences Building, University of California, Berkeley, California 94720. The University of California is an Equal Opportunity/Affirmative Action Employer. Women and minority candidates are urged to apply.**

VERTEBRATE ZOOLOGIST

Applications for position of vertebrate zoologist with a background in physiology opening September 1976. Position and salary negotiable. Duties consist of conducting lectures and supervision of laboratories in the undergraduate course of vertebrate zoology, to engage in teaching in other sources applicable to training and to carry out a program of research in the field of specialization. Send letter of application, curriculum vitae, transcripts, and three letters of recommendation to **R. Barclay McGhee, Ph.D., Department of Zoology, University of Georgia, Athens, Georgia 30602. An Affirmative Action Employer.**

VETERINARY IMMUNOPATHOLOGIST. Career Civil Service position for Ph.D. veterinarian to conduct basic and applied research on the immunopathology, epidemiology, and control of lymphoid leukosis in chickens as part of a comprehensive, multidisciplinary, team-oriented program in avian viral oncology. Experience with immunology, RNA tumor viruses, and poultry diseases, proven research ability, and U.S. citizenship desirable. Available immediately to 1 June 1976. GS-12 to GS-13 (\$19,396 to \$22,906). Send résumé including a list of publications and references to **Dr. R. L. Witter, Director, Regional Poultry Research Laboratory, Agriculture Research Service, U.S. Department of Agriculture, 3606 East Mt. Hope Road, East Lansing, Michigan 48823. The U.S. government is an Affirmative Action/Equal Opportunity Employer.**

POSITIONS OPEN

PICOSECOND SPECTROSCOPY

Two postdoctoral positions. First requires experience with pulsed lasers, preferable picosecond techniques. Second requires research background in photosynthesis. Send résumé, summary of current research, and names of four references to **Dr. M. W. Windsor, Department of Chemistry, Washington State University, Pullman, Washington 99163** before 20 March 1976. *Equal Opportunity/Affirmative Action Employer.*

INSTITUTE

SIX-WEEK SUMMER INSTITUTE ON NERVE, MUSCLE, AND RECEPTOR CELL PHYSIOLOGY, 6 July to 12 August 1976 at Boulder, Colorado. The Institute is designed to introduce graduate students and postdoctoral fellows to the literature, theory, and experimental methodology of nerve, muscle, and receptor cell physiology. Faculty: L. D. Peachey, R. H. Adrian, M. Dubin, D. Moran, S. Roper, R. Martin. For application and information, write to: **P. Van Tuyl, Department of Molecular, Cellular, and Developmental Biology, University of Colorado, Boulder, Colorado 80309.**

COURSES

MARINE SCIENCE DUKE UNIVERSITY MARINE LABORATORY

Summer Courses—Graduate/Advanced Undergraduate. 14 June: marine ecology, invertebrate embryology, phytoplankton systematics, physiological ecology, chemical oceanography, marine phycology, electrobiology. 19 July: invertebrate zoology, environmental oceanography, microbiology, geological oceanography, comparative biochemistry, biological oceanography. Write **Director, Duke University Marine Laboratory, Beaufort, North Carolina 28516.**

FELLOWSHIPS

PREDOCTORAL FELLOWSHIPS in immunology and microbiology: A number of state graduate stipends (\$3960 per annum) are available for highly qualified applicants for study leading to the Ph.D. in immunology, virology, and microbiology. For information write to **Dr. H. H. Fudenberg, Professor and Chairman, Department of Basic and Clinical Immunology and Microbiology, Medical University of South Carolina, Charleston, S.C. 29401. An Equal Opportunity Employer.**

MACY SCHOLARSHIPS FOR BLACKS AND OTHER MINORITIES IN SUMMER COURSES AT THE

MARINE BIOLOGICAL LABORATORY

The Josiah Macy, Jr. Foundation has provided funds to defray the full cost (tuition, room, board) of a limited number of students in Marine Biological Laboratory courses. Special attention will be given to younger faculty members and students in 4-year black colleges. For applications and further information, write the **Admissions Office, Marine Biological Laboratory, Woods Hole, Mass. 02543,** or telephone **Dr. George Woodwell, at 617-548-3705. Marine Biological Laboratory admits students of any race, color, and national or ethnic origin.**

SUMMER RESEARCH FELLOWSHIPS FOR BLACKS AND OTHER MINORITIES AT THE MARINE BIOLOGICAL LABORATORY

The Josiah Macy, Jr. Foundation has provided funds to defray laboratory fees and housing costs (up to \$4500 each) for postdoctoral investigators for the summer of 1976 (and future summers). Special attention is to be given to younger faculty members of 4-year black colleges, who will be designated Macy Scholars. For applications and further information, write the **Admissions Office, Marine Biological Laboratory, Woods Hole, Mass. 02543,** or telephone **Dr. James D. Ebert, at 301-467-1414. Marine Biological Laboratory admits students of any race, color, and national or ethnic origin.**

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN CHEMICAL CARCINOGENESIS

Several full-time research fellowships available for immediate appointment for a 1-year term at \$12,000. Fellowships may be renewed for a second year. Major areas of current interest: (i) molecular aspects of carcinogenesis, (ii) endocrine aspects of carcinogenesis, (iii) in vitro carcinogenesis, (iv) mutagenesis and DNA repair, and (v) environmental carcinogenesis.

Applicants should send a curriculum vitae, the names of three professional references, and a brief statement of their research interests to:

Dr. William Lijinsky
Director of Chemical Carcinogenesis (elect)
Frederick Cancer Research Center
Frederick, Maryland 21701
An Equal Opportunity Employer, M/F

GRADUATE STUDY

GRADUATE STUDY IN ANATOMY UNIVERSITY OF ILLINOIS

Applicants are invited for enrollment in the graduate program in anatomy, leading to the Ph.D. degree and a career in teaching and research. Modern programs in electron microscopy, cell biology, neuroanatomy-neurophysiology, and functional morphology are offered. Teaching assistantships are available, with a stipend plus tuition costs. For application forms and further information write to: **Chairman, Graduate Studies Committee, Department of Anatomy, University of Illinois at the Medical Center, Box 6998, Chicago, Illinois 60680.**

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

PROGRAMS

EYE RESEARCH INSTITUTE OF RETINA FOUNDATION is accepting applications for its POSTDOCTORAL RESEARCH PROGRAM in the Department of Retina Research

The focus of the program is on experimental approaches to problems of the retina and the visual nervous system. Recent Ph.D.'s and M.D.'s who have backgrounds in biochemistry, biomedical engineering, biophysics, chemistry, electron microscopy, histopathology, immunopathology, electrophysiology, optics, pharmacology, surgery, or visual psychology are invited to apply. Full details of the program are set forth in a brief pamphlet that can be obtained by writing to:

**Director, Postdoctoral Research Program
Department of Retina Research
Eye Research Institute of Retina Foundation
20 Staniford Street
Boston, Massachusetts 02114**

MARKET PLACE

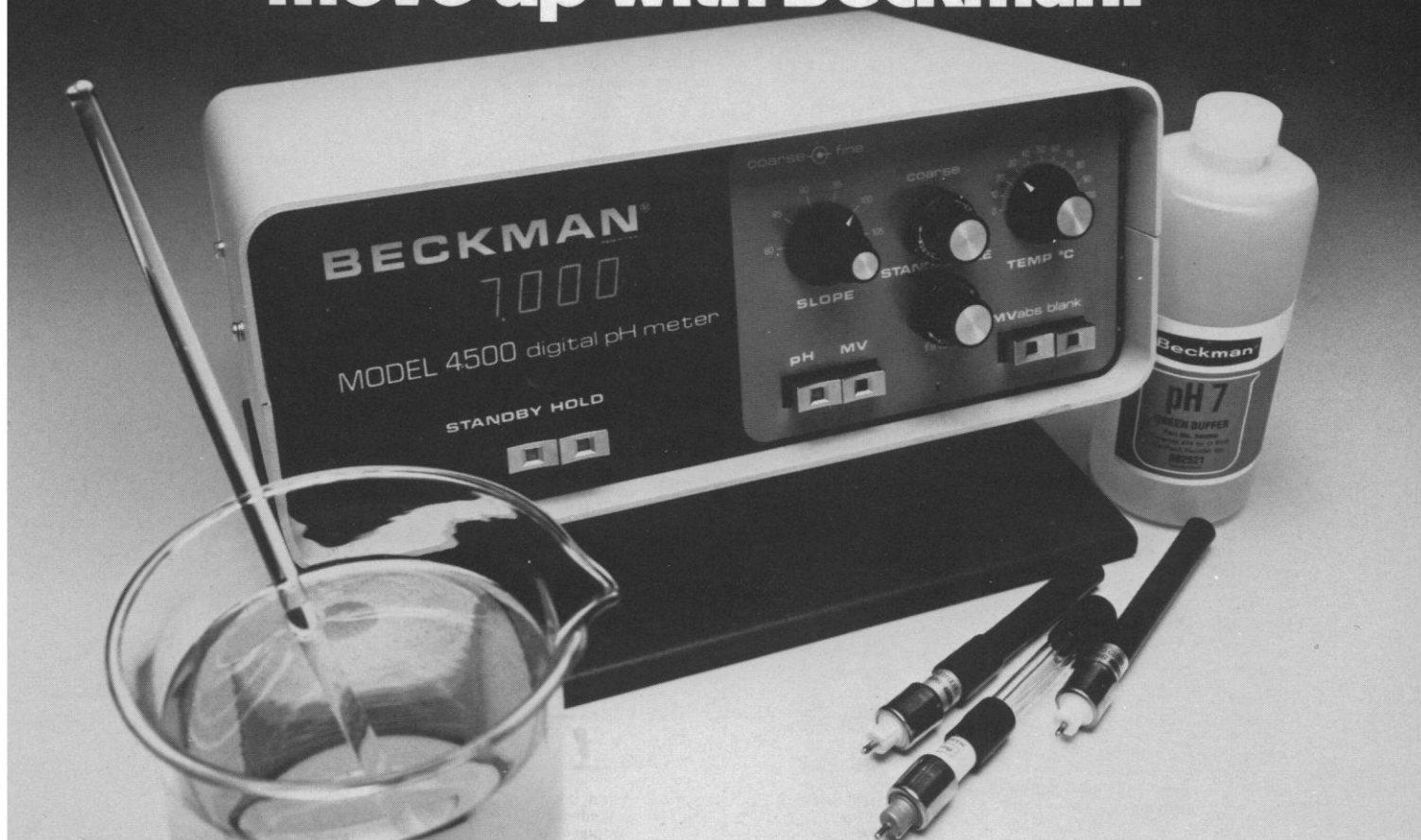
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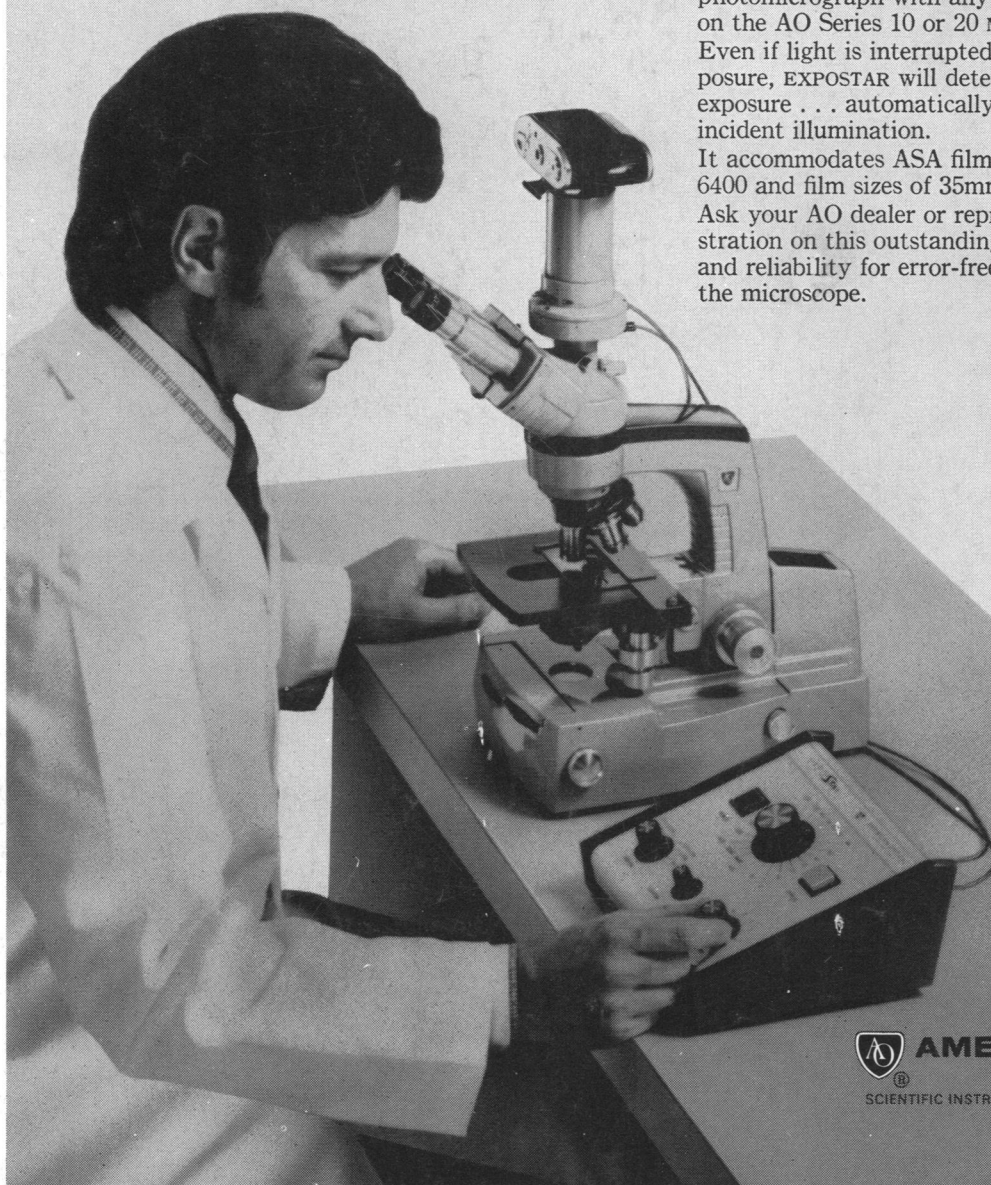
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