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- **ACADEMIC DEAN for profession college of 800 students. Must have earned doctorate in biological or health sciences plus academic administration exper-ience. PHYSIOLOGIST, Ph.D., renal or fluid systems will be given preference, to teach human physiol- ogy. Must have a strong background in health-re- lated sciences. Send curriculum vitae and names of three references to: Dr. Leonard E. Fay, Executive Vice President, National College of Chiropractic, 280 East Roosevelt Road, Lombard, Illinois 60148. Equal Opportunity Employer.**

- **ASSISTANT DEAN FOR MINORITY AFFAIRS The University of Utah College of Medicine is seeking a well-qualified person to work half time in administration and half time in academic pursuits. Clinical or research and training activities are required. Please forward curriculum vitae and letters of recommendation relating to this position to: Dean, the University of Utah, Room 1105. Salt Lake City, Utah 84132. Equal Opportunity Employer.**

- **The Division of Biomedical Engineering, University of Virginia, has an opening for an ASSISTANT PRO- FESSOR. The position involves teaching of advanced courses in instrumentation, supervision of the clinical apprenticeship in the master's program, as well as expansion of existing research programs in the area of instrumentation. Postdoctoral experience is required. An Equal Opportunity Employer. Send résumé to: Chairman, Biomedical Engineering, Box 224, Medical Center, University of Virginia, Charlottesv-ille, Va. 22901.**

- **ASSISTANT PROFESSOR IN BIOMEDICAL ENG- NEERING: Candidates are sought who have a Ph.D. or equivalent in engineering, biomedical engineer- ing, or related fields. Position involves teaching un- dergraduate and graduate-level courses in biomedical engineering and conducting research. Send résumé to: Chairman, Biomedical Engineering, Box 224, Medical Center, University of Virginia, Providence, Rhode Island 02912. Equal Opportunity/Affirmative Action Employer.**

- **CHEMISTRY—ASSISTANT PROFESSORS American University of Beirut, Beirut, Lebanon. Starting October 1976. Specializations: organic, in- organic, Physical Chemistry (experimental). Ph.D. required; postdoctoral experience highly preferred. Ability to contribute to teaching in lower division, upper division, and graduate level and to participate in departmental graduate research program. Salary dependent upon training and experience. Three-year appointment, round-trip transportation allowance. Send résumé to: Chairman, Department of Chemistry, American University of Beirut, 380 Madison A- venue, New York, N.Y. 10017, copy to: Personnel Services, American University of Beirut, 22nd Floor, same address. Equal Opportunity/Affirmative Action Employer.**

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THE UNIVERSITY OF TORONTO
ASSISTANT PROFESSOR IN BIOCHEMISTRY

Applications are invited for the position of assistant professor in the Department of Biochemistry to take effect from 1 September 1976 or as soon thereafter as possible. The position will be for 2 years with the possibility of renewal. The successful applicant will be required to take part in the teaching duties of the Department. Facilities for research will be available. The minimum salary for the position will be $15,000. Applicants with suitable qualifications should send a curriculum vitae and the names and addresses of three referees to Professor T. Hofmann, Chairman of Search Committee, Department of Biochemistry, University of Toronto, Toronto, Ontario, Canada M5S 1A8, to reach him not later than 15 August 1976.

**Positions Open**

**Agronomic Weed Scientist**

Applications are invited until 1 June 1976 for a 1-year appointment as visiting lecturer and research associate in weed science. Teaching one weeds course and one or two field management courses. Opportunity for research on herbicide effects on crop and weed plants. Please send curriculum vitae and three letters of recommendation to Dr. J. C. Engle, Department of Agronomy and Soils, Washington State University, Pullman, Washington 99163. Washington State University is an Equal Opportunity/Affirmative Action Employer.

**Assistant Professor of Anatomy**

Ph.D. in anatomy needed to teach medical, graduate, and some undergraduate courses. Primary responsibility will be to assist in medical gross anatomy and neuroanatomy. Collaborative or independent research is strongly encouraged. Must be available by 1 August 1976. If interested, send curriculum vitae, names of three references, and names of at least three references before 1 June 1976 to: Chairman, Anatomy Department, The University of South Dakota, Vermillion, South Dakota 57069.

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**Assistant Biochemist, permanent position immediately available; rank equivalent to assistant professor. Duties: To develop an independent research program having an agricultural orientation. Present departmental research includes programs in enzymology, toxicology, natural products, and pesticide residues. The position is limited to a particular expertise in biochemistry or related field. Apply by 24 May 1976 to Dr. J. W. Hylin, Agricultural Biochemistry, Box 240, California State Polytechnic University, Davis, Calif. 95616.


**Assistant Professor—Chemical Oceanographer.** Recent Ph.D.'s are invited to apply for a temporary (2-year maximum) position to replace a faculty member going on leave 1 July 1976. Should the latter not return, his replacement would be in a favorable position for consideration for a more permanent status. Send resume, three letters of reference prior to 1 June to: Edward J. Green, Department of Oceanography, University of Maine, Walpole, Maine 04575. Inquiries: telephone 207-563-3146. An Equal Opportunity/Affirmative Action Employer.

**Assistant or Associate Professor of Microbiology**

Applications are invited for individuals interested in a position as assistant or associate professor of microbiology available in Fall 1976. Each applicant should be prepared to develop a strong fundamental research program. He/she should submit a curriculum vitae, a list of publications and the names and addresses of at least three persons qualified to evaluate the applicant's research. Send application to Dr. Wai Mun Huang, Department of Microbiology, University of Utah, Salt Lake City, Utah 84132. An Equal Opportunity Employer.

**Assistant/Associate Professor—Physiology and Biophysics**

The Department of Physiology and Biophysics, University of Iowa College of Medicine, invites applications from well-qualified individuals for several openings at the assistant and associate professor level. Applicants must hold the M.D. and/or Ph.D. degree and have a minimum of 2 years of postdoctoral training in cellular physiology or biophysics with publications demonstrating productivity in original research. Candidates should be prepared to develop strong independent research programs and to participate in the medical and graduate teaching and doctoral training activities of the department. While a preference exists for individuals with well-defined interests and research accomplishments in membrane physiology and biochemistry, particularly cellular and molecular endocrinology, full consideration will be given to others showing promise of outstanding research and teaching missions of this department. Please send curriculum vitae, including bibliography and a brief description of current research interests, teaching experience, and career objectives, with names of at least three references to:

Dr. Robert E. Fellows
Department of Physiology and Biophysics
University of Iowa College of Medicine
Iowa City, Iowa 52242

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**Positions Open**

**Applied Microbiologist**

Quality Control

Applicants should have a Ph.D. and a broad background in microbiology with demonstrated research capabilities. Experience with heat, gaseous, or radiation sterilization desirable. Oral and written communication skills essential. Responsibilities include the design and development of methods for the rapid and automated detection of microbial contamination. The person taking this position will also be expected to contribute, through independent research, new knowledge on sterilization, disinfection, and control of microbial contamination in pharmaceutical products.

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We seek surgeons and physicians experienced in the treatment of burns and trauma for positions in the faculty of Cornell University Medical College and the professional staff of the New York Hospital at the New York Hospital–Cornell Medical Center. Please send résumé and bibliography to: Chairman, Department of Surgery, Cornell Medical College, 1300 York Avenue, New York, N.Y. 10021. An Equal Opportunity Employer, M/F.

**Cardio Thoracic Surgeon**

We seek a surgeon experienced in the treatment of cardiac thoracic disease for a position on the faculty of Cornell University Medical College and the professional staff of the New York Hospital at the New York Hospital–Cornell Medical Center. Please send résumé and bibliography to: Chairman, Division of Cardio Thoracic Surgery, 1300 York Avenue, New York, N.Y. 10021. An Equal Opportunity Employer, M/F.
BIOLGY CHAIRMAN: Small, liberal-arts college with strong commitment to excellence in undergraduate teaching seeks chairman of Biology Department. Position open to associate professor rank. Qualifications: Ph.D. in biology or M.D.; teaching, research, and/or administrative experience. Broad training desirable with a special emphasis in biochemistry, microbiology, genetics, or cellular/developmental biology. Salary negotiable and competitive. Equal Opportunity/Microscope Envy. Send resume and references to Dr. Donald Fiesche, Provost, Kalamazoo College, Kalamazoo, Michigan 49007.

CHAIRPERSON DEPARTMENT OF BIOMECHANICS

Applications are invited for the position of chairperson of the Department of Biomechanics in the Michigan State University College of Osteopathic Medicine. Also located on the Michigan State University campus are the College of Human Medicine, the College of Veterinary Medicine, the School of Nursing, the School of Medical Technology, among the many academic units within the university which provide broad-based programs to an enrollment of more than 40,000 students.

Applicants should:
1) Be osteopathic physicians or persons with an earned academic degree in the biomedical sciences;
2) Have administrative or academic experience to provide leadership in a growing department which has excellent facilities for teaching and research, and which now consists of ten basic scientists representing a variety of disciplines, and five osteopathic physicians; and
3) Be able to promote the development of both basic and clinical research, as well as educational activity pertinent to osteopathic medicine.

Salary will be negotiated. Submit letter of application and a curriculum vitae to:
John P. Goodridge, D.O., F.A.A.O.
Chairman Search Committee
Department of Biomechanics
College of Osteopathic Medicine
Michigan State University
East Lansing, Michigan 48824

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

DEAN SCHOOL OF ALLIED HEALTH SCIENCES THE UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

Nominations and applications are invited for the position of Dean of the School of Allied Health Sciences.

Qualifications desired include demonstrated academic, scholastic, and administrative abilities; the candidate should be concerned with relating the activities of the School to the needs of the health care system.

The University of Texas Health Science Center at Houston is located in Houston and includes the following: Medical School, Dental Branch, Graduate School of Biomedical Sciences, School of Public Health, School of Health Professions, Speech and Hearing Institute, and School of Nursing.

Nominations and applications should be submitted in writing by 1 June 1976 to:

Alfred G. Kaudson, M.D., Ph.D.
Dean of the Graduate School of Biomedical Sciences
Chairman, Search Committee for the Dean of Allied Health Sciences
Hermann Professional Building, Room 109
Houston, Texas 77030

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BIOCHEMIST POSTDOCTORAL POSITION

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CLINICAL PSYCHOLOGIST

The Department of Psychology at the State University of New York at Albany expects to make a senior appointment in clinical psychology at the level of assistant professor. Available 1 July 1976. Applications should contain a curriculum vitae and a list of four references to: G. G. Gallup, Jr., Chairman, Department of Psychology, State University of New York at Albany, Albany, New York 12222. The State University of New York at Albany is an Equal Opportunity/Affirmative Action Employer.

DEAN OF PHARMACY

The University of Arizona invites applications for the position of Dean. College of Pharmacy. Applicants should have earned a PhD degree; demonstrated capability for administration and management; knowledge about extramural sources of funding and support; sensitivity to balancing the needs of a Pharmacy College with those of the state in which it is located; and a willingness to maintain strong ties with registered pharmacists in the state through, but not limited to, programs in continuing education. Applicants should forward a curriculum vitae to Vice President for Health Affairs/ Arizona Medical Center, Tucson, Arizona 85724. The University of Arizona is an Equal Opportunity/Affirmative Action Employer under state and federal laws and regulations including Title IX, 1972 Education Amendment.

DEAN OF ARTS AND SCIENCES, the University of Akron, to begin September 1977. Qualifications sought include achievement in teaching, scholarship, and research, with demonstrated success in administration and contemporary environments. The person expected to teach undergraduate courses in environmental interpretation, conservation of natural resources, wildlife biology, and surveillance of contemporary environmental issues. The person hired is expected to participate actively in departmental and college-wide committees as well as professional organizations. Application must contain an earned doctorate in some phase of environmental biology, wildlife biology, or environmental science.

ENVIRONMENTAL OR WILDLIFE BIOLOGIST assistant professor level. The appointee will join a 19-member Biology Department and have primary responsibility for teaching and conducting counseling and research activities within the interdisciplinary environmental studies program. The appointee is expected to teach undergraduate courses in environmental interpretation, conservation of natural resources, wildlife biology, and surveillance of contemporary environmental issues. The person hired is expected to participate actively in departmental and college-wide committees as well as professional organizations. Application must contain an earned doctorate in some phase of environmental biology, wildlife biology, or environmental science.

Academic preparation in field-oriented courses within the biological and physical sciences is essential. Previous professional employment in some phase of environmental monitoring would be beneficial. Salary is commensurate with the applicant's education and experience within the parameters of the salary schedule for faculty in the School of Natural Resources (salary schedule is available upon request). This position is for one year's employment based on an academic year of 9 months. Based upon contractual restrictions, this position can lead to tenure at the end of one year. Send letter of application, letter of nomination, curriculum vitae, and names of three references by 1 July 1976 to: J. F. Fischer, Chairman, Department of Biological Sciences, University of Alaska, College of Science and Education, Fairbanks, Alaska 99701. An Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN MEDICAL MICROBIOLOGY. Applications are invited for a position of assistant professor, starting August 1976. Preference will be given to candidates with broad teaching experience, postdoctoral training, and research accomplishments. Responsibilities associated with this position include participation in teaching and research of pathogenic microbiology or of immunology, as well as of freshmen. The applicant will be expected to develop an active research capability as well as to be active in research. The candidate will also be expected to direct graduate students. Please send a curriculum vitae and the names of three references to: Dr. John L. Lauter, Chairman, Department of Biological Sciences, University of New Orleans, Louisiana 70122. (A member of the Louisiana State University System.) Equal Opportunity/Affirmative Action Employer.
The position of DIRECTOR of the Lowell Observatory, Flagstaff, Arizona, will be open on 1 July 1977. Applicants should write to Professor Michael C. J. Putnam, Sole Trustee, Lowell Observatory, Department of Classics, Brown University, Providence, Rhode Island 02912. Equal Opportunity Employer.

The Instituto de Química, Universidad Central de Venezuela, invites applications for one faculty position in GEOCHEMISTRY (low temperature) and another in GEOCHRONOLOGY (K-Ar). The Instituto de Química is devoted to research and teaching in the field of applied geochemistry. Salary commensurate with experience and qualifications. Send inquiries to: Dr. Carlos López Eyzaguire, Director Instituto de Química Facultad de Ciencias Universidad Central de Venezuela Apartado 10096 Caracas, Venezuela

HISTOLOGY LAB DIRECTOR AND TECHNICIAN

1) Scientist with Ph.D. and several years of experience to head service histology laboratory at private research institute. Must be versed in preparation of tissue, analysis of structure, and autoradiography with both light and electron microscopy. Must have experience working with neural tissue. Person will collaborate with other staff members on existing research projects. 2) Technician with at least 3 years of experience in areas specified above.

Salaries negotiable. Please send curriculum vitae and references to Dr. L. Raff-Lehrer, Eye Research Institute of Retina Foundation, Boston, Mass. 02114.

DIRECTOR

INSTITUTE OF MARINE SCIENCE

UNIVERSITY OF ALASKA

The University of Alaska-Fairbanks seeks applications for the position of Director, Division of Marine Science and Institute of Marine Science. Qualifications sought are a doctoral degree or its equivalent in experience or training; leadership in interdisciplinary research management; experience in dealing with federal, state, and industrial funding sources; as well as a knowledge of general university budgetary and financial operations. Also desired is a distinguished research record in ocean or aquatic science and technology as well as experience in teaching and research direction at the graduate level. The Division has a full-time faculty of 20 and a graduate student enrollment of 35. Applications or nominations with biographical and other pertinent information should be sent before 15 June 1976 to the chairman of the search committee: Dr. Frank Darnell CNER University of Alaska Fairbanks, Alaska 99775

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

The Deep Sea Drilling Project, Scripps Institution of Oceanography, University of California, San Diego, is currently seeking to fill positions for qualified EARTH SCIENTISTS. Several positions exist as project staff scientists who will engage in pre-Fourier scientific research. Appointment anticipated in the assistant through associate professional research series; salary commensurate with experience. Ph.D. in earth sciences required for all positions. Please send completed résumé and names of at least three references to Dr. David G. Moore, Deep Sea Drilling Project, P.O. Box 1529, La Jolla, California 92037.

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

The College of Veterinary Medicine, University of Illinois, is accepting applications for the position of Associate Director, Department of Veterinary Anatomy, Physiology and Pharmacology.

DUTIES: Lead and direct departmental activities associated with professional and graduate teaching, research, and service.

REQUIREMENTS: D.V.M. or equivalent; Ph.D. in anatomy, physiology, pharmacology, or related fields; knowledge of federal, state, and administrative regulations and policies; ability to plan and supervise junior faculty; experience in teaching and research.

SALARY: Negotiable.

STARTING DATE: Negotiable. Position is permanent and funded.

DEADLINE FOR SUBMISSION OF APPLICATIONS: 30 June 1976.

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

CONTACT: Dr. P. J. Dziuk, Office of the Dean, College of Veterinary Medicine, University of Illinois, Urbana, Illinois 61801. Telephone 217-333-2901 or 217-333-2760.

The Department of Microbiology, College of Medicine, is seeking an IMMUNOLOGIST to fill a faculty position at a professional level commensurate with experience and accomplishments. To provide basic and applied research in the ongoing immunology program here, the applicant's major area of interest should be in immunology. Duties include teaching the medical and graduate students and pursuing of an active and productive research program. Preference is given to applicants with evidence of independent and significant research productivity. Send curriculum vitae and list of three references to: Dr. David Bylund, Department of Microbiology, College of Medicine, University of Arizona, Tucson, Arizona 85724. An Equal Opportunity/Affirmative Action Employer under federal and state laws and regulations including Title IX, 1972 Education Amendments.

INVERTEBRATE PHYSIOLOGIST

The Division of Biology, State University of New York at Buffalo, has a visiting assistant professor position for an invertebrate physiologist with research interest in neurobiology. The candidate will be expected to take part in lower- and upper-division physiology courses and a graduate course in the area of specialization, to begin fall 1976. Salary dependent upon experience. Postdoctoral experience preferred. Send résumé and three letters of reference by 1 June 1976 to: Dr. J. Claude Bennett, Chairman, Department of Microbiology, University of Alabama in Birmingham, University Station, Birmingham, Alabama 35294.

An Affirmative Action/Equal Opportunity Employer

The Department of Microbiology at the University of Alabama in Birmingham Medical Center invites applications for a JUNIOR FACULTY POSITION in the field of microsequence techniques, particularly as applied to solid-phase protein sequencing. Applicant must have Ph.D. or equivalent and several years of experience in the field. Send complete curriculum vitae and three letters of reference by 1 June to Dr. J. Claude Bennett, Chairman, Department of Microbiology, University of Alabama in Birmingham, University Station, Birmingham, Alabama 35294.

An Affirmative Action/Equal Opportunity Employer

LECTURER IN INVERTEBRATE ZOOLOGY, to teach embryology or developmental zoology, participate in lectures, laboratory courses, and develop an invertebrate zoology program attractive to graduate students; starting 1 September 1976. Salary range US$10,000 to US$16,400 per annum, superannuation, medical benefits, long leave, passage, children's educational allowance, and housing for overseas appointees.

Curriculum vitae, one-page statement of current and projected activities, and names of three referees should be sent by 10 June 1976 to Registrar, New Asia College, The Chinese University of Hong Kong, Shatin, Hong Kong.
POSITIONS OPEN

Rosenstiel School of Marine and Atmospheric Science, Division of Marine Geology and Geophysics, University of Miami, seeks a person with qualifications in marine geology to join the faculty, with responsibilities for some teaching and the development of a marine geophysics program. Applicants should send a vita and two letters of recommendation to Dr. C. G. A. Harrison, Rosenstiel School of Marine and Atmospheric Science, P.O. Box 4060, Rickenbacker Causeway, Miami, Florida 33149. The University of Miami is an Equal Opportunity/Affirmative Action Employer.

NEUROBIOLOGIST—The Department of Anatomical Sciences has an immediate opening at the assistant professor level for a neurobiologist with an active research program in the structure and function of mammalian nervous system. Teaching responsibilities include neuroscience for medical and dental students and participation in the university-wide graduate neuroscience training program. Excellent research facilities available. Reply with curriculum vitae to: Dr. Maynard M. Dewey, Chairman, Department of Anatomical Sciences, Health Sciences Center, State University of New York, Stony Brook, New York 11794. Applications from women and members of minority groups are encouraged.

PATHOLOGY POSITIONS available: Department of Pathology, Louisiana State University School of Medicine—Shreveport. Academic pathologists with surgical pathology background and special interests needed. Board certification and/or specialty fellowship training necessary. Should be Board-certified. Interested pathologists considered at any academic level. Inquiries and curriculum vitae to: Dr. A. E. Segal, Chairman, Department of Pathology, Louisiana State University School of Medicine—Shreveport, Box 3932, Shreveport, Louisiana 71130. An Equal Opportunity Employer.

PHARMACOLOGIST—Assistant professor position available July 1976. Ph.D. in pharmacology required and D.V.M. or M.D., if degree desired, but not mandatory. The successful applicant will be expected to develop a research program in an area of pharmacology valuable to veterinary medicine. Teaching assignments are in pharmacology courses for veterinary technology and veterinary medical students. Applicants should submit curriculum vitae and names of three references to Dr. G. D. Goetsch, Department of Veterinary Anatomy and Pharmacology, School of Veterinary Medicine, Purdue University, West Lafayette, Ind. 47907. An Equal Opportunity/Equal Access Employer.

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These attractive and rewarding positions, which will offer successful candidates the opportunity of significant contact and interfacing with preclinical, medical, and marketing colleagues, prefer a background in internal medicine, as well as good communications skills, and a willingness for moderate domestic and international travel. Candidates are invited to forward their curriculum vitae (or inquiries) and a letter of confidence to: Recruitment Manager E. R. Squibb and Sons, Inc. P.O. Box 4060 Princeton, New Jersey 08540 An Equal Opportunity Employer, M/F

UNIVERSITY OF THE WEST INDIES LECTURER/ASSISTANT LECTURER—Department of ANATOMY AND PHYSIOLOGY (FISHERIES BIOLOGY)

Applications are invited from suitably qualified persons for the post of lecturer/assistant lecturer in the Department of Fisheries Biology at the University of the West Indies, Mona, Jamaica. The person appointed will be expected to assist in the development of programs of research and teaching in fisheries biology and fisheries management in the Caribbean.

Salary scale: Lecturer—$177,710 to 360 to $9,870 (Bar) x 360 to $12,030 (1975/76). $12,839 to $18,877 to $10,611 (Bar) x 387 to $12,933 (1976/77). Assistant Lecturer—$56,258 to $300 to $6,838; $7,278 (1975/ 76). $56,729 x 321 to $7,371; $7,824 (1976/77).

FSSU Study and Travel Grant. Unfurnished accommodation and/or support will be provided by the University at a rental of 10 percent of salary, or a housing allowance of 20 percent of salary will be paid. Up to five full passages (at approved rates) on appointment and on normal termination.

Detailed applications (six copies) giving full particulars of qualifications and experience, date of birth, should be sent as soon as possible to The Registrar, University of the West Indies, Mona, Kingston 7, Jamaica. Applications from the same source or from the Inter University Council for Higher Education Overseas, 90/91 Tottenham Court Road, London W1P ODT, England.

MICROBIAL GENETICIST. Fall 1976. Responsibilities will include teaching undergraduate courses in genetics, possibly biochemistry, microbiology, and/or molecular biology. Research specialty open. Ph.D. and teaching experience are required. The application deadline is 30 days from the date of this ad. Send curriculum vitae, transcripts (copies acceptable), and three letters of recommendation to: Dr. John B. Westbrook, University of Southern California, Los Angeles, California 90007. An Equal Opportunity/Equal Access Employer.

PLANT ANATOMY AND GENERAL BIOLOGY: The Biology Department, Utah State University, has a position available for a plant anatomist starting in fall 1976 with a beginning salary of $12,500 to $15,000 on a 9-month contract. The position will provide an excellent opportunity to develop an independent research program. Candidate must have a Ph.D. and a broad background in botany, especially in plant anatomy. Deadline for applications is 15 May 1976. Send curriculum vitae, reprints, and three references to Professor Arthur H. Holmgren, Department of Biological Sciences, 300 Science Building, Utah State University, Logan, Utah 84322.

POSTDOCTORAL POSITION available on 1 July for Ph.D. or M.D. with appropriate background in biochemistry and molecular biology to work on purification and characterization of cellular factors required for DNA replication. Expected starting date is mid-July. Send curriculum vitae and names of three references to: Dr. Rosalind Goetsch, Department of Biological Chemistry, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.

POSTDOCTORAL POSITION available immediately for study of the mechanism of steroid hormone action at the molecular level on neoplastic lymphoid tissue. Salary to $14,000 plus excellent benefits. Send curriculum vitae, letter of interest, and a list of three references to: Dr. Wayne W. M. Driscoll, Associate Professor, Department of Biological Physics and Biophysics, University of Iowa College of Medicine, Iowa City, Iowa 52242. The University of Iowa is an Equal Opportunity Employer.

POSTDOCTORAL POSITION available September 1976 for research in molecular endocrinology. Specific project areas include structure-function relationships, hormone-receptor interactions, and molecular mechanisms of action of growth hormone, prolactin, and placental lactogen. Training in protein characterization, membrane chemistry, or molecular biology preferred. Experience in radioactive and biochemical or cell/tissue culture desirable. Stipend $10,000 to $12,000. Send curriculum vitae with names of at least three references to: Dr. Robert E. Fellows, Department of Physiology and Biophysics, University of Iowa College of Medicine, Iowa City, Iowa 52242. The University of Iowa is an Equal Opportunity Employer.

CHEMIST

ORGANIC SYNTHESIS

Lawrence Livermore Laboratory is seeking a B.S., M.S., or Ph.D. chemist with bench experience in the synthesis of peptides. The successful candidate must be mature, technically competent, resourceful and capable of working independently with only general guidance. He or she will work in a small synthesis group set up to supply an active Bio-medical research program with new, specialized peptide derivatives and related biologically active materials. Responsibilities will include design of the synthetic route, its execution, and characterization of the final products. (Reply to LLL position M-404.)

Lawrence Livermore Laboratory is operated by the University of California for ERDA (Energy Research & Development Administration). As a professional staff member, you'll be working in Livermore, California, which is about an hour's drive from the San Francisco Bay Area. Work performed at the National Laboratory covers a wide range of goals, including the development of new sources of natural resources, generation of electrical power and other energy systems and projects aimed at strengthening the country's national defense potential. Our affirmative action program guarantees fair consideration to all applicants. You must be a citizen of the United States.

Send your resume and salary history, in confidence to:


date: 14 May 1976
POSTDOCTORAL POSITION

The Aquatic Ecology Program at Virginia Polytechnic Institute and State University has a 1-year postdoctoral position available for a diatom taxonomist-ecologist. The position requires the applicant to work as a team of biologists and physicists developing an automated, laser holography based, system to identify diatoms. Salary is $13,000 per year. Position is open 1 July 1976. Send curriculum vitae to:

Dr. Kenneth L. Dickson
1202 Derring Hall
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061
An Equal Opportunity Employer

POSTDOCTORAL POSITION

Postdoctoral position open 1 June 1976 for a period of up to 3 years to study inorganic electrolytes in cardiac muscle and to develop techniques by which the synthesis of lysosomes and lysosomal enzymes in mouse mutants. Training in biochemistry and/or molecular biology required. $10,000 to $12,000 per year depending upon experience. Send curriculum vitae and names of three references to: Dr. Richard T. Swaan, Laboratory of Physical Chemistry, Brookhaven National Laboratory, Upton, N.Y. 11973. The University of Utah is an Equal Opportunity/Equal Access Institution.

POSTDOCTORAL POSITION (2 years), available immediately in an NIH-supported training program. Biochemistry and/or chemistry of function, synthesis of lysosomes and lysosomal enzymes in mouse mutants. Training in biochemistry and/or molecular biology required. $10,000 to $12,000 per year depending upon experience. Send curriculum vitae and names of three references to: Dr. Richard T. Swaan, Laboratory of Physical Chemistry, Brookhaven National Laboratory, Upton, N.Y. 11973. The University of Utah is an Equal Opportunity/Equal Access Institution.

POSTDOCTORAL POSITION: Recent Ph.D. to join laboratory studying comparative muscle structure, mechanics, and protein organization. Previous experience in muscle biochemistry, physiology, or structure desired. Position available June 1976; salary $14,000. Send curriculum vitae and names of three references to: Dr. M. M. Dewey or Dr. B. Wallace, Department of Physiology, University of Virginia Medical School, Charlottesville, Virginia 22901.

POSTDOCTORAL POSITION for physicist or physical chemist, 2 years, starting at $10,500 per year. New England location. Must be familiar with NMR experiments, preferably in studies involving relaxation phenomena. Work will be in biological chemistry but no biochemistry experience is necessary. Send complete curriculum vitae to Box 424, SCIENCE.

UNIVERSITY OF OXFORD, ENGLAND
Coulson Professorship of Theoretical Chemistry
The electors intend to proceed to an election to the newly established Coulson Professorship of Theoretical Chemistry. The stipend of the professorship is £7,300 per year.

Applications (nine copies), naming three referees but without testimonials, should be received not later than 1st June 1976 and should be sent to the Principal of The University Offices, Wellington Square, Oxford OX1 2JD, England, from whom further particulars may be obtained.

POSTDOCTORAL POSITION

Available immediately for an individual with a degree in physical-inorganic or radiochemistry. The position involves the development of efficient and rapid chromatographic techniques and radiolabeling methods. This is part of an ongoing basic research program, in collaboration with Harvard Medical School, in the development and use of radio nuclides in basic biological, biochemical, and medical research. Only those individuals with the above skills need apply. The candidate should furnish resume, transcripts, and request letters of recommendation to be forwarded for a 1-year position to begin on or about 1 June 1976 to: Dr. Alfredo C. Romo, Department of Chemistry, Brookhaven National Laboratory, Upton, N.Y. 11973. An Equal Opportunity Employer, M/F.

PROFESSOR IN RESIDENCE OR ASSOCIATE IN RESIDENCE IN THE DIVISION OF MEDICAL PHYSICS
UNIVERSITY OF CALIFORNIA, BERKELEY

The Division has undergraduate and graduate teaching and research positions available in structural biology, radiation biophysics, theoretical biophysics, and medical physics. Research activities will be expected to be developed in the field of specialization of the successful candidate. The candidate must be a physician who is presently licensed or potentially licensable in California. An individual is sought with a strong background in one or more of the following fields: pharmacology, medical oncology, and endocrinology. Research activities will be conducted in the Donner Laboratory and the Donner Pavilion of the University of California. Minority and women candidates are urged to apply. Interested candidates should send a current resume, and the names of three persons to act as references, to the Chairman of the Search Committee, by 15 June 1976: Edward L. Alpen, Professor of Medical Physics, Donner Laboratory, University of California, Berkeley, Calif. 94720. Equal Opportunity/Affirmative Action Employer.


RESEARCH ASSOCIATE: THEORETICAL SURFACE SCIENCE

Chemical physicist with strong background in quantum chemical and theoretical methods. Good knowledge of surface science. Will work on problems involving molecular interactions with solid surfaces. Some prior experience in surface science and a productive scientific experience desired. Starting date is 1 July 1976; position is for 1 year ($12,000), with renewal possible. Applications, including resume, complete bibliography, and the names of at least three references, should be sent by 1 June 1976 to: Dr. Gerald P. Alldredge, Graduate Center for Materials Research, University of Mississippi, P.O. Box 1901, University, Mississippi 66401.

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RESEARCH ASSOCIATE. Position available September 1976. The Division of Biomedical Engineering, College of Medicine, University of Colorado Medical School, Denver, Colorado 80220. The University of Colorado is an Equal Opportunity Employer.

RESEARCH ASSOCIATE: Position available Septem-ber 1976. The Division of Biomedical Engineering, College of Medicine, University of Colorado Medical School, Denver, Colorado 80220. The University of Colorado is an Equal Opportunity Employer.

RESEARCH POSITION

Electron microscopy of auditory system. Ph.D. in related field preferred. Send curriculum vitae to: Dr. C. G. Neveln, Department of Otolaryngology, Abraham Lincoln School of Medicine, 1855 West Taylor, Chicago, Illinois 60612.

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CSIRO DIVISION OF COMPUTING RESEARCH CANBERRA, A.C.T.

RESEARCH SCIENTIST

CSIRO has a broad charter for research into primary and secondary industries. The Division has approximately 7000 employees. A large number of whom are research and professional scientists, located in Divisions and Sections throughout Australia.

FIELD: Typsetting and graphics languages (micrographics).

GENERAL: The Division operates a very large scale computer system based on a CDC Cyber 7614 processor. An Ill Comp 80 programmable microfilm processor is operated as a stand alone unit on the Cyber. A project is under way to develop Cyber software for text, graphics, and image display on the Cyber 7614.

DUTIES: The research and development of typsetting, graphics composition languages, and participation in the development of micrographics facilities.

QUALIFICATIONS: A Ph.D. degree in an appropriate field or equivalent together with demonstrable research ability.

SALARY: Research scientist or senior research scientist: A$12,883 to A$19,004 per year.

TENURE: Indefinite, with superannuation, or fixed term.

Applications stating full personal and professional details, the names of at least two referees, and quoting reference number CS/95/77 must reach:

The Chief
Division of Computing Research
CSIRO
P.O. Box 1800
Canberra City, A.C.T. 2601
Australia
by 21 May 1976.

ROTATORS: TEMPORARY SCIENTIFIC AND ENGINEERING POSITIONS WITH THE NATIONAL SCIENCE FOUNDATION

The National Science Foundation is seeking three qualified applicants to serve 2-year appointments as program managers in the Directorate for Research Applications. The appointments are intended to be temporary, suitable for persons who wish to gain a field overview and understanding of the processes of federal research support.

Successful candidates will take part in the planning, development, and administration of expanding research programs. Salaries will range from $30,000 to $37,800, depending on qualifications and experience. One position in each of the three following fields of specialization is open:

Economics, operations research, systems-oriented engineering. Candidates must have the breadth and depth of background necessary to judge research excellence, budgetary requirements, and to complete proposed research, and methods of bringing about utilization.

Agricultural engineering, or a closely related discipline. Candidates must demonstrate the background necessary to judge research excellence, budgetary requirements, and methods of bringing about utilization.

Mineral economics, or a closely related discipline. Candidates must demonstrate the background necessary to judge research excellence, budgetary requirements, and methods of bringing about utilization.

For these positions five or more years of successful research experience beyond the Ph.D. degree or its equivalent is desired. Additional managerial and engineering experience would be useful. These positions are excepted from the competitive service and will have a tenure of 2 years. Applications will be accepted until September 30, 1976. Applicants will be considered for the positions in the order in which they are received. If the NSF Act of 1950 as amended: Persons who are in a position to take a 2-year leave of absence from the current employment may find this appointment both challenging and interesting.

Those interested in being considered for these positions should forward curriculum vitae and applications to: Division of Personnel and Management, Attn: RANN ROTATORS—Group II, National Science Foundation, 1800 G Street, NW, Washington, D.C. 20550.

An Equal Opportunity/Affirmative Action Employer

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SCIENCE, VOL. 192
AUDIOL OGIST
(GS-665-13/14)
or
PSYCHOLOGIST
(GS-180-13/14)

COMMUNICATIVE DISORDERS PROGRAM
NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE, NIH, PHS

REQUIRED: Minimum of three years experience in experimental design, research methodology and experimental evaluation procedures. Successful candidate should possess a Ph.D. or equivalent in the hearing sciences.

DESIRABLE QUALIFICATIONS: Clinical audiology experience with infants, children and adults; demonstrated research competence in acoustics, noise trauma and auditory rehabilitation (amplification and speech reading); and experience in the administration of grants and/or contract clinical research programs.

The Communicative Disorders Program is responsible for the planning, coordination and conduct of research aimed at the diagnosis, treatment and prevention of varied disorders of human communication and other sensory systems. Incumbent assists the Director in planning and formulating the Institute's communicative disorders research program, including the development of scientific policy, evaluation of the current status of programs, and the development of recommendations concerning areas for program emphasis. Incumbent's primary responsibilities will be developing, encouraging and overseeing research projects, with special concern for problems of audition. Although incumbent's responsibilities involve primarily research administration, it is possible that opportunities for independent research will exist. This position is in the Career Civil Service.

TO APPLY: Submit SF-171 to:
NINCDS Personnel Office
NATIONAL INSTITUTES OF HEALTH
Bldg. 31, Room 8A-23, Bethesda, Md. 20014, (301) 496-6334
Deadline for receipt of application is May 31, 1976
Equal Opportunity Employer

BIO-MEDICAL DEVELOPMENT ENGINEER

Hollister Incorporated, a leader in the international health care field, is seeking a Bio-Medical Development Engineer for our facility in a northern suburb of Chicago. You will have responsibility for new product conceptualization, design, and feasibility testing as well as review and upgrading of current product technology.

Minimal requirements include a bachelor's degree in physical or biological sciences or the engineering field and 3-5 years experience. The ideal candidate will be highly innovative with superior analytical and communicative skills.

We offer an excellent compensation package, including profit sharing, plus the opportunity for professional and personal growth. For a confidential interview, submit a comprehensive resume including salary requirements to:

Peter M. Wisniowski
Manager, Corporate Recruitment

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HOLLISTER INC., 211 E. CHICAGO AVE., CHICAGO, ILL. 60611
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Vaccine Research

Our Biological Laboratories has an opening in the Research and Development Department for a Microbial-Biochemist to conduct basic research in the development of bacterial vaccine.

The successful candidate should have a PhD with 2 to 5 years post doctoral experience preferably in radiochemistry, bacterial fermentation, and analytical biochemistry. This person will be involved in the isolation, purification and analysis of bacterial fermentation products as they apply to vaccine development.

Merrell-National is a Division of Richardson-Merrell Incorporated, a Fortune 500 Company. The Biological Laboratories are located in a beautiful rural location in the Pennsylvania Pocono Mountains accessible to both New York and Philadelphia.

Please send resume, including salary requirements to D. H. Gattone, Personnel Manager.

Merrell

MERRELL-NATIONAL LABORATORIES
Division of Richardson-Merrell Inc.
Swiftwater, Pennsylvania 18370
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IMMUNOGENETICIST

The National Institute of Environmental Health Sciences, National Institutes of Health, Public Health Service, DHEW, invites applications for an Immunogeneticist under the Staff Fellowship Program (Visiting Scientist or Visiting Associate candidates will also be considered). As a member of the biochemical genetics group, the incumbent will plan and conduct independent and collaborative research in the 1) development and production of monospecific antibodies and coupling of these with fluorescent dyes; 2) detection of somatic mutations in hemoglobin loci using animal experiments; 3) development of contracts for mass production of monospecific antibodies; and 4) collaboration with human epidemiologists and population geneticists to develop human field studies for detection of factors of the human population exposed to mutagenic and carcinogenic hazards.

A Ph.D. in immunology or genetics is required, as well as postdoctoral experience and publications in the field over the last 3 years. The appointment will initially be for 1 or 2 years and may be extended. Salary will range from $15,100 to $25,300 per annum depending on qualifications.

Letters of application with curriculum vitae, bibliography and name and address of two references should be addressed to:

Ms. Penelope P. Gardner
National Institute of Environmental Health Sciences
P.O. Box 12233
Research Triangle Park, N.C. 27709

Letters must be received by June 18, 1976 to be considered.

An Equal Opportunity Employer
RESEARCH SCIENTIST
The University of Missouri Research Reactor Facility (MURR) has a position for a research scientist to assist in the neutron diffraction/inelastic scattering programs. This position will be filled by an experimentalist with experience in neutron scattering. Ability to promote a cooperative and creative academic department, and create new experiments is desired. This position provides the opportunity to be associated with a world renowned, highest neutron flux reactor at a U.S. university and an expanding neutron scattering program. Required qualifications are a master’s degree plus 2 years of postgraduate research or experience and education totaling at least 9 years Ph.D. preferred. Send resumes to: University of Missouri Personnel Services 309 Hitt Street Columbia, Missouri 65201 An Affirmative Action/Equal Opportunity Employer

RESEARCH TRAINER
Participate in research and lipoprotein metabolism in experimental animals. The appointment is available to those candidates who have the crucial balance of human insight and professional competence and a commitment to undergraduate education. Candidates for assistant professor level positions should have a Ph.D. or expect to receive their degree by September. Candidates for instructor level positions should have a master’s degree. BIOLOGY—ASSISTANT PROFESSOR—to teach psychobiology, sensory systems, invertebrate physiology, and comparative physiology. BIOLOGY—INSTRUCTOR OR ASSISTANT PROFESSOR—to teach animal behavior, mammalogy, and sociobiology. CHEMISTRY—INSTRUCTOR OR ASSISTANT PROFESSOR—to teach general and organic chemistry. Candidates for the assistant professor level must have special strengths in bioorganic chemistry. GEOLOGY—ASSISTANT PROFESSOR—to teach geophysics and mineral resources or other area of applied geology. MATHEMATICS—ASSISTANT PROFESSOR OR INSTRUCTOR—to teach upper- and lower-division mathematics courses. MATHEMATICS SKILLS—INSTRUCTOR—to teach mathematical skills. REGIONAL SCIENCE—ASSISTANT PROFESSOR—to teach regional science, economic geography or systems analysis, and environmental economics. In addition to teaching in the indicated areas, opportunities are available for interdisciplinary teaching in related science programs and for teaching non-science courses as part of Stockton’s General Studies offerings. Detailed position descriptions are available. Send professional résumé and letter to Dr. Phillip Nazetta, Dean, Faculty of Natural Sciences and Mathematics, Stockton State College, Pomona, N.J. 08239. Equal Opportunity Employer.

POSITIONS OPEN
RESEARCH/TEACHING POSITION IN ZOOLOGY
Animal ecologist, assistant professor, training in population and ecosystem ecology of terrestrial vertebrates preferred or neurobiologist or neurophysiologist, assistant professor. Position to begin September 1976. Salary open. Postdoctoral experience desirable. Duties to include graduate and undergraduate courses in the area of specialty and some lecture participation in general biology. Strong commitment to the research required. Send curriculum vitae and names of three references to: Dr. Robert A. Paterson, Head Department of Biology Virginia Polytechnic Institute and State University Blacksburg, Virginia 24061 An Affirmative Action/Equal Opportunity Employer

SUPERVISOR
Diagnostic Immunology Laboratory
We are seeking a well-qualified individual with at least 3 years of experience in diagnostic immunology. Responsibilities include supervision, staff development, student instruction, and assisting physicians in the interpretation of unusual problems. Starting salary commensurate with qualifications plus a full range of benefits. Contact Z. Moore, Employment Office, Telephone 263-436-1468. Yale-New Haven Hospital 330 Colony Street New Haven, Conn. 06504 Equal Opportunity Employer, M/F

FELLOWSHIP
POSTDOCTORAL FELLOWSHIPS IN LIPID BIOCHEMISTRY
For research-oriented scientist with expertise and strong interest in lipid metabolism and lipid enzymology. Write to: The Hormel Foundation, Austin, Minnesota 55912. An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS IN BIOCHEMISTRY
Two or three postdoctoral fellowships are available for research in the field of regulation of gene transcription. Bacterial plasmids and animal viruses are the main systems being studied. Postdoctoral candidates are invited to send curriculum vitae, field of interest, and date available to: Dr. Geoffrey Zubay Department of Biological Sciences Columbia University New York, N. Y. 10027

POSTDOCTORAL FELLOWSHIP—BIOCHEMISTRY: The Department of Biochemistry has an opening for a postdoctoral position beginning September 1976, in the area of aminopeptidase chemistry in the laboratory of Professor F. J. Behal. Individual selected for the fellowship will be expected to devote full time to structural and functional studies of human alanine aminopeptidase (isoenzymes derived from liver, pancreas, kidney, and duodenum). Candidates must have the Ph.D. or M.D. Send curriculum vitae plus names of three references to: F. J. Behal, Chairman, Department of Biochemistry, Texas Tech University School of Medicine, P.O. Box 4569, Lubbock, Texas 79409. An Equal Opportunity Employer

SYMPOSIUM
SYMPOSIUM ON DRUG METABOLISM AND RESIDUES IN FOOD-PRODUCING ANIMALS
The Animal Health Institute, Colorado State University, and Washington State University are sponsoring the above symposium which will be held 16 and 17 June 1976. For additional details, contact Dr. Jerry Brunton, Animal Health Institute, 1717 K Street, NW, Suite 1009, Washington, D.C. 20006. Registration is limited.

CONFERENCE
NATO CONFERENCE ON MARINE NATURAL PRODUCTS
The NATO Marine Sciences Program is sponsoring a conference on Marine Natural Products at the Mermaid Hotel, Jersey, U.K., 12 to 16 October 1976. The conference will employ a workshop format, with invited speakers, a limited number of contributed papers, and discussion sections on "Applications of Marine Natural Products in Medicine and Agriculture." "Chemotaxonomy in Marine Organisms," and "Chemical Communication Between Marine Organisms," to which all participants will be expected to contribute. All papers will be presented in English and will be published in a NATO conference volume. A limited number of grants-in-aid will be available to those who can attend. Further details can be obtained from Dr. J. F. Faulkner, A-012, Scripps Institution of Oceanography, La Jolla, California 92039.

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