

Personnel Placement

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

POSITIONS WANTED: 40¢ per word; use of Box Number counts as 10 additional words. Minimum charge \$10. Prepayment required. This rate applies to individuals only; personnel agencies, 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 12 lines of 48 characters 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, 3-1/2 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)
SCIENCE
1515 Massachusetts Ave., NW
Washington, D.C. 20005

POSITIONS WANTED

Biochemist. Ph.D. Postdoctoral experience. Publications. Strong background in analytical and organic. Extensive experience in analytical methods development, protein chemistry, GLC, chromatographic separations. Seeks academic, research, or R & D position. Box 243, SCIENCE. X

Ph.D. **Biochemistry** (1972), B.S. pharmacy. Research in drug metabolism, chemical carcinogenesis; experience in GC/MS, HPLC, cell cultures, synthesis of labeled compounds. Many publications, grants. Box 244, SCIENCE. X

Bioengineer. Ph.D. 1974. Seeks teaching/research position. Box 231, SCIENCE. X

Biologist. M.S. botany. Diverse background in field biology; 2 years of experience in insect-plant relationships. Desires position in teaching, industry. Seeks challenge and advancement. Box 245, SCIENCE. X

Ecologist. M.Sc. with strong background in reclamation and soils. Seeks consulting/research/administrative position. Publications. L. Beyer, Box 38, Bethesda, Ohio 43719. X

Electronics Engineer. M.S.E.E., 25 years of experience. Design and development of special-purpose instruments, circuits, systems, and measuring apparatus. Available on a free-lance basis. Box 246, SCIENCE. X

Environmental Biologist. Ph.D., University of California, Davis. Two years of postdoctoral experience. Publications. Analysis, evaluation control, and reclamation of industrial, agricultural, and municipal pollution. P. Sain, 305-29 Inverness Drive, Guelph, Ontario, Canada. X

Fungal Physiologist/Plant Pathologist. Ph.D. 1966. Experience: postdoctorate, teaching. Publications. Seeks postdoctoral or teaching position. Box 247, SCIENCE. X

Immunochemist. Ph.D. 1958. Immunodiagnostic product development, RID, RIA. Currently employed as consultant. Seeking full-time or consulting R & D position. No agencies. Box 248, SCIENCE. X

POSITIONS WANTED

Immunologist/Microbiologist. Ph.D. Research in tumor immunology, especially mouse leukemia. Postdoctorate in viral leukemia. Experience in clinical laboratory, RIA, diagnostic immunology, electrophoresis. Seeks teaching, teaching/research position. Box 249, SCIENCE. X

Mammalogist. Ph.D. wildlife, comparative anatomy, vertebrate zoology. Honors, awards, publications. Fifteen years of university teaching. University position wanted. Box 250, SCIENCE. X

Radiation Pathologist. M.D. Extensive teaching, consultative, and research experience in tissue responses to accidental, occupational, and therapeutic irradiation. Publications. Seeks academic/teaching, diagnostic, research position. Possibly innovative interdisciplinary pathology-radiotherapy program. Box 238, SCIENCE. X

Terrestrial Plant Ecologist. Ph.D. 1974. Teaching experience, ecology, botany, biology; government research. Seeks teaching/research/consulting. West Coast. Box 251, SCIENCE. X

Toxicologist (Ph.D. June 1976). Three years of industrial experience. Seven years of contract lab experience. Teaching experience. Publications—ultrastructure-histochemistry (SEM-TEM). Prefers Midwest or West. Box 252, SCIENCE. 5/21, 28

Ultrasonic Physicist. Ph.D. Publications; teaching and research experience. Seeks trainee position involving ultrasonic diagnosis and imaging in a university medical center, hospital, or industry. Box 253, SCIENCE.

POSITIONS OPEN

ASSISTANT PROFESSOR IN BIOLOGY for fall 1976. The 16-member department offers B.A., B.S., and M.A. degrees in biology and B.S. in medical technology. Candidates should have a Ph.D. degree and a broad-based biology background. Specific strengths in microbiology and/or cell physiology are desirable. Applications should be sent before 7 June 1976 to **Chairman, Department of Biology, State University of New York, College of Arts and Science at Geneseo, Geneseo, N.Y. 14454. Equal Opportunity/Affirmative Action Employer.**

The University of California, Berkeley, has an opening, in the Department of Mechanical Engineering, at the **ASSISTANT PROFESSOR** level for teaching and research in the general area of thermal systems. Applicant should have a strong academic background in heat transfer, thermodynamics, and fluid mechanics. Send biography and the names of references to: **Chairman, Department of Mechanical Engineering, University of California, Berkeley, California 94720. The University of California is an Affirmative Action and Equal Opportunity Employer, and minority and women candidates are urged to apply.**

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 biophysics, cellular cardiovascular physiology, or cellular and molecular endocrinology, full consideration will be given to others showing promise of outstanding contributions to the research and teaching missions of this department. Please send curriculum vitae, including bibliography and a brief description of research interests, teaching experience, and career objectives, with names of at least three references to:

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

The University of Iowa is an Equal Opportunity Employer.

POSITIONS OPEN

ASSISTANT PROFESSOR OF CLINICAL CHEMISTRY

Applications are invited for an appointment as assistant professor of clinical chemistry in the Department of Medical Technology. Teaching responsibilities include: (i) two courses in clinical chemistry, (ii) advanced course in clinical chemistry analyses, and (iii) independent study and research supervision. A broad background in biochemistry, clinical chemistry, and instrumentation is essential. Successful teaching activities and clinical laboratory experience are required. Send letter of application, curriculum vitae, and names of three references to **Roma E. Brown, Chairman, Department of Medical Technology, School of Allied Medical Professions, University of Pennsylvania, 3901 Pine Street, Philadelphia, Pa. 19174. An Equal Opportunity Employer.**

ASSISTANT PROFESSOR OF MICROBIOLOGY

A position is available for an outstanding candidate at the assistant professor level. Candidates should be pursuing research in the microbiological field of DNA viruses emphasizing restriction enzymes, digestion patterns, viral genome, physical mapping, and possibly sequencing. Postdoctoral research experience in the field and profound publications essential. The position is available 1 June 1976. Applicants should write to:

Sheldon Dray, M.D., Ph.D.
Chairman, Department of Microbiology
University of Illinois at the Medical Center
835 South Wolcott
P.O. Box 6998
Chicago, Illinois 60680

The University of Illinois at the Medical Center is an Equal Opportunity/Affirmative Action Employer.

The Department of Neurology, UCLA School of Medicine, San Fernando Valley Medical Program, is seeking applicants for the following full-time academic positions: **assistant professor** level for **NEUROLOGIST** with research interest in neurochemistry. **POSTDOCTORAL FELLOWS** in neurochemistry (Ph.D.) (protein synthesis and development, one; cyclic nucleotides, one). Applicants are requested to submit a curriculum vitae and reprints to **Claude G. Wasterlain, M.D., Head, Division of Neurology, Veterans Administration Hospital, Sepulveda, Calif. 91343. UCLA is an Equal Opportunity/Affirmative Action Employer and is desirous of receiving applications from minority and women candidates as well as other qualified persons.**

Applications are invited from individuals interested in a position as **ASSISTANT PROFESSOR OF NEUROPHYSIOLOGY**, available 1 September 1976. Applicants should be prepared to develop a strong research program in some aspect of neurophysiology and to teach sensorimotor mechanisms to medical and graduate students. Each applicant should submit a curriculum vitae, a list of publications, the names of three individuals qualified to evaluate the applicant's research and teaching capabilities, and a one- or two-page statement of research accomplishments and future research plans to **Dr. J. E. Hind, Chairman, Department of Neurophysiology, University of Wisconsin Medical School, Room 283 Medical Sciences Building, Madison, Wisconsin 53706. All qualified individuals are encouraged to apply. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer and does not discriminate on the basis of sex or race.**

ASSISTANT PROFESSOR—VERTEBRATE BIOLOGY. Applications are being sought for a position expected to be open soon in the Department of Ecology and Evolution at the State University of New York at Stony Brook for the academic year 1976-77. We seek outstanding candidates whose area of research expertise includes vertebrate biology as related to the area of ecology and evolution. The candidate must be willing to teach an elementary anatomy course and an undergraduate course in chordate zoology. Although temporary at present, it is possible that the position can be extended. Send curriculum vitae and three letters of recommendation to **J. Levinton, Department of Ecology and Evolution, State University of New York at Stony Brook, Stony Brook, New York 11794. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

ASSISTANT PROFESSOR OF ENTOMOLOGY. Full-time academic position available 1 September 1976 for person to develop new teaching and research program in arthropod transmission of plant diseases of sorghum, corn, other field crops and ornamentals. Additional teaching responsibilities in existing undergraduate courses in general entomology. Ph.D. in entomology required with strong training in virology, plant pathology, plant physiology, microbiology, and electron microscopy. Closing date 30 May, or until suitable candidate is found. Send résumé, transcripts, reprints, and names of five references to **Dr. P. L. Adkisson, Head, Department of Entomology, Texas A & M University, College Station, Texas 77843. An Equal Opportunity/Affirmative Action Employer.**

GEOPHYSICAL INSTITUTE UNIVERSITY OF ALASKA

Applications are invited for the position of **ASSOCIATE DIRECTOR** of the Geophysical Institute at Fairbanks. The associate director will work closely with the director and deputy director on all matters affecting the welfare of the Institute. The scientific program includes basic and applied studies in solar-terrestrial physics, aeronomy, meteorology, climatology, glaciology, permafrost and frozen ground, petrology, paleomagnetism, seismology, volcanology, geochronology, and investigations of energy sources. The total staff is about 160, including some 50 faculty members. Graduate programs are offered, leading to M.S. and Ph.D. degrees.

In making the appointment, preference will be given to persons qualified to plan and conduct programs in the solid-earth sciences, but applicants specializing in other branches of geophysics will also be considered. Faculty rank will be accorded as professor or associate professor, depending upon qualifications and achievement.

Applicants should have a doctoral degree or its equivalent in training and experience, preferably with a background in solid-earth geophysics, for example, seismology, tectonophysics, structural geology. Applications will be judged primarily on the quality of scientific contributions as evidenced in the literature, and to the extent that these demonstrate innovation and leadership in the field. Prior work in the Arctic would be advantageous. Teaching experience will be taken into account. Administrative experience is desirable but not essential, for example, project supervision at universities, in government agencies, or in industry. Familiarity with budgets, accounts, and fiscal reports is expected.

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

For further information please write to the **Director, Geophysical Institute, University of Alaska, Fairbanks, Alaska 99701.** Closing date is 31 July 1976.

CLINICAL IMMUNOLOGIST

Applications are invited from individuals interested in development of a clinical immunology program in a medical school in a large metropolitan area. Responsibilities include teaching, research, and service, and involve establishment and operation of a diagnostic immunology laboratory. M.D. or M.D.-Ph.D. required who can serve as liaison between physicians and professional immunologists. Appointment will be in the Departments of Medicine and Microbiology at the level of assistant or associate professor. Salary is competitive. Send curriculum vitae and three letters of reference to: **Dr. Donald J. Merchant, Chairman, Department of Microbiology, Eastern Virginia Medical School, P.O. Box 1980, Norfolk, Virginia 23501. An Equal Opportunity/Affirmative Action Employer.**

MICROBIOLOGY

Applications are invited from individuals interested in a teaching-research position with responsibility for teaching microbial physiology, metabolism, and genetics in the medical curriculum. Ph.D. or equivalent with specialization in general microbiology or microbial biochemistry is required. Appointment will be at the level of assistant or associate professor depending on qualifications and experience. The Department is strongly research oriented. Send curriculum vitae and three letters of reference to: **Dr. Donald J. Merchant, Chairman, Department of Microbiology, Eastern Virginia Medical School, P.O. Box 1980, Norfolk, Virginia 23501. An Equal Opportunity/Affirmative Action Employer.**

POSITIONS OPEN

UNIVERSITY OF WISCONSIN

The Department of Genetics invites applications for a potential position in **plant genetics** at the **assistant professor** level. Applicants should have interests and experience in techniques, such as those of molecular biology and plant cell culture, relevant to the improvement of economically important plants. They should possess the Ph.D. degree and have had postdoctoral experience. Participation in undergraduate and graduate teaching in the department is expected in addition to an active research program. Applicants should submit a curriculum vitae, a statement of research plans, and have three letters of recommendation sent to: **Chairman, Plant Genetics Search Committee, Department of Genetics, University of Wisconsin-Madison, Madison, Wisconsin 53706. The University of Wisconsin is an Affirmative Action/Equal Opportunity Employer.**

CALIFORNIA COLLEGE OF PODIATRIC MEDICINE BASIC SCIENCES DEPARTMENT

Applications are invited for positions available in June 1976: **biochemist** (Ph.D.) and **cardiovascular physiologist** (Ph.D.). Teaching responsibilities will include introductory-level courses to first-year medical students. Candidates with prior teaching experience should send curriculum vitae to **Hugh A. Ribeiro, Department of Basic Medical Sciences, California College of Podiatric Medicine, 1770 Eddy Street, San Francisco, California 94115. Telephone: 415-563-3444, extension 160-161.**

BIOPHYSICAL CHEMIST. Recent Ph.D. to work on drug-membrane interactions. Experience with UV, CD-ORD, NMR. Eastern academic institution. Please send curriculum vitae to: **American Chemical Society, 1155 16th Street, NW, Washington, D.C. 20036. An Equal Opportunity Employer.**

BIOCHEMICAL PHARMACOLOGIST/BIOCHEMIST. Ph.D. or M.D. to work on receptor, isolation and characterization, and drug-enzyme interaction. Northeastern medical school. Please send curriculum vitae to: **American Chemical Society, 1155 16th Street, NW, Washington, D.C. 20036. An Equal Opportunity Employer.**

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. Lopez-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—GRADUATE/RESEARCH SCHOOL

Nominations and applications are invited for the position of Dean of the Rosenstiel School of Marine and Atmospheric Science, University of Miami.

The School is one of the major centers for research and graduate education in a rapidly evolving field. The Dean is expected to provide active leadership in the School's continued scientific and financial development. We are looking for a person with an earned doctorate in the sciences, with a record of scholarly achievement, and with administrative experience, preferably in an American university environment. The candidate should be capable of developing and coordinating major national and international marine-oriented research and of attracting economic support from private as well as state and federal sources.

Responses should be submitted in writing to **Dr. Walter Düng, Chairman, Search Committee, Rosenstiel School of Marine and Atmospheric Science, University of Miami, 4600 Rickenbacker Causeway, Miami, Florida 33149, and received no later than 31 October 1976.**

A private, independent, international University; an Equal Opportunity and Affirmative Action Employer.

POSITIONS OPEN

BIOCHEMIST POSTDOCTORAL POSITION

Available beginning 1 July 1976 (first-year stipend \$10,000). Candidate must have strong background in either bacterial genetics, enzymology, physical chemistry, or organic chemistry. Research training available in areas of characterization of purified enzymes of phospholipid metabolism, structure and function of membrane proteins, control of phospholipid metabolism, kinetics in two phase systems. Send curriculum vitae and names of two individuals familiar with candidate's research potential to: **William Dowhan, Ph.D., Department of Biochemistry and Molecular Biology, University of Texas Medical School, P.O. Box 20708, Houston, Texas 77025. An Equal Opportunity/Affirmative Action Employer.**

CHILD PSYCHIATRIST. Louisiana State University Medical School. Excellent salary and fringe benefits. *Equal Opportunity Employer.* Send curriculum vitae and references to: **Department of Psychiatry, P.O. Box 3932, Shreveport, Louisiana 71130.**

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 was officially established in 1972 and includes the following: Medical School, Dental Branch, Graduate School of Biomedical Sciences, School of Public Health, the School of Allied Health Sciences, Speech and Hearing Institute, and School of Nursing.

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

**Alfred G. Knudson, 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
An Equal Opportunity Employer**

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 project-related 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 referees to **Dr. David G. Moore, Deep Sea Drilling Project, P.O. Box 1529, La Jolla, California 92093.**

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

EXECUTIVE DIRECTOR

The Assembly of Life Sciences of the National Academy of Sciences/National Research Council is seeking an executive director to manage a complex organization concerned with fundamental scientific questions, the vitality of the national scientific endeavor, and broad national problems in the biological, medical, environmental, and toxicologic fields. Candidates should be professionals from fields within the life sciences, preferably having experience both in scientific research and in the administrative management of scientific research programs from a national perspective. Substantial leadership experience in academic, government, health care, or industrial organizations is required. Familiarity with government agencies and with grant and contract matters is desirable. An M.D. is highly desirable but not essential. Applicants should send résumés to: **Dr. Robert W. Johnston, Associate Executive Officer, National Academy of Sciences, 2101 Constitution Avenue, NW, Washington, D.C. 20418. An Equal Opportunity Employer.**

POSITIONS OPEN

DIRECTOR OF ANIMAL CARE; VETERINARIAN to head centrally administered animal care for registered research facility for natural and social sciences, pharmacy, and new school of medicine. Must possess D.V.M. and qualify for medical school faculty position. Salary negotiable depending on qualifications and experience. Position open 1 July 1976. Send résumés to **Dr. A. R. Macon, Associate Vice President for Research, Office of Research, University of South Carolina, Columbia, South Carolina 29208.** *Affirmative Action/Equal Opportunity Employer.*

EXECUTIVE DIRECTOR FOR ALLIANCE FOR ENGINEERING IN MEDICINE AND BIOLOGY, coalition of 25 national professional engineering and medical societies located in Chevy Chase, Md. Executive director heads six-person staff, works with constituent groups, consultants, and government agencies to plan and manage projects dealing with health-related technology. Salary open. Send résumé, letter to **Charles Weller, M.D., President, Alliance for Engineering in Medicine and Biology, Suite 1350, 5454 Wisconsin Avenue, Chevy Chase, Md. 20015.**

FACULTY POSITION: Assistant or associate chemist level. To develop and lead vigorous program in fundamental and applied areas of plant protection. Required Ph.D. in chemistry or biochemistry and added experience in plant protection or pesticides. Salary negotiable. Job description on request. Send complete résumé, statement of future research interests, and names of three references by 15 July to **Frank Loewus, Chairman, Department of Agricultural Chemistry, Washington State University, Pullman, Wash. 99163.** *An Equal Opportunity/Affirmative Action Employer.*

Applications are invited for the following **FACULTY POSITIONS** at the assistant professor level for fall 1976 from scientists interested in joining a dynamic, growing program in geosciences. The positions require a Ph.D. and documented ability to do original research. Candidates are expected to initiate and develop graduate-oriented research programs in their specialty. Preference will be given to scientists with broad interests. Teaching duties will involve both graduate and undergraduate courses in the subject and supervision of M.S. and Ph.D. students.

GEOPHYSICIST. Research interest in one of the following areas: applied geophysics, crustal geophysics, energy research, environmental-hazards research, and/or exploration geophysics. Preference will be given to a geophysicist with a strong geological background.

CLASTIC SEDIMENTOLOGIST. Research interest in terrigenous sediments (both modern and ancient) with a secondary proficiency in either hydrocarbon occurrences or groundwater hydrology. Must be able to teach courses in modern clastic deposition, environmental analysis (modern and ancient), and sedimentary petrography.

Indication of ethnicity and sex for Affirmative Action statistical purposes is requested but not required. Send curriculum vitae by 15 July 1976 to:

Alexander L. Clark
Vice President for Academic Affairs
The University of Texas at Dallas
P.O. Box 688, Mail Station AD11A
Richardson, Texas 75080

The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

HARD TISSUE RADIOBIOLOGIST. Junior scientist with training and experience in autoradiography, morphometry, thick and thin sectioning of undecalcified bone, and thin sectioning of decalcified hard tissues. Knowledge of cell kinetics, dosimetry, and basic tumor biology highly desirable. To develop program in mechanisms and risk for skeletal carcinogenesis from low-level exposures to Pu-239 and transplutonium elements as part of a research team (ERDA contract). Candidates should be bioscientists of proven research ability with Ph.D. or M.D., appropriate postdoctoral training, and publications of quality. Applicants should send résumé, bibliography, and selected reprints. Applications will be received for 30 days after the appearance of this notice. Position will be filled before 1 July 1976. Salary depends upon qualifications. Contact **Rodney L. Jones, Administrative Officer, Radiobiology Laboratory, University of Utah, Salt Lake City, Utah 84132.** *An Equal Opportunity Employer, M/F.*

Gulf Canada needs a Senior Environmental Advisor (Senior Biologist)

In our dedication to the principle of responsible environmental and resource management, Gulf is in search of a Senior Environmental Advisor for the Environmental Affairs Department — Western Canada, located in our Calgary, Alberta office.

The position

- To provide the Exploration and Production Department with a biological dimension in the planning, development, and operating of all ventures.
- To assist the Technical Advisor — Environmental Affairs in injecting the life science approach into the Corporate Environmental Programs.
- To consult and maintain liaison between client departments, industry and government.
- To report to the Co-ordinator, Exploration and Production — Environmental Affairs.

Qualifications

- M.Sc. or Ph.D.
- Preference given to Ecological or Wildlife Biologist
- 8 - 10 years directly related experience
- Thorough understanding of overall Matrix Assessment
- Strong communications skills
- Problem-solver
- Appreciation and understanding of business and management
- Legally able to accept permanent employment in Canada

We offer

- Considerable opportunity for challenge and career growth
- Excellent remuneration
- Full range of benefits
- Opportunity to up-date professional status through Company Employee Development Programs

Those interested in pursuing this unique employment opportunity should reply in complete confidence by forwarding a personal résumé to:



GULF OIL CANADA LIMITED
W. C. Renton
Co-ordinator — Environmental Affairs
P.O. Box 130
Calgary, Alberta
T2P 2H7

POSITIONS OPEN

The University of Minnesota Medical School, Department of Orthopedic Surgery, Minneapolis, Minnesota, invites applications for **FACULTY POSITIONS** at the rank of assistant professor. Applicants must have an M.D. degree and be Board-eligible in orthopedic surgery. Additional postgraduate experience in adult reconstructive surgery and biomechanics or additional postgraduate experience in pediatric orthopedics is a prerequisite. Active involvement in patient care, postgraduate and undergraduate educational activities will be expected of the applicant. Candidates should provide evidence of ability to pursue clinical or basic research projects as part of their application. Interested persons should send a letter of application, curriculum vitae, and names of three references by 1 June 1976 to **Department of Orthopedic Surgery, University of Minnesota School of Medicine, Box 189, Minneapolis, Minnesota 55455. An Equal Opportunity/Affirmative Action Employer.**

FACULTY POSITION IN CHEMISTRY

Instructor, chemistry/natural resources or chemistry/physics combination beginning fall 1976. Requires M.A. Applicants should have curriculum vitae, transcripts, and credentials sent by 15 June 1976. Send letter of interest immediately to **Dean of Instruction, Kirtland Community College, Roscommon, Michigan 48653.**

GEOPHYSICIST

The Department of Geological Sciences at The University of Texas at El Paso seeks a geophysicist with background in exploration geophysics starting September 1976. Rank and salary are dependent on qualifications. We are committed to building a strong geophysics program from the bachelor's to the doctoral level. A 1-year appointment as a visiting professor would be considered. Interested persons should respond with a letter of application, résumé, and three letters of recommendation by 30 June 1976 to:

William C. Cornell
Acting Chairman
Department of Geological Sciences
The University of Texas at El Paso
El Paso, Texas 79968

An Equal Employment Opportunity (M/F)/Affirmative Action Employer

POSITIONS OPEN

FACULTY POSITION IN PHYSIOLOGY

The UCLA Department of Physiology invites applications for two faculty positions. Regardless of age or rank, each candidate must be unquestionably of world leadership caliber, with research which is pioneering rather than traditional. One of the posts is to be devoted to the area of respiration. Here, the requirements would best be served by a professional degree in both medicine and a physical science. As research orientation, both the aspects of neural regulation and of gas transport would be in order, and a comparative or medical orientation would be welcome. For the second position, preference would be given to the renal area, or to another where fundamental research would interact with our expertise in electrophysiology and transport mechanisms. Both appointees are expected to be innovative teachers, not necessarily limited to their field of research specialization.

If you are interested in this position, please send your letter of application and résumé to:

Dr. Glenn A. Langer
Department of Physiology
A3-375 Center for the Health Sciences
University of California, Los Angeles
Los Angeles, California 90024

Affirmative Action/Equal Opportunity Employer. Minority and women candidates are encouraged to apply.

GENERAL SURGEON; demonstrated interest in laboratory and/or clinical investigation as well as clinical care of severely burned patients is required. Full-time position; *Equal Opportunity/Affirmative Action Employer. Department of Surgery, School of Medicine, University of Washington, Seattle, Washington 98195.* For additional information contact **Dr. P. William Curreri** at the above address.

GENERAL SURGEON (2); demonstrated interest in laboratory and/or clinical investigation as well as clinical care of severely traumatized patients is required. Full-time positions; *Equal Opportunity/Affirmative Action Employer. Department of Surgery, School of Medicine, University of Washington, Seattle, Washington 98195.* For additional information contact **Dr. C. James Carrico** at above address.

POSITIONS OPEN

DIVISION HEAD, BIOCHEMISTRY

The Division of Biochemistry in the College of Agriculture at the University of Wyoming invites applications for the position of department head, which will be open January 1977. The Division has a full-time faculty of eleven, with four joint appointees, and offers undergraduate, master's, and doctoral degrees. Candidates for this senior position should have an outstanding record in research and teaching in some aspect of biochemistry. Demonstrated administrative ability is desirable as is experience with agriculturally oriented (Experiment Station) programs. Send application or nomination, including curriculum vitae, three or more letters of recommendation, a list of recent publications, and other information relating to the individual's qualifications by 1 August 1976 to: **Chairman, Search Committee, Division of Biochemistry, Box 3944, University Station, Laramie, Wyoming 82071. An Affirmative Action/Equal Opportunity/Title IX Employer.**

The College of Veterinary Medicine, University of Illinois, is accepting applications for the position of **Head, 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 highly desirable; demonstrated accomplishments in undergraduate and graduate training and research; administrative experience desirable; interest in interdisciplinary teaching and research activities.

SALARY: Negotiable.

STARTING DATE: Negotiable. Position is permanently 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.**

IGNEOUS OR METAMORPHIC PETROLOGIST UNIVERSITY OF ALASKA, FAIRBANKS

The Division of Geosciences invites applications from qualified persons in igneous or metamorphic petrology, with a strong background in field geology and volcanology. The appointment may be made at the level of assistant, associate, or full professor, depending upon qualifications and experience.

Applicants should have a Ph.D. or its equivalent in training and experience, and should have contributed substantially to research, as evidenced in the scientific literature. Preference will be given to persons with field experience in Alaska. Prior teaching experience is desirable.

Duties will include teaching undergraduate petrography courses and graduate-level courses in igneous and metamorphic petrology, and volcanology. The appointee will be a member of staff of the Geophysical Institute.

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

For further information, please write to the **Director, Division of Geosciences, University of Alaska, Fairbanks, Alaska 99701.**

Closing date is 31 July 1976.

IMMUNOLOGIST—Position open for a Ph.D. or M.D. at the assistant professor level. Postdoctoral experience required. Prefer research interests in the molecular and genetic aspects of the immune response. Position also involves teaching medical and graduate students. Correspondence to:

Dr. Morton M. Weber
Department of Microbiology
St. Louis University School of Medicine
1402 South Grand Boulevard
St. Louis, Missouri 63104

An Equal Opportunity/Affirmative Action Employer

Positions available at Kuwait University for **LECTURERS, ASSISTANT PROFESSORS, and PROFESSORS** in the following fields:

Zoology: (i) Invertebrate Zoology, (ii) Cell Biology, (iii) Biology of Chordates, (iv) Desert Ecology.

Botany: (i) Microbial Genetics, (ii) Medical Bacteriology, (iii) Microbial Chemistry.

If interested, please contact the Kuwait Embassy Cultural Division *immediately*.

Embassy of the State of Kuwait
Cultural Division
Suite 158
4301 Connecticut Avenue, NW
Washington, D.C. 20008
Telephone: 202-244-4709

DIRECTOR CHEMISTRY QUALITY ASSURANCE

Major manufacturer in the growing field of clinical laboratory medicine seeks a director of Chemistry Quality Assurance to meet increasing needs for senior-level management in expanding quality assurance function. Successful applicants will have advanced degree in the field of chemistry, with emphasis in clinical chemistry, biochemistry, radioimmunochemistry, or related equivalent training. Industrial or clinical laboratory experience including supervisory responsibility is preferred. Position entails responsibility for total chemistry and radioimmunochemistry product lines, from raw materials to finished products.

Excellent compensation and fringe benefits. Please send detailed résumé in confidence (no telephone inquiries, please) to:

D. F. Barber, Vice President-Personnel

DADE

Division of American Hospital Supply Corp.

P.O. Box 520672

Miami, Florida 33152

An Equal Opportunity Employer, M/F

POSITIONS OPEN

FACULTY POSITION IN ANIMAL SCIENCE. Applications are invited for persons with a Ph.D. degree in poultry nutrition with supporting work in physiology. Responsibilities include teaching, advising students, and research in the area of poultry nutrition. Apply with résumé to: **Dr. S. A. Ewing, Head, Department of Animal Science, Iowa State University, Ames, Iowa 50011. Affirmative Action/Equal Opportunity Employer.**

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 breadth and avoid duplication in the ongoing immunology program here, the applicant's major area of interest should be other than cell-mediated immunity. Duties include teaching of the medical and graduate students and pursuit 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 Rifkind, Department of Microbiology, College of Medicine, University of Arizona, Tucson, Arizona 85724. An Equal Opportunity/Affirmative Action Employer under state and federal laws and regulations including Title IX, 1972 Education Amendments.**

Board-certified **INTERNIST** for Family Practice Program. Prefer 4 to 5 years of experience. Salary negotiable. Submit written résumé to **Personnel Office, Louisiana State University School of Medicine, Box 3932, Shreveport, Louisiana 71130. Equal Opportunity Employer.**

Board-eligible or Board-certified **OBSTETRICIAN** for Family Practice Program. Salary negotiable. Submit written résumé to **Personnel Office, Louisiana State University School of Medicine, Box 3932, Shreveport, Louisiana 71130. Equal Opportunity Employer.**

Board-certified **PEDIATRICIAN** for Family Practice Program. Prefer 4 to 5 years of experience. Salary negotiable. Submit written résumé to **Personnel Office, Louisiana State University School of Medicine, Box 3932, Shreveport, Louisiana 71130. Equal Opportunity Employer.**

LIMNOLOGIST. A temporary position for assistant professor to teach a basic course in limnology and contribute to research efforts on Great Plains rivers and reservoirs. Position open for fall 1976. Applicants should submit résumés and three letters of reference by 7 June 1976 to **L. Evans Roth, Director, Division of Biology, Kansas State University, Manhattan, Kansas 66506. An Affirmative Action/Equal Opportunity Employer.**

MARINE ECOLOGIST AQUATIC BIOLOGIST/LIMNOLOGIST

These two positions require ability to plan and direct a variety of projects including ecological studies and environmental portions of wastewater management projects. Statistical background with Ph.D. or M.S. with equivalent experience required.

POPULATIONS ECOLOGIST/ FISHERIES BIOLOGIST

Ability to design and analyze the results of studies of biological populations. Marine orientation preferred. Strong statistical background required. Must have Ph.D. or M.S. with equivalent experience.

Please send complete résumé to

**Personnel Manager
NORMANDEAU ASSOCIATES, INC.
Nashua Road, Bedford, N.H. 03102
Environmental Consulting, Research, Service
An Equal Opportunity Employer**

POSITIONS OPEN

Rosenstiel School of Marine and Atmospheric Science, Division of Marine Geology and Geophysics, University of Miami. Vacancy for **MARINE GEOPHYSICIST** on the faculty, with responsibilities for some teaching and the development of a marine geophysics program. We desire someone with broad interests, who wishes to go to sea, and who will interact with other members of the Division. Level of appointment will be based on experience. Applications should be sent to **Dr. C. G. A. Harrison, Rosenstiel School of Marine and Atmospheric Science, 4600 Rickenbacker Causeway, Miami, Florida 33149. The University of Miami is an Equal Opportunity/Affirmative Action Employer.**

The Merck Institute for Therapeutic Research has an opening for a **MICROBIOLOGIST** to conduct basic research in gastrointestinal infections. Research knowledge of immunological practices and procedures will be needed. Experience with infections caused by bacteria of the gut is highly desirable.

The successful candidate should have a Ph.D. or equivalent with considerable graduate research experience. The work involves isolation and characterization of those bacterial forms pathogenic in the gastrointestinal tract of stock and laboratory animals, the host animal's response to these organisms, and methods for their control.

Please submit résumé including salary requirements, in confidence, to: **W. T. Jackson, Employment Supervisor**

**Merck Institute for
Therapeutic Research
Rahway, New Jersey 07065
Equal Opportunity Employer, M/F**

MICROBIOLOGIST with a special interest in parasitology and/or mycology. Full-time faculty position with the rank of assistant professor, for an individual with a Ph.D. or equivalent degree and strong postdoctoral experience in parasitology or mycology. Duties include responsibility for parasitology and mycology diagnostic services, participation in the teaching of courses for medical and graduate students, and the training of postdoctorals. Individual must be capable of developing an independent research program. Depending upon qualifications, a joint hospital appointment is possible. Send curriculum vitae and references to **Dr. Gerald D. Shockman, Chairman, Department of Microbiology and Immunology, Temple University School of Medicine, Philadelphia, Pa. 19140. Temple University is an Equal Opportunity/Affirmative Action Employer.**

NATURAL PRODUCT CHEMIST

Ph.D. in chemistry or biochemistry with background in isolation and structure elucidation of antibiotics, peptides, and plant products. Good knowledge in mass spectrometry, proton and ¹³C NMR spectroscopy, UV, IR, and counter-current distribution is preferred. Candidates are expected to do isolation and structural studies independently and interact with microbiology and pilot plant groups.

Qualified candidates should send résumés and the names of three references to:

**M. L. Knill, Department 210
FREDERICK CANCER RESEARCH CENTER
Lifton Biometrics, Inc.
P.O. Box B
Frederick, Maryland 21701
An Equal Opportunity Employer, M/F**

TWO POSTDOCTORAL APPOINTMENTS available to assist participating scientists in data reduction and analysis with opportunity for individual research under the general supervision of a senior scientist on the topics of the SKYLAB Workshop Series. Topic of the next series: Solar Flares.

Appointments will be for approximately 1 year beginning in fall 1976, with a salary range of \$15,100 to \$17,200 per year. Deadline for applications: 30 June 1976.

Background in analysis and reduction techniques using film or digital data is required and background in any of the following subjects is desired: general solar physics, MHD, plasma physics, stellar atmospheres, x-ray spectroscopy, and EUV spectroscopy.

For further information contact: **Karen Petrovick, High Altitude Observatory, National Center for Atmospheric Research, P.O. Box 3000, Boulder, Colorado 80303. Telephone: 303-444-1550.**

An Equal Opportunity/Affirmative Action Employer

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ONR Physicist,

**GS-12 to GS-15
(one position)**

**Salary: \$19,386-\$37,800
depending on qualifications**

Scientific Officer responsible for contract research programs in atomic, molecular, plasma, and theoretical physics.

Must have Ph.D. or equivalent in physics with personal accomplishment in theoretical physics and extensive knowledge of the concepts and techniques of atomic, molecular, and plasma physics. Experience and knowledge in additional subfields of theoretical and experimental physics are highly desirable.

Send Standard Form 171 and/or resume by June 30, 1976 to:

**Office of Naval Research
(Code 7212)
Announcement #76-23
800 N. Quincy Street
Arlington, Va. 22217**

For further information contact Mrs. Roadman on (202) 692-4705.

Equal Opportunity Employer

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THE INTERNATIONAL CENTRE OF INSECT PHYSIOLOGY AND BIOLOGY P.O. BOX 30772 NAIROBI, KENYA

VACANCY: RESEARCH SCIENTIST
(Chemistry Research Unit).

Ref: SCI/76/5

QUALIFICATION: Ph.D. in organic chemistry.

EXPERIENCE: Suitable candidates should be experienced in natural products chemistry. Experience in the isolation and structural elucidation of physiologically active substances from plants and other biological sources is essential.

RESPONSIBILITIES: Successful candidate will be required to work in the area of phytochemistry, particularly those vital to plant/insect relationships. The overall objective of this research is to discover novel materials for insect control. Willingness to collaborate with colleagues in other disciplines, especially in the biological sources, is of paramount importance.

SALARY: According to qualifications and experience.

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

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

Applications should be addressed to:

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

to reach him not later than 31 May 1976.

POSITIONS OPEN

NEUROPHYSIOLOGIST. Opening for established neurophysiologist at associate professor or professor level. The appointee will assume responsibility for the development of a broad-based course in neurobiology as well as have ample opportunity and time for continuation of his research. It is expected that the appointee will have well-established credentials as an investigator and can bring to the position a high degree of maturity and experience. Contact **Dr. Charles W. Urschel, Department of Physiology, College of Medicine, University of South Alabama, Mobile, Alabama 36688.**

NUTRIENT CYCLING PRODUCTIVITY

The Coniferous Forest Biome Project at the College of Forest Resources, University of Washington, is searching for a forest ecosystem ecologist with an emphasis on nutrient cycling and productivity.

The position will be at the research assistant professor level and will be for an 18-month period starting 1 July 1976.

Applicants should have Ph.D. in soils and nutrient cycling and have had several years of research experience beyond the Ph.D.

Duties will include participation in Biome synthesis efforts and development and leadership of the program area involving land-lake interactions at the ecosystem level.

Applicants should apply to:

**Dr. Stanley P. Gessel, Director
Coniferous Forest Biome
College of Forest Resources
University of Washington
Seattle, Washington 98195**

Applications close on 31 May 1976.

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

POSTDOCTORAL BIOCHEMIST/NEUROCHEMIST, as research associate to purify and characterize brain proteins. Expected to collaborate with other members of a team consisting of neurochemists, neurobiologists, cell biologists, and electron microscopists. \$10,000 to \$11,000. Supported by a 3-year grant. Immediate opening. Apply to: **Dr. Ramon Lim, Brain Research Institute, University of Chicago, Chicago, Ill. 60637.**

POSTDOCTORAL POSITION for organic/medicinal chemist to work on pharmacologically active natural materials; isolation, structure determination, and synthesis. Basic science department. Eastern medical school. Please send curriculum vitae to: **American Chemical Society, 1155 16th Street, NW, Washington, D.C. 20036.** *An Equal Opportunity Employer.*

POSTDOCTORAL POSITION

A postdoctoral position is available to study the effects of dietary factors upon the synthesis and degradation of low molecular weight zinc containing proteins (metallothionein species). The research is concerned with the effects of metal exposure, protein deficiency, sulfur deficiency, and selenium levels on the synthesis of metallothionein species.

Salaries up to \$12,000 will be dependent on experience and qualifications. Applications with curriculum vitae naming three references should be sent to:

**Dr. P. D. Whanger
Department of Agricultural Chemistry
Oregon State University
Corvallis, Oregon 97331**

The closing date for this position is 15 June 1976.

An Equal Opportunity/Affirmative Action 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 competitive binding and bioassays 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.*

POSITIONS OPEN

TWO POSTDOCTORAL POSITIONS

Experience in protein purification and characterization required for both positions. One position involves protein sequencing, the other, characterization of a vitamin transport protein. Salary \$10,000 each for the first year. Both positions renewable. Send curriculum vitae and a list of three personal references to either **Dr. Harold B. White or Dr. John C. Wriston, Department of Chemistry, University of Delaware, Newark, Delaware 19711.** *The University of Delaware is an Equal Opportunity/Affirmative Action Employer.*

POSTDOCTORAL POSITION for a molecular biologist preferably with experience in nucleic acid isolation and hybridization techniques to assist in research on the role of RNA polymerases in controlling transcription of ribosomal genes in a differentiating eukaryotic cell system. Send inquiries and résumé with three references to: **Dr. Marvin Paule, Department of Biochemistry, Colorado State University, Fort Collins, Colo. 80523.** *Colorado State University is an Equal Opportunity Employer.*

POSTDOCTORAL RESEARCH ASSOCIATE. Position immediately available for recent graduate interested in the study of epigenetic control of growth and differentiation in cartilage and bone. Candidate should be familiar with mammalian tissue culture and subcellular fractionation techniques. Please send curriculum vitae, bibliography, and names of references to: **G. A. Rodan, M.D., Ph.D., Department of Oral Biology, University of Connecticut Health Center, Farmington, Connecticut 06032.** *An Equal Opportunity Employer, M/F*

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

The Division has undergraduate and graduate teaching programs in cellular biophysics, radiation biophysics, theoretical biophysics, and medical physics. Research activities will be expected to be developed in research medicine in the field of specialization of the successful candidate. The candidate must be a physician who is presently licensed or potentially licensable to practice medicine in California. An individual is sought with a strong background in any of the following fields: hematology, immunology, or endocrinology. Research activities will be conducted in the Donner Laboratory and Donner Pavilion of the University of California. *Minority and women candidates are urged to apply.*

Interested candidates should send a current résumé, 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.*

PSYCHOLOGIST

The Department of Psychology, Duke University, is seeking a professor to serve as departmental chairman, appointment to begin not later than 1 September 1977. The chairmanship position is for a limited term, customarily 5 years, but renewable by agreement. Qualified applicants are invited to write to the head of the Search Committee, **Professor Norman Guttman, Department of Psychology, Duke University, Durham, North Carolina 27706.** *An Equal Opportunity/Affirmative Action Employer.*

RADIATION PHYSICIST

An academic appointment for a radiation physicist is presently available in the Department of Radiology and Radiological Science. Applicants should have a Ph.D. degree, an interest in teaching radiation physics to our residents and radiation technologist students, and an ability to conduct independent research in the technological aspects of diagnostic radiology. Direction and support of the calibration of diagnostic radiology equipment will also be required. Contact **J. B. Oakes, Department of Radiology and Radiological Science, The Johns Hopkins Medical Institutions, Baltimore, Maryland 21205.**

POSITIONS OPEN

RESEARCH ASSOCIATE

Applications are invited from recent Ph.D.'s in biochemistry, organic chemistry, or pharmacology for the position of research associate. Background in isolation and characterization of microamounts of organic compounds and experience with GC-MS are highly desirable. The successful candidate will participate in in vitro and in vivo metabolic studies with small laboratory animals. Send résumé and three letters of reference to: **Dr. Ashton Gibbons, Director of Personnel, Worcester Foundation for Experimental Biology, 222 Maple Avenue, Shrewsbury, Massachusetts 01545.** *An Equal Opportunity/Affirmative Action Employer.*

RESEARCH ASSOCIATE IN OCEANOGRAPHY to work on time series of nutrients. Research within a team of physical and biological oceanographers. Ph.D. required with experience in numerical data analysis. Salary according to experience. Contract renewable each year, for 3 years, starting as soon as possible. Members of GIROQ are marine scientists from Laval, McGill, and Montreal universities, in a wide variety of disciplines. Appointee will be working in Université Laval. Apply to: **Dr. Louis Legendre, GIROQ, Département de biologie, Université Laval, Québec, Canada, G1K 7P4.**

TEMPORARY POSITION IN PARASITOLOGY-INVERTEBRATE ZOOLOGY. Teaching to include medical parasitology, advanced parasitology, invertebrate zoology, and general zoology. Applicants must have a Ph.D. with training in medical parasitology. Position available September 1976 and will end June 1977. Submit curriculum vitae and three letters of recommendation by 20 May 1976 to: **F. F. Gibson, Department of Biology, Eastern Washington State College, Cheney, Wash. 99004.** *An Affirmative Action/Equal Opportunity Employer.*

FOUR TEMPORARY POSITIONS AVAILABLE

Biology Department at UCLA has three temporary teaching and one teaching/coordinator positions available September 1976. Applicants should have Ph.D. degree and ability to teach large undergraduate courses and graduate seminars. Positions are: (i) teach introductory biology, core course in general and cell physiology, and seminar; (ii) teach introductory biology, core course in general or animal physiology, and course in sensory physiology; (iii) teach introductory biology, core course in developmental biology, and seminar; (iv) coordinate and teach in introductory biology—this position requires administrative ability and experience in a very large course (about 800 students per quarter). Send curriculum vitae and names of three references before 1 July 1976 to: **Search Committee, Biology Department, University of California, Los Angeles, Calif. 90024.**

An Equal Opportunity/Affirmative Action Employer. Members of minority groups and women are encouraged to apply.

UROLOGY FACULTY POSITION

A position has become available on the Urologic faculty of the New York Hospital-Cornell Medical Center. Interested in qualified applicants.

Please submit résumé and bibliography to **Chairman, Section of Urology Department of Surgery, Cornell University Medical College, 1300 York Avenue, New York, N.Y. 10021.**

An Equal Opportunity Employer, M/F

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 September 1976. GS-12 to GS-13 (\$19,393 to \$22,906). Send résumé including a list of publications and references to **Dr. R. L. Witter, Director, Regional Poultry Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture, 3606 East Mount Hope Road, East Lansing, Michigan 48823.** *The U.S. government is an Affirmative Action/Equal Opportunity Employer.*

UNIVERSITY OF NEW ENGLAND
Armidale, New South Wales

DEPARTMENT OF ZOOLOGY

LECTURESHIP: ETHOLOGY AND ECOLOGY

Applicants should have university teaching experience and research interests in the relationships between ethology and ecological regulatory mechanisms. Interests in ornithology a considerable advantage. Duties will include teaching undergraduates and supervision of postgraduates particularly in Zoology and Ecology. Appointment will commence in February 1977.

Salary: \$A12,835-\$17,229.

Appointment will be made to the permanent staff but the University reserves the right to make the appointment probationary where it considers this appropriate. Conditions include assistance with travel and removal expenses. In addition, superannuation is available together with assistance in buying or building a home. Study leave grants are available and credit may be granted for existing study leave entitlement.

Further information may be obtained from the Staff Officer, University of New England, Armidale, New South Wales, 2351, Australia, with whom applications, which should include full details of qualifications, experience, research interests and publications together with the names and addresses of three referees and a recent photograph, close on 5 June 1976.

Applicants in the United Kingdom, Europe and America should also forward an additional copy, by the same date, to the Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF, from whom further particulars may also be obtained.

HEALTH SCIENTIST ADMINISTRATOR

The National Institute of Dental Research is seeking a Health Scientist Administrator for the extramural programs. The incumbent will have responsibility for the administration of grants, contracts and training programs in the area of restorative materials for dentistry. Duties will involve program planning, the initiation, review and monitoring (including site visits) of extramurally supported research along with representing the NIDR at national and international meetings.

The ideal candidate will have a dental degree (D.D.S., D.M.D.) with a Ph.D. in dental materials science. However, qualified applicants with either a dental degree and/or a Ph.D. are encouraged to submit their applications and will be considered. A minimum of one year of experience in research program administration is required.

Salary range: \$22,906 to \$34,021 (dependent upon qualifications).

Please submit your resume or Personal Qualifications Statement (SF-171) by June 4, 1976 to: Ms. Nancy Bradley, Personnel Management Specialist, NIDR, National Institutes of Health, Public Health Service, Building 31, Room 2C23, Bethesda, Maryland 20014.

NATIONAL INSTITUTES OF HEALTH

An Equal Opportunity Employer

>1500Ci/mmol
ICTP [¹²⁵I]

>900Ci/mmol
IdCTP [¹²⁵I]

For sequencing and hybridization studies. Each lot tested enzymatically to insure biological activity.

**Iodocytidine 5'-triphosphate,
tetra (triethylammonium) salt, 5- [¹²⁵I]-**
>1500Ci/mmol

Ethanol: water solution, 1:1, shipped in dry ice.
NEX-073 \$125/100μCi \$240/500μCi \$420/1mCi

**Iododeoxycytidine 5'-triphosphate,
tetra (triethylammonium) salt, 5- [¹²⁵I]-**
>900Ci/mmol

Ethanol: water solution, 1:1, shipped in dry ice.
NEX-074 \$100/100μCi \$220/500μCi \$390/1mCi

Also: Iododeoxyuridine, 5- [¹²⁵I]-
>2000Ci/mmol



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AUDIOLOGIST (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

Public Health Service

Bldg. 31, Room 8A-23, Bethesda, Md. 20014, (301) 496-6334
Deadline for receipt of application is May 31, 1976

Equal Opportunity Employer

POSITIONS OPEN

RESPIRATORY PHYSIOLOGY. Under a National Research Service Award, a few postdoctoral fellowships in advanced respiratory mechanics and in lung clearance mechanisms are offered by Drs. Jere Mead, Joseph Brain, and associates. Excellent background in mathematics, physics, engineering, physiology, and/or medicine is essential. Training, experience, and commitment to academic research in basic or applied respiratory physiology are desirable. Eligibility for stipend limited to U.S. citizens. Inquiries to: Dr. Jere Mead, Department of Physiology, Harvard School of Public Health, 665 Huntington Avenue, Boston, Mass. 02115. An Equal Opportunity Employer.

ZOOLOGIST. Teach courses in the fields of quantitative ecology or population biology, and biometrics, and participate in team-taught courses in human anatomy and physiology. Research encouraged. Send curriculum vitae, transcripts, and three letters of recommendation to Dr. John A. Gustafson, Chairman, Department of Biological Sciences, State University of New York, Cortland, N.Y. 13045. Deadline is 15 June 1976. Equal Opportunity/Affirmative Action Employer.

ANNOUNCEMENTS

An **INTERNATIONAL CONGRESS ON CELL BIOLOGY** will be held in Boston from 5 to 10 September of the Bicentennial Year, 1976. Sponsored by the International Federation for Cell Biology and organized by the American Society for Cell Biology, the Congress will be a joint meeting of these two societies. No other meeting of the ASCB will be held in 1976.

The program will comprise symposia on selected topics, workshops, sessions for contributed papers, and demonstrations.

The headquarters of the Congress will be the Sheraton-Boston Hotel and many of the scientific and social events will be centered there.

Persons planning to attend the Congress should advise Joyce Albersheim, P.O. Drawer ICCB, Boulder, Colorado 80302, and thus assure themselves of receiving registration forms and other information. The final date for advance registration is 30 June.

GRADUATE STUDY

PREDOCTORAL GRADUATE ASSISTANTSHIPS

Applications are invited from qualified students for graduate studies in the biophysical and biochemical sciences. Students may concentrate their studies in the following areas: biochemical oncology, physical and analytical biochemistry, molecular biology, medical biophysics, evolutionary and environmental biochemistry, neurochemistry, lipid and nucleic acid biochemistry, and enzymology. Prerequisites are a bachelor of science degree in one of the physical or biological sciences with B average or above and a combined score of at least 1100 on the Graduate Record Examination. Teaching and research assistantships are available with stipends ranging from \$350 to \$450 per month plus out-of-state tuition waiver. Applications should be addressed to:

Chairman, Graduate Committee
Department of Biophysical Sciences
University of Houston
Houston, Texas 77004

Deadline for applications is 15 June 1976.

The University of Houston is an Equal Opportunity Employer.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP—BIOCHEMISTRY. The Department of Biochemistry has an opening for a postdoctoral fellow, beginning 1 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

FELLOWSHIPS

GRADUATE FELLOWSHIPS leading to the Ph.D. in oceanography (physical, chemical, geological, and biological) for 1976-77. Emphasis on shallow-water programs. Applicants should hold an M.S. degree in oceanography or have completed at least 18 semester hours of basic graduate-level oceanographic course work. Stipends are \$3500. Request applications from Dean, School of Graduate Studies, Old Dominion University, Norfolk, Va. 23508. An Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL FELLOWSHIP (Cardiovascular Research)

Position available 1 July 1976. Background should include experience in peripheral nerve recordings, neural control of the circulation or chronic cardiovascular recording techniques. Submit current curriculum vitae, research experience, and names of three references to Dr. Vernon S. Bishop, Department of Pharmacology, The University of Texas Health Science Center at San Antonio, 7703 Floyd Curl Drive, San Antonio, Texas 78284.

An Equal Opportunity/Affirmative Action Employer

POSTDOCTORAL FELLOWSHIPS IN BEHAVIORAL GENETICS. Several openings anticipated for fall 1976 or January 1977. Training and research opportunities available in psychology, child development, psychiatry, neurobiology, neurochemistry, human genetics, or interdisciplinary combinations of these and related areas. To assure consideration, apply by 1 July. Submit curriculum vitae, graduate transcript, statement of research interests, and three letters of reference to V. Elving Anderson, Dight Institute for Human Genetics, Room 8 Botany, University of Minnesota, Minneapolis, Minn. 55455. An Equal Opportunity Employer.

POSTDOCTORAL FELLOWS

Postdoctoral training in immunology with especial emphasis on immunobiology and tumor immunity or in human genetics with emphasis on immunogenetics. Fellowships available July 1977. For information write Dr. Emily G. Reisner, c/o Dr. D. B. Amos, Box 3010, Duke University Medical Center, Durham, N.C. 27710. American nationals or permanent residents only. Payback provisions in effect. Deadline for receipt of completed applications is 1 August 1976.

POSTDOCTORAL FELLOWSHIP. Biochemical-genetic study of mechanisms of regulation of viral protein synthesis by bacteriophage T4, especially mechanisms affecting ribosomes. Available June 1976 or later. Send résumé and letters of recommendation to Dr. John Wiberg, Department of Radiation Biology and Biophysics, University of Rochester School of Medicine and Dentistry, Rochester, N.Y. 14642, or telephone 716-275-3841 for more information. An Equal Opportunity Employer.

UNIVERSITY OF MELBOURNE DYASON FELLOWSHIP (to be offered in 1976 in the field of History of Australian Science)

Applications will be welcomed from scientists and historians as well as those working in the field of history of science, science, or history, and need not have prior formal training in the specific field of the fellowship.

The appointment will be made in the first instance for 2 years with the possibility of an extension of 1 year. The successful applicant will be expected to take up the appointment as soon as convenient after 1 October 1976.

Salary will be within the scale:

\$A12,835 to \$A17,229 per annum—research fellow.

\$A17,569 to \$A20,421 per annum—senior research fellow.

Reasonable travel and removal expenses to and from Australia will be provided and a limited amount of finance will be available to establish and maintain the needs of the successful applicant's research.

Applications should indicate in general terms the aspects of the work on which the applicant proposes to work and should include personal details, academic qualifications and experience, details of research and published works, and the names and addresses of three referees. Applications should be addressed to The Registrar, University of Melbourne, Parkville, Victoria, 3052, Australia, and close on 18 June 1976.

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS—Cell culture, *Treponema pallidum*—biochemistry—enzymology. Two fellowships will become available for periods up to 1 to 3 years between 1 July and 1 September 1976. Applications are invited from individuals, U.S. citizens only, with a recent Ph.D. in biochemistry and microbiology. Lipid metabolic methodology using radioisotopic tracers, cell culture, obligate intracellular parasites, and/or spirochete experience would be helpful. Experience in at least two of these areas is desired. The fellowship stipends are negotiable from \$10,500 depending upon experience. Send curriculum vitae, transcripts, publication lists, three letters of recommendation, and time of availability to Dr. Howard M. Jenkin, The Hormel Institute, University of Minnesota, Austin, Minnesota 55912. The University of Minnesota is an Equal Opportunity/Affirmative Action Employer and welcomes applications from minority groups and women.

POSTDOCTORAL FELLOWSHIP/ GEOCHEMISTRY

Applications are invited for a 1-year fellowship to do research on the marine chemistry of manganese nodules. Applicants with experience in radiochemistry, particularly in low-level counting, are strongly encouraged. The position will start in the summer of 1976 so applicants should respond before 21 June if possible. Please send a résumé and three references to:

Professor Teh-Lung Ku
Department of Geological Sciences
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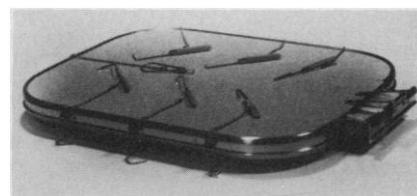
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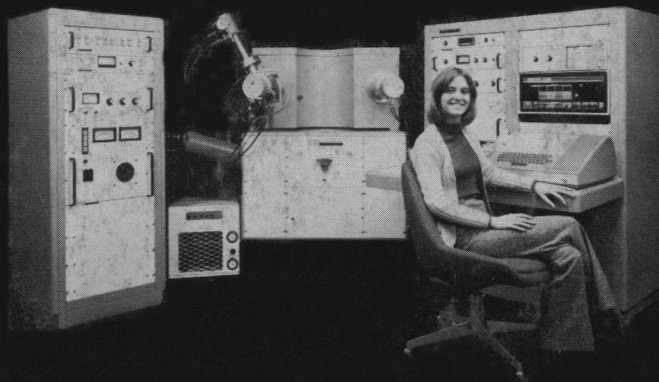
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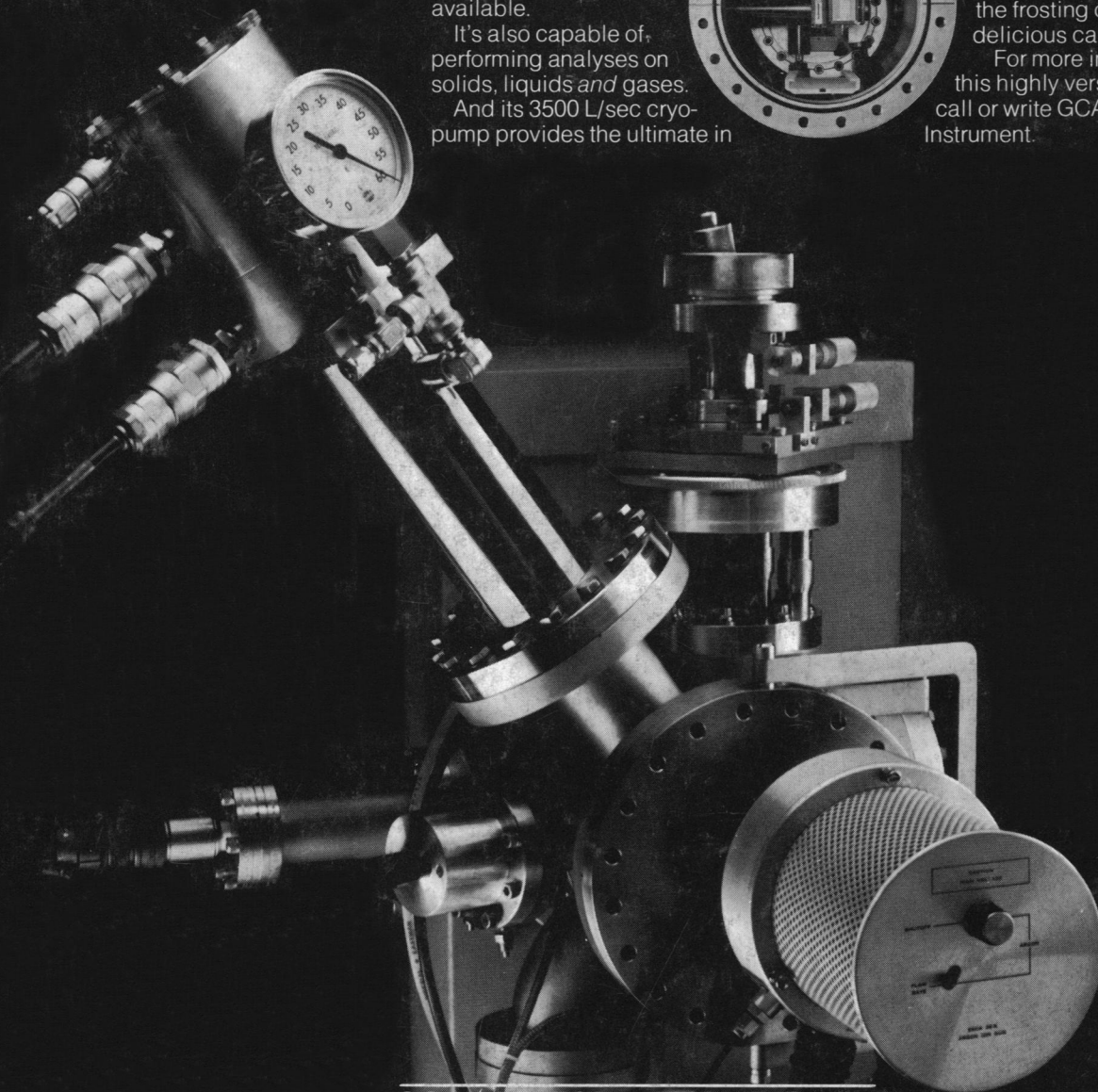
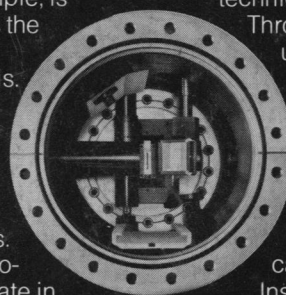
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