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Personnel Placement

It is requested that only those employers who will not discriminate on the basis of race, sex, religion, color, or national origin submit positions open advertising.

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Biochemist; Ph.D. Member FASEB. Excellent teaching credentials in undergraduate and medical schools at professorial level. Prefer teaching and/or research position at student-oriented, 4-year institution, or medical school. Research interests in lipid metabolism, atherosclerosis in primates, inborn errors of metabolism, biochemistry of viruses and clinical biochemistry. Extensive instrumentation experience. Many publications, honors and grants. Curriculum vitae and references supplied upon request. Available immediately. Box 470, **SCIENCE**. 10/5

Bioorganic Chemist, Ph.D., 1969. Excellent publications. Four years of postdoctoral experience in biosynthesis of steroids, enzymes, bile acids, labeled chemicals synthesis, newer antibiotics, chromatography and analytical instrumentation (GC, NMR, TLC, IR, UV). Seeks change. Industrial R&D or research position. Box 484, **SCIENCE**. X

Bioorganic Chemist, Ph.D.; 4 years of university teaching, 10 years of research experience with many publications, chapters in books and patents. Interest and experience in lipid membrane, protein and enzyme biochemistry and chemistry directed toward cancer chemotherapy and related fields. Desires academic or research position. Box 493, **SCIENCE**. X

Cross-Discipline Research Engineer, B.S.M.E. Berkeley, registered professional engineer (California #M13,885) seeks responsible position in design and application of sophisticated, state-of-the-art research tools. Extensive experience in physical, behavioral, medical, and marine sciences at brain research inst., UCLA; physics, UCLA; bubble chamber group, Lawrence Berkeley Lab. Excellent writing ability and willing to travel. Résumé available. Bill Sturgeon, P.E., P.O. Box 5171, Berkeley, Calif. 94705. X

Endocrinologist: Ph.D. 1968. Three years of clinical laboratory experience in radioimmunoassay of estrogens, progesterones, testosterone, FSH, LH, TSH. Research on iodine metabolism, publications. Mammary carcinoma and tissue culture grant application under review. Seeks research and clinical laboratory management position. Available immediately. Box 485, **SCIENCE**. X

UNIVERSITY OF ALBERTA REQUIRES PROFESSIONAL RESEARCH ASSISTANT

LOCATION: Edmonton, Alberta, Canada, Population 520,000, University enrollment 18,000

QUALIFICATIONS: Ph.D., with research interest in biochemistry; background in the biochemistry of membranes helpful.

SALARY: Commensurate with training and experience.

REFERENCES: Letters from two referees, addressed to Dr. E. E. Daniel, Department of Pharmacology, The University of Alberta, Edmonton, Canada, T6G 2E1.

POSITION AVAILABLE: Immediately

DEADLINE FOR APPLICATIONS:
1 November 1973

FERMENTATION MEXICO

Major international pharmaceutical company seeks Mexican graduate student with microbiology/bacteriology and chemical engineering background for its plant near Mexico City.

Individual will initially work under fermentation specialist, learning technology for antibiotic and enzyme production, prior to assuming major responsibilities in a large modern fermentation plant. Previous experience in related fermentation fields is not necessarily required.

Please reply in confidence, listing work experience, educational background, and salary information to:

Box 505, SCIENCE

POSITIONS WANTED

Microbiologist, Biochemist. Ph.D. Desires associate professor position with consulting and publishing privileges. Excellent bench scientist; many publications, chapters, and patents. Capable teaching microbiology, enzymology, fermentations, food chemistry, vitamin chemistry, and technology. Creative, energetic, and personable. Prefers East or West Coast or South. Box 486, SCIENCE. X

Microbiologist. Ph.D., 1972. Seeks teaching and/or research position. Experience in diagnostic bacteriology, diagnostic and research virology including tissue culture, serology, radioisotope labeling, virus purification, fluorescent microscopy, electrophoresis, and animal work. Box 487, SCIENCE. X

Neuroanatomist-Neurophysiologist. Ph.D., 25 years' experience in anatomical-physiological-behavioral research, numerous publications, experienced teacher and administrator. Seeks academic position college or university, present research position being phased out. Write Leo Massopust, 5864 Eldon Drive, Cleveland, Ohio 44130. 10/5

Research Associate at a reputable university seeking an academic position. Ph.D. nuclear theory, 1971. Five years of full-time research and teaching (some after M.S.) includes substantial amount of lab work. Several academic distinctions. Age 30. Available January 1974. Box 488, SCIENCE. X

Scientific Illustrator seeks free-lance assignments for figures and slides. Low rates. Science Graphics, 10 West 86 Street, New York 10024; (212) 595-7699. X

Synthetic Organic/Polymer Chemist Ph.D., D.Sc. Diversified research experience, expert in organophosphorous chemistry. Thirty patents, publications, languages. Seeks research or faculty position. Box 489, SCIENCE. X

Translator: Professional multilevel approach; corresponding rate schedules. Most scientific, technical fields from Asian, Germanic, Romance, Slavic languages. Dale Cunningham, Drawer 1027, Camden, New Jersey 08101. X

POSITIONS OPEN

ASSISTANT PROFESSOR

Position available 1 July 1974 for candidate with doctorate in microbiology or medicine and postdoctoral experience in virus research. Should have a strong interest in research on viral oncogenesis and mechanisms of host resistance and in teaching at the graduate and undergraduate levels. Interested candidates are requested to send their curriculum vitae and supporting documents to **Dr. E. Frederick Wheelock, Professor of Microbiology, Thomas Jefferson University, 1020 Locust Street, Philadelphia, Pa. 19107.**

The Department of Computer Science at the University of Pittsburgh announces a three-term-per-year opening for an **Assistant or Associate Professor** experienced in teaching and research. A currently active researcher in artificial intelligence, formal logic, simulation, or related fields is especially sought. Applicants are expected to possess a Ph.D. in computer science or a closely allied area. Departmental computer support is available from the university's pair of dual-processor PDP-10 systems. Starting date for the appointment is negotiable. Applications from members of minority groups or women will be given particular consideration. Contact: **Gary Lindstrom, Department of Computer Science, University of Pittsburgh, Pittsburgh, Pa. 15260.**

POSITION IN BIOCHEMISTRY

A postdoctoral or junior faculty position is open for a person with a doctorate in Biochemistry with specialization in neurochemistry to participate in collaborative research on nutritional and drug effects on monoamine metabolism, neuroendocrine function, and behavior. Send curriculum vitae and list of references to **Box 445, SCIENCE.**

DEPARTMENT CHAIRMAN

Applications are sought for the position of chairman of the Department of Biology, East Carolina University. Well-equipped department, includes 20 faculty members of diverse interests. Broad undergraduate program. Graduate program to Master's level.

Position to be filled by fall of 1974. Send curriculum vitae and four references to **Biology Search Committee, Department of Biology, East Carolina University, Greenville, N.C. 27834.**

POSITIONS OPEN

BENTHIC ECOLOGIST, Ph.D.

An immediate opening exists for a benthic ecologist to participate in an interdisciplinary academic research program. Candidates are expected to participate in interdisciplinary research courses. Should be capable of independent work. Salary commensurate with experience. Send résumé stating date of availability to **Box 490, SCIENCE.**

DEPARTMENT OF CHEMISTRY

Seeks young Ph.D. chemists for two assistant professor appointments in **biochemistry, inorganic chemistry, or organic chemistry** commencing September 1974. The appointees will participate in undergraduate and graduate teaching and research. *The University of California is an equal opportunity employer.*

Applicants should submit a curriculum vitae (including publication list), an abstract of the Ph.D. dissertation, a summary of any teaching and postdoctoral experience, a statement of short- and long-range research plans, and the names of three persons qualified to assess the candidate's research and teaching potential. It is the applicant's responsibility to see that a confidential letter of recommendation is sent by one of these three referees.

To ensure consideration, the application, the accompanying documentation, and the letter of recommendation should be received by **Dr. R. L. Scott, Chairman, Department of Chemistry, University of California, Los Angeles, California 90024**, by 1 November 1973.

CHINA SPECIALIST

Committee on Scholarly Communication with the People's Republic of China, National Academy of Sciences, 2101 Constitution Ave., Washington, D.C. 20418. Excellent position for China specialist interested in exchanges in sciences and humanities. Writing and administrative skills essential; language ability important, some travel. Salary open. *An Equal Opportunity Employer.*

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CSIRO

CENTRAL INFORMATION LIBRARY AND EDITORIAL SECTION APPOINTMENT OF OFFICER-IN-CHARGE

The Executive of CSIRO invites applications for the position of Officer-in-Charge of the newly formed Central Information, Library and Editorial Section. The functions of the Section, as set out below, are to be developed to include research in related fields.

CSIRO, a Government instrumentality, is the largest scientific research organization in Australia. Its research embraces a wide range of scientific and technological activities directed to the advancement of Australia's primary and secondary industries and to the maintenance and development of Australia's resources. The Organization's total annual budget is in excess of \$A80 million and it has a total staff of 6500 located in laboratories and field stations throughout Australia.

CSIRO's statutory functions include a broad cross section of "information science" and what has been described recently as "informatics," the collection, processing, retrieval, and dissemination of information related to scientific and technical matters and the publication of scientific and technical reports, periodicals, and papers. The Organization has a substantial library and information service based in Melbourne, and decentralized operating groups in each of its major laboratories. It also has a group in Melbourne concerned with editorial and publication services.

The central library and information services are concerned primarily with meeting the needs of CSIRO's scientific staff, but also assist in the application of research for the Australian community by the dissemination of scientific and technical information.

The collected library holdings located at the Central Library and research centers total in excess of 1 million volumes excluding pamphlets and material held in microform. The largest and most important segment of the collection is 20,000 serial titles. In addition to library and translation services, the Central Library and Information Service provide current awareness, SDI and other information services based on a number of international computer-based abstracting services and on CSIRO research work.

The Editorial and Publications Service publishes the eight Australian Journals of Scientific Research, as well as a variety of other scientific and technical publications. It has extensive printing facilities.

It has been decided that these activities should be regrouped into one Section comprising the existing three major operational units headed by the Manager, Information Service, the Chief Librarian and the Editor-in-Chief. In addition to its operational activities, the new Section will undertake research into aspects of information storage, retrieval, and dissemination necessary to improve the accessibility and use of scientific and technical knowledge.

The appointee will be responsible to the CSIRO Executive for the coordination and development of these operational units, for the development, planning, and carrying out of a research program and for liaison with interactive bodies in Australia and overseas having similar interests.

The staff of the new Section, totaling approximately 130, including librarians, scientists, editors, information officers, and general support staff, could be expanded to include research scientists. The Section has access as required to an Australia-wide computing network centered on a CYBER 76 operated by the Organization's Division of Computing Research.

Applicants for the position of Officer-in-Charge should have had proven research experience in information science or a scientific discipline related to the Organization's overall scientific programs and preferably experience in at least one of the broad areas encompassed by the Section.

Appointments to the Organization are normally made for an indefinite period. However, tenure for this position is subject to negotiation. Salary for the position will not be less than \$A18,175 per annum, but salaries are currently under review.

Persons interested in the position should write to the Secretary (Administration), Head Office, CSIRO, P.O. Box 225, Dickson, Canberra, A.C.T., 2602 Australia, from whom further details can be obtained.

Applications should contain a resume of qualifications and experience, the names of at least two referees, and should be received at the above address by 30 November 1973.

Biochemical Pharmacologist

A Ph.D. with a strong background in biochemical pharmacology is invited to join the multidisciplinary research team of the Department of Pharmacology. Familiarity with quantitative procedures in neurochemistry and the analysis of autonomic neuro-transmitters is desirable. Two to three years of post-doctoral experience and publications in biochemical pharmacology are requisites.

This position will involve supervision of a laboratory of biochemical pharmacology and active participation in conceiving and organizing novel research programs.

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The Sterling-Winthrop Research Institute is the research division of Sterling Drug Inc., one of the world's largest producers of medicinal agents. The Institute employs about 600 people and is engaged in a very active research program. The Institute is located near Albany, on a plateau overlooking the Hudson River Valley, in the heart of the New York State vacation land.

Write qualifications to Mr. C. E. Alford, Director of Personnel

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BUSINESS MANAGER

The American Society of Plant Physiologists seeks a person to conduct the business affairs of the Society and the noneditorial affairs of the journal *Plant Physiology*. Business experience or training required, some scientific and editorial background desired. Office location: Bethesda, Maryland. Salary will depend on experience and qualifications. A detailed job description is available. Please send complete résumé, references, and expected salary to J. B. Hanson, Chairman of Search Committee, ASPP, 289 Morrill Hall, University of Illinois, Urbana, Ill. 61801.

FULL-TIME POSITIONS AVAILABLE SEPTEMBER 1974

Chemical Engineering
Civil Engineering—Environmental Engineering and Water Resources, Physical Systems Design and Quantitative Planning of Architectural Systems
Electrical Engineering—Digital Circuits, Circuit Analysis, Energy and Power Systems, Systems
Industrial Engineering—Human Factors, Operations Research
Mechanical Engineering—Design/Systems, Fluid and Thermal Sciences
School of Information and Library Studies
Academic rank and salary open. Send résumé to: Dr. William Gill, Provost, Faculty of Engineering and Applied Sciences, State University of New York at Buffalo, 128 Parker Engineering Building, Buffalo, New York 14214. An Equal Opportunity, Affirmative Action Employer.

DEVELOPMENTAL BIOLOGIST

Candidate should have a Ph.D. in Zoology with training in Developmental Biology and experience in Electron Microscopy. Position is at the assistant professor level involving primarily teaching; however, research is strongly encouraged. University is an equal opportunity employer. Send curriculum vitae, transcript copies, and references, by 22 October 1973 to: Dr. M. A. Rouf, Chairman, Biology Department, UW-Oshkosh, Oshkosh, Wisconsin 54901.

DIRECTOR

NEW MEXICO BUREAU OF MINES & MINERAL RESOURCES—a division of New Mexico Institute of Mining & Technology. To direct a diversified program of basic and applied research and public service in geology, mineral and fuel resources, metallurgy, and mining technology for New Mexico. Position demands thorough training in earth sciences and minerals technology, plus considerable experience at administrative level. Advanced degree required in appropriate field of specialization. No consulting privileges. The closing date is 15 November 1973. Send application and résumé to:

Dr. Robert H. Weber, Committee Chairman
New Mexico Bureau of Mines
Socorro, N.M. 87801

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DEAN

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

The University of South Florida in Tampa is seeking a Dean for the College of Social and Behavioral Sciences. This College has 8 departments (Anthropology, Geography, History, International Studies/Interdisciplinary Social Sciences, Political Science, Psychology, Sociology, and Speech Pathology & Audiology), and 7 major programs (Afro-American Studies, Aging Studies, Behavioral Science, Criminal Justice, Leisure Studies, Rehabilitation Studies, and Women's Studies). The College currently enrolls 4000 students, with a faculty of approximately 140. Graduate degrees are offered in 10 fields including the Ph.D. in Psychology. A background of administrative and teaching experience, scholarly work and published research in the field is required; salary negotiable. Application deadline 15 October 1973. Address to: Dr. Roger T. Grange, Chairman, Search Committee, Anthropology Department, University of South Florida, Tampa, Florida 33620.

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Richten Sie bitte Ihre Bewerbung bis 5 Oktober 1973 mit Lebenslauf, Lichtbild, Zeugnissen und Veröffentlichungsliste an die Geschäftsführung der Gesellschaft für Kernforschung m.B.H., 75 Karlsruhe, Postfach 3640.

**DEAN
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The University of South Florida in Tampa is seeking a Dean for the College of Natural Sciences. This college has seven departments (Astronomy, Biology, Chemistry, Geology, Marine Science, Mathematics, Physics), 147 full-time faculty, and more than 2000 student majors. The Ph.D. degree is currently awarded in Biology, Chemistry, and Mathematics, and additional programs are planned in the near future.

A background of administrative and teaching experience, scholarly work and published research in the field is required. The salary range is \$30,000 to \$35,000. *Application deadline 15 October 1973.* Address to **Dr. J. H. Hunter, Chairman, Search Committee, Astronomy Department, University of South Florida, Tampa, Fla. 33620.** *The University of South Florida is An Equal Opportunity Employer.*

GEOPHYSICS

Desire Ph.D. Fall 1974 with background in applications of geophysics to solutions of geologic problems in the broadest sense. Teach basic courses in geophysics and supervise research in young, field-oriented geology department. Curriculum vitae to **Prof. G. E. McGill, Acting Head, Department of Geology/Geography, University of Massachusetts, Amherst, Mass., 01002.**

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Experienced in manuscript preparation for professional journals. Hospital/research laboratory setting. \$12,000 to \$15,000. Michigan. Send résumé to

Box 491, SCIENCE

MICROBIOLOGIST

Desired 1 April 1974 or earlier to direct for 2 years a well-equipped and well-staffed leprosy research laboratory in Cebu, Philippines. The laboratory supports an active chemotherapeutic research program on leprosy. Some immunology helpful. Salary negotiable. Travel expenses provided. Send résumé or write for further information to: **Dr. Claude V. Reich, Leonard Wood Memorial, Johns Hopkins School of Hygiene, 615 N. Wolfe Street, Baltimore, Md. 21205.**

**SENIOR AQUATIC
ECOLOGIST**

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Candidate should possess ten to fifteen years of experience beyond the B.S. Degree as well as field experience. Additional experience should include supervision of scientific personnel involved in the performance of complex programs. Individual must also possess special skills in systematics and data evaluation.

Please send résumé to:

Nancy Root
Personnel Director



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POSITIONS OPEN

ELECTRON MICROSCOPIST

The Institute for Cancer Research, Fox Chase, Philadelphia, is planning to make a staff appointment at the Research Associate level to an individual who would be responsible for maintaining a high resolution electron microscope facility. The appointee would be involved in collaborative projects with various ICR laboratories covering a broad area of studies of tissues, cells, viruses, and macromolecules. Individual should have a Ph.D. or equivalent background, and should have considerable experience with transmission and preferably scanning microscopy, ultramicrotomy, and other ancillary techniques associated with electron microscopy. Salary commensurate with qualifications. The Institute is an equal opportunity/affirmative action employer. Persons interested in this position should send their curriculum vitae, and have at least two letters of recommendation sent, to **Dr. Manfred Bayer, Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, Pa. 19111.**

PHYSIOLOGIST

Ph.D., to assist in instructing dental and nursing students in physiology and to develop an independent research program. Rank and salary dependent on qualifications. Specialty other than endocrinology. Competency in Pharmacology desirable. Available January 1974 or later. Send curriculum vitae and statement of professional interests to: **Dr. Ralph A. Meyer, Jr., Department of Basic Sciences, School of Dentistry, Marquette University, 604 N. 16th Street, Milwaukee, Wisconsin 53233.**

**UNIVERSITY OF RHODE ISLAND
CHAIRMAN OR CHAIRWOMAN
PSYCHOLOGY**

Full professor with demonstrated administrative skill; scholarly professional productivity; July or September 1974. All areas of specialization will be considered. Salary is competitive and negotiable, depending on experience. Department consists of 19 Ph.D. faculty, 300 undergraduate majors, 70 graduate students in three Ph.D. programs (Clinical, General-Experimental, School). Provisional APA approval for clinical program granted in 1972. Desirable geographic-cultural location. Send curriculum vitae and letter describing your experience to **Dr. Albert J. Lott, Search Committee, Department of Psychology, University of Rhode Island, Kingston, R.I. 02881,** no later than 1 January 1974.

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PHARMACOLOGIST/PHYSIOLOGIST

The Department of Biological Sciences, University of California, Santa Barbara, is seeking applications for a position as Assistant Professor. The person appointed to this position will be expected to teach undergraduate and graduate courses primarily in pharmacology/physiology and to pursue an active research program in some area of pharmacology. Applicants should submit a curriculum vitae and request that three letters of recommendation be sent to: **The Chairman, Department of Biological Sciences, University of California, Santa Barbara, Ca. 93106.** *The University is an equal opportunity employer.*

VERTEBRATE BIOLOGISTS

Applications are being accepted from vertebrate biologists for Spring and Summer 1974 fieldwork in the western and eastern Canadian Arctic. Attractive salaries commensurate with experience and training. Send résumé to:

LGL Environmental Research Associates Ltd.
10240 - 124 Street
Edmonton, Alberta T5N 3W6

POSITIONS OPEN

**THE HEBREW UNIVERSITY OF JERUSALEM
THE FACULTY OF SCIENCE**

Applications are invited for Postdoctoral Fellowships for the academic year 1974/1975

In the fields of Mathematics, Physics, Chemistry, Life and Earth Sciences

The applicant is required to submit his application (in letter form) before 1 December 1973, together with a list of his publications and curriculum vitae, containing details of his marital status, to the Chairman of the Institute in which he desires to carry out postdoctoral research. Applications for research in Earth Sciences should be submitted to the appropriate Head of Department, i.e., Geology, Geography or Atmospheric Sciences. All applicants are requested to address copies of their correspondence to the Dean, Faculty of Science.

The applicant is further required to arrange for at least two letters of recommendation, from persons well acquainted with his academic and personal record, to be directed to the relevant Chairman or Head of the Department. Recommendations should reach their destination by 1 December 1973.

The fellowship provides for a tax-free salary ranging from approximately IL14,000 to IL16,000 (dependent on the candidate's marital status), which is payable in 11 monthly instalments. The faculty usually allows for a single air ticket to Israel, and a similar allowance is made if the candidate leaves Israel on completion of his tenure as postdoctoral fellow.

The fellowship is intended primarily for persons who attained their degree in very recent years, and for those who will complete all requirements for the Ph.D. degree before the autumn of 1974.

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