

Personnel Placement

POSITIONS WANTED

Aquatic Ecologist, Ph.D.; 32. Publications. NSF grants in aquaculture (including present grant), industrial consultant, 6 years of teaching experience. Desires research/teaching/administrative position in New England or Middle Atlantic states. Call 504-446-6533 after 6:00 p.m., or write Box 464, SCIENCE. 1/2

Biochemist-Neoplasms, lipids, Ph.D. 1965. Experienced in metabolic, structural, nutritional, enzymatic, and biomembrane research; in vivo and in vitro. Thirty publications. Box 419, SCIENCE. X

Biochemist, Ph.D. (1965), background in metabolism and enzymology. Postdoctoral and teaching experience. Interested in medical biochemistry position with opportunity for research, teaching. Midwest only. Box 476, SCIENCE. X

Biologist. Medical entomology/genetics. Ph.D. 1968. Postdoctoral research, publications, research and field experience in tropics, some teaching experience. Desires teaching position with opportunities for continuing research. Available fall, 1970. Box 477, SCIENCE. X

Biomedical Translations. From German and French into impeccable English. Direct, independent service to industry, research scientists, consultants, etc. P.O. Box 489, Forest Hills, N.Y. 11375. X

M.S. Electrical Engineer, 47, with 15 years of experience in design of digital electronic equipment, seeks association with small employee-owned enterprise engaged in the manufacture and sale of student science instruments and apparatus; contact is also sought with talented individuals willing to join in founding such an enterprise. Box 478, SCIENCE. X

Microbiologist-Biologist, Ph.D. 1961. Nine years of university teaching and research. Desires position in good liberal arts college biology department. Box 479, SCIENCE.

Neurobiochemist, Ph.D., experienced, teaching and/or institute position sought, preferably in Southeast. Biochemical, analytical, and functional activity stressed. Box 480, SCIENCE. X

Photobiologist-Plant Physiologist, Ph.D. 1969; postdoctoral experience, publications. Seeks teaching/research position. Available July 1970. Box 472, SCIENCE. 1/2

Physiological Psychologist, 29, Ph.D. 1967. Research background in sensory and comparative neuropsychology. Desires teaching position in northeast U.S., northwest Canada. Box 484, SCIENCE. X

Plant Physiologist, Ph.D. due in June 1970, desires teaching/research position in university or college. Box 473, SCIENCE. X

Physiologist/Zoologist, Ph.D., 33 years old, seeks teaching/research position; college teaching experience, postdoctoral training in fish physiology. Box 474, SCIENCE. X

Soil Scientist, Agronomist, Ph.D., desires research position in plant nutrition, fertilizer technology or soils. Box 481, SCIENCE. X

Zoologist, Ph.D. Comparative physiology and biochemistry, cell physiology. Ten years of medical and industrial research, 5 years of college teaching. Publications. Desires teaching or research position. Box 482, SCIENCE. X

Zoologist-Ecologist, 28, M.S., Ph.D. Teaching experience. Two years of postdoctoral research. Publications. Competence: primatology; mammalogy; ichthyology; vertebrate behavior, ecology, physiology, zoology; tropical botany. Seeks teaching-research position after June 1970. Box 483, SCIENCE. X

POSITIONS OPEN

SENIOR MICROBIAL BIOCHEMIST

Ph.D. with solid background in basic chemistry for studies on fermentation products—isolation and identification of antibiotics, other microbial metabolites and precursors. Experience essential in isolation methodology—all forms chromatography and solvent extraction techniques. No screening. No interest in those primarily concerned with molecular, structural, intermediary or bacterial metabolism. Liberal publication policy. Conveniently located modern research center international pharmaceutical manufacturer in Northern New Jersey. Base salary—mid to upper teens, plus liberal fringe. Immediate availability.

Write or Call:

PACKARD ASSOCIATES

3 Water Lane
Manhasset, N.Y. 11030

516 - 627 - 0656

FACULTY POSITION

Applications are solicited for a post of assistant or associate professor of biochemistry in the chemistry department at a medium-sized state university on the East Coast. Minimum requirement is 2-year full-time postdoctoral work on EPR, NMR, or fluorescence spectroscopy of biochemical systems. Appointment begins September 1970. Write to Box 462, SCIENCE.

BIOCHEMIST

Ph.D., preferably experienced in oncogenic viruses and virology. Full-time research with opportunity to develop own interests. Very congenial group in well-endowed and equipped, productive laboratory. Beautiful surroundings. Near colleges; 1 hour, Albany. Write with credentials to Dr. Helene W. Toolan, Director, Putnam Memorial Hospital Research Institute, Bennington, Vermont 05201.

THE UNIVERSITY OF WESTERN ONTARIO LONDON, ONTARIO, CANADA

Chairman of Department of Biophysics

Applications for this position are invited from persons interested in teaching and research in a health sciences environment. The successful candidate would be expected to set up his own research program, train graduate students, and help maintain the existing undergraduate honors program in biophysics. The existing research interests of the present faculty members (7) include biophysics of blood vessels and blood flow, cells, cell membranes, and radiobiology, with the use of infrared spectrophotometry, electron paramagnetic resonance, micromanipulation, etc. The applicant could share these interests or bring any other biophysical interest which is medically oriented (e.g., neurobiology, radiobiology, etc.). Applications should be forwarded to Dean D. Bocking, Faculty of Medicine, Health Sciences Centre, with curriculum vitae, list of publications, letter outlining interests, and two references. Closing date, 1 March 1970. Position becomes available July 1970, or later if necessary.

UNIVERSITY OF WESTERN AUSTRALIA PHARMACOLOGY

Applications for appointment as LECTURER in the Department of Pharmacology are invited from persons holding a higher degree in Science or Medicine or from graduates in Medicine with a postgraduate qualification in Science. The salary range is \$A5400-7300 per annum plus superannuation.

Intending applicants are requested to obtain details of the procedure to be followed in applying for the post and a copy of the conditions of appointment before submitting their applications. This information is available from the Secretary-General, Association of Commonwealth Universities (Apts), 36 Gordon Square, London, W.C.1. Applications close on 31 January 1970.

POSITIONS OPEN

SENIOR MARINE BIOLOGIST— AQUACULTURE

Opportunity for a senior biologist with the ability to plan and supervise development of mass larvae culture techniques for crustaceans and marine fish. This is a career position at a recently established laboratory in Marathon, Florida. Opportunities for advancement are exceptional. Please send complete résumé to

Richard S. Reed,
Director of Aquaculture Research
Inmont Corporation
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PEPTIDE SEQUENCING MARKETING/APPLICATIONS

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PHYSIOLOGIST

Recent Ph.D. with experience in the field of vertebrate or comparative physiology to teach undergraduate and graduate courses and to do research and direct graduate students. Position open in January. Apply to:

Dr. Alfred V. Liberti, Chairman,
Department of Biology
St. John's University
Jamaica, New York 11432

PHYTOCHEMIST OR NATURAL PRODUCTS CHEMIST

Director of research in phytochemical division of a small but rapidly expanding pharmaceutical company. All inquiries held in strictest confidence.

Box 486, SCIENCE

THE UNIVERSITY OF MANITOBA

invites applications for the position of Professor and Head of the Department of Statistics. Currently there are 12 faculty members in the department which offers programmes leading to the Master's degree. Proposals for a Ph.D. programme are at present under consideration. A large and multidisciplinary complex of laboratories and institutes located on the campus provides a stimulating environment for research and teaching. The current salary minimum for a Professor is \$17,000, but the actual appointment will be made at whatever higher salary level is appropriate to the qualifications of the appointee. Apply by air mail giving curriculum vitae to:

Dr. R. D. Connor
Dean of Science
University of Manitoba
Winnipeg 19, Canada

PROTEIN CHEMIST

Recent Ph.D. or experienced M.S. For full-time research on relation between protein structure and reactivity of functional groups.

Box 461, SCIENCE

SCIENTIFIC INSTRUMENT SALESMAN/MANAGER

We are a major importer and manufacturer of microscopes and related equipment. We need a salesman for rapid advancement to sales manager. He must be thoroughly familiar with optical systems and have min. 5 years' successful sales record identical field. We offer top salary, commission, bonus, liberal fringe benefits and travel allowance, etc. Send complete résumé to HACKER INSTRUMENTS, INC., Box 646, W. Caldwell, N.J. 07006.

POSITIONS OPEN

Applications are invited for positions of Assistant or Associate Professor in the Department of Anatomy, Sir Charles Tupper Medical Building, Dalhousie University, Halifax, Nova Scotia, Canada. Owing to the revised medical curriculum, and the larger classes in medicine, it has become necessary to enlarge the staff for instruction in the areas of gross and neuroanatomy. Previous teaching experience in anatomy is essential, and preference will be given to applicants who have had both teaching and research experience. The salaries offered are in line with those offered by other Canadian schools, but take into consideration the training and qualifications of the applicant. The School of Medicine is housed in one of the most modern buildings in Canada, and the Department of Anatomy has excellent research facilities. It is well equipped for work in the fields of light, conventional and scanning electron and x-ray microscopy. Applications should be made to the Secretary, and contain a biography, recent photograph and names of three referees.

POSITIONS OPEN

ADMINISTRATIVE ASSISTANT

Some knowledge of and familiarity with grant applications, especially budget preparation and reporting would be valuable.

Other administrative chores related to personnel, equipment, laboratory space, and fiscal control in large non-profit research institution in New York area.

Technical background in biology and medicine helpful but not essential.

BOX 485, SCIENCE

CONFERENCE

FOURTH INTERNATIONAL CONFERENCE on MAGNETIC RESONANCE IN BIOLOGICAL SYSTEMS (A NATO ADVANCED STUDY INSTITUTE) St. Catherine's College, Oxford, England August 26th to September 2nd, 1970

The purpose of the conference is to bring together scientists of many disciplines who are concerned with the application of resonance methods to the study of biological systems. Introductory lectures will be given in each session by acknowledged experts in biochemistry, biophysics and magnetic resonance. Other lecturers will describe recent advances in the subject. There will be many discussion periods which, it is intended, will lead to a full interchange of views and information.

The number of attendees must be strictly limited to 150, including lecturers. Limited funds are available to assist some participants with their expenses. Application forms may be obtained from Professor R. E. Richards, F.R.S., Physical Chemistry Laboratory, South Parks Road, Oxford, and participants will be selected by the Organising Committee from applications received by March 1st, 1970.

GRADUATE STUDY

ADVISORS

Do you advise biology, mathematics, physics or pre-med students who are interested in the chemical and physical aspects of life? The Department of Radiation Biology and Biophysics at the University of Rochester offers interdisciplinary degree programs in Biophysics, Radiation Biology and Toxicology for such students. A wide variety of fellowships and assistantships are available. Career opportunities exist in the fields of teaching, industrial, governmental and university research, as well as the new areas of environmental and public health.

For information write:

Dr. James R. Coleman
Department of Radiation Biology & Biophysics
University of Rochester School of Medicine
and Dentistry
Rochester, New York 14620

PREDOCTORAL TRAINEESHIPS IN BASIC MEDICAL SCIENCES

Biological Chemistry
Human Anatomy and Cell Biology
Microbiology and Immunology
Pharmacology and Neurosciences
Physiology and Bioengineering

Prerequisites: Recent Bachelor's degree with overall "B" average. Physics, biology and organic chemistry, U.S. citizens or permanent residents only.

Facilities: Comprehensive basic science and clinical laboratories. Multidisciplinary faculty and independent graduate college administration of M.S. and Ph.D. degrees.

Initial Stipends: \$2400 plus tuition, fees and dependency allowance.

Graduate College
University of Illinois Medical Center
P.O. Box 6998, Chicago, Illinois 60680

GRADUATE STUDY

Positions are available in the Graduate Studies Program of the Department of Physiology and Biophysics at the University of Kentucky. Graduates with a baccalaureate in Biology, Chemistry, Physics, Psychology, Mathematics, or Engineering may apply. Areas in which training may be obtained include neurobiology; cardiovascular and respiratory physiology; and cellular, endocrine, developmental and comparative physiology. Special programs may also be arranged in bioengineering. Traineeships begin at \$2400 plus tuition and allowances for dependents. Address inquiries to the Chairman of the Department of Physiology and Biophysics, University of Kentucky Medical Center, Lexington, Kentucky 40506.

MOLECULAR SCIENCE

The PHYSICS DEPARTMENT of Southern Illinois University is now accepting applications for graduate study leading to the Ph.D. degree. Properly qualified students from the physical and life sciences, engineering, and mathematics are invited to apply for advanced study. Interdisciplinary research specializations within the new program in Molecular Science encompass atomic-molecular physics, biophysics, chemical physics, crystallography, geochemistry, geophysics, materials science, mathematical physics, molecular genetics, nuclear physics, and solid state physics. Within the doctoral program, physics plays the primary role in the basic academic structure and is universal in its application to these research specializations.

Graduate teaching assistantships and fellowships are available. Stipends range from \$290 per month minimum to \$340 per month. Further information is available from Dr. John R. Zimmerman, Chairman, Department of Physics, Southern Illinois University, Carbondale, Illinois 62901.

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For the planning, design and execution of editorial assignments in animal science research literature and information group. Demonstrated mastery of the written word a prime requisite.

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Manager Field Station

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Please forward confidential resume including salary required to: D. B. James

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GRADUATE STUDY

University of Colorado
and
Environmental Science Services Administration

The Cooperative Institute for Research in Environmental Sciences (CIRES) on the University of Colorado campus is intended to promote research and teaching in solid earth geophysics, oceanography, radio propagation, the physics of the upper and lower atmospheres, and solar terrestrial relationships, and to serve as a center for multidisciplinary collaboration of research workers from Boulder and the entire world.

The permanent Fellows of CIRES are J. C. Harrison (director), G. C. Reid, J. R. Wait, and J. W. Warwick.

A Visiting Fellowship program provides funds to enable scientists working in these fields to spend a period of time, normally a year, with CIRES. Applications for Visiting Fellowships for the academic year 1970-1971 are due **before 31 March 1970**. Further information may be obtained from the Cooperative Institute for Research in Environmental Sciences, University of Colorado, Boulder, Colorado, 80302, USA.

PREDOCTORAL TRAINEESHIPS IN MICROBIOLOGY AND IMMUNOLOGY

For chemistry and biology majors to do graduate work leading to the Ph.D. Prerequisites: Recent Bachelor's degree in biology or chemistry with "B" average. Ample stipends and free tuition. Training and research in immunochemistry, immunogenetics, molecular and cell biology, virology, mycology and bacteriology. Write for details to: **Dr. Sheldon Dray, Department of Microbiology, University of Illinois at the Medical Center, P.O. Box 6998, Chicago, Ill. 60680.**

GRADUATE STUDY IN PHARMACOLOGY. A program leading to the Ph.D. degree involving course work and research training which stresses research on fundamental mechanisms of drug action on neural, neuro-humoral, membrane transport, and endocrine systems using electrophysiological, biochemical and computer techniques. Full stipend and tuition available to qualified U.S. citizens. *Early application for September 1970 strongly advised.* **Department of Pharmacology, Schools of Medicine and Dentistry, State University of New York at Buffalo, 122 Capen Hall, Buffalo, N.Y. 14214.**

A POSTDOCTORAL FELLOWSHIP IN REPRODUCTIVE PHYSIOLOGY

is available for the year 1970-1971. For information contact

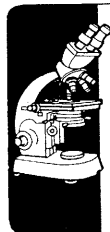
Dr. R. L. Brinster
School of Veterinary Medicine
University of Pennsylvania
Philadelphia, Pennsylvania 19104

GRADUATE ASSISTANTSHIPS IN BIOCHEMISTRY

New programs in a rapidly expanding department leading to the M.S. or Ph.D. degree. Research opportunities include biochemical aspects of reproductive endocrinology, clinical biochemistry of learning and behavioral mechanisms, oxidative and photosynthetic phosphorylation, biochemical pharmacology and toxicology, biochemistry of marine organisms, physical properties of biological macromolecules. Write: **A. R. Krall, Department of Chemistry, Medical University of South Carolina, Charleston, South Carolina 29401.**

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SELENOLOGISTS

To join advanced mission planning team. Should have specialist knowledge of scientific exploration of Moon. Requirements are good theoretical understanding of the moon as a planet, with Ph.D. in planetology or astronomy preferred.

PLANETARY SCIENTISTS

Two openings currently exist. One requires specialization in planetology and the other in planetary atmospheres. A strong theoretical background is essential (Ph.D. in astronomy, space sciences, etc.). Both opportunities are related to advanced mission analysis but will lead to participation in space flight experiments. Candidates must show some ability in this direction.

ORBITAL MECHANICISTS

Basic orbital problems are fairly well defined, but there is a considerable need for new and original analytical techniques. The successful candidate with a strong theoretical understanding of orbital mechanics (Ph.D. in astronomy, physics or mathematics) will examine all aspects of interplanetary flight and planetary intercept. Special emphasis on low thrust and gravity-assist flight modes as well as atmospheric entry and landing at all planets.

IIT Research Institute is an independent, contract research organization serving industry and government. Its activities encompass nearly all of the physical and biological sciences and their related technologies. If interested, please communicate in confidence with Mr. J. Katzenberger.



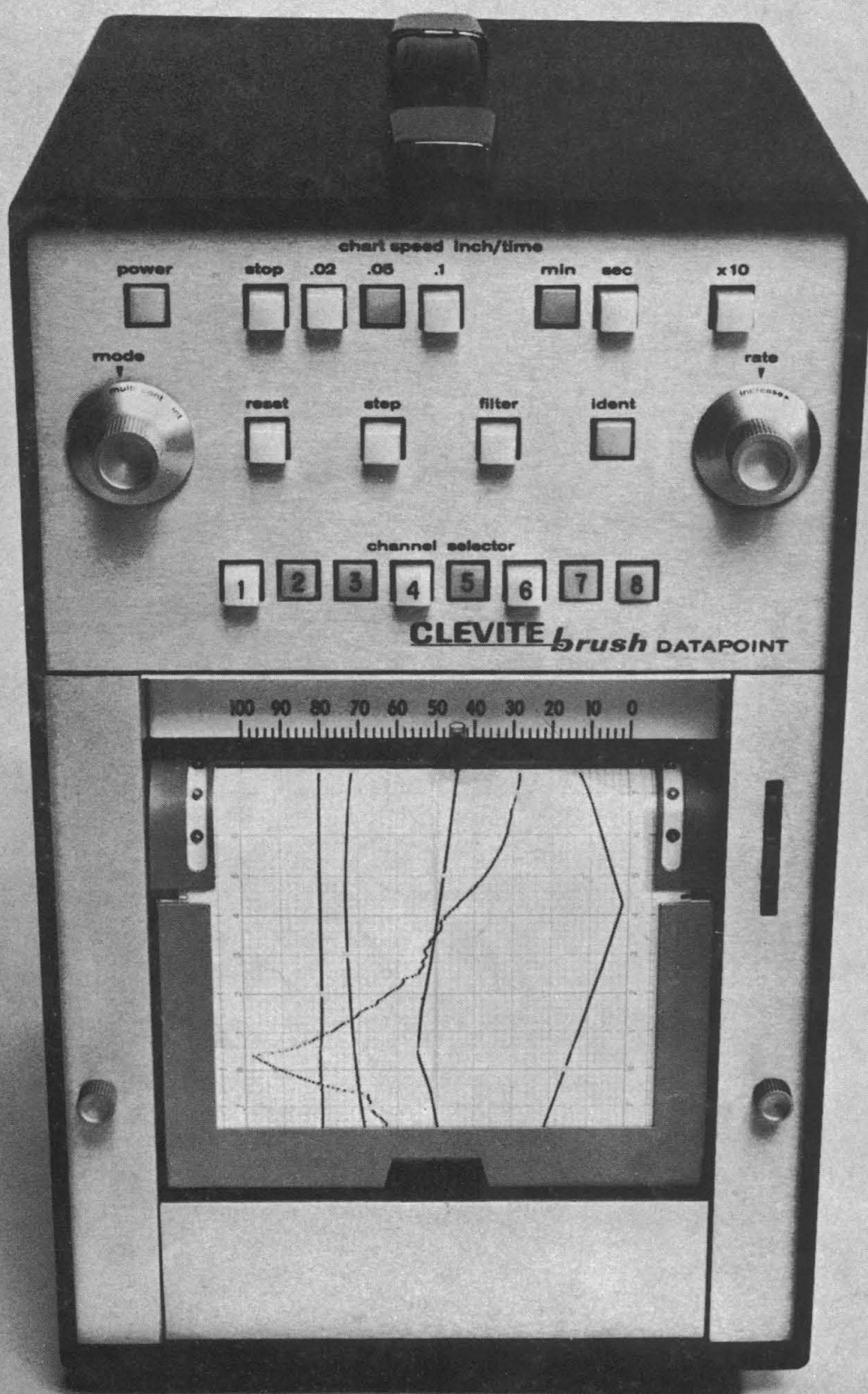
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