

Personnel Placement

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POSITIONS OPEN: \$110 per inch. No charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Ads over 1 inch will be billed to the nearest half inch. Payment in advance is required except where satisfactory credit has been established.

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SCIENCE, Room 211
1515 Massachusetts Ave., NW
Washington, D.C. 20005

Replies to blind ads should be addressed as follows:

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

POSITIONS WANTED

Anatomist, Ph.D. Desires teaching research position. Histology, embryology, gross anatomy teaching experience. Interest tissue ultrastructure. Box 423, SCIENCE. X

Biochemical Pharmacology, Ph.D., 5 years of research and teaching experience. Interest in area of drug disposition and toxicology, man or animal, academic or research position. Box 424, SCIENCE.

Biomedical Engineer: registered, electrical instrumentation; 15 years' aerospace, 7 years' hospital and medical school faculty, publications. Seeks position as research team member, principal investigator, teaching, or administration. Write Horace Castillo, 404 N. Plum St., Springfield, Ohio 45504.

Cancer Research, M.D., Ph.D. Aim: experimental approaches to cancer directed toward clinical applications. Long-time cancer research, teaching and administrative experience. Numerous publications. References. Box 409, SCIENCE. 12/1

Developmental Biologist, Ph.D. Extensive experience in tissue culture. Primary interest: neural differentiation and regeneration. Desires research position in industrial or academic institution. Box 425, SCIENCE. X

Developmental Biologist-Endocrinologist, Ph.D. Vertebrate and invertebrate embryology, developmental biology, mammalian and invertebrate endocrinology, reproductive physiology, neuroendocrinology; broad basic experience in anatomy, histology, and morphology. Desires teaching-research position. Box 426, SCIENCE. X

Electron Microscopist, Ph.D. Experienced in all known EM techniques on any form of biological material. More than 10 years of teaching and research experience. Box 427, SCIENCE. X

Endocrinologist-Fish Physiologist, Ph.D. 1972: publications, experienced in experimental surgery, blood chemistry; 7 years of teaching; prefers teaching/research position. Box 428, SCIENCE. X

Generalist wants challenge. M.S. Background in environmental studies, astronomy, literature. College teaching and top administrative experience. Many publications. Box 429, SCIENCE. X

Immunochemist, 32; engineering (1965), Ph.D. (1968) biophysic. chem. Research United States or abroad/English-French-German-Dutch. Fractionation/immuno-electrophoresis (Laurell-Freeman)/radioimmunoassay; free 1973. Box 430, SCIENCE. X

Medical Genetics, pediatrician with M.S. (human genetics) public health qualifications and experienced genetic counsellor desires position using these skills. Box 431, SCIENCE. X

POSITIONS WANTED

Microbiologist, Environmentalist, Writer/Editor. MSPH. Numerous publications. Orientation: natural resources, public health, foods, fisheries, ecology. Eligible for retirement from federal conservation agency; ready for second productive career. Box 432, SCIENCE. X

Ph.D. Microbiologist and Immunologist; microbiologist of multihospital laboratory management corporation; 5 years of clinical experience; medical school faculty; interested in lab management and applied research. Box 433, SCIENCE. 11/24

Microbiologist-Virologist, Ph.D. Mature recent graduate (microbial physiology). Industrial background in tissue culture, viral oncology, and antibiotics. Desires challenging position on East Coast. Box 434, SCIENCE. X

Microbiologist, Ph.D., industrial, academic, management experience. Desires industrial research or management position in South. Prefers small company. Box 435, SCIENCE. X

Nutritionist, Ph.D. (1967), 2 years of academic experience, 3 years of industrial technical sales and management. Desires academic or industrial position. Box 436, SCIENCE. X

Organic Chemist/Biochemist, Indian Ph.D. worked as biochemist in United States and West Germany, teaching and research experience for 5 and 12 years, respectively; 13 publications; have third preference immigration visa. Seeks research or teaching position in university or research institute. Contact Dr. S. P. Banerjee, 43 Essen, Florastrasse-30, West Germany. X

Ph.D. in 1966, research and teaching experience in biochemistry and microbiology; desires postdoctorate research experience preferably in virology or immunology in a department associated with a medical school. Box 437, SCIENCE. X

Ph.D. London University mathematical analysis. Eleven years of graduate and undergraduate teaching experience in India and United States. Differential equations, complex variable linear algebra, real and functional analysis, set topology. Good publications. Seeks teaching and/or research position. Box 438, SCIENCE. X

Pharmacology-Toxicology, M.S., 32 years old, several years of varied experience. Adaptable to current and long-range needs. Box 439, SCIENCE. X

Physician with biostatistical experience. Certified specialist internal medicine seeks position application of computer-based pattern recognition, clustering, and classification techniques to real medical problems. Box 415, SCIENCE. X

Physiological Psychologist, Ph.D. (expected early 1973), with interests in psychopharmacology, biochemical mechanisms in retardation and learning, and narcotic addiction. Publications and teaching experience. Seeking a teaching/research or research position in the United States or abroad. Box 440, SCIENCE. X

Plant Ecologist, evolution, Ph.D. 1970. Research and teaching experience. Seeks academic position or systems analysis group. Box 441, SCIENCE. X

Primate Biologist, 33, D.V.M., extensive laboratory and field experience. Presently wildlife biologist with government of Colombia. Seeking challenging opportunity in biological investigation, health and reproductive management and/or biomedical research utilization of primates or other nondomesticated species. Available early 1973. Dr. Robert W. Cooper, Smithsonian-Peace Corps Environmental Program, % American Embassy, Bogota, Colombia. X

Scientist/Administrator. Top management of development of scientific objectives and experiments for space program. Organization of scientists for space missions, technical reviews, and so forth. Thirty years' experience in research and research supervision on detonation processes, thermal, photolytic, electric discharge reactions, organic and biochemistry, mass spectrometry, and gas chromatography. Publications, patents. Box 442, SCIENCE. X

Young Enthusiastic Ph.D. Strong but diversified background; physiology, biophysical ecology, engineering, postdoctoral research, and university teaching experience. Fearless innovator ready to tackle new areas. Résumé on request. Box 443, SCIENCE. X

Zoologist, ecology, ethology. Humanist desires to transcend department barriers to teach human ecology, biosociopsychology. Ph.D. 1962. Grants, publications, honors. Academic position preferred. Box 444, SCIENCE. X

POSITIONS OPEN

Large midwestern university seeks to fill two positions in the **ANTHROPOLOGY DEPARTMENT** for Fall 1973.

1) Assistant/associate/full professor in social/cultural anthropology. Research area and focus open.

2) Assistant/associate professor in archeology/prehistory. Prefer ecological and/or quantitative interests, but geographic area of specialization open.

Applicants for both positions must have completed the doctorate by the beginning of the 1973 academic year. Applications should include a complete curriculum vitae with references. We are an equal opportunity employer. Reply **Box 445, SCIENCE.**

B.S. or M.S. Biochemistry and/or Organic Chemistry with or without experience. Basic biochemistry of mitochondrial metabolism. Isolation, analysis, and study of function of proteins, cofactors, and hormones. Clinical biochemistry of stress, especially blood phospholipid analyses and prostaglandin interactions. Location near Philadelphia. Several positions available.

Box 403, SCIENCE

BIOCHEMIST (WITH RECENT Ph.D.)

Interested in biochemistry or biochemical pharmacology of membrane transport cation-activated ATPase, phosphoproteins. Send curriculum vitae to: **Chief, Personnel Division, 54th Street and 48th Avenue, Minneapolis, Minn. 55417.** An equal opportunity employer.

CELLULAR BIOLOGIST Ph.D.

Teaching/Research in eukaryotic cellular organization and function, assistant professor level beginning in January 1973. Write

Dr. G. F. Gwilliam
Department of Biology
Reed College
Portland, Oregon 97202

Reed Is an Equal Opportunity Employer

MONASH UNIVERSITY Melbourne, Australia

DEPARTMENT OF EARTH SCIENCES SENIOR TEACHING FELLOW/TEACHING FELLOW

Applicants should normally have completed a M.Sc. or Ph.D. degree and will be responsible for the preparation and presentation of practical classes in geology in various years of the science course. The successful applicant will be expected to start as early in 1973 as possible. Facilities will be available for the successful applicant to undertake research in collaboration with the staff members of the department.

SALARY RANGE: (Presently under review) Senior Teaching Fellow: \$A5441 to \$A6556 per annum; Teaching Fellow: \$A4465 to \$A5300 per annum.

BENEFITS: Traveling expenses for appointee and family, removal allowance, temporary housing for an initial period; repatriation after 3 years of appointment if desired.

Further general information and details of application procedure are available from **Mr. J. D. Butchart, Academic Registrar, Monash University, Wellington Road, Clayton, Victoria, 3168,** or the **Secretary General, Association of Commonwealth Universities, 36 Gordon Square, London W.C.1, England.** Inquiries may be addressed to Professor B. E. Hobbs, chairman of the department.

Closing Date: 30 November 1972.

The University reserves the right to make no appointment or to appoint by invitation.

ELECTRON MICROSCOPIST, CELL BIOLOGIST

Preferably with M.S., background in plant physiology and histochemistry. Skill in all phases of electron microscopy. Assist microscopist in small, quality Midwest research laboratory. **Box 446, SCIENCE.**

Equal Opportunity Employer

ENVIRONMENTALIST

The City of Seattle seeks an Environmental Analyst/Administrator to plan, develop and administer the environmental policies and programs of Seattle City Light. Requirements include degree and 5 years of professional experience in environmental analysis, with 1 year in an administrative capacity. Salary \$15,972 to \$18,684 plus excellent benefits. Submit résumé to: **Personnel Office, SEATTLE CITY LIGHT, 1013 Third Avenue, Seattle, Washington 98104.**

EQUAL OPPORTUNITY EMPLOYER

BIOCHEMIST

A manufacturer of Diagnostic Reagents located in Mid West seeks a Ph.D. Biochemist with considerable expertise in Protein Fractionation.

Specifically we require 1 to 3 years experience, with a background in Column Fractionation and/or, Ion Exchange Chromatography.

We offer the successful candidate an opportunity to participate in the development of diagnostic reagents plus an attractive salary and commensurate benefits.

Please send your résumé to: **Box 404, SCIENCE**

All Replies will be held in strict confidence.

An Equal Opportunity Employer

IMMUNOCHEMIST

New England company presently in field of laboratory and clinical products is establishing capability of producing biochemical reagents for use in clinical and diagnostic tests. We require a senior immunochemist-biochemist skilled in the techniques of antiserum development and immunological methods to be responsible for development and production of such materials. There will be considerable interaction with the clinical products development group, both in defining product needs and in interaction with project scientists and engineers.

Box 447, SCIENCE

Medical Editing and Rewriting . . . Full-time position to assist in preparation of manuscripts for medical and engineering journals; includes close work with young author-investigators whose native language is not English. Must be experienced in medical or scientific writing for professional publications. Midwest medical school-affiliated hospital. Send résumé to **Box 400, SCIENCE**.

In accordance with University principles of fair practice employment, inquiries are invited for the position of **ASSISTANT PROFESSOR OF MICROBIOLOGY** at the University of Pennsylvania School of Medicine. Applicants should have a doctoral degree with competence and research experience in any of the following fields: (i) Tumor virology, (ii) mammalian cell biology, (iii) electron microscopy (cell structure), or (iv) molecular mechanisms of bacterial pathogenesis. Applications containing curriculum vitae and three references should be sent to **Box 422, SCIENCE**. The University is an equal opportunity employer.

MICROBIOLOGIST

Teaching/research program at graduate level, centered on the biology and ecology of marine bacteria. Assistant professor level or possibly higher. Applications from minority members and women are especially solicited. Send résumé and names of four references to **Dr. David Epel, Scripps Institution of Oceanography, University of California, San Diego, La Jolla, Calif. 92037**.

UNIVERSITY OF HEIDELBERG

Two **ASSOCIATE PROFESSORSHIPS (Wissenschaftliche Räte AH2/AH3)** in **MICROBIOLOGY**

The positions are to be filled with a general microbiologist and a molecular biologist who are expected to represent their fields in research and teaching. Applications should be sent to: **Leiter der Fachgruppe Allgemeine Biologie, 69 Heidelberg, Berlinerstr. 15**. Closing date for applications is 15 January 1973.

PROGRESSIVE AND VERSATILE PHYSICIAN ACCOMPLISHED IN LABORATORY MEDICINE AND PATHOLOGY

Attractive situation for individual with firm grounding in creative academic diagnostic practice and clinical investigation. Opportunity in an institute devoted to basic research, clinical investigation, and specialized clinical practice. Considerable emphasis in immunology and immunopathology. Experience in viral immunology and immunopathogenesis desirable but not necessary. In a highly desirable lower population density Pacific Coast location. Position, salary, and fringe benefits depend on qualifications. Contact:

Dr. Thomas S. Edgington
Division of Clinical Pathology
Department of Experimental Pathology
Scripps Clinic & Research Foundation
476 Prospect Street
La Jolla, California 92037

TRANSPORT-ENDOCRINOLOGIST. Vacant position in this general area at the level of assistant or associate professor. Postdoctoral experience expected. Have funds for starting research assistant, supplies, and equipment. Write to **Dr. Adrian Hogben, Professor and Head, Department of Physiology and Biophysics, University of Iowa, Iowa City, Iowa 52240**, enclosing curriculum vitae and bibliography.

An Equal Opportunity Employer

MONASH UNIVERSITY Melbourne, Australia DEPARTMENT OF PSYCHOLOGY LECTURER

Applications are invited for the above-named appointment in the Department of Psychology, Faculty of Science, which teaches a major and honours course in the faculty. There are currently 14 staff; 12 research students. Applicants should be interested mainly in quantitative methods in psychology, statistical analysis and experimental design; it is hoped that the successful applicant will coordinate teaching in these areas. Both teaching experience and a higher degree or equivalent research qualifications are desirable.

SALARY RANGE (currently under review) Lecturer: \$A697 to \$A9286 per annum with superannuation based on an endowment assurance scheme, the employee and employer contributing 5 percent and 10 percent, respectively.

BENEFITS: Traveling expenses for appointee and family; removal allowance; repatriation after 3 years' appointment if desired; temporary housing for an initial period; availability of loans for home purchase, study leave entitlement accumulates at the rate of one month's leave for each 6 months' service up to 6 years, with provision for financial assistance.

Further general information and details of application procedures are available from **Mr. J. D. Butchart, Academic Registrar, Monash University, Wellington Road, Clayton 3168, Victoria** or the **Secretary-General, Association of Commonwealth Universities, 36 Gordon Square, London W.C.1, England**. Inquiries about the department to the chairman, **Professor R. H. Day**. Closing Date: 31 December 1972.

The University reserves the right to make no appointment or to appoint by invitation.

The Department of Psychology of the University of Pennsylvania is seeking candidates for positions at the level of Assistant Professor. The department has graduate programs in the following areas: Clinical Psychology and Experimental Psychopathology, Cognitive Psychology, Developmental Psychology, Learning and Motivation, Mathematical Psychology, Physiological and Comparative Psychology, Sensation and Perception, and Social Psychology. The department welcomes applications from any candidates in these or related areas. Applicants should be outstanding psychologists of their own age in scholarly potential, research accomplishments, and ability to teach at both the undergraduate and graduate levels. Applicants should forward a curriculum vitae, reprints, and copies of completed manuscripts to **Dr. Burton S. Rosner, Chairman, Department of Psychology, University of Pennsylvania, Philadelphia, Pennsylvania 19104**. A statement of at least 500 words about future research plans and desired teaching must accompany this material. Applicants should also solicit at least three letters of recommendation from appropriate faculty members who are acquainted with their work and their promise. Applications will not be considered to be complete until three such letters, vitae, and statement of plans have been received by **Dr. Rosner**. The University is an Equal Opportunity Employer.

INSTITUTE OF GENETICS UNIVERSITY OF COLOGNE 5 Köln 41, Weyertal 121, Germany

A postdoctoral position is available in the laboratory of **Dr. R. W. Davies, Abteilung Prof. Dr. B. Müller-Hill**. Experience with nucleic acids and/or proteins desirable.

PHYSIOLOGIST/ENDOCRINOLOGIST. Applications are invited for a full-time faculty position held jointly in the Department of Biological Sciences and the Division of Health Sciences. Ph.D. or M.D. to develop a teaching program in physiology and endocrinology in a new medical education program and to establish an independent research program. Prior experience is desirable but not necessary; Rank and salary depend on qualifications.

QUANTITATIVE ECOLOGIST Ph.D., assistant professor. Research interests at the population and/or community levels.

Send curriculum vitae and three letters of reference to: **Search Committee, Department of Biological Sciences, University of Delaware, 117 Wolf Hall, Newark, Delaware 19711**.

THE DEPARTMENT OF BIOLOGY UNIVERSITY OF SASKATCHEWAN SASKATOON

Will appoint one or two **ZOOLOGISTS** in the following fields: Developmental biology, comparative or environmental vertebrate physiology, and molecular biology. Positions may be filled at any academic rank. Effective July 1973. Curriculum vitae should be sent before 31 January to: **Dr. J. M. Naylor, Department Head**.

FELLOWSHIP

DOCTOR OF ARTS IN BIOLOGY

Postdoctoral fellowships are available now for qualified students interested in studying for the Doctor of Arts degree in Biology. Applicants must hold a Master of Science degree in Biology or its equivalent. For details of this new program and fellowship application materials write to: **Chairman, Department of Biology, Idaho State University, Pocatello, Idaho 83201**.

PREDOCTORAL FELLOWSHIPS

at the Sloan-Kettering Institute for Cancer Research leading to the Ph.D. at Cornell University. Stipends are \$2900 to \$3300 plus tuition. Biochemistry, biomathematics, bioorganic chemistry, cytology, endocrinology, genetics, immunology, microbiology, molecular and cell biology, pharmacology, radiation biophysics and chemistry, radiobiology, virology. Write: **Associate Director, Sloan-Kettering Division, Cornell University Graduate School of Medical Sciences, 410 East 68th Street, New York, N.Y. 10021**.

THE UNIVERSITY OF BRITISH COLUMBIA DEPARTMENT OF ZOOLOGY

Applications are invited for a position in **Experimental Field Ecology** at the Assistant or Associate Professor level. Preference will be given to applicants in vertebrate ecology. Teaching duties will include one senior undergraduate course and one graduate course. Appointment effective 1 July 1973. Curriculum vitae and names of three references should be submitted by 31 December 1972 to: **Dr. P. A. Larkin, Head, Department of Zoology, University of British Columbia, Vancouver 8, Canada**.

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, neurohumoral, membrane, and chemotherapeutic systems using electrophysiological, biochemical, behavioral, and computer techniques. Full stipend and tuition available to qualified U.S. citizens. Early application for September 1973 strongly advised. **Department of Pharmacology, Schools of Medicine and Dentistry, State University of New York at Buffalo, 122 Capen Hall, Buffalo, N.Y. 14214**.

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