


The Trace Elements and Some Other Trace Constituents. Henry A. Schoeder. Devlin-Adair, Old Greenwich, Conn. 1973. xii, 180 pp., illus. $7.95.


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Biochemist. Ph.D. 1974, female. Research experience in nuclear protein synthesis. Also interested in marine biochemistry. Postdoctoral or academic position desired. United States or Canada. Box 264, SCIENCE.

X


Biochemist. Ph.D. Several cyclic nucleotides research publications. Additional courses taken in immunology, clinical biochemistry, anatomy, physiology, and pharmacology. Seeks appropriate industrial, teaching, or research position, 210 North Avenue, NW, Apartment 83, Atlanta, Georgia.

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COMMENTS
Curator, Chemistry. Central stores manager of midwestern university for 2 years. Responsible for purchasing chemicals, supplies, and directing student workers. Looking for similar position in New England area. Box 268, SCIENCE.


Humin Cytopelogenist. Ph.D. Ten years' experience in clinical cytogenetics. Seeking position in charge of cytogenetics laboratory in medical center with opportunity to do research and teaching. Box 269, SCIENCE.


Mycotocologist. Ph.D. in plant pathology with a good background in biochemistry. Experience in identification of mycotoxins. Two years postdoctorate and many publications. Desires teaching and/or research position. Box 271, SCIENCE.


Recent Ph.D. with interdisciplinary background (physiology, electrical engineering) desires teaching or teaching/research position in predominantly undergraduate institution. Box 278, SCIENCE.

Toxicologist. Ph.D. in Toxicology. 1972. Two years of postdoctoral teaching and research experience. Strong in toxicology (mechanistic) and drug abuse. Desires research/teaching position. Box 281, SCIENCE.

More convenient way to store labile biologicals and chemicals that must be kept dry and/or cool.

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31 MAY 1974
Core Curator

Complete curating responsibility for an extensive collection of deep-sea sediments. Supervise processing and cataloging, edit core descriptions, staff and train geologists for research vessels, supervise distribution of core and dredge samples, be responsible for supplying ships with coring equipment, upgrade computer handling of data, supervise nine to ten people.

B.S. (or M.S.) in Geology. Supervisory ability. Prefer related experience at an oceanographic institute.

Please send resumes to:
Dr. James D. Hays
Lamont-Doherty Geological Observatory
Palisades, New York 10964

An Equal Opportunity Employer
**IMMUNOLOGIST-Ph.D.**

Merck Sharp & Dohme Research Laboratories has an exceptional career opportunity for a Ph.D. Immunologist in our high success Department of Virus and Cell Biology.

The selected candidate must bring to this position at least three years of contemporary knowledge in immunology and possess the ability to perform contemporary immunological techniques and to develop new techniques as required. Applied techniques will be utilized to establish immunological and serological assays directed to our microbial vaccine program. A knowledge of microbiology is also desired for this position.

An excellent salary, comprehensive benefits program, and a highly professional environment accompany this position at our attractive suburban location approximately 25 miles northwest of Philadelphia.

If interested, send complete résumé and salary requirements to:

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Merck Sharp & Dohme Research Laboratories

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West Point, Pa. 19486

Equal Opportunity Employer

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**UNIVERSITY OF MALAYA FACULTY OF SCIENCE**

Applications are invited for the posts of LECTURERS/ASSISTANT LECTURERS in the departments listed below. Subject to academic suitability and experience, preference will be given to candidates who are competent in Bahasa Malaysia (Malay). Candidates should have at least a good Honours degree with suitable teaching and research experience. For a Lectureship, a doctorate is normally required.

**DEPARTMENT OF MATHEMATICS:** Vacancies exist in the fields of Pure Mathematics, Applied Mathematics, and Statistics.

**DEPARTMENT OF PHYSICS:**

- **Two posts**
  - Salary scales (approx. stg. equv.): Lecturer £1524–2441; Assistant Lecturer £1330–1460 p.a. In addition the following allowances are payable: Variable Allowance £243 min., £649 max. p.a.; Supplementary Housing Allowance £503 p.a. and medical benefits.

Further particulars and application forms are obtainable from the Association of Commonwealth Universities, Appts., 36 Gordon Square, London WC1H OFF. The closing date for the receipt of applications is 21 June 1974.

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**University of New Brunswick**

Fredericton, New Brunswick Canada

Applications are invited for the following positions:

1. Assistant Professor with Ph.D. in Microbiology to teach undergraduate courses in Microbial Infection and Immunity (two-term course) and Applied Microbiology (one-term course). This position is renewable.
2. Assistant Professor with Ph.D. in Zoology to teach an undergraduate course in Experimental and Laboratory Techniques and assist in some other area of the candidate’s own specialty. This position is renewable.
3. Assistant Professor with Ph.D. in Genetics to teach a one-term undergraduate course in Introductory Genetics and a one-term course in Cytogenetics. This position is for one year only, replacing a faculty member on sabbatical leave.
4. Assistant Professor with Ph.D. in Animal Physiology to teach a two-term undergraduate course in Comparative Animal Physiology and a one-term undergraduate course in Endocrinology. This position is for one year only, replacing a faculty member on sabbatical leave.
5. Assistant Professor with Ph.D. in Plant Pathology to assist in courses dealing with plant pathogens and to assist in General Biology (Botany). This position is for two years only, replacing a faculty member on leave of absence.
6. Three Instructors to assume major responsibility for laboratory instruction in the following areas: (i) General Biology; (ii) General Microbiology; (iii) Experimental and Laboratory Techniques.

Salaries for the above positions will be commensurate with qualifications and experience but appointments will probably be made at, or near, the floor of the ranks advertised: Assistant Professor, $12,500 per annum; Instructors, $8,000 per annum. Applications should be received by 30 June 1974. Appointments effective 1 September 1974 or earlier if possible.

Applications, including curriculum vitae and names of three referees should be sent to: Dr. M. D. B. Burt, Chairman, Department of Biology, University of New Brunswick, Fredericton, New Brunswick, Canada.
THE DELFT UNIVERSITY OF TECHNOLOGY
CHAIR IN BIOLOGY

Applications are invited for a vacant chair in biology in the Department of Chemistry and Chemical Engineering. Appointee will be trusted with the following duties:

Teaching: The organization of an introductory course in biology for all students of the department and a course in computer simulation of biological systems.

Research: The initiation and direction of research devoted to one or both of the following themes:

1) Energy balances in biological systems
2) Mixed cultures of two or more organisms

Applicant should have experience in the formulation and experimental verification of quantitative models of biological systems. He should be willing to cooperate with biological and technological research groups in the department. Applications, including biography, giving full details of qualification, experience, publications, and names of two referees should be addressed to:

Prof. L. L. van Reijen
C/o Bureau van der Afdeling der Scheikundige Technologie
136 Julianalaan
Delft-2208, The Netherlands

At the Department of Physics and Astronomy a position is vacant for a

FULL PROFESSOR OF TECHNICAL PHYSICS

how will undertake research and education in fields related to the energy problem, including its environmental aspects.

Applicants should have conducted research of outstanding quality in physics or an allied discipline and should have shown actual interest, and preferably have participated in the above fields. Industrial or comparable experience would be an advantage. Candidates should be interested in interdisciplinary studies and have a capacity for and preferably experience with teaching. Knowledge of the Dutch language is not a prerequisite.

resources are available to develop an adequate research program to be carried out by Ph.D. candidates.

Details of the salary, of the conditions of service, and of the method of application may be obtained by writing to Professor C. Th. J. Alkemade, Physical Laboratory, Sorbonnelaan 4, University, Utrecht, The Netherlands. (Tel. No. 030-533302).

This is the end of the primary text.
Research Statistician
This competition is open to both men and women
Department of the Environment
St. John’s, Newfoundland
Salary up to $24,262
DUTIES: The Newfoundland Biological Station requires a scientist to undertake research studies in statistical theory and methodology in response to problems arising in fisheries research; act as statistical consultant to scientific and professional staff; direct the operation of a computer terminal; develop specifications for statistical and mathematical computer programs; supervise the operation of a data processing unit.
QUALIFICATIONS: Include a Doctorate degree, or a lesser degree with related independent research experience equivalent to that required for a Doctorate degree, with specialization in an area related to the duties of the position. Knowledge of the English language is essential.
To ensure consideration, please forward “Application for Employment” (Form PSC:367-401) available at Post Offices, Canada Manpower Centres, detailed résumé before 28 JUNE 1974, quoting reference number 73-100-124-S and send it to:
Sciences and Technology Program,
Public Service Commission of Canada,
Tower “A,” Place de Ville,
Ottawa, Ontario KIA 0M7
Appointments as a result of this competition are subject to the provisions of the Public Service Employment Act.

Office of Naval Research
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Physicist (Announcement #74-21)
Molecular physics, lasers, electrooptics.
Physicist or Electrical Engineer
(Announcement #74-25)
Electromagnetics (antennas and propagation), integrated optics, solid state electronics.
Duties: Formulate, initiate, develop and manage contract research programs in areas specified above.
Must have Ph.D. or equivalent, broad experience in physics or electrical engineering with expertise in the appropriate scientific disciplines specified above; scientific administrative ability and high stature in the scientific and technical community.
Applicants should forward SF 171 personal qualifications statement to:
Director of Civilian Personnel,
Code 720, 800 N. Quincy St.,
Arlington, Va. 22217
before 30 June 1974
Specify announcement number of vacancy for which applying.
Equal Opportunity Employer

WORLD HEALTH ORGANIZATION
Applications are invited for the post of Scientist (Health Administration) in a project on research in comprehensive health planning in Cali, Colombia.
Candidates should have a medical degree with master’s in health administration, or doctoral degree in health administration or related area; several years’ experience in areas of organizational change, planning and decision-making, preferably having worked with health organizations in Latin America; an excellent knowledge of English or Spanish, with a working knowledge of another language.
Annual net salary: US$16,542 to US$21,294 plus various allowances.
Interested candidates having the requisite qualifications should write, as soon as possible, enclosing a detailed curriculum vitae and quoting reference “IR-0660—Health Administration” to:
Office of Personnel
World Health Organization
1211 Geneva 27
Switzerland

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31 MAY 1974
Positions Open

Mycologist

Applications are invited for a position at the Assistant Professor level. Applicants with postdoctoral experience preferred. Responsibilities will consist of teaching medical mycology and applied microbiology to undergraduates and of developing graduate teaching and research programs in the appointee’s area of specialization. Salary and benefits competitive, opportunity for personal development, excellence. Send complete curriculum vitae, reprints of publications, and names of three referees to Dr. C. E. Sword, Chairman, Life Sciences, Indiana State University, Terre Haute, Indiana.

Indiana State University is an equal opportunity-affirmative action employer.

Neuropharmacologist/Toxicologist

On NIH grant, approximately $14,600 per year to study effects of protein and other toxins on brain electrical activity, behavior, and neurochemistry in rats and monkeys. Send curriculum vitae, two or three reprints, three names of persons for letters of recommendation, and list expressing research interests to Dr. D. E. Woolley, Department of Animal Physiology, University of California, Davis, Calif. 95616.

An Affirmative Action/Equal Opportunity Employer

Oral Pathologist

Assistant/Associate Professor position available for oral pathologist in multidisciplinary basic science department to assist in teaching general and oral pathology to undergraduate dental and dental hygiene students and participate in graduate student education. Applicants should have recognized dental degree with higher qualification in pathology and demonstrated interest in research. Research experience in area of inflammation and immunity in relation to oral disease desirable. Salary and rank dependent on qualifications. Starting date by mutual agreement. Applications should contain curriculum vitae and names of two referees. Applications and correspondence should be sent to Dr. E. T. Pritchard, Oral Biology, Faculty of Dentistry, The University of Manitoba, Winnipeg, Manitoba, R3E OW3, Canada.

Pharmacologist-Physiologist

New medical school seeks top-quality teacher and scholar to teach pharmacology and some physiology to first-year medical students in an integrated organ-system self-instructional program. Ph.D. or equivalent required. Medical school experience, postdoctoral training and teaching experience are highly desirable. Rank open. Send curriculum vitae and ask three referees to write on your behalf to: Dr. John H. Caster, Coordinator-Academic Appointments, Box 5, School of Medicine, Southern Illinois University, Carbondale, Ill. 62901.

An Equal Opportunity-Affirmative Action Employer

Pharmacologist

University of Illinois at the Medical Center, College of Pharmacy, Chicago, Ill. 60612. Assistant professor, 1 Sept. 1974. Send resume and references to P. S. Benoit. Equal opportunity employer

Postdoctoral Research Associate

Experimental physicist with interest in research and development of very intense X-ray sources. Experience in ion beam diagnostics and beam optics helpful. Send resume and references to: Dr. Theodore Sluyters, Accelerator Department, Brookhaven National Laboratory, Upton, Long Island, N.Y. 11973.

An Equal Opportunity Employer M/F

Postdoctoral Traineeships

Available in cancer research, hormone-protein interaction, hormonal control in cell and organ culture; biochemical nature of membranes; steroid metabolism, enzymeology. Research Associate position also available for individual with experience in the aforementioned studies. Permanent residents only. Apply with curriculum vitae to Dr. V. Hollander, Research Institute, Hospital for Joint Diseases, 1919 Madison Ave., New York, N.Y. 10035. An equal opportunity employer.
positions open

Ph.D./Biochemist
To study the structure and biosynthesis of collagen. Relevant experience, and some culture preferable. Salary and type of faculty appointment commensurate with background.

Medical School, San Francisco, California
Box 277, SCIENCE

POSTDOCTORAL RESEARCH POSITION
To work on a position available immediately to study biophysical aspects of growth control in normal and leukemic lymphocytes. Experience in cell biology and cell surface characterization of nuclear proteins or general training in biochemistry is essential.

Further inquiries and a curriculum vitae with the names and addresses of five references for Dr. William I. Wiltse, Service d'Immuno logical, Centre Hospital de l'Universite, 2705, boulevard Laurier, Quebec G1V 4G2, Canada.

Universität z. Köln, Germany
Institut für Genetik
E. coli Genetics
Protein Chemist

A postdoctoral research position for work in association with Prof. B. Muller-Hill (geneticist) and a position with Dr. K. Reutter (protein chemist) will be available immediately. The salary will be that of about 20,000 DM yearly. Applications with curriculum vitae and the names of two referees for the Muller-Hill/Reutter, Institut für Genetik, der Universität zu Köln, D-5 Köln 41, Wesertal 121, West-Germany

Research Associates at Postdoctoral Level

Two positions now available. Full-time research in biophysical and biochemical studies on membranes. Send curriculum vitae, manuscript, and three references.

Dr. E. Goldman
Department of Physiology and Biophysics
Medical College of Pennsylvania

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Scientific Coordinator, Vertebrate Morphology

Colorado State University. A senior scientist with Ph.D. and several years of experience in directing multidisciplinary programs is sought. Duties include: Coordinator of research programs within the Section on Morphology, and Principal Investigator of Grassland Biome Program. Candidate should have a solid technical knowledge of vertebrate morphology and anatomy and will be expected to develop his own programs. The SREI has 13 scientists with a high academic affiliation, available funds, and expected rapid growth. Salary at the Assistant Professor level, but potential for rapid advancement. Send curriculum vitae and names and addresses of three references to: Dr. A. T. Crumlin, Chairman of Search Committee, Department of Fishery and Wildlife Biology, Colorado State University, Fort Collins, Colorado 80523. Formal evaluation of applications begins on November 30, 1974. An equal opportunity employer.

Scientist

Broadly educated scientist/science educator with doctorate needed to teach in and direct a farm training, interdisciplinary science course and teach courses in his or her own area of specialty. Candidates with interest in science education will be considered. Considerable experience in instruction, and/or research experience must be presented. Appointment will be made in September 1974 or January 1975. Salary is negotiable. Send curriculum vitae and letters of reference to: Faculty Search Secretary, College of Science and Letters, Michigan State University, East Lansing, Michigan 48824.

An equal opportunity employer.

Senior Neuroscientist

The Department of Zoology of the University of Michigan, Ann Arbor, is a leading research center in a senior neuroscientist, beginning 1975-76. The appointment will be tenured and the principal responsibilities will be teaching and research in the department. Research facilities will be in the Neurosciences Building; an interdepartmental use of fellows is a major program. The University is in the process of raising a $100 million education and research campaign. Send curriculum vitae and names and addresses of five references to: Professor Stephen S. Easter, Jr., Department of Zoology, The University of Michigan, Ann Arbor, Mich. 48104.

A Nondiscriminatory, Affirmative-Action Employer

Research Associate

Research Associate position available for individuals of recent Ph.D. with training in protein chemistry and enzymology and an interest in the role of nucleic acids in gene expression and translation in bacteria. Send curriculum vitae and names of three references to:

Dr. R. W. Rembold
Department of Microbiology
The Pennsylvania State University
University Park, Pennsylvania 16802

Senior Ecologist

Woodward-Environ., Inc., is expanding its Ecological Department in Atlanta, Georgia. We have immediate need for an individual with a Ph.D. in either ecology/forestry or wildlife management. At least 5 years' experience in environmental consulting work is required. Business knowledge and research experience in the Gulf States is essential.

The candidate will be responsible for and should have expertise expected in project management, and Environmental Report writing. The Ecological Department will also support our business development team. Extensive travel will be required.

The successful candidate would be required to begin duties as soon as possible. Excellent benefits program is available. Location is in suburban Atlanta, Georgia. Please send resume and salary requirements to:

Dr. George H. Weissberg
Woodward-Environ., Inc.
Scenic Highway, Room N.E.
Atlanta, Georgia 30328

Senior Scientist

Senior scientist with research and administrative experience to direct research program in neuro-pharmacology and biochemistry in an established state psychiatric research center. Excellent laboratories and locations. Excellent access to Baltimore, Washington and New York. P.O. Box 3235-46, Catsown, Maryland 21228.

Animal Immunologist

Postdoctoral cell biologist or immunologist to work with group studying human tumor cells and associated immunological mechanisms. Salary approximately $10,000 to $14,000. Opportunity to receive postdoctoral training in cell biology or in immunology. Dr. George E. Moore, Denver General Hospital, West Eighth Avenue and Cherokee, Denver, Colorado, 80204.

An equal opportunity employer.

Vertebrate Morphologist

A position as Vertebrate Morphologist (Ph.D.) is open in the Department of Zoology, College of Biological Sciences, The Ohio State University, beginning 1 October or 1 January 1974-75. Teaching responsibilities involve teaching a graduate seminar in morphology and a majors' course in functional or comparative vertebrate morphology. Research program and participation in graduate education expected. Nine-month appointment at rank of Assistant Professor. Salary range from $12,000 to $14,000.

Curriculum vitae and three letters of reference should be submitted to: Dr. Tony J. Peterke, Chairman, Department of Zoology, College of Biological Sciences, The Ohio State University, 1735 Neil Avenue, Columbus, Ohio 43210.

An equal opportunity employer.

Fellowships in Cardiovascular Physiology/Pharmacology

Opening for three research fellowships after 1 July, 1974. Applicants should have completed a Ph.D. in either basic hemodynamics related to hypertension, in pharmacology of angiotensin antagonists, and in pharmacology of drugs in cardiovascular disease. Send resume to:

Dr. Philip A. Khairallah
Scientific Director, Cardiovascular Program
Cleveland, Ohio 44106

Postdoctoral Fellow

Cell Biologist or Biochemist, isolation of cells from tissues. Biochemical examinations of iso- lated cells and cell culture. Available 1 July. Minorities and women are encouraged to apply. Send curriculum vitae and references to:

University of California
College of Medicine
Irvine, California 92664

Australian Cancer Society Cancer Research Fellowship

The Australian Cancer Society invites applications for the Postdoctoral Research Fellowship. The Australian Cancer Society has initiated a Research Fellowship Program. The fellowships are directed at the postdoctoral level and are intended to assist a research worker at this level to become established in Australia. The fellowship, normally up to $5,000 can be obtained together with $1,000 equipment grant and $500 travel. Closing date for applications is 1 August in the year of application. Application forms and the conditions of the award may be obtained from: The Executive Director, Australian Electron Microscope Use, P.O. Box 25, Kogarah, N.S.W. 2217, Australia.

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