

ed. 2, 1973. xiv, 622 pp., illus. Paper, \$7.25.

Patterns in the Use of Books in Large Research Libraries. Herman H. Fussler and Julian L. Simon. University of Chicago Press, Chicago, ed. 2, 1974. xii, 210 pp., illus. \$5.95. University of Chicago Studies in Library Science.

The Physics of Phonons. J. A. Reissland. Wiley-Interscience, New York, 1973. xii, 320 pp., illus. \$19.95.

Position Studies of Condensed Matter. R. N. West. Taylor and Francis, London, and Barnes and Noble, New York, 1974. viii, 124 pp., illus. Paper, \$10.50. Taylor and Francis Monographs on Physics. Reprinted from *Advances in Physics*, Vol. 22, No. 3 (1973).

Psychotherapy and Psychoanalysis. Theory-Practice-Research. Robert S. Wallerstein. International Universities Press, New York, 1974. Advance page proofs, \$15.

Reefs in Time and Space. Selected Examples from the Recent and Ancient. Papers from a symposium, Calgary, Canada, June 1970. Leo F. Laporte, Ed. Society of Economic Paleontologists and Mineralogists, Tulsa, Okla., 1974. iv, 256 pp., illus. \$10.50; by subscription, \$8.50. Special publication, No. 18.

Regional Pulmonary Function in Health and Disease. B. Leonard Holman and John F. Lindeman, Eds. University Park Press, Baltimore, 1973. xii, 204 pp., illus. \$23.50. *Progress in Nuclear Medicine*, vol. 3.

Research and Development and the Prospects for International Security. Frederick Seitz and Rodney W. Nichols. Crane, Rusak, New York, 1974. viii, 76 pp. \$4.95. Strategy Paper, No. 22.

Research Libraries and Technology. A Report to the Sloan Foundation. Herman H. Fussler. University of Chicago Press, Chicago, 1974. xii, 92 pp. \$5.95. University of Chicago Studies in Library Science.

The Riddle of the Pyramids. Kurt Mendelsohn. Praeger, New York, 1974. 224 pp., illus. + plate. \$12.95.

Robotics. John F. Young. Halsted (Wiley), New York, 1973. x, 304 pp., illus. \$18.95.

The Transuranium Elements. V. I. Gol'danskii and S. M. Polikanov. Translated from the Russian edition (Moscow, 1969) by J. E. S. Bradley. Consultants Bureau (Plenum), New York, 1973. x, 162 pp., illus. \$29.50. *Studies in Soviet Science*.

Treatise on Solid State Chemistry. Vol. 1, *The Chemical Structure of Solids.* N. B. Hannay, Ed. Plenum, New York, 1973. xvi, 540 pp., illus. \$35.

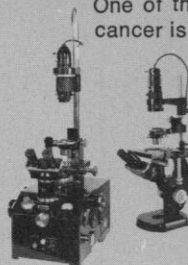
Urinary Calculi. Recent Advances in Aetiology, Stone Structure and Treatment. Proceedings of a symposium, Madrid, Spain, Sept. 1972. L. Cifuentes Delatte, A. Rapado, and A. Hodgkinson, Eds. Karger, Basel, 1973 (U.S. distributor, Phiebig, White Plains, N.Y.). x, 364 pp., illus. \$47.50.

Yeast, Mould and Plant Protoplasts. Proceedings of a symposium, Salamanca, Spain, Oct. 1972. J. R. Villanueva, Isabel García-Acha, S. Gascón, and F. Uruburu, Eds. Academic Press, New York, 1973. xxiv, 382 pp., illus. \$19.75.

26 JULY 1974

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Microscopes play a key role in cancer research efforts. The Nikon model M inverted microscope is a sophisticated tissue culture research instrument that features superb optics, a complete line of accessories, and long working distance phase optics. The model MS is basically a simpler version of the M. Both microscopes feature automatic exposure control for time lapse cinemicrography as well as photomicrography.

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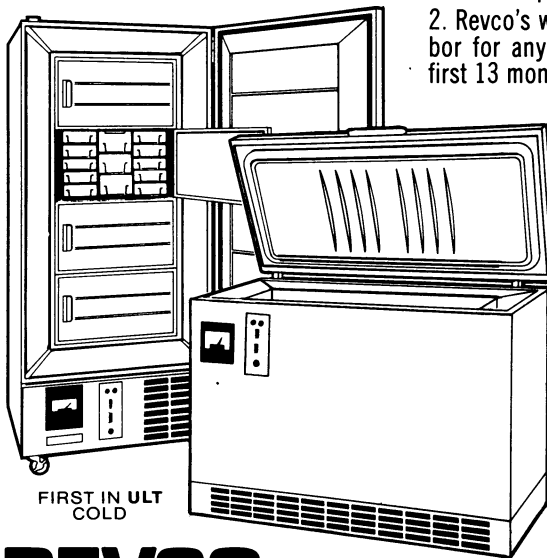
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AAAS Fellows

A 2-year moratorium on the election of AAAS Fellows will come to an end on 31 January 1975, when the Council Committee on Fellows will present to the Council a slate of nominees for election to fellowship. The Committee will prepare the slate this fall, after reviewing nominations submitted to it by the section secretaries and by individual groups of three Fellows.

A Fellow of the AAAS is defined as one "who has produced a body of work on behalf of the advancement of science that is scientifically distinguished or socially highly significant, or both." Any member who is interested in being considered for this honor is invited to fill out a nomination form and submit it to the secretary of the section of which he or she is a voting member (deadline: 23 August). Alternatively, the member may have any three AAAS Fellows complete the application on his or her behalf and send it directly to the Executive Officer (deadline: 15 September).

Nomination forms are available from the **Executive Office, AAAS, 1776 Massachusetts Avenue, NW, Washington, D.C. 20036**. Names and addresses of the section secretaries will be supplied to members who wish to make application through their sections.

Personnel Placement

POSITIONS WANTED

Wanted: Small undergraduate college where broadly trained **Geneticist** (Ph.D. 1965) can contribute significantly to curriculum innovation, experimental teaching, relevant introductory biology. Postdoctoral, 15 years of professional experience. 2266 Lake Circle, Jackson, Mississippi 39211. X

Microbiologist Ph.D. Seeks teaching-research in university or research-supervisory position in industry. Five years as assistant professor. Developed undergraduate and graduate courses. Research publications and papers. Areas of experimental microbiology, physiology, metabolism, ecology, pollution, public health, biochemical diagnostic procedures, RIA. Box 353, SCIENCE. X

Mycologist-Plant Pathologist. Ph.D. 1974. Research experience ultrastructure, enzymes, lipid, protein, carbohydrate metabolism in fungi. One year of postdoctoral experience in protein, lipid characterization. Some teaching experience. Female. Postdoctoral or academic position desired in United States. Box 354, SCIENCE. X

Neurobiologist. Ph.D. Broad training in neurophysiology; publications on visual system. Nine years of academic experience in health sciences and biology. Enthusiastic teacher. Team oriented. Seeks responsible position in stimulating intellectual surroundings. Available 1 March 1975. Box 355, SCIENCE. X

Organic Chemist. Extensive experience with biochemicals and their analogs (including nucleosides, nucleotides, nitrogen heterocycles, sugars, amino acids, coenzymes, vitamins, diagnostics, and so forth) and organic intermediates in general. Patents and publications in fundamental and applied chemistry. Syntheses from sub-milligram to multi-kilo levels. Academic teaching/research and industrial administrative/supervisory experience. Ph.D. 1962, age 36. Southwest preferred. Box 356, SCIENCE. X

Established **Protein Chemist-Endocrinologist**. Ph.D. 1951. Broad experience in research, administration, and teaching. Seeks academic appointment with opportunity for strong research program with teaching responsibility. Box 350, SCIENCE. 7/26

Translations. Russian, French, Spanish, Italian, most biomedical fields. Masironi, 11 Ch. F. Lehmann, 1218 Geneva, Switzerland. X

Virology-Molecular Biology. Ph.D. 1967 with teaching, grant-supported research and project manager experience. Seeking a challenging position involving any combination of teaching, research or administration. Box 357, SCIENCE. 7/26; 8/2

POSITIONS OPEN

TWO POSITIONS

1) **Assistant Director, Department of Environmental Sciences and Toxicology**. Qualifications: Ph.D. in life sciences, competent writer, and experience in the preparation of environmental impact statements and in the conducting of field surveys.

2) **Invertebrate Taxonomist**. Qualifications: M.S. degree in invertebrate zoology, experience in the taxonomy of aquatic insects required, and experience in the taxonomy of freshwater copepods desirable. Contact **Keith Price, P.O. Box 1177, New Iberia, Louisiana 70560**. Equal Opportunity Employer

BANTING AND BEST DEPARTMENT OF MEDICAL RESEARCH UNIVERSITY OF TORONTO

Applications and nominations are invited for a faculty position at the rank of Associate or Full Professor to start on or prior to 1 July 1975. The applicant's area of research should be related to the molecular aspects of animal cell differentiation. Exceptional junior candidates may also be considered. Salary negotiable and commensurate with rank. Send curriculum vitae to:

Dr. Alan G. Goodridge
Search Committee Chairman
Banting and Best Department of
Medical Research
University of Toronto
112 College Street
Toronto, Ontario M5G 1L6, Canada

POSITIONS OPEN

UNIVERSITI SAINS MALAYSIA

Applications are invited for the following academic posts:

SCHOOL OF APPLIED SCIENCES: Lecturers in the fields of Electronics Science and Technology, Minerals Science and Technology, and Polymer Science and Technology.

SCHOOL OF BIOLOGICAL SCIENCES: Professor in the field of Aquatic Biology. Senior Lecturers in the fields of Microbiology, Applied Microbiology, Medical and Veterinary Microbiology/or Food and Industrial Microbiology. Aquatic Biology, Fisheries Biology/or Marine Biology/or Freshwater Biology. Plant Pathology, Nematology/Bacteriology of Plants. Lecturers in the fields of Soil Science, Microbiology, and Ecology.

SCHOOL OF PHYSICS AND MATHEMATICS: Professors in the fields of Pure Mathematics and Applied Mathematics.

Qualifications/Emoluments: For the post of Professors and Senior Lecturers, only candidates with Ph.D. in the fields mentioned together with postdoctoral experience in teaching, research and/or industries need apply. The post of Lecturers would require a minimum qualification of a Ph.D.

Salary range per annum: Professor, from US\$11,405 to US\$15,139; Senior Lecturer, from US\$9,411 to US\$12,666; and Lecturer, from US\$7,065 to US\$11,178. Passage assistance for successful candidates, provident fund and medical benefits. Apply to **Registrar, Establishment Section, Universiti Sains Malaysia, Minden, Penang, Malaysia**. Enclose personal vitae and references. The closing date of receipt of application is 26 August 1974.

ASSISTANT PROFESSOR OF ENTOMOLOGY

Assistant Professor with postdoctoral experience in insect physiology, effective 1 April 1975. Undergraduate and graduate teaching, development and direction of a research program in insect physiology and application of some aspects of this field to agricultural or forest entomology. Maximum starting salary \$14,043. Send curriculum vitae and names of three referees by 31 October 1974 to: **Dr. George E. Ball, Chairman, Department of Entomology, 260 Agriculture Building, University of Alberta, Edmonton, Alberta T6G 2E3, Canada**.

ASSISTANT PROFESSOR OF PHYSIOLOGY

Applications are invited for the post of Assistant Professor of Physiology to commence in fall 1974. This position is suitable for a recent Ph.D. graduate although some postdoctoral experience would be an advantage. The appointee would be expected to participate in the departmental teaching programs to medical, paramedical, and graduate students.

A new physical facility is well equipped for most areas of research, including that at the cellular level. The department has a mini-computer facility for both research and educational applications. Current research activities of the department lie in the fields of epithelial physiology, cellular physiology, neurophysiology, cardiovascular physiology, and computer applications.

The appointee would be expected to work toward the development of independent research support. *George Washington University School of Medicine and Health Sciences is an equal opportunity, affirmative action employer.*

Department of Physiology
George Washington University Medical Center
2300 Eye Street, NW
Washington, D.C. 20037

DIRECTOR CENTER FOR MARINE AND COASTAL AFFAIRS

The University of Southern California is seeking a director to provide academic, research, and administrative leadership for the newly created Center for Marine and Coastal Affairs. The director will coordinate the university's marine and coastal affairs activities, including the Catalina Marine Sciences Center, the Sea Grant Program, and the Ships Operations.

All applications will be treated in strictest confidence. Please send résumé, including references, to the following address:

William G. Wagner, Dean
Division of Natural Sciences and Mathematics
Administration 200
University of Southern California
Los Angeles, California 90007

The University of Southern California is an affirmative action and equal opportunity employer.

POSITIONS OPEN

STATE UNIVERSITY OF NEW YORK AT STONY BROOK

Several faculty positions at the Assistant and Associate Professor levels are available, beginning June 1975, in the newly established Department of Pharmacological Sciences. Candidates with research interests in neurobiology, molecular biology, biochemistry, or biophysics are sought. A minimum of 2 years of postdoctoral experience is required. Closing date: 1 September 1974. Send résumé and references to **Dr. Arthur P. Grollman, Chairman, Department of Pharmacological Sciences, State University of New York at Stony Brook, Stony Brook, New York 11790**. An affirmative action, equal opportunity employer.

CENTER FOR POPULATION RESEARCH

The National Institutes of Health now has positions available in Bethesda, Maryland. Position for epidemiologist preferably with medical background for work in research contracts program concerned with the evaluation of various methods of contraception. Must have research experience. \$17,497 to \$31,519.

Position available for scientist for administration of contracts in contraceptive development. Area of responsibility requires familiarity with drug delivery systems, pharmacokinetics, drug bioavailability and material-tissue interactions. Background in reproductive biology (as well as in general pharmacology) is desirable. \$17,497 to \$26,878.

Forward résumé or Federal Application Form (SF-171) to: **Mrs. Donna H. Thiele, Personnel Office, Building 31, Room 2A-25, National Institute of Child Health and Human Development, National Institutes of Health, Public Health Service, Bethesda, Maryland 20014**.

RESEARCH ASSOCIATE

with a Ph.D. in chemistry or biochemistry to study enzyme structure and mechanism. Please send curriculum vitae and references to: **Dr. Bernard M. Babior, New England Medical Center Hospital, 171 Harrison Ave., Boston, Mass. 02111**. An equal opportunity employer M/F.

IMMUNOLOGIST — Ph.D.

Merck Sharp & Dohme Research Laboratories is presently offering an exceptional career opportunity for a Ph.D. Immunologist to work in our Department of Virus and Cell Biology.

Challenging responsibilities involve basic and applied research in viral and microbial diseases, as well as autoimmune disease.

Selected candidate must bring to this position: Creativity, 3 to 5 years' postdoctoral experience, a good working knowledge of contemporary immunology, especially cell-mediated immunity, and the ability to work in a team effort.

Excellent starting salary and benefits accompany this position at our attractive suburban location (25 miles northwest of Philadelphia).

Interested candidates should send complete résumé of education and experience to **JACQUES P. KUENY**

Merck Sharp & Dohme Research Laboratories

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West Point, Pa. 19486

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ASSISTANT PROFESSOR OF BIOCHEMISTRY IN DERMATOLOGY

Ph.D. or M.D., minimum of 5 years postdoctoral training/experience. Joint appointment in clinical departments. Research in field of hormone receptor sites along with background in the mechanism of action of antibodies. Duties also include curriculum development and student teaching. Send curriculum vitae and bibliography and request recommendations to **Aaron B. Lerner, M.D., Professor and Chairman, Department of Dermatology, Yale University School of Medicine, 333 Cedar Street, New Haven, Conn. 06510.**

CHAIRMAN

Department of Agronomy, The Ohio State University, and The Ohio Agricultural Research and Development Center. Applicants must possess an earned Ph.D. degree, at least 10 years of experience in teaching, research, and/or extension in one of the disciplines of agronomy, and have evidence of outstanding administrative ability. Detailed information and an official application form will be made available to all interested nominees and candidates. Address all correspondence to **Edward W. Stroube, Chairman of the Search Committee, Department of Agronomy, 1885 Neil Avenue, The Ohio State University, Columbus, Ohio 43210.** Applications close on 15 August 1974.

POSITIONS OPEN

DEAN OF ARTS AND SCIENCE

Polytechnic Institute of New York is seeking a Dean of Arts and Science to take office by January 1975. The candidate should present a strong combination of scholarly achievements, research and teaching experience, administrative ability, and aptitude for working with faculty and students. The candidate should have an earned doctorate in chemistry, mathematics, or physics, and have attained national prominence in his field. The candidate will be responsible for both graduate and undergraduate education in the areas of science, humanities, and social sciences.

Candidates should submit a letter of application, names of three references, and complete curriculum vitae to:

**Professor Stanley Preiser, Chairman
Search Committee
Polytechnic Institute of New York
333 Jay Street
Brooklyn, New York 11201**

Responses should be made before 31 August 1974.

The Polytechnic Is an Equal Opportunity, Affirmative Action Employer.

POSITIONS OPEN

CHEMISTRY

The UNIVERSITY OF TEXAS AT SAN ANTONIO seeks applicants in all areas of chemistry including geochemistry, georganic, bioorganic, biophysical, and geophysical chemistry. Demonstrated interest and expertise in both teaching and research are required. Rank and salary dependent upon qualifications. Positions are available 1 September 1975. *Equal opportunity/affirmative action.* Reply to: **Director, Division of Earth and Physical Sciences, University of Texas at San Antonio, San Antonio, Texas 78285.**

CHIEF, CARDIOPULMONARY SURGERY SERVICE

Applications are sought for the position of Chief of the Cardiopulmonary Surgery Service at the Los Angeles County-University of Southern California Medical Center and the University of Southern California School of Medicine, Los Angeles, California. Requirements include previous academic experience and demonstrated capabilities as an educator, investigator, and clinical thoracic surgeon. Please send inquiries and curriculum vitae to: **Leonard Rosoff, M.D., Professor and Chairman, Department of Surgery, University of Southern California School of Medicine, 1200 North State Street, Los Angeles, California 90033.** *The University of Southern California Is an Equal Opportunity and Affirmative Action Employer.*

DIRECTOR

The Jackson Laboratory invites applications for the position of Director of the Laboratory, which will become open on 1 October 1975. Qualified applicants are invited to submit a curriculum vitae and summary of experience to one of the following:

- Dr. James D. Ebert, Chairman, Search Committee, Marine Biological Laboratory, Woods Hole, Massachusetts 02543**
- Dr. James F. Crow, Member, Search Committee, Department of Medical Genetics, University of Wisconsin, Madison, Wisconsin 53706**
- Dr. Douglas L. Coleman, Secretary, Search Committee, The Jackson Laboratory, Bar Harbor, Maine 04609**

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TWO FACULTY POSITIONS

Available in the Department of Psychiatry, University of Michigan Medical School. Candidates must be Board certified or eligible psychiatrists and will be working at the affiliated Veterans Administration Hospital. One position is for the coordination of an alcohol treatment program for both inpatients and outpatients. The other position is for a staff psychiatrist for the Psychiatry Outpatient Clinic. Academic rank dependent on research and teaching experience and on qualifications. Send résumés to **Box 358, SCIENCE, A Nondiscriminatory, Affirmative Action Employer.**

FACULTY POSITION

Research-oriented Department of Oral Biology seeks a vigorous investigator in the general area of microbial physiology. Interdisciplinary faculty includes biochemists, physiologists, morphologists, and developmental biologists. Teaching responsibilities are at the professional school, graduate, and postgraduate levels. Candidates should hold a Ph.D. or equivalent with some postdoctoral experience. Send curriculum vitae and the names of three professional references to: **J. Yaeger, Department of Oral Biology, School of Dental Medicine, University of Connecticut Health Center, Farmington, Connecticut 06032.** *An Equal Opportunity Employer*

GENETICIST

Applications are invited for a position of Assistant Professor (beginning September 1974) involving teaching genetics at both the undergraduate and graduate levels. Candidates also should have a background in physiology or ecology and are expected to participate in ecology or physiology programs as well as develop an independent research program. Candidate's appointment is contingent upon having a Ph.D. degree. Send a curriculum vitae and three letters of reference to: **Dr. J. Gauthier, Department of Biology, University Station, University of Alabama, Birmingham, Alabama 35294.** *University of Alabama, Birmingham, Is an Affirmative Action/Equal Opportunity Employer.*

PART-TIME LECTURERS IN BIOLOGY

We are seeking several individuals to teach environmental biology, human biology, comparative anatomy, animal physiology, and immunology during the 1974-75 academic year. Flexible schedule. Salary range \$2000 to \$3000 per quarter course. Previous college-level teaching experience required. Send résumé to **Chairman, Department of Biological Sciences, Northwestern University, Evanston, Illinois 60201.** *Northwestern University Is an Equal Opportunity Employer.*

BIOCHEMIST

RESEARCH OPPORTUNITY

Expansion of activity in our Research Laboratory has created a challenging opportunity for a graduate Biochemist or Microbiologist—preference will be given to advanced degree holders. Position requires working knowledge in Electronics for the operation and maintenance of instruments. Industrial fermentation process and related experience (1-3 years preferred) is a plus. Work involves planning and conducting projects involving new products and processes in microbial fermentation, cheese and other food products.

Send your résumé, including salary requirements, to:



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SENIOR BIOCHEMIST

Enzymologist

New England Nuclear Corporation is a rapidly expanding world leader producing high quality labeled chemicals for research. At the present time, we are experiencing growth within several product areas necessitating our search for technical strength at the SENIOR BIOCHEMIST LEVEL.

This position, leading to Group Leader, will call upon a Ph.D. in BIOCHEMISTRY or related discipline to supervise and extend the existing program of BIOLOGICAL SYNTHESIS of a wide variety of RADIOACTIVE COMPOUNDS.

The successful candidate should have a working knowledge of ENZYMATIC TECHNIQUES with a strong emphasis on MICROBIAL SYSTEMS including FERMENTATIONS and utilization of MUTANTS. Experience with isolation and purification of METABOLIC INTERMEDIATES is required.

We will offer the most qualified candidate an exceptional compensation program including relocation and stock options.

If you are interested in developing a future with a progressive world leader, please do not hesitate to send cover letter, résumé and salary history to **John R. Chabot, Employment Manager, New England Nuclear Corporation, 575 Albany Street, Boston, Mass. 02118.**

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THIS COMPETITION IS OPEN TO BOTH
MEN AND WOMEN

SYSTEMS RESEARCH OFFICERS

Ecological Systems Research Division
Planning and Finance Branch
Environment Canada
Hull, Quebec

\$16,958 to \$22,880

DUTIES: To conduct research on a variety of subjects of national and international interest to develop environmental policies and programs. Current research programs include work on carrying capacity of Canada in terms of population, resources and environment, development of techniques to evaluate environmental intangibles, macroglobal modelling, the growth ethics and use of systems analysis to develop resources and environmental policies.

QUALIFICATIONS: At least a Master's degree in Economics or in a discipline related to the duties of the position, combined with adequate knowledge and experience in economic theory and analysis.

Knowledge of the English language is essential for these positions.

Please quote reference number 74-430-20.

Forward résumé or "Application for Employment" (Form PSC 367-401) available at Post Offices, Canada Manpower Centres, and offices of the Public Service Commission of Canada to:

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**SOCIAL-ECONOMIC PROGRAM
PUBLIC SERVICE COMMISSION OF CANADA
TOWER "A," PLACE DE VILLE
OTTAWA, ONTARIO K1A 0M7**

Appointments as a result of this competition are subject to the provisions of the Public Service Employment Act.

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The Marshall Division of Miles Laboratories, Inc., a recognized leader in industrial enzymes and food ingredients, provides an excellent opportunity in the area of vegetable protein research.

The successful candidate should have a Ph.D. degree in Bio-chemistry or Food Science with background in separation of proteins and characterization of enzymes. Incumbent will conduct research on separation and characterization of proteins from vegetable and microbial sources, also study the effects of enzymes on functional properties of proteins used in food systems.

Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent recreational and educational facilities as well as convenient accessibility to the Chicago area. Excellent starting salary commensurate with experience plus a superior benefits program. Relocation expenses paid by the company. Please send complete résumé including salary requirements in confidence to:

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Salary up to: \$24,262

Department of Environment
St. John's, Newfoundland

The Newfoundland Biological Station requires two scientists for research into the biology and population dynamics of pelagic fishes of the Newfoundland-Labrador area.

DUTIES:

- participating in planning, initiating and implementing field and laboratory studies;
- analyzing data and interpreting results for presentation in report of scientific manuscript form;
- keeping abreast of developments in fisheries research;
- assigning duties to and supervising technical staff.

QUALIFICATIONS:

Include a Doctorate degree, or a lesser degree with related independent research experience equivalent to that required for a Doctorate degree, with experience in an area related to the duties of the position. Good health and physical condition with ability to work at sea. Knowledge of the English language is essential for these positions.

APPLICATIONS:

Curriculum vitae or "Application for Employment" form, accompanied by complete university transcripts and the names and addresses of three referees, should be forwarded no later than 6 AUGUST 1974 to:

**THE MANAGER
NEWFOUNDLAND PERSONNEL OFFICE
DEPARTMENT OF ENVIRONMENT
P.O. BOX 5300
ST. JOHN'S, NEWFOUNDLAND**

Please quote competition number 74-100-31, 44 () in all correspondence.

Appointments as a result of this competition are subject to the provisions of the Public Service Employment Act.

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POSITIONS OPEN

NEMATOLOGIST/ENTOMOLOGIST

Postdoctoral position to conduct research on mermithid nematodes and blackflies/mosquitoes, in vitro culture, mermithid and/or host physiology. Position is for 1 year with renewal subject to research funding. Send curriculum vitae and names of two referees to: **Dr. R. Gordon, Department of Biology, Memorial University of Newfoundland, St. John's, Newfoundland, Canada.**

PATHOLOGY FACULTY WANTED

For School of Medicine in development. Inquiries to: **Sylvanus W. Nye, M.D., Chairman, Department of Pathology, School of Medicine, East Carolina University, Greenville, North Carolina 27834.** An equal opportunity/affirmative action employer.

POSTDOCTORAL POSITION

Research on metabolic events in virus-induced leukemogenesis with emphasis on cyclic nucleotide metabolism. Prefer cellular immunologists with interest in metabolic regulatory mechanisms. Available now for 2 years, \$8,000 to \$11,000 per year depending upon background. Send résumé to: **Dr. Robert G. Kemp, Department of Biochemistry, Medical College of Wisconsin, 561 North Fifteenth Street, Milwaukee, Wisconsin 53233.**

SEDIMENTOLOGIST

Applications are invited for the position which is available January 1975. Candidates must have Ph.D. and relevant experience at professional level. Documentation of research capability and research involvement with fluvial and/or coastal processes and environments is required. Teaching experience at graduate level desirable. Academic rank and salary are dependent upon qualifications. Send résumé and names of three referees to: **S. A. Schumm, Department of Earth Resources, Colorado State University, Fort Collins, Colorado 80523.** Applications accepted until 1 October 1974. *Colorado State University Is an Equal Opportunity Employer.*

SECTION HEAD CHEMISTRY

Ph.D. Environmental Engineer or Chemical Limnologist with interest in Mathematical Modeling of Natural Chemical or Biological Systems, Eutrophication or Chemical-Biological relationships in natural waters. The Section Head will have technical responsibility for preparation of proposals, reports and design of sampling programs as well as administrative responsibility for a 25-member staff.

Send résumé educational and work history (including salary) in complete confidence to:

MR. WILLIAM JEFFRY
Personnel Manager

INDUSTRIAL BIO-TEST LABORATORIES

1810 FRONTAGE ROAD
NORTHBROOK, ILL.
60062

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POSITIONS OPEN

UNIVERSITY OF TEXAS MARINE SCIENCE INSTITUTE

The University of Texas Marine Science Institute at Port Aransas is seeking applicants for appointment at the Assistant Professor level in the following general areas: phytoplankton, zooplankton, physiological ecology of marine animals, and seagrass biology. It is expected that there will be openings in marine chemistry and microbial ecology for which early inquiries are invited. Applicants must have a strong research interest and a commitment to graduate training. Applicants will be expected to develop a research program, in their area of specialization and to participate in the Institute's ongoing Nearshore Living Resources Program. Send curriculum vitae and a brief statement of research interests to: **P. L. Parker, Director, The University of Texas Marine Science Institute, Port Aransas, Texas 78373.** Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL RESEARCH

Position immediately available for individual with training in Molecular Biology, background in Microbial and Phage Genetics and an interest in the role of cyclic nucleotides in regulation in bacteria. Send curriculum vitae and two references to: **Seymour Werthamer, M.D., Director, Department of Pathology and Clinical Laboratories, The Methodist Hospital, 506 Sixth St., Brooklyn, N.Y. 11215.**

RESEARCH ASSOCIATE

In Laboratory of Animal Pathology. May pursue 6 hours of graduate work/quarter toward master's degree. Requirements: D.V.M., salary \$12,500 first year. Send résumé and three letters of reference to: **J. B. Jones, D.V.M., Director of Animal Facilities, University of Tennessee Memorial Research Center, 1924 Alcoa Highway, Knoxville, Tennessee 37920.**

FACULTY APPOINTMENTS RESEARCH ASSOCIATES

The Oregon Graduate Center is establishing a new program to apply recent developments in cell culture and molecular biology to developing improved strains of woody plants. Applicants for faculty positions or research associates should send complete curriculum vitae to: **Dr. Doyle Daves, Jr., Oregon Graduate Center, Beaverton, Oregon 97225.** Equal Opportunity Employer.

SOLAR ENERGY SCIENTISTS/ENGINEERS

Solar energy research organization in Pacific Northwest requires highly qualified persons on consulting or short-term as well as permanent basis. Please forward résumé, comments on specific topics of competence or special interest, and salary or compensation required to:

Sigma Research, Inc.
Box 927
Richland, Wash. 99352
(509) 946-0663

FELLOWSHIPS

POSTDOCTORAL FELLOWSHIPS IN A MULTIDISCIPLINARY PROGRAM IN CRANIOFACIAL ANOMALIES

Five postdoctoral positions are available after 1 July 1974 for periods of 1 to 3 years. Applicants must have obtained either a D.D.S., M.D., or a Ph.D. in one of the biological or behavioral sciences. Detection, diagnosis, improvement of treatment, genetic counseling, and study of normal and abnormal craniofacial development, including molecular biology, are offered. Applicants must be American citizens. Send curriculum vitae, complete résumé of previous clinical, applied or basic science experiences related to craniofacial anomalies, résumé of projected program, and references to: **Dr. Harold C. Slavkin, Department of Biochemistry, School of Dentistry, Gerontology Center, University of Southern California, Los Angeles, California 90007.**

POSTDOCTORAL FELLOWSHIP

NIH-sponsored fellowships for basic research in experimental oncology. Areas of interest include DNA replication and repair, chromosome structure, tumor viruses, cellular control mechanisms, radiation and chemotherapeutic effects on normal and tumor tissues. Please send curriculum vitae and two letters of recommendation to: **Dr. Harvey M. Patt, Laboratory of Radiobiology, University of California, San Francisco, Calif. 94143.**

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FELLOWSHIPS

POSTDOCTORAL FELLOWSHIP IN TOXICOLOGY

Department of Environmental Health has immediately available a postdoctoral fellowship in toxicology. Research training is in the area of renal toxicology and/or effects of lead on heme synthesis. For further information, contact:

Dr. P. B. Hammond
Department of Environmental Health
University of Cincinnati
Kettering Laboratory
3223 Eden Avenue
Cincinnati, Ohio 45219

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POSTDOCTORAL AND PREDOCTORAL FELLOWSHIPS

In transplantation immunology and immunohematology available September 1974 in mid-western research center. Special research areas are platelet function, humoral and cellular immunity to platelet antigens, soluble histocompatibility antigens and thymus function. Submit résumé and names of references to:

Box 359, SCIENCE

POSTDOCTORAL FELLOWSHIP

Immediately available for candidate with background in isolation and characterization of proteins to work in area of tumor cell enzymology. Submit résumé and two letters of reference to: **Dr. Irvin E. Liener, Department of Biochemistry, College of Biological Sciences, University of Minnesota, St. Paul, Minn. 55101.** An Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOW

To collaborate in studies of primate visual system. Primary project is single-unit recording from lateral geniculate nucleus in awake monkeys trained to make visual discriminations. Data processing by on-line computer. Prefer candidate with experience in single-unit recording; experience with optics helpful. Funding available 15 September 1974. Send curriculum vitae and names, addresses, and phone numbers of three referees to: **Dr. Max Snodderly, Retina Foundation, 20 Staniford St., Boston, Mass. 02114.**

ANNOUNCEMENT

The NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) is continuing to encourage and support research on all aspects of lunar science. NASA's goal is to improve the scientific understanding of the origin, evolution, structure, and composition of the moon, and of its relationships to the earth and the solar system. NASA's broadly based lunar programs include the following: (i) experimental and theoretical research on lunar materials (samples and Surveyor parts); (ii) lunar data analysis and synthesis, using published or other generally available data; and (iii) supporting research and technology designed to support the general goals of the other lunar programs, such as theoretical studies, laboratory simulations, meteorite research, advanced experiment concepts, and so forth. NASA especially encourages well-qualified scientists not now in the lunar programs to participate if they have new ideas, techniques, or research capabilities. An announcement giving details on where and how to propose may be obtained from **Dr. Noel W. Hinners, Director, Lunar Programs Office, Code SM, National Aeronautics and Space Administration, Washington, D.C. 20546.**

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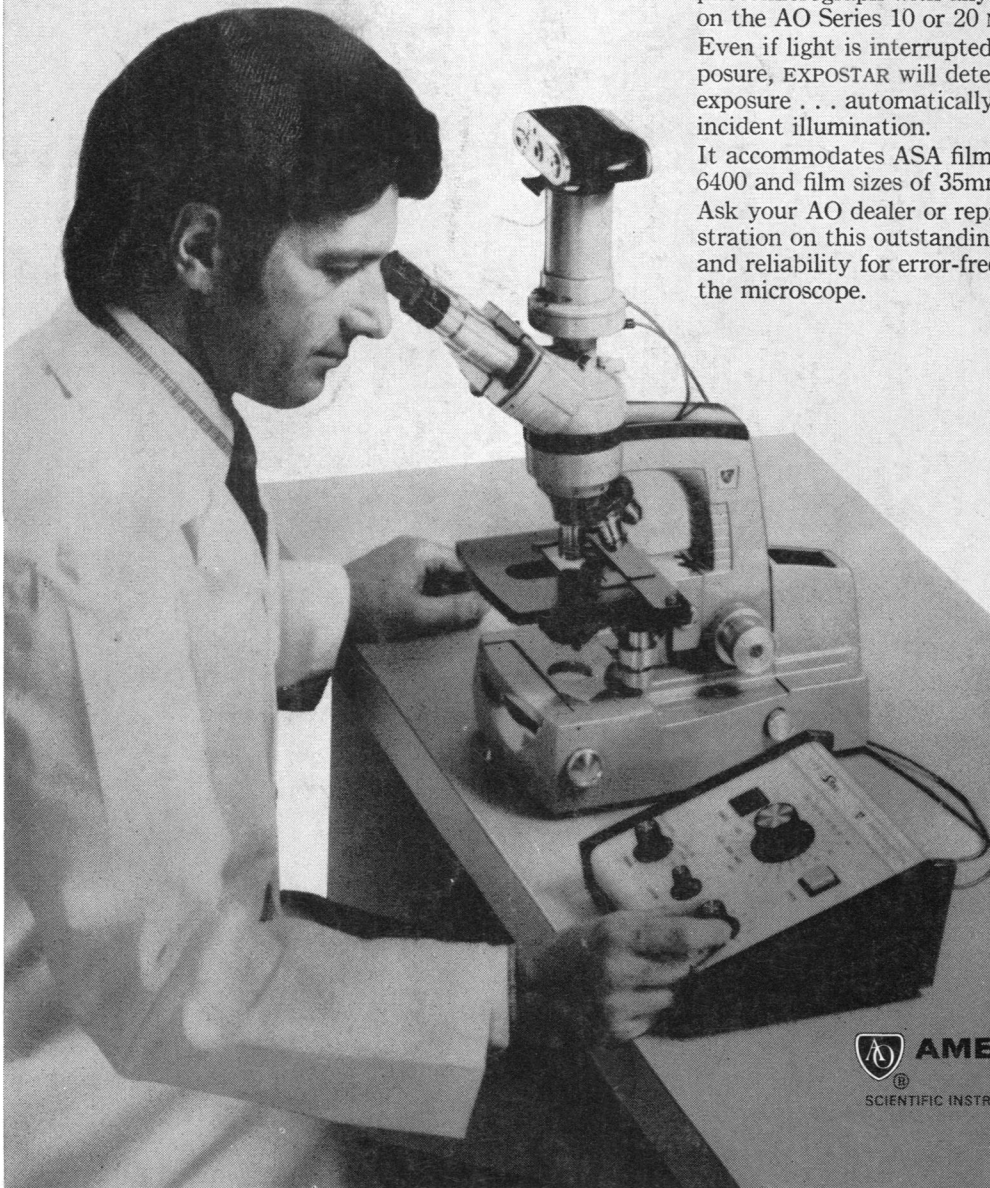
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