

BOOKS RECEIVED

(Continued from page 1068)

Francis Bacon and Socialized Science. Antoinette Mann Paterson. Thomas, Springfield, Ill., 1973. x, 192 pp. \$10.95. American Lecture Series, No. 906.

Free-radical Chemistry. Structure and Mechanism. D. C. Nonhebel and J. C. Walton. Cambridge University Press, New York, 1974. xvi, 572 pp., illus. \$35.

Gamma-ray Astrophysics. Proceedings of a symposium, Greenbelt, Md., Apr. 1972. Floyd W. Stecker and Jacob I. Trombka, Eds. National Aeronautics and Space Administration, Washington, D.C., 1973 (available as NASA SP-339 from the Superintendent of Documents, Washington, D.C.). xvi, 412 pp., illus. Paper, \$2.90.

Hormones and Sexual Behavior. Carol Sue Carter, Ed. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1974. xiv, 362 pp., illus. \$20.

Inequality. Social Stratification Reconsidered. Lloyd A. Fallers. University of Chicago Press, Chicago, 1974. xii, 330 pp., illus. \$12.50.

Kalambo Falls Prehistoric Site. Vol. 2, The Later Prehistoric Cultures. J. Desmond Clark, B. M. Fagan, M. R. Klein-dienst, and F. Van Noten. Cambridge University Press, New York, 1974. xiv, 420 pp., illus. \$49.50.

Leguminosae of the United States. I. Subfamily Mimosoideae. Duane Isely. The

New York Botanical Garden, Bronx, N.Y., 1973. 152 pp., illus. Paper, \$7. Memoirs of the New York Botanical Garden. Vol. 25, No. 1.

Moisture Conditions in the Savanna Region of West Africa. Kala Swami. Department of Geography, McGill University, Montreal, Canada, 1973. xii, 108 pp., illus. Paper, \$8.50. Savanna Research Series, No. 18. Climatological Research Series, No. 8.

Nematode Ecology and Plant Disease. H. R. Wallace. Arnold, London, and Crane, Russak, New York, 1973. x, 228 pp., illus. + plates. \$19.75.

Overpopulation. Everyone's Baby. George Morris. Priory Press, London, 1973 (U.S. distributor, Crane, Russak, New York). 192 pp., illus. \$14.50.

Physics for the Life Sciences. Alan H. Cromer. McGraw-Hill, New York, 1974. xii, 498 pp., illus. \$11.95.

Physics of Thin Films. Advances in Research and Development. Vol. 7. Georg Hass, Maurice H. Francombe, and Richard W. Hoffman, Eds. Academic Press, New York, 1973. xiv, 422 pp., illus. \$31.

Polymer Science Study Guide. Gerald S. Kirshenbaum. Gordon and Breach, New York, 1973. x, 136 pp., illus. Paper, \$8.50.

Quantitative Techniques in Geography. An Introduction. Robert Hammond and Patrick McCullagh. Clarendon (Oxford), New York, 1974. xvi, 318 pp., illus. Paper, \$5.95.

Réalisme Dialectique. Introduction à une Philosophie de la Croissance. Yves

Chesni. La Baconnière, Neuchâtel, Switzerland, 1973. 206 pp. Paper, 24 F. Collection Languages.

The Study of Enzyme Mechanisms. Eugene Zeffren and Philip L. Hall. Wiley-Interscience, New York, 1973. xiv, 284 pp., illus. \$14.95.

Submicroscopic Cytochemistry. Vol. 1, Proteins and Nucleic Acids. Isidore Gersh, Ed. Academic Press, New York, 1973. xxiv, 388 pp., illus. \$35.

Successful Women in the Sciences. An Analysis of Determinants. Papers from a conference, New York, May 1972. Ruth B. Kundsins, Ed. New York Academy of Sciences, New York, 1973. 256 pp. Paper, \$20. *Annals of the New York Academy of Sciences*, vol. 208.

Theory of Errors and Generalized Matrix Inverses. Arne Bjerhammer. Elsevier, New York, 1973. xii, 420 pp., illus. \$47.50.

A User's Handbook of Integrated Circuits. Eugene R. Hnatek. Wiley-Interscience, New York, 1973. xiv, 450 pp., illus. \$24.95.

Vasectomy and Vasectomania. David Wolfers and Helen Wolfers. Illustrated by Berndt Heinrich. Mayflower, Herts, England, 1974. 266 pp., illus. Paper, \$C1.95.

Who Becomes Delinquent? Second Report of the Cambridge Study in Delinquent Development. D. J. West and D. P. Farrington. Heinemann, London, 1973 (U.S. distributor, Crane, Russak, New York). xvi, 266 pp. \$14.75. Cambridge Studies in Criminology, vol. 34.



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POSITIONS WANTED

Biochemist. M.S. Three years' experience. Publications. Background in electronics. Desires academic or industrial research placement, preferably in the Northwest. Available in September. Robert Seely, 1600 Wabash, Denver, Colorado 80220. 6/7

Young, energetic **Biology Faculty** (eight members), of proven research and teaching capabilities, seeks new home. Disciplines include invertebrate zoologist, invertebrate ecologist, algal ecologist, biochemical/developmental plant physiologist, plant morphologist/paleobotanist, biochemical microbiologist, biochemist/cell biologist, fishery/environmental physiologist. Group experienced at working together under stress. Contact **P. W. Basson, Chairman, Department of Biology, American University of Beirut, Beirut, Lebanon.** X

Biologist. Ph.D. Desires teaching/research position. Twelve years of experience in introductory biology and general ecology. Box 279, **SCIENCE.** X

Cell Biologist. Ph.D. Seeks temporary position. Experience in cell fractionation techniques, biochemistry, electron microscopy. Box 280, **SCIENCE.** X

Comparative Physiologist. Ph.D. Sodium and water metabolism. Desires academic research-teaching position. Eight years teaching experience, strong research background. Box 287, **SCIENCE.** 6/7, 14, 21

Computer Scientist/Ecologist/Biometrician, with education, experience and publications. Seeks a teaching-research position in southeastern or South-Central states. Box 281, **SCIENCE.** X

Ecologist. Experienced and enthusiastic, seeks challenging position which combines administrative responsibility with research, teaching and/or writing. Phone Dexter Hinckley (804): work 924-3353, home 973-3478. X

Electron Microscopist. Ph.D. 1962. Significant research, publications, tumorigenesis, hematology, virology, parasitology. Presently professor and director of EM laboratory. Seeks challenging position with opportunity for collaboration. Sanford Vernick, 40 Revere Road, Port Washington, N.Y. 11050. 6/7, 14, 21

Molecular Biologist-Developmental Biologist with experience in immunological techniques seeks research/academic position. Ph.D. 1972, Johns Hopkins University; 2 years of postdoctoral training at Walter and Eliza Hall Institute of Medical Research (Melbourne). Publications and experience in nucleic acid hybridization and cell-free protein synthesis. Available early 1975. Reply Barbara Schmeckpeper, Walter and Eliza Hall Institute, P.O. Royal Melbourne Hospital, Victoria, 3050, Australia. X

POSITIONS WANTED

Neurochemistry-Psychopharmacology-Experimental Psychology. Ph.D. 1973, good publications, 4 years of college teaching, postdocs in behavioral pharmacology and neurochemistry, seeks teaching/research position. Box 282, **SCIENCE.** X

Nutritional Biochemist. Ph.D. 1968. Seeks suitable academic position. Considerable teaching and research experience with publications. Box 283, **SCIENCE.** X

Nutritionist-Biochemist-Physiologist. Ph.D. 1969. Experience in teaching human biology and nutrition. Research in lipid, protein and nonprotein nitrogen metabolism. Postdoctoral (biochemistry) research in an adenylate cyclase system. Sixteen publications. Seeks research or research/teaching position. Box 272, **SCIENCE.** 6/7

Pharmacologist. Ph.D. 1973. Postdoctoral teaching and research experience. Strong background in membrane transport and drug toxicity study. Publications. Seeks research and/or teaching position. Box 284, **SCIENCE.** X

Physicist. 32. Ph.D. 1969, low temperature and solid state spectroscopy. Five years of university teaching/research experience. Seeks industrial R & D position. Box 285, **SCIENCE.** X

Senior, tenured, minority faculty member large California state university past 12 years. **Reproductive/Developmental Biologist.** Ph.D. Seven years of research, 1 year of industrial experience, and 17 years teaching and administrative experience. Extremely unhappy in California. Desire teaching and/or administrative position South, Southeast or Northeast. Available September 1974, January or July 1975. C. W. Porter, 1621 Trona Way, San Jose, Calif. 95125. X

Theoretical Physicist. Ph.D. (particle theory, 1971). Research and teaching experience. Also engineering background. Dedicated, hard-working. Research, teaching or industry. Box 286, **SCIENCE.** 6/7, 14

POSITIONS OPEN

ANIMAL BEHAVIORIST

The Department of Biology of Wilkes College is seeking an animal behaviorist with competency in comparative anatomy and general biology for fall semester 1974. A person with a nonmammalian specialization is desired. Appointment is at the assistant professor level, Ph.D. required. Send résumé to: **Dr. Charles Reif, Chairman, Department of Biology, Wilkes College, Wilkes-Barre, Pa. 18703.**

ASSISTANT PROFESSOR OF ENVIRONMENTAL ENGINEERING—RICE UNIVERSITY

Candidate should have a strong background and interest in applied hydrology and water resources. Experience in field measurements and monitoring would be very desirable. Position involves undergraduate and graduate instruction and development of research programs. Salary competitive. Send résumé to **Chairman, Recruitment Committee, Environmental Science and Engineering Department, Rice University, P.O. Box 1892, Houston, Texas 77001.** Position to be filled for fall semester 1974 if possible. *Rice University is an affirmative action/equal opportunity employer.*

1. **BIOCHEMIST (ENZYMOLOGIST),** full professor level. Candidates should have recognized distinction in both research and teaching.

2. **POPULATION GENETICIST,** preferably assistant professor level (postdoctoral experience desirable) and demonstrated teaching and research ability required.

Please send résumé to: **Dr. J. G. Scandalios, Head, Department of Biology, University of South Carolina, Columbia, South Carolina 29208.** *Women and minority applicants encouraged*

CELL BIOLOGIST-ELECTRON MICROSCOPIST

Applications are invited for a position as assistant research biologist to develop electron microscopy portion of research program concerned with the biology of mammalian tumor cells and the effects of viruses and chemicals on the properties of these cells. Candidate should have background in tissue culture, cell biology, virology, and molecular biology; must be skilled in all aspects of microscopy, including freeze-etch and scanning; and must be competent to conduct research in cellular transformation. Applicants should request three referees to write and send curriculum vitae and bibliography to: **A. J. Hackett, Cell Culture Laboratory, Naval Biomedical Research Laboratory, Navy Supply Center, Oakland, California 94663.**

Minorities welcome. Salary \$15,500. Appointment for 1 year with option for renewal if mutually agreeable and funds are available.

POSITIONS OPEN

ASSISTANT PROFESSOR POSITION

Starting 1 September 1974. Duties include teaching undergraduate and graduate courses in cell biology and development of an individual research program. Ph.D. required with postdoctoral experience desired. Applicants should submit curriculum vitae, including transcripts and three letters of reference to: **Dr. R. C. Jackson, Chairman, Department of Biological Sciences, Texas Tech University, Lubbock, Texas 79409.** *An Equal Opportunity/Affirmative Action Employer*

ASSISTANT PROFESSOR. Ph.D. with experience in the sensory sciences (sensory methods, advanced statistics, computer techniques) and chemical-biochemical sciences to teach and conduct research in the area of meat and meat products. Salary: \$14,000 to \$15,000. *University of California, Davis, an Affirmative Action Employer.* Applications from women and/or minorities are encouraged. Curriculum vitae, summary of research experience, transcripts, and four references should be sent to: **Prof. Gerald F. Russell, Chairman Search Committee, Food Science and Technology, University of California, Davis, California 95616.** Closing date: 1 August 1974.

ASSISTANT RESEARCH GENETICIST

Position available in the Department of Reproduction/Serology Laboratory, University of California School of Veterinary Medicine. Candidates must possess a Ph.D. degree in genetics, be eligible for academic appointment, and have a working knowledge of blood groups and their applications in domestic animals. Send résumé to: **C. Stormont, Director, Serology Laboratory, University of California, Davis, California 95616.** *An equal opportunity employer*

BIOCHEMICAL MICROANALYST

A professorial position (AH 5) in "Biochemical Microanalysis and Pharmacokinetics" exists in the Division of Embryonal Pharmacology of the Free University, Berlin. The successful applicant will create and lead a research group devoted to measurement of drugs and of metabolites in various stages of mammalian embryonic development by gas chromatography/mass spectrometry and ancillary methods. He will also take part in related clinical studies and in teaching either biochemistry or pharmacology. The position is permanent and independent; the applicant's competence should be demonstrated by several original papers in one or more of the relevant areas. About \$100,000 will be provided initially to set up the new laboratory, and funds will be available for purchase of the necessary GC/MS equipment. Salary and fringe benefits are competitive. Applicants should reply within 4 weeks to: **Freie Universität Berlin, 1 Berlin 33, Thielallee 69/73, Embryonal-Pharmakologie (Verwaltungsleiter), Berlin-West.**

CELLULAR IMMUNOLOGIST

Research appointment available for independent studies in the field of tumor immunology. Current ongoing programs include studies on the mechanism of tumor cell destruction and the development of in vitro assays for estimation of cell mediated immune responses.

Preference given to experienced Ph.D., but active consideration given to imminent or newly graduated Ph.D. with strong immunology background. Salary open. Send curriculum vitae and names of three references to: **Dr. C. S. Henney, The O'Neill Research Laboratories, Johns Hopkins University School of Medicine at the Good Samaritan Hospital, 5601 Loch Raven Blvd., Baltimore, Maryland 21239.** *An equal opportunity employer.*

THE UNIVERSITY OF MARYLAND AT COLLEGE PARK invites applications for the position of **Professor and Chairman of the Department of Electrical Engineering.** Applicants for the position should have research, teaching, and administrative ability. The Department of Electrical Engineering currently has 41 members in the professional ranks. It offers bachelor's, master's, and doctoral programs. *The University of Maryland is an equal opportunity employer.* Please send letter of intent and curriculum vitae to **Dr. John D. Anderson, Jr., Chairman of the Search Committee, Professor and Chairman, Department of Aerospace Engineering, College of Engineering, University of Maryland, College Park, Maryland 20742.**

CHEMISTRY

Two temporary chemistry faculty positions open for fall semester 1974. Associate professor to teach analytical chemistry. Ph.D. preferred with background in instrumentation. Assistant professor to teach organic and health chemistry. Ph.D. with some teaching experience preferred. Write **Dr. Stanford L. Tackett, Department of Chemistry, Indiana University of Pennsylvania, Indiana, Pa. 15701.** Deadline: 21 June 1974. *An Equal Opportunity/Affirmative Action Employer*

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G. D. Searle & Co., a leader in pharmaceutical research and development, has an immediate opening for a research assistant in the gastrointestinal pharmacology area.

As a member of our research team, you will assist in the design and implementation of all phases of gastrointestinal research.

The ideal candidate should possess a B.S. or M.S. degree in the biological sciences with 2 to 5 years of experience in pharmacology or physiology, preferably in the gastrointestinal area.

We offer an excellent starting salary, together with attractive fringe benefits: If interested, please forward your résumé to:

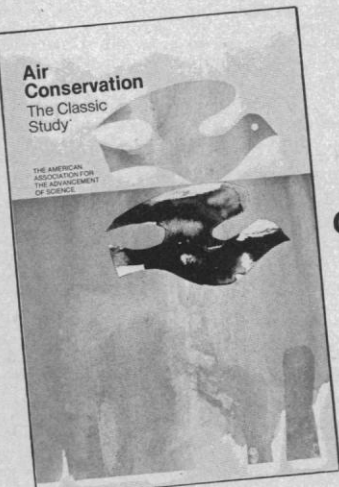
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POSITIONS OPEN

CHAIRMAN, DIVISION OF TUMOR IMMUNOLOGY ST. JUDE CHILDREN'S RESEARCH HOSPITAL

St. Jude Children's Research Hospital is seeking a distinguished scientist to organize and chair a division of tumor immunology. Applications are invited from persons with demonstrated expertise in basic immunology. Letters of application, with curriculum vitae, should be sent to

Dr. R. G. Webster
Chairman, Search Committee
St. Jude Children's Research Hospital
P.O. Box 318
Memphis, Tenn. 38101
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BIOCHEMISTRY DEPARTMENT CHAIRMAN STATE UNIVERSITY OF NEW YORK, STONY BROOK

Nominations and applications for this appointment are invited. Qualifications should include an outstanding record of achievement in research, teaching, and appropriate administrative experience.

The department serves the educational needs of undergraduates in the College of Arts and Sciences, medical, dental, and other students in the School of Basic Health Sciences and graduate students enrolled in Ph.D. programs.

The State University of New York at Stony Brook is an Affirmative Action-Equal Opportunity Employer and encourages applications from women and members of American minority groups.

Appointment title and salary are dependent upon qualifications and experience. Send nominations and inquiries to:

Dr. Vincent P. Cirillo
Chairman, Search Committee
Department of Biochemistry
State University of New York
Stony Brook, New York 11794

MCGILL UNIVERSITY—DEPARTMENT OF BIOLOGY CHAIRMAN

Applications and nominations are invited for the above-mentioned position which will be open on 1 June 1975. The Department of Biology consists of 51 full-time and affiliated academic staff representing most areas of biology with emphasis on cell, molecular and developmental biology, ecology, human genetics, and neurobiology.

Qualifications sought include evidence of scholarship in research, skill in teaching, and administrative experience. Inquiries, nominations, and applications (accompanied by a curriculum vitae and names of at least three referees) should be directed to:

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McGill University
P.O. Box 6070
Montreal H3C 3G1
Canada

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FACULTY POSITION

It is anticipated that a faculty position will become available 1 July 1974. Applicants must be experienced teachers of gross anatomy and have an active research program in progress.

Send curriculum vitae and the names of three referees to: **Chairman, Department of Human Anatomy, School of Medicine, University of California, Davis, California 95616**.

HUMAN GENETICS

Salary and rank open. Postdoctoral experience desirable. Applicants must be interested in teaching human genetics and participating in a genetics clinic. Active research commitment required, preferably in somatic cell genetics and/or immunogenetics. *Michigan State University Is an Equal Opportunity Employer.*

Director, Genetics Program
34 Plant Biology
Michigan State University
East Lansing, Michigan 48824

POSITIONS OPEN

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Stony Brook invites nominations and applications for the newly created position of Dean for Undergraduate Studies, a major post designed to enhance the intellectual integrity and coherence of undergraduate education. This Dean directs the Center for Curriculum Development and the staff and resources of an existing Office of Undergraduate Studies. The Dean will participate in the formulation of academic policy and corresponding resource and personnel decisions.

Please direct all correspondence to: **James B. McKenna, Chairman, Search Committee, State University of New York, Stony Brook, New York 11790**.

*Stony Brook is an Equal Opportunity/
Affirmative Action Employer*

EPIDEMIOLOGIST/BIOSTATISTICIAN

Office of Environmental Sciences of the U.S. Environmental Protection Agency seeks a research administrator for Chief, Epidemiology Branch, Health Effects Division in Washington, D.C. Ph.D. in epidemiology or biostatistics and at least 3 years of related experience required. Responsibilities include planning, managing, and evaluating research for the collection and analysis of data on selected health indicators in populations exposed to pollutants. Salary from \$28-36K commensurate with qualifications.

For further information call (collect) **Ms. L. Bowman at (202) 755-0260** or write: **EPA, Personnel Management Division, Room 3019, 401 M Street, SW, Washington, D.C. 20460. EOE**

HEAD, DEPARTMENT OF ENTOMOLOGY

Applications or nominations are invited for the department head position in the Department of Entomology, University of Georgia, available 1 July 1975. Primary duties will include the advancement of established programs of teaching and research. The department has a faculty of 17 and is joint staffed in the Colleges of Arts and Sciences, in the School of Forestry, and in Agriculture. We seek a person with a broad entomological background and distinguished achievement who is capable of providing innovative leadership. Interested persons may send a complete curriculum vitae, pertinent reprints, and names of three professional references to: **Arden O. Lea or Herbert H. Ross, Co-Chairman, Search Committee, Department of Entomology, University of Georgia, Athens, Georgia 30602**.

NUTRITIONAL BIOCHEMIST (Ph.D.)

For studies of colon carcinogenesis in man. Research experience in fecal bile acid and neutral sterol analysis—at least 2 years of related experience following Ph.D. Send curriculum vitae to:

Personnel Department
American Health Foundation
1370 Avenue of the Americas
New York, New York 10019

UNIVERSITY OF NOTTINGHAM DEPARTMENT OF GENETICS

Postdoctoral Research Associate

Applications are invited for the position of Postdoctoral Research Associate. The successful applicant will be expected to take part in a study of the genetic fine-structure of the alcohol dehydrogenase locus in *Drosophila melanogaster*. This study, which aims to clarify the control of gene-action in eukaryotes, is supported by the Medical Research Council, and is carried out in collaboration with the Universities of Cambridge and Edinburgh. The appointment will be for 3 years, and the starting salary will be £1923 (x £158). Preference will be given to candidates with a strong background in *Drosophila* genetics, or in studies of prokaryote fine-structure.

Applications, including a curriculum vitae and the names of three referees, should be sent to the Staff Appointments Officer, University of Nottingham, University Park, Nottingham NG7 2RD, England.

POSITIONS OPEN

FRESHWATER ECOLOGIST

Private college in central Maine. Teach general biology, freshwater biology, fisheries biology, and pollution ecology. Master's degree required, 1-year appointment with possible continuation. Apply with résumé to:

Dr. Jan Sassaman
Unity College
Unity, Maine 04988

FACULTY POSITION

Available for psychiatrist in the community programs of the Youth Services, Department of Psychiatry, University of Michigan Medical School. This is a new, developing and exciting program. Professorial rank dependent on experience and qualifications. Teaching and research skills should be documented. Boards or Board eligibility in Psychiatry and Child Psychiatry essential. Send résumé to **Box 289, SCIENCE**. *A Nondiscriminatory Affirmative Action Employer*

FACULTY POSITION

Available in the Youth Services, Department of Psychiatry, University of Michigan Medical School. Candidate must be experienced clinician responsible for teaching and supervision of medical students, child fellows, and residents. Time to be devoted to inpatient treatment services for children and outpatient department and community programs. Opportunities for research. Professorial rank dependent on experience and qualifications. Boards in Psychiatry and Child Psychiatry advisable. Teaching and published research experience important. Code #200L. Send résumé to **Box 290, SCIENCE**.

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Available in the Department of Psychiatry, University of Michigan Medical School. Must be Board certified or eligible staff psychiatrist for the affiliated VA Hospital; for inpatient unit that offers opportunity for innovative treatment program, teaching of residents and medical students, and research opportunities. Opportunity to develop liaison service to medical or surgical departments in an academic setting. Professorial rank dependent on experience and qualifications. Send résumé to **Box 291, SCIENCE**. *A Nondiscriminatory Affirmative Action Employer.*

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Teaching responsibilities will include neuroscience for medical and dental students and graduate student training. Rank and salary will be determined by qualifications. Reply to **Maynard M. Dewey, Chairman, Department of Anatomical Sciences, Health Science Center, State University of New York, Stony Brook, N.Y. 11790**, by 30 June 1974. *Applications from women and members of minority groups are encouraged.*

Ph.D. PATHOLOGIST

Responsibility for teaching general Pathology to second-year medical students. Three lectures and four lab hours weekly during academic year. Emphasis on teaching excellence. Research encouraged but not mandatory. Faculty rank and salary commensurate with qualifications. Modern 426-bed hospital. Send curriculum vitae to **Dr. E. H. Whitten, Associate Dean for Academic Affairs, College of Osteopathic Medicine, 2105 Independence Blvd., Kansas City, Mo. 64124. Tel.: 816-283-2402**.

PHYSIOLOGIST

HAZLETON LABORATORIES, INC., specializing in the life and applied sciences, has a staff position available in our Inhalation Toxicology Department. This department conducts contract research projects on the effects of airborne materials on the pulmonary and other systems in animal models. A Ph.D. in physiology with a strong background in respiratory physiology and an interest in applied science is required.

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POSITIONS OPEN

TERRESTRIAL BIOLOGIST

Corporate Headquarters Office of major energy industry seeks a terrestrial biologist for environmental impact studies associated with its operations. A member of an interdisciplinary team, this position is responsible for field studies, legislative analyses, and preparation of biological portions of environmental impact statements. We require a Ph.D. in Biology with thorough grounding in ecological systems. Experience is desirable, but not required. Location is middle East Coast. Starting salary to \$21,000.

Please send complete résumé, including salary to:

Box 294, SCIENCE

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ACLAM certified, or eligible for certification, to supervise production of laboratory animals for cancer research. Will be responsible for cesarean derivation, gnotobiotic rearing, genetic integrity, and expansion of pedigreed colonies of rodents and rabbits. Prior experience with comparable responsibilities required.

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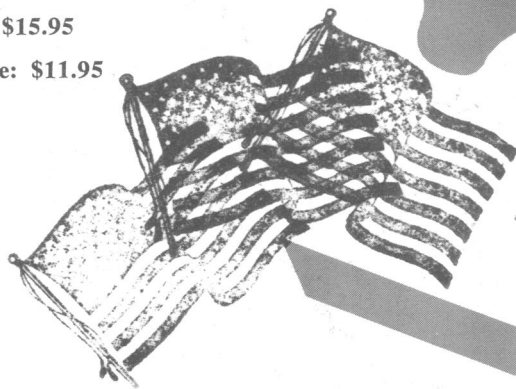
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