

BOOKS RECEIVED

(Continued from page 473)

- New Developments in Electromyography and Clinical Neurophysiology.** John E. Desmedt, Ed. Karger, New York, 1973. 3 vols., illus. Vol. 1, New Concepts of the Motor Unit, Neuromuscular Disorders, Electromyographic Kinesiology. xii, 710 pp. Vol. 2, Pathological Conduction in Nerve Fibers, Electromyography of Sphincter Muscles, Automatic Analysis of Electromyogram with Computers. viii, 514 pp. Vol. 3, Human Reflexes, Pathophysiology of Motor Systems, Methodology of Human Reflexes. xiii, 870 pp. Boxed, \$240.
- Plate Tectonics and Geomagnetic Reversals.** Readings, selected, edited, and with introductions by Allan Cox. Freeman, San Francisco, 1973. x, 702 pp., illus. \$17. A Series of Books in Geology.
- Principles of Environmental Physics.** John L. Monteith. Elsevier, New York, 1973. xiv, 242 pp., illus. \$20. Contemporary Biology Series.
- Problems of Our Physical Environment.** Energy, Transportation, Pollution. Joseph Priest. Addison-Wesley, Reading, Mass., 1973. xviii, 390 pp., illus. \$10.95. Addison-Wesley Series in Physics.
- Psychoanalytic Schools from the Beginning to the Present.** Dieter Wyss. Translated from the German edition (Göttingen, 1961) by Gerald Onn. Aronson, New York, 1973. iv, 568 pp. \$15.
- The Psychophysiology of Thinking.** Studies of Covert Processes. F. J. McGuigan and R. A. Schoonover, Ed. Academic Press, New York, 1973. xvi, 512 pp., illus. \$26.50.
- Radiotracer Studies of Chemical Residues in Food and Agriculture.** Proceedings of a meeting, Vienna, Oct. 1971. International Atomic Energy Agency, Vienna, 1972 (U.S. distributor, Unipub, New York). viii, 166 pp., illus. Paper, \$6. Panel Proceedings Series.
- Rampage.** The Story of Disastrous Floods, Broken Dams, and Human Fallibility. Peter Briggs. McKay, New York, 1973. xii, 212 pp. + plates. \$6.95.
- Rubber Technology.** Maurice Morton, Ed. Van Nostrand Reinhold, New York, ed. 2, 1973. x, 604 pp., illus. \$18.50.
- Statistical Tables.** For Science, Engineering, Management and Business Studies. J. Murdoch and J. A. Barnes. Halsted (Wiley), New York, 1973. 40 pp. Paper, \$1.50. Reprint of the 1970 edition.
- Statistics and Society.** Data Collection and Interpretation. Walter T. Federer. Dekker, New York, 1973. xiv, 400 pp., illus. Paper, \$14.50. Statistics, Vol. 3.
- Stereochemistry and Mechanism.** David Whittaker. Clarendon (Oxford University Press), New York, 1973. viii, 96 pp., illus. Cloth, \$9; paper, \$4.95. Oxford Chemistry Series.
- A Strategy for Evaluating Health Services.** David M. Kessner and Carolyn E. Kalk, Eds. Institute of Medicine, Washington, D.C., 1973. xvi, 220 pp., illus. Paper, \$6. Contrasts in Health Status, Vol. 2.
- Strengthening Navajo Education.** Navajo Tribe, Window Rock, Ariz., 1973. viii, 48 pp., illus. Spiral bound, \$6.
- Structure and Bonding.** Vol. 14. J. D. Dunitz and seven others, Eds. Springer-Verlag, New York, 1973. iv, 176 pp., illus. \$22.50.
- Surface and Colloid Science.** Vol. 6. Egon Matijevic, Ed. Wiley-Interscience, New York, 1973. viii, 312 pp., illus. \$22.50.
- Techniques of Autoradiography.** Andrew W. Rogers. Elsevier, New York, ed. 2, 1973. xii, 372 pp., illus. \$23.75.
- Technology, Man and the Environment.** David Hamilton. Scribner, New York, 1973. 358 pp., illus., + plates. \$9.95.
- Thematic Origins of Scientific Thought.** Kepler to Einstein. Gerald Holton. Harvard University Press, Cambridge, Mass., 1973. 496 pp. Cloth, \$10; paper, \$3.95.
- Theory of the Earth's Gravity Field.** Milos Pick, Jan Picha, and Vincenc Vyskočil. Elsevier, New York, 1973. 538 pp., illus. \$34.
- Titanium Science and Technology.** Pro-
- ceedings of a conference, Cambridge, Mass., May 1972. R. I. Jaffee and H. M. Burte, Eds. Plenum, New York, 1973. Four vols., illus. Vol. 1. xxviii + pp. 1-768. Vol. 2. iv + pp. 773-1428. Vol. 3. iv + pp. 1433-2122. Vol. 4. iv + pp. 2127-2740. \$115. The Metallurgical Society of AIME Proceedings.
- Treatise on Materials Science and Technology.** Vol. 2. Herbert Herman, Ed. Academic Press, New York, 1973. xii, 398 pp., illus. \$28.
- Visual Aids and Photography in Education.** A Visual Aids Manual for Teachers and Learners. Michael Langford. Hastings, New York, 1973. 350 pp., illus., + plates. \$13.95.
- Water Quality.** Management and Pollution Control Problems. Jerusalem Workshop Papers. S. H. Jenkins, Ed. Pergamon, New York, 1973. xx, 352 pp., illus. \$45. Progress in Water Technology, Vol. 3.

THE SEXUAL CODE

The Social Behavior of Animals and Men

Wolfgang Wickler; introduction by Konrad Lorenz. A prominent ethnologist goes beyond the bind of speculative analogies to present an integrated view of social patterns, focusing on the role of family and sex in cementing relationships. Illustrated. Paperbound, \$3.50.

THE COSMIC CONNECTION

An Extraterrestrial Perspective

Carl Sagan; produced by Jerome Agel. With this book, extraterrestrial life emerges as an idea whose time has come. Written by astronomy's and exobiology's most articulate spokesman, this non-technical, richly illustrated book persuasively breaks down our resistance to the "unthinkable." Hardcover, \$7.95.

THE NATURAL HISTORY OF MAN

J. S. Weiner. The author of *The Piltdown Man* surveys man's adaption to the varied environments of his evolutionary history, discussing how the genetic structure of the human population developed and why it exhibits broad geographical diversity. Illustrated. Paperbound, \$2.95.

THE HOPE OF PROGRESS

A Scientist Looks at Problems in Philosophy, Literature and Science

Peter B. Medawar. The internationally respected biologist and Nobel laureate has brought together his most recent essays and lectures, examining the relationship between science and society and defending the hope of future scientific progress. An Anchor Original. Paperbound, \$1.95.

SEEING AND THE EYE

An Introduction to Vision

G. Hugh Begbie. Using a series of optical illusions, the book leads the reader step-by-step through the complex aspects of the visual system, explaining the roles of light, the eye, and the brain in combining to produce our visual awareness. Illustrated, Paperbound, \$2.95.

EXPERIMENTS IN METEOROLOGY

Investigations for the Amateur Scientist

Leslie W. Trowbridge. Basic experiments, using easily obtainable equipment, which cover every aspect of meteorology: weather, climate, rainfall, humidity, cloud formations, temperature, snowflake photographs, and much more. Hardcover, \$6.95.



Doubleday & Company, Inc.
Garden City, New York 11530

Personnel Placement

POSITIONS WANTED

Behavioral Neuroscientist, Ph.D. 1968, 14 years' experience in primate research, brain neurochemistry and behavior; research experience in brain mechanisms of sleep and arousal, morphine and alcohol addiction, food and water intake, thermoregulation, drug-induced lesions and cerebral blood flow; 30 publications. Seeks academic teaching/research position or industrial research position. Box 521, SCIENCE. X

Ph.D. Biochemist. Experienced in natural product isolation and characterization, fungal physiology, differentiation in higher fungi, fermentation technology; 12 years of teaching and 4 years of industrial research position. Box 522, SCIENCE. X

Biochemist-Chemist, 32 years; Ph.D. 1966; research in chemistry and biochemistry of lipids; membranes; natural products; wide experience in analytical methods; I.R.; U.V.; N.M.R.; T.L.C.; gas-liquid chromatography. Mass spectrometry. Other chromatographic methods and their applications to chemical and biochemical problems; publications; teaching experience; presently holding faculty position. Box 523, SCIENCE. X

Cardiovascular Physiologist: Atherogenesis, electrolytes, endocrinology, SEM, TEM. Grants, contracts, publications, administrative experience. Desires challenging research opportunity, some teaching. Box 524, SCIENCE. X

Cytogenetics Technician, M.A., with 6 years' experience involving tissue culture. Seeks research position. Box 526, SCIENCE. X

Expert in Environmental Diffusion seeks opportunity to work on organism dispersal. Book on mathematical ecology (animal dispersal) in preparation. Broad background. Publications. Dr. Akira Okubo, Chesapeake Bay Institute, Johns Hopkins University, Baltimore, Maryland 21218.

General Manager, V.P., director. Ph.D. microbiology. Experience: production, quality control, R & D, marketing. Health fields: biologicals, diagnostics, pharmaceuticals. Desires management, R & D, quality control, or academic administrative position. Box 514, SCIENCE. 11/9

Immunology Research Group in a university, consisting of one M.D.-Ph.D., several Ph.D.'s, and Ph.D. candidates, desires relocation in a university medical center department or in a research institution. Research interests include the immunology of cancer; the role of the macrophage, T and B lymphocytes, and lymphokines in cell-mediated immunity; and antigenic competition. Numerous publications. Box 527, SCIENCE. X

Microbiologist-Immunologist. Ph.D. Extensive industrial experience in directing, planning, and coordinating the development and testing of human biologicals. Desires challenging position that allows greater responsibility and participation in policy-making decisions. Box 528, SCIENCE. X

Microbiologist-Molecular Biologist, Ph.D. Seeks teaching/research position. Six years' teaching experience at college level. Numerous publications, and postdoctoral training in microbial genetics. Available January or September 1974. Box 529, SCIENCE. X

Microbiologist, Ph.D., overqualified/unemployed; 17 years of research, development, and production. Experience in strain development, genetics, phage, sterilization, and control. Desires research, production, control position. Relocate anywhere. Box 530, SCIENCE. X

Protein Immunochemist (33, Ph.D. Engineer—5 years industry). Research abroad or United States; English, Dutch, German, French; methods development—fractionation—Laurell immunoelectrophoresis—radioimmunoassay (RAST). Box 517, SCIENCE. X

Virologist, 3 years molecular biology postdoctoral, 2 years medical school junior faculty, experience in animal bacterial virology, tissue culture, cancer research. Five publications. Available January. Judith Truden, 545 Elm Grove Road, Elm Grove, Wisconsin 53122. 11/2

POSITIONS OPEN

ASSISTANT PROFESSOR POSITIONS AVAILABLE

in the Department of Biological Sciences. Appointments are for (i) a geneticist (1 January 1974) and (ii) ecologist with botanical experience (1 July 1974). A second ecology appointment may be made for 1 July 1974. Send complete résumé with names of references to **Dr. A. H. Houston, Professor and Chairman, Department of Biological Sciences, Brock University, St. Catharines, Ontario, L2S 3A1, Canada.**

ASSISTANT PROFESSORSHIP: INORGANIC CHEMISTRY, Fall 1974. A new faculty member, capable of developing a vigorous and imaginative research program, is being sought. The preferred area is inorganic photochemistry, but others will be considered. The appointee is also expected to have a strong commitment to teach at the general chemistry level. Letters from three referees, a résumé, an outline of proposed research, and requirements should be sent to: **Dr. J. J. Eisch, Chairman, Department of Chemistry, State University of New York at Binghamton, Binghamton, New York 13901. An affirmative action/equal opportunity employer.**

ASSISTANT PROFESSOR OF MATHEMATICS

Three vacancies at the Assistant Professor level for strongly research oriented persons. Probably one analyst, one algebraist, and one topologist. Send résumé to **Prof. O. G. Harrold, Chairman, Department of Mathematics, Florida State University, Tallahassee, Florida 32306.**

BIOCHEMICAL PHARMACOLOGIST. Staff position immediately available in our Research Institute—Division of Biochemistry for a Ph.D. or equivalent. Excellent opportunity present to develop own program as well as to interface with diversified dental research program. Comprehensive benefit program includes several noncontributory plans. Please direct résumé with salary requirements to: **Michael Salemm, Personnel Director, 211 East Chicago Ave., Chicago, Illinois 60611. An Equal Opportunity Employer**

BIOCHEMIST

Postdoctoral position open for lipid enzyme studies. Strong background in enzymology. No teaching, \$8500 to \$9000 for 12 months. Women and minority persons are encouraged to apply. Send résumé, list of publications, references by 15 December to **H. Schlenk, The Hormel Institute, University of Minnesota, 801 16th Ave. N.E., Austin, Minn. 55912.**

DEPARTMENT CHAIRMAN—GEOLOGY

Applications and nominations are invited for the position of Chairman, Department of Geological Sciences, State University of New York at Buffalo, starting September 1974. Send résumé to **Chairman, Geological Sciences Search Committee, Office of the Provost, Faculty of Natural Sciences and Mathematics, State University of New York at Buffalo, Buffalo, New York 14214.**

An equal opportunity/affirmative action employer.

CELL BIOLOGIST

Department of Biology Emory University

Applications are invited for a position in cell biology at the Assistant Professor level effective 1 September 1974. Broad training in biology is desired. Interest in both undergraduate and graduate teaching is necessary, and the development of a program of significant research is expected.

Send curriculum vitae and names of three references to **Dr. A. C. Clement, Chairman of Search Committee, Department of Biology, Emory University, Atlanta, Ga. 30322.**

An Equal Opportunity Employer

The Department of Chemistry, Stanford University, is seeking assistant professorial candidates in **EXPERIMENTAL PHYSICAL CHEMISTRY**. Preference will be given to areas of research in relation to the department's interests and needs. All applicants should provide evidence of truly exceptional accomplishment and future potential in both independent scholarship and teaching aptitude. Three confidential letters of reference, graduate and undergraduate academic transcripts, research publications, and a one- to two-page synopsis of future research plans are required to complete each application and should be sent to **Professor James P. Collman, Chairman, Canvasing Committee, Department of Chemistry, Stanford University, Stanford, California 94305, by 15 November 1973.**

All candidates who meet the above qualifications are urged to apply irrespective of race, sex, or ethnic origin.

POSITIONS OPEN

BRYOLOGIST

Applications are invited for a position made available by a retirement. The appointee will be expected to continue the active graduate teaching and research program in bryology now in the department and will have curatorial responsibilities for the large bryological collections. The rank and salary of the appointee are open to negotiation. To ensure consideration, an application and curriculum vitae should reach **Dr. A. Murray Evans, Chairman, Screening Committee, Department of Botany, University of Tennessee, Knoxville, Tennessee 37916, by 15 November 1973.**

CULTURAL ECOLOGY/ENVIRONMENTAL ARCHAEOLOGY

Interdisciplinary program in Environments and People, concentrating on the interaction of human societies within natural ecosystems, has a position for a cultural ecologist with training in environmental archaeology and an interest in social prehistory. The position is primarily a teaching position. In addition, there should be a commitment to applying knowledge to current environmental concerns and relating one's competencies to public affairs. Rank and salary dependent on qualifications. Sangamon State University is an affirmative action/equal opportunity employer. Submit full résumé to: **Jerry L. Wade, Environments and People Program, Sangamon State University, Springfield, Illinois 62708. Telephone: 217-786-6790.**

DEAN OF

NATURAL SCIENCE AND MATHEMATICS

Stockton State College is a growing, 2-year-old, innovative member of the New Jersey system, located in the coastal pine barrens, and emphasizing teaching excellence. The 35 present members of the Faculty of Natural Science and Mathematics are distributed loosely through seven program areas: Biology, Chemistry, Environmental Studies, Geoscience, Marine Science, Mathematics, and Physics. Among other duties, the new Dean will lead a young, vigorous, and individualistic faculty, as well as continue the development of extensive outdoor facilities and a single, multidisciplinary open laboratory. Please reply with curriculum vitae and three confidential references to: **W. G. Thrombley, Vice President for Academic Affairs, Stockton State College, Pomona, New Jersey 08240. Stockton State College is an equal opportunity employer.**

DEAN, SCHOOL OF SCIENCES, to direct existing science programs and lead development of new programs to fulfill urban and regionally oriented University missions. The School contains the Biology, Chemistry, Dental Hygiene, Mathematics, Nursing, Oceanography, Physics and Geophysical Sciences, and Psychology departments. B.S. degrees in 13 fields, M.S. degrees in Biology, Chemistry, Oceanography, Physics, and Psychology, and a recently approved Ph.D. in Oceanography are offered. Responsibilities of the new Dean would include promoting further curriculum development and innovation, promoting research, and providing leadership in working with the urban community. Salary competitive. *An equal opportunity/affirmative action employer.* Send résumés by 15 December 1973 to **Dr. Raymond H. Kirby, Chairman of Search Committee, Psychology Department, Old Dominion University, Norfolk, Va. 23508.**

DEVELOPMENTAL BIOLOGIST

The Georgetown University Department of Biology has an assistant professorship open for a scholarly scientist active in research. Applications are sought from specialists well trained in classical embryology and developmental biology who use molecular biology techniques in their research. Research should be in developmental biology at the cellular or supracellular level. (Own research funding necessary.) Faculty members teach a one-semester laboratory course each year for undergraduates and one for graduate students. Please send curriculum vitae, sampling of publications, and references to:

**Dr. Otto E. Landman
Georgetown University
37th and O Streets, NW
Washington, D.C. 20007**

An Equal Opportunity Employer

Department of Botany, University of North Carolina, Chapel Hill, invites application for a position at the Assistant or Associate Professor level for a **DEVELOPMENTAL PHYSIOLOGIST** (preferably with active research interests in higher plant systems). Graduate and undergraduate teaching. Rank and salary determined by qualifications. Send curriculum vitae, bibliography, and complete list of references to: **Tom K. Scott, Chairman, Department of Botany, University of North Carolina, Chapel Hill, North Carolina 27514. The University of North Carolina is an equal opportunity employer with an affirmative action program.**

FERMENTATION PRODUCTS RECOVERY CHEMIST

The Biochemicals Development Department at our Groton, Connecticut, Research Laboratories, has an immediate opening for a Natural Products Recovery Chemist. This position offers the opportunity to assume the recovery responsibility for a fermentation program, and would allow the candidate an interesting opportunity to develop new and novel recovery procedures, and to implement these ideas into production recovery schemes.

A Ph.D. in organic or physical chemistry is preferred with a strong background in the recovery of fermentation products.

This position offers ample opportunity for growth, an excellent salary and a comprehensive fringe benefit package. It is ideally suited to a professional with ability and desire to make his/her own decisions.

Please send résumé to: L. H. Bentley, Personnel Manager, Pfizer Central Research, Eastern Point Road, Groton, Connecticut 06340.



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THIS COMPETITION IS OPEN TO BOTH MEN AND WOMEN RESEARCH SCIENTIST COASTAL OCEANOGRAPHER

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Department of the Environment
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Duties: To undertake research on the coastal processes such as dynamics, exchange mechanisms, heat budget, estuarine flushing and residence times. Present activities of the Division involve research into physical processes in the coastal zone of the Eastern Atlantic Seaboard including marginal areas and Eastern Arctic.

Qualifications: Include a doctorate degree or equivalent in areas related to the research activities of the Division, and demonstrated related research experience. Knowledge of the language is essential for this position.

To ensure consideration, interested parties should forward application (PSC-367-401) or detailed resumes including a list of publications and references before November 16, 1973 to the:

**Sciences and Technology Program
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Please quote reference number 73-110-68 in all correspondence.

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RESEARCH SCIENTIST

(CHEMIST)

The Marshall Division of Miles Laboratories, Inc., with its expanding role as a major supplier of quality ingredients to food processors has recently diversified to meet today's food needs. As a result there exists now an excellent opportunity for a Research Scientist.

The candidate is required to have a Ph.D. in Chemistry or Biochemistry plus a strong interest to do basic research on separation and study of Physico-Chemical properties of proteins from cereals and oil seeds.

Located in Elkhart, Indiana, a community of 50,000 population, we offer excellent educational and recreational opportunities 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 expected salary in confidence to:

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Environmental Project Management

NUS, Los Angeles and Rockville, Maryland locations, is growing to meet the expanding needs of domestic and international industry in the fields of energy and the environment. Due to our expansion, we have openings for project personnel with a minimum of 5-10 years of relevant experience, to coordinate multi-disciplinary efforts in the preparation of site selection studies, environmental impact reports, safety analysis reports, state and federal permit applications, air and water pollution control, and thermal discharge programs. Pleasant suburban surroundings and liberal fringe benefits. Please send résumé to:

Vice President,
Corporate Development



SCIENTIST

The Ortho Research Foundation currently has an opening for a Ph.D. biochemist to work in our Molecular Biology Section. The position requires training and/or experience in the areas of Enzymology and Protein Chemistry. Exposure to Pharmacology and/or Organic Chemistry would be a plus.

Responsibilities will include working with a broad spectrum of drugs, primarily in therapeutics, developing in vitro models for disease states and identifying biochemical mechanisms of drug actions. The individual selected will join a rapidly expanding group and should possess the potential to assume increasingly greater responsibilities.

This is an excellent opportunity to join a leader in the ethical drug field. Ortho is located in central New Jersey and offers a solid salary & benefits program, complemented by an atmosphere geared to professional growth.

Interested parties should forward their curriculum vitae complete with present salary to Robert T. Moran, Manager, Employment.



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POSITIONS OPEN

POSITIONS OPEN

CARDIOVASCULAR PHARMACOLOGIST



We have an excellent opportunity in our Pharmacology Group at the Senior Investigator level for a Ph.D. graduate, preferably with 1-3 years of industrial experience and with a strong background in cardiovascular pharmacology. Experience and knowledge in the field of autonomic and renal pharmacology are highly desirable. The position will involve defining the cardiovascular activity of potential therapeutic agents.

Early availability is desirable. We offer liberal fringe benefits. Salary is commensurate with qualifications.

Send Curriculum Vitae in confidence to:
Dr. Wendell W. Meyer, R & D Personnel.

DOW CHEMICAL U.S.A.

2020 Dow Center

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DEVELOPMENTAL BIOLOGIST

Faculty position available at Bryn Mawr College in Fall 1974. Candidates with doctoral degrees should have an active interest in undergraduate teaching, in the direction of masters and doctoral research, and in the pursuit of a vigorous research program. Rank and salary open. Send résumé to

Box 531, SCIENCE

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FACULTY POSITION ENDOCRINE BIOCHEMIST

The Department of Biochemistry of the University of Miami is seeking an established investigator to join the Endocrine Laboratory, which is oriented to biochemical aspects of reproductive endocrinology. Please submit curriculum vitae and names of three references to Dr. J. Marsh, University of Miami School of Medicine, P.O. Box 875, Miami, Florida 33152.

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ENVIRONMENTAL BIOLOGIST. Biological Survey, New York State Museum and Science Service. Senior staff position. Conducts statewide studies and research projects, evaluates environmental impact statements, provides natural resource information to state agencies and local governments. Requires doctorate, 4 years of appropriate experience. Competitive salary and excellent fringe benefits. Résumés to George Delamar, Personnel, State Education Department, Albany, New York 12224.

UNIVERSITY OF CALIFORNIA, BERKELEY DEPARTMENT OF GEOLOGY AND GEOPHYSICS

A vacancy is anticipated for an Assistant Professor whose research interests lie in the genesis of metamorphic rocks. In addition to teaching graduate and undergraduate courses in metamorphic petrology, the successful candidate will be required to teach field mapping techniques, including from time to time, the summer field course. Candidates, who should have received their Ph.D. degrees within the last 4 years (or expect to do so in 1974), should send their applications, together with copies of their published research to: Professor I. S. E. Carmichael, Department of Geology and Geophysics, University of California, Berkeley, California 94720. Closing date for applications is 1 December 1973. The University of California is an equal opportunity employer with an affirmative action program.

DEPARTMENT OF PATHOLOGY of Medical School at major eastern university invites inquiries from suitably qualified M.D.'s and Ph.D.'s to fill current and projected vacancies at the rank of Assistant Professor or Associate Professor. Major areas of research interest and clinical laboratory experience should be in: (i) tissue typing and immunohematology, (ii) endocrinology and radioassay, and (iii) clinical microbiology. Applications including curriculum vitae and three references should be sent to Box 532, SCIENCE. The university is an equal opportunity employer.

PALEOMAGNETIST/GEOMAGNETIST

The University of Arizona has an opening for a faculty member in the Department of Geosciences. The successful candidate will be responsible for conducting investigations into the paleomagnetic history of rocks, developing the necessary facilities, teaching courses on these subjects, and assisting in developing the present programs in general geophysics. Rank and salary depend on background and experience. For new doctorates, an outstanding academic record is essential; for people with experience, a record of publications is desired. The position is for September 1974; all applications should be in before January 1974. Further information can be obtained from: Dr. Edgar J. McCullough, Jr., Head, Department of Geosciences, University of Arizona, Tucson, Arizona 85721.

DIRECTOR OF PSYCHOMETRIC LABORATORY. The Department of Psychology, L. L. Thurston Psychometric Laboratory of the University of North Carolina at Chapel Hill is searching for a director, with academic rank of full professor. The Laboratory offers a graduate program in quantitative psychology including univariate and multivariate statistics, scaling, decision-making, and cognition. Director is expected to be involved in administrative activities and teaching, and to maintain active research in one or more of these areas. Commence September 1974. Salary negotiable. Send complete résumé and relevant information to Prof. John Thibaut, Chairman of Search Committee, Department of Psychology, University of North Carolina, Chapel Hill, North Carolina 27514.

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DEPARTMENT OF PEDIATRICS

Applications are sought for the joint position as Chairman of the Department of Pediatrics, Wayne State University School of Medicine and Pediatrician-in-Chief, Children's Hospital of Michigan. Send curriculum vitae and references to

Dr. L. M. Weiner, Deputy Dean
Wayne State University School of Medicine
540 East Canfield Avenue
Detroit, Michigan 48201

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PHYSICAL OCEANOGRAPHER

The Department of Oceanography, Dalhousie University, Halifax, Nova Scotia, Canada, has an opening at the assistant professor level for a Physical Oceanographer. Applicants are requested to submit a curriculum vitae by 30 November and to solicit two letters of recommendation, to be addressed to P. J. Wangersky, Acting Chairman.

RESEARCH ASSOCIATE

To help conduct physiological/pharmacological research of the cardiovascular system. Ph.D. degree and laboratory experience required. Annual salary approximately \$15,000. Applications with curriculum vitae and two letters of recommendation should be sent to: Dr. B. K. Yeh, Associate Director, Division of Clinical Investigation, Miami Heart Institute, 4701 North Meridian Avenue, Miami Beach, Florida 33140.

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POSITIONS OPEN

LABORATORY SUPERVISOR

A position is available for Night Shift Supervisor in chemistry laboratory. Extensive experience in general chemistry, enzymes, electrophoresis and radioisotopes helpful. California license required. Reply in confidence with starting salary, history, and requirements to:

BIO-SCIENCE LABORATORIES

7600 Tyrone Avenue
Van Nuys, California 91405

POSITIONS OPEN

The New York State Research Institute on Alcoholism seeks senior **Research Scientists** for a multi-disciplinary research program in alcoholism, alcohol abuse and nonmedical drug use. Senior positions are available in the areas of medical/clinical research on the prevention of the chronic toxicities of ethanol and in the development of valid instruments for the evaluation of treatment efficacy. The Research Institute is affiliated with the State University of New York at Buffalo; a joint appointment with an academic department is encouraged for qualified candidates. Send curriculum vitae and bibliography to **Cedric M. Smith, M.D., Director, Research Institute on Alcoholism, 1021 Main Street, Buffalo, New York 14203.**

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FERMENTATION PROJECT MANAGER

Senior Microbiologist wanted with fermentation research and pilot plant bioengineering experience will organize and manage a comprehensive program to discover novel products of natural origin that have anti-neoplastic properties. Will supervise a staff of approximately 18 scientists and technicians, and have available well-equipped laboratory and pilot plant facilities. Opportunity for a creative individual to develop an important facet of cancer research.

Candidates should have 5 or more years of responsible experience beyond the Ph.D. Competitive salary, excellent fringe benefits, attractive location.

Please send résumé, including salary requirements, to:

**Mr. Don Loker, Personnel Manager
LITTON BIONETICS, INC.
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P.O. BOX B
Frederick, Maryland 21701**

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Available December 1973:

THE PHYSICIST'S CONCEPTION OF NATURE Edited by JAGDISH MEHRA

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