

1971 (U.S. distributor, Aldine-Atherton, Chicago). x, 566 pp. + fold-out chart. \$36.

Memory Consolidation. James L. McGaugh and Michael J. Herz. Albion, San Francisco, 1972. viii, 204 pp., illus. \$10.

Metabolism of the Nerve Tissue in Relation to Ion Movements in Vitro and in Situ. Michal Ruščák and Dagmar Ruščáková. University Park Press, Baltimore, 1972. 172 pp. + plates. \$11.50.

Microbiology. Philip L. Carpenter. Saunders, Philadelphia, ed. 3, 1972. xii, 494 pp., illus. \$9.50.

Neuropsychologie de la Perception Visuelle. Henry Hecaen, Ed. Masson, Paris, 1972. 320 pp., illus. Paper, 110 F.

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Our Blue Planet. The Story of the Earth's Evolution. Heinz Haber. Translated from the German edition (Stuttgart, 1965) by Ernst Stuhlinger. Scribner, New York, 1972. viii, 88 pp. Paper, \$1.95.

Patterns of Change in Tropical Plants. G. P. Chapman. University of London Press, London, 1970 (U.S. distributor, Thomas, Springfield, Ill.). 112 pp. + plates. Paper, \$4.50.

The Physics of Pulsars. Allen M. Lenchek. Ed. Gordon and Breach, New York, 1972. x, 174 pp., illus. \$14.50. Topics in Astrophysics and Space Physics.

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The Physiology of Insect Senses. V. G. Dethier. Methuen, London, 1972 (U.S. distributor, Harper and Row, New York). x, 266 pp., illus. Cloth, \$7.50; paper, \$5. Methuen's Monographs on Biological Subjects. Reprint of the 1963 edition.

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Profinite Groups, Arithmetic, and Geometry. Stephen S. Shatz. Princeton University Press, Princeton, N.J.; University of Tokyo Press, Tokyo, 1972. x, 252 pp., illus. Paper, \$8.50. Annals of Mathematics Studies, No. 67.

Progress in Molecular and Subcellular Biology. Vol. 2, Proceedings of the Re-

search Symposium on Complexes of Biologically Active Substances with Nucleic Acids and Their Modes of Action. Washington, D.C., Mar. 1970. F. E. Hahn, T. T. Puck, G. F. Springer, W. Szybalski, and K. Wallenfels. Springer-Verlag, New York, 1971. x, 400 pp., illus. \$21.40.

Progress in Quantum Electronics. Vol. 1. J. H. Sanders and K. W. H. Stevens, Eds. Pergamon, New York, 1971. viii, 374 pp. + plates. \$19.50.

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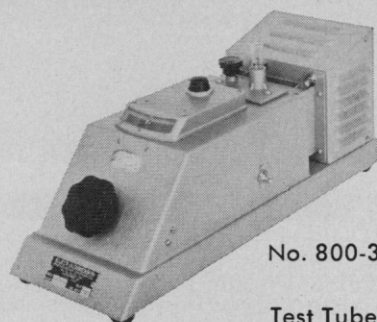
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Theory of Incomplete Cylindrical Functions and Their Applications. M. M. Agrest and M. S. Maksimov. Translated from the Russian edition (Moscow, 1965) by H. E. Fettis, J. W. Goresch, and D. A. Lee. Springer-Verlag, New York, 1971. x, 330 pp., illus. \$25.20. Grundlehren der mathematischen Wissenschaften, vol. 160.

Theory of the Unmagnetized Plasma. David C. Montgomery. Gordon and Breach, New York, 1971. xii, 400 pp., illus. \$17.50.

Thermodynamique Chimique. René Buvet. Presses Universitaires de France, Paris, 1971. 216 pp., illus. Paper, 18 F. Collection SUP, section Le Chimiste, 5.

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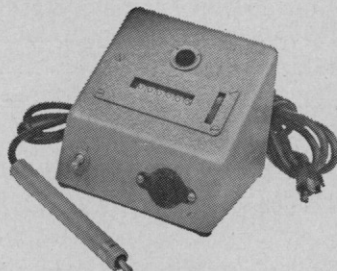


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Pollution Biologist. Ph.D. Harvard; 18 years of mollusk research, 70 publications, adjunct professor, journal editor, international scientific society president. Box 218, SCIENCE. X

Social Psychologist, Ph.D., woman, APA fellow, much teaching/research experience, quality publications, major interests in interpersonal attitudes, socializations, and American subcultures, seeks university or service position in Providence-Boston-eastern Connecticut area. Box 219, SCIENCE. X

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Deadline for submission is 4 weeks from date of publication. Applicants should send curriculum vitae, names of three references, and a short expression of their current interests in teaching and research to: **Dr. R. T. Hartman, Chairman, Department of Biology, University of Pittsburgh, Pittsburgh, Pa. 15213.**

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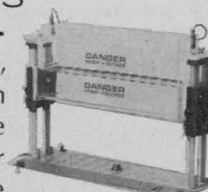


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Pathologisches Institut
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DEAN

Applications are invited for the position of **Dean of the School of Biology, Chemistry and Ecology**, which includes the departments of Botany, Entomology, Chemistry, and Zoology, with 45 faculty, 400 undergraduate majors and 100 M.S. and Ph.D. students. Applicants should have expertise in a science area, comprehension of the multidisciplinary approach to environmental subjects, and experience in various aspects of academic service. Excellent fringe benefits. Send inquiries and credentials to **Dr. W. E. Graves, Department of Zoology, Chairman Dean Search Committee, State University of New York College of Forestry, Syracuse, N.Y. 13210.**

The University of Minnesota (a multi-campus institution) maintains a central file on all available faculty and administrative academic positions. Names of individuals to contact about positions in a given field may be obtained by persons who indicate their field of interest in writing or calling the **Office of the Vice President for Academic Administration, 213 Morrill Hall, University of Minnesota, Minneapolis, Minnesota 55455 (612-373-2101)** as soon as possible. We are an Equal Opportunity Employer and welcome inquiries and applications from minority individuals and women.

UNIVERSITY OF CAPE TOWN SENIOR LECTURER IN HISTOLOGY

Applications are invited for a new post of Senior Lecturer in Histology in the Department of Physiology and Medical Biochemistry. The principal duties of the Senior Lecturer will be organization of and participation in the teaching of histology to medical and science students and to medical auxiliaries and supervision of electron microscopy. Previous experience of electron microscopy is essential.

The salary scale is R8400 × 300 to R9300 per annum.

Applicants should state age, qualifications, teaching experience, publications, and research interests, and should indicate the date when they could assume duty. Applications, accompanied by a medical certificate and the names and addresses of two referees (preferably persons with recent knowledge of the applicant's academic qualifications and experience) whom the University may consult, should reach the **Registrar, University of Cape Town, Private Bag, Rondebosch, Cape Town, South Africa**, by 31 May 1972.

Further information about the Department and the conditions of service may be obtained from the Registrar. The University reserves the right to appoint a person other than one of the applicants or to make no appointment.

SOCIAL SCIENTIST

Ph.D., or person with equivalent experience, to serve as a member of an interdisciplinary faculty team with primary responsibility to a graduate program which emphasizes the use of decision-making models in evaluating water resource management alternatives. Qualifications should include interest and abilities in quantitative methods in the social sciences. Appointment will be on a 12-month basis with rank and salary open. Curriculum vitae and letters should be sent to **Dr. Daniel D. Evans, Head, Department of Hydrology and Water Resources, University of Arizona, Tucson, Arizona 85721.**

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EXPERIMENTAL PLANT MORPHOLOGIST: Ph.D., assistant professor, Department of Botany, University of California, Davis, September 1972. The major teaching responsibilities include a modern plant anatomy course (emphasis on development), a graduate course in experimental morphology, graduate seminars, and supervision of graduate students. A research program in experimental plant morphology is expected. Send curriculum vitae to **H. B. Currier, Department of Botany, University of California, Davis, Calif. 95616.** The University is an equal opportunity/affirmative action employer.

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Department of Medicine and
Obstetrics and Gynecology
Howard University College of Medicine
Washington, D.C. 20001

UNIVERSITY OF CAPE TOWN CHAIR OF PHYSICAL OCEANOGRAPHY

Applications are invited for the Chair of Physical Oceanography, which will be the Second Chair in the Department of Oceanography. The salary scale is R8100 × 300 to R9900 per annum, within which the commencing salary will be determined according to the qualifications and experience of the successful candidate.

Applicants should submit a full curriculum vitae and academic record, indicating their teaching and research experience and interests, a complete list of their publications, and the earliest date on which they could assume duty. Applications (accompanied by a medical certificate, recent photograph and the names and addresses of two referees—preferably persons with recent knowledge of the applicant's work and experience whom the University may consult) should reach the **Registrar, University of Cape Town, Private Bag, Rondebosch, Cape Town, South Africa**, not later than 31 May 1972.

Information concerning the Department of Oceanography and the general conditions of service (including transport expenses on appointment) may be obtained from the Registrar.

The University reserves the right to appoint a person other than one of the applicants or to make no appointment.

VETERINARY PATHOLOGIST

The Food and Drug Administration's new National Center for Toxicological Research, Pine Bluff, Arkansas, has immediate openings for the following positions:

Associate Director for Pathology. Directs all histopathology, clinical pathology, and related support service operations and pathological research endeavors of the Center. One primary responsibility will be to conduct applied research, either in-house or through contract, to develop techniques to allow as much automation in the pathology operation as possible. D.V.M. and Ph.D. in Pathology are required, plus a strong history in animal histopathology including experience in managing a pathology research operation. Salary is \$29,673 to \$36,000.

Senior Veterinary Pathologist. Supervises a group of parapatologists in preparation and staining of tissues and in examining tissues for abnormal changes. Conducts research in histochemistry. D.V.M. and M.S. or Ph.D. in Pathology. Strong background in animal histopathology necessary. Salary is \$25,583 to \$33,260.

Veterinary Pathologists (three positions). Assist senior pathologist in microscopic examination of tissues and in the conduct of histochemistry research. D.V.M. and M.S. Salary is \$15,866 to \$28,548.

Major relocation expenses to Pine Bluff, Arkansas, will be reimbursed. U.S. citizenship is required. Send résumé (transcripts and list of publications desirable) or Federal Application Form SF-171, to:

Mr. Stephen Douglas
U.S. Food and Drug Administration
NCTR, CS-060
The Parklawn Building
5600 Fishers Lane
Rockville, Maryland 20852

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POSITIONS OPEN

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH Physics and Engineering Laboratory Lower Hutt, New Zealand

Materials Scientist, Metallurgist, or Solid State Physicist with Ph.D. or equivalent research experience is required to study the mechanical properties of materials. The experiments undertaken would depend on the interests of the appointee though the Laboratory would favour research in the field of dislocation dynamics, or deformation with the aim of understanding the processes involved.

Facilities available at the Laboratory include devices for measuring complex dielectric constants, piezoelectric constants and mechanical damping at temperatures up to 1000°C, 20-kg Instron; electric spin resonance apparatus; electron microscope and scanning electron microscope; machine and instrument workshops; electron design group.

Commencing salary up to \$NZ8343 depending upon qualifications and experience. For further information please write to the **Director, Physics and Engineering Laboratory, Private Bag, Lower Hutt, New Zealand.**

The closing date for applications is 9 June 1972. Application forms may be obtained from the **New Zealand Embassy, 19 Observatory Circle, NW, Washington, D.C. 20008.**

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MEDICAL UNIVERSITY OF SOUTH CAROLINA

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Detection, diagnosis, and study of inborn errors of metabolism, including hemoglobinopathies and hemoglobin variants and enzyme defects related to mental retardation. U.S. citizenship or letter of intent required. \$6000 to \$8000 annual stipend. Apply to **Robert Guthrie, Ph.D., M.D., Department of Pediatrics, State University of New York at Buffalo, and Children's Hospital, P.O. Box U, Station B, Buffalo, New York 14207.**

UNIVERSITY OF MELBOURNE

RESEARCH FELLOWSHIP

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Conditions for the Fellowship may be obtained from the **Australian Consulate-General, 636 Fifth Avenue, New York, N.Y. 10020, U.S.A.**, or from **L. R. D. Pyke, Secretary for Graduate Studies.**

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POSITIONS

Director, Ocean Science and Technology Division **\$34,335 to \$36,000 a year**

Incumbent is responsible for the above mentioned program.

Applicant should have held for several years a position of responsibility for supervision of technical and research matters and should be a recognized scientist in the Ocean Sciences area. The position requires tact

and diplomacy plus graduate academic training at the Ph. D. level or its equivalent in relevant research experience to provide a broad knowledge of oceanography, meteorology, and earth physics and a thorough knowledge of the principles and theories of the Ocean Sciences.

Oceanographer **\$21,960 to \$28,548 a year**

To be Program Director, Oceanic Biology Program, Ocean Sciences and Technology Division. The Ocean Biology Program is one of 5 major programs of the Division. The Program Director initiates, organizes, coordinates, directs and carries through to completion research and development projects of importance to the Navy in Oceanic Biology. He may spend up to one-quarter of his time performing original fundamental research in biology, which entails participation in oceanographic expeditions aboard Navy or private oceanographic vessels.

Requires graduate training plus wide field experience in Oceanic Biology.

Geophysicist **\$18,737 to \$24,362 a year**

To serve as Scientific Officer in the Marine Geology and Geophysics Program of the Ocean Science and Technology Division. Primary responsibility of the Scientific Officer is to assist the Program Director to insure that the national research effort in marine geology and geophysics is sufficient to meet the present and future needs of the Navy. Duties involve reviewing and evaluating research proposals relating to existing and potential Naval problems and taking the necessary action to implement support for appropriate proposals.

Requires a Ph.D. or equivalent in geology, geophysics, or related fields with a broad background in Marine Geology and Geophysics and an understanding of their relationships with other physical sciences. Must have the necessary professional status, scientific integrity, and reputation to have ready entree and acceptance in the scientific community and to maintain the respect of both civilian and military leaders in research and administration.

Long Range Acoustic Propagation Project

This is a multi-participant advanced development effort that provides environmental acoustic support to the development, deployment, and optimization of ASW submarine detection systems.

POSITIONS

Manager, Acoustic Transmission **\$25,583 to \$33,260 a year**

To be responsible for one of the three major program areas within the Long Range Acoustic Propagation Project. Will formulate and guide the overall execution of a wide range of acoustic measurement programs including development of measurement systems, analysis of data, and interpretation of results with respect to

ASW requirements.

Requires graduate academic training at the Ph.D. level, or its equivalent in relevant research experience, to provide the necessary background in earth sciences and ocean engineering with primary emphasis on acoustics. Must have experience and/or training in some relevant aspect of Naval applications, significant experience in technical management, and familiarity with Navy management procedures.

Manager, Acoustic Applications **\$21,960 to \$28,548 a year**

To be responsible for one of the three major program areas within the Long Range Acoustic Propagation

Project. Responsible for defining ASW needs for environmental acoustics support and recommending programming within the Project to meet these needs. Establishes priorities, schedules, milestones, integration, and general management for approved acoustic applications programs. This involves providing continual orientation and technical guidance to contractors and Naval laboratories.

Requires graduate academic training at the MS level, or its equivalent in relevant research experience, to provide the necessary background in acoustics, systems design or development, and operations analysis. Must have significant experience and demonstrated competence in areas of ASW operations, planning, or systems development and familiarity with Navy management procedures.

All of the above career Civil Service positions are in Arlington, Virginia.

Send resume or Federal Standard Form 171 (Personal Qualifications Statement) to: **Director of Civilian Personnel,**

Attn: Mr. McKenzie Whitaker,

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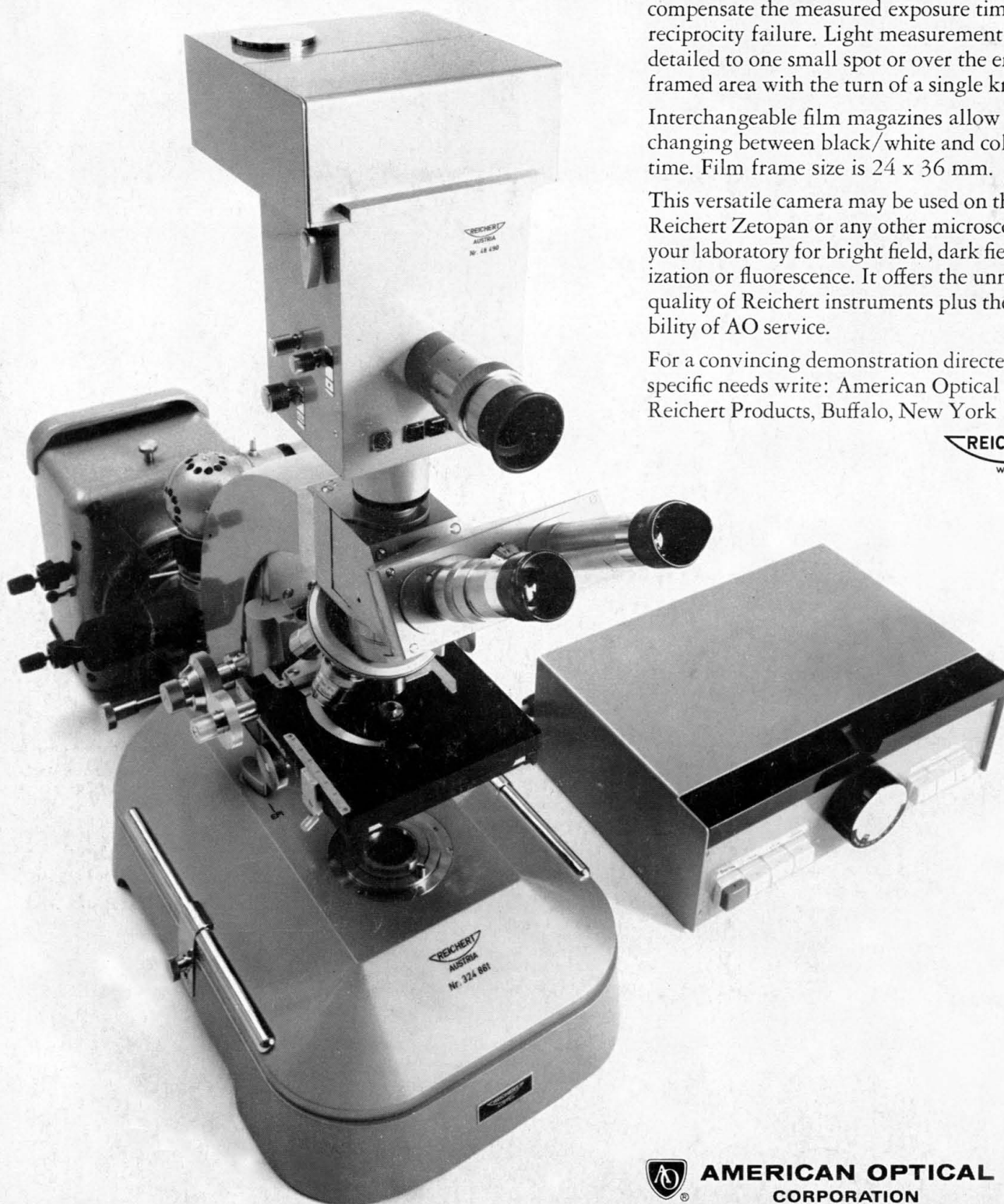
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