

BOOKS RECEIVED

(Continued from page 580)

ratory and Demonstration Manual. A. B. Taylor, John S. Willis, and Mary F. Ruth, Eds. Burgess, Minneapolis, ed. 4, 1971. vi, 120 pp. + chart. Spiral bound, \$4.25.

Famine. A symposium, Saltjöbaden, Sweden, August 1970. Gunnar Blix, Yngve Hofvander, and Bo Vahlquist, Eds. Published for the Swedish Nutrition Foundation by Almqvist and Wiksells, Uppsala, 1971. 200 pp., illus. Kr. 50. Symposia of the Swedish Nutrition Foundation, 9.

Force in Newton's Physics. The Science of Dynamics in the Seventeenth Century. Richard S. Westfall. Macdonald, London; American Elsevier, New York, 1971. xii, 580 pp., illus. \$23.95. History of Science Library.

Foreign Compound Metabolism in Mammals. Vol. 1. A Review of Literature Published between 1960 and 1969. D. E. Hathaway, S. S. Brown, L. F. Chasseaud, and D. H. Hutson. Chemical Society, London, 1970. ix, 456 pp., illus. £11. A Specialist Report.

Income Distribution Theory. Martin Bronfenbrenner. Aldine-Atherton, Chicago, 1971. xvi, 488 pp., illus. \$14.75. Aldine Treatises in Modern Economics.

Industrial Reciprocating and Rotary Compressors: Design and Operational Problems. A conference, London, October 1970. Institution of Mechanical Engineers, London, 1971. viii, 276 pp., illus. £15. Proceedings 1969-70, vol. 184, part 3R.

Infrared Spectra of Labelled Compounds. S. Pinchas with I. Lailicht. Academic Press, New York, 1971. xiv, 372 pp., illus. \$19.

Initial Reports of the Deep Sea Drilling Project. A project planned by and carried out with the advice of the Joint Oceanographic Institutions for Deep Earth Sampling (JOIDES). Vol. 7, covering Leg 7 of the Cruises of *Glomar Challenger*, August-September 1969. Edward L. Winterer and nine others, participating scientists. Prepared for the National Science Foundation by the Scripps Institution of Oceanography, La Jolla, Calif., 1971. (available from Superintendent of Documents, Washington, D.C.). Two parts, xxvi, 1758 pp., illus., + chart. \$22.

Inorganic Reaction Mechanisms. Vol. 1. A Review of the Literature Published between January 1969 and August 1970. J. Burgess, D. N. Hague, R. D. W. Kemmitt, and A. McAuley. Chemical Society, London, 1971. xvi, 338 pp., illus. £7. A Specialist Periodical Report.

International Agency for Research on Cancer. Annual Report, 1970. International Agency for Research on Cancer, Lyon, 1971 (U.S. distributor, American Public Health Association, Washington, D.C.). 120 pp., illus. Paper, \$1.

Linguistics at Large. Fourteen lectures presented by the Institute of Contemporary Arts, London, 1969-70. Noel Minnis, Ed. Viking, New York, 1971. 328 pp., illus. \$8.50.

Liquid Scintillation Counting. Vol. 1. A symposium, Salford, England. September

1970. A Dyer, Ed. Heyden, New York, 1971. viii, 134 pp., illus. \$12.

Martianus Capella and the Seven Liberal Arts. Vol. 1, The Quadrivium of Martiana Capella. Latin Traditions in the Mathematical Sciences, 50 B.C.-A.D. 1250. William Harris Stahl. With a study of the allegory and the verbal disciplines by Richard Johnson with E. L. Burge. Columbia University Press, New York, 1971. xiv, 274 pp. \$9. Records of Civilization: Sources and Studies, No. 84.

New Horizon for Psychotherapy. Autonomy as a Profession. Robert R. Holt, Ed. International Universities Press, New York, 1971. vi, 420 pp. \$15.

New Trends in Integrated Science Teaching. Tendances Nouvelles de l'integration des Enseignements Scientifiques. Vol. 1, 1969-70. Prepared by P. E. Richmond. Unesco, Paris, 1971. 382 pp., illus. Paper, \$7. The Teaching of Basic Sciences.

Organophosphorus Chemistry. Vol. 2. A Review of the Literature Published between July 1969 and June 1970. S. Trippett and eight others. Chemical Society, London, 1971. xii, 292 pp., illus. £7. A Specialist Periodical Report.

The Plasma State. Juda Leon Shohet. Academic Press, New York, 1971. x, 334 pp., illus. \$13.50.

Science Travel Guide. Fred W. Decker. O.S.U. Book Stores, Corvallis, Ore., 1971. iv, 110 pp., illus. Spiral bound, \$2.20.

The Sentence in Written English. A Syntactic Study Based on an Analysis of Scientific Texts. Rodney D. Huddleston. Cambridge University Press, New York, 1971. viii, 344 pp., illus. \$16.50. Cambridge Studies in Linguistics, vol. 3.

The Sick Society. An Economic Examination. Michael Tanzer. Holt, Rinehart and Winston, New York, 1971. xii, 260 pp. \$5.95.

Strain Facies. Edward Hansen. Springer-Verlag, New York, 1971. x, 232 pp., illus. \$16. Minerals, Rocks and Inorganic Materials, vol. 2.

Structure and Evolution of the Galaxy. Proceedings of a NATO Advanced Study Institute, Athens, September 1969. L. N. Mavridis, Ed. Reidel, Dordrecht, Netherlands, and Springer-Verlag, New York, 1971. viii, 314 pp., illus. \$21.20. Astrophysics and Space Science Library, vol. 22.

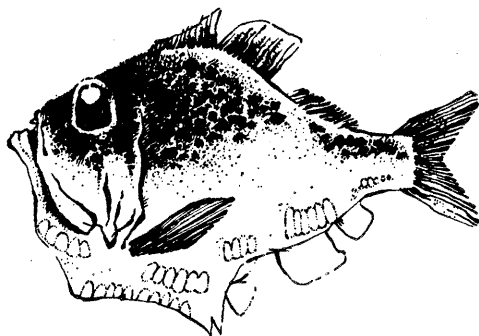
The Team Plan. A Manual for Nursing Service Administrators. Dorothy P. Newcomb and Russell C. Swansburg. Putnam, New York, ed. 2, 1971. x, 182 pp. Paper, \$4.95.

Therapeutic Communication with Children. The Mutual Storytelling Technique. Richard A. Gardner. Science House, New York, 1971. 970 pp. \$25.

Topics in Chemical Instrumentation. A Volume of Reprints from the *Journal of Chemical Education*. Galen W. Ewing, Ed. Chemical Education, Easton, Pa., 1971. vi, 330 pp., illus. \$7.50.

Toward Social Change. A Handbook for Those Who Will. Edited by Robert Buckhout and 81 concerned Berkeley students. Harper and Row, New York, 1971. xiv, 480 pp., illus. Paper, \$6.95.

Units and Standards for Electromagnetism. P. Vigoureux. Wykeham, London, and Springer-Verlag, New York, 1971. xii, 82 pp., illus. Paper, \$4. Wykeham Science Series, vol. 15.



Explorations in the Life of Fishes N.B. Marshall

Deep-sea fishes do not live in vacuum. Moreover, one cannot discuss convergent evolution in fishes without at least considering the fish-like features of other aquatic organisms. The author considers the causes of the overwhelming predominance of the teleost fishes, discusses the biology of deep-sea fishes, and studies such aspects of dynamic design as body form, fin pattern, muscular organization, and certain neutral features in relation to movement and water. Over fifty line drawings.

Harvard Books in Biology, 7

\$6.50

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Cambridge, Massachusetts 02138

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POSITIONS WANTED

Biochemist, Ph.D. 1971, five papers, three abstracts. Experience in enzymology, drug actions, nutrition, endocrinology, biochemistry of development. Seeks research position or postdoctoral. Available December. Box 384, SCIENCE. X

Electron Microscope Technician, B.A. chemistry, 1971, desires responsible position with future. Experience includes tissue preparation, electron microscope operation and maintenance. Box 385, SCIENCE. X

Experienced All Rounder, Ph.D. Botany Genetics, available next year. Doesn't mind teaching in small college. Box 386, SCIENCE. X

Industrial Microbiologist, Ph.D. 15 years' experience in research, administration, teaching. Broad background in environmental sciences, solid waste, water quality, public health, forest products and materials degradation. Seeks position requiring creativity. Box 387, SCIENCE. X

Lipid Biochemist, Ph.D., 32, specialization brain biochemistry. Several years of postdoctoral experience. Seeks research/academic appointment. Box 388, SCIENCE. X

Microbiologist, Ph.D. Ten years' experience in teaching and research program in environmental microbiology; namely aerobiology as related to pulmonary defense against airborne infectious and toxic agents. Research interest: evaluation of the antibacterial, immunological, and metabolic activity of lung phagocytes. Also teaching and laboratory experience in general and medical microbiology and culture identification of bacteria. Publications and grant support of research program. Desires a teaching-research-clinical position at college, university, medical school, or hospital. Box 389, SCIENCE. X

Pharmacologist, Ph.D., 37, 11 years of diverse experience, seeks an administrative position. Salary requirement, middle \$20's. Box 390, SCIENCE. 11/12

Recent Ph.D. Immunology, M.Sc. Biochemistry, B.Sc. Chemistry-Biology, Diploma—Tissue Culture. U.S. permanent resident desires position academic research, teaching, industry or hospital, biomedical area, available immediately. Box 392, SCIENCE. X

Soil Scientist, Ph.D., experienced in soil and plant research, enzymology, fertilizer technology desires position in soil or water pollution control. Box 393, SCIENCE. X

Systems and Quantitative Ecologist, Ph.D. postdoctorate research, teaching experience. Publications in plant ecology. Age 27. Extensive computer experience. Training and experience in systems analysis. Prefers research and teaching in university. Box 361, SCIENCE. 11/19

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THE DEAN OF COLLEGE OF ARTS AND SCIENCES, INDIANA STATE UNIVERSITY

Indiana State University (enrollment 13,500) invites applications for the position of Dean of the College of Arts and Sciences. Applicants should qualify for full professorial status and be prepared to assume responsibilities by 1 July 1972.

Correspondence concerning the position and vitae should be directed to **William Ashbrook, Room 139 Parsons Hall, Indiana State University, Terre Haute, Indiana 47809**. If possible such letters should reach him by 30 November 1971.

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INSECT-PLANT INTERACTIONS

Assistant professor for creative research position to initiate agriculture oriented programs on plant constituents that affect behavior and development of insects and other pests. Applicants should briefly outline research ideas they might pursue. Must be capable of carrying out the chemical aspects involved. **Dr. E. H. Glass, Department of Entomology, New York State Agricultural Experiment Station, Cornell University, Geneva, New York 14456**.

AYERST RESEARCH LABORATORIES

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- Pathologist, D.V.M. or Ph.D. with experience in laboratory animal pathology, to direct histology laboratory and perform histopathology evaluation of drug safety tests (Chazy).

Please submit curriculum in confidence to:

**Personnel, Ayerst Laboratories
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The Ames Company Division of Miles Laboratories, Inc., a major producer of clinical laboratory reagents and professional medical electronic instruments, has an excellent opportunity for an Enzymology Section Head resulting from a recent promotion.

Ph.D. in biochemistry with extensive research and managerial experience is required. The candidate is expected to supervise and coordinate the activities of a group of research scientists conducting novel research projects in the areas of Enzymes and Immobilization of Biopolymers. The research program is directed toward applications in clinical chemistry.

Located in Northern Indiana, Miles Laboratories offers an excellent starting salary commensurate with experience as well as a comprehensive benefit program including profit sharing. Relocation expenses paid by the company.

Inquiries including positions held, salaries received, expected salary, education and personal data may be directed in confidence to:

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Write (enclose recent photo) to Peter Crowcroft, Chicago Zoological Park, Brookfield, Illinois 60513.

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We require at least 5 years experience in dealing with all aspects of safety testing, experimental design, and relevant FDA regulations. Familiarity in preparing IND's and DNA's is desirable.

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DIRECTOR OF COMPUTER SERVICES to manage daily operations of the Computer Center and be responsible for operation of all computer and data processing equipment attached to the Center. Candidates should have experience in total systems approach to the utilization of computers, preferably in both administrative and technological capacities. Inquiries should be sent to **Richard C. Bowers, Vice President and Provost, Northern Illinois University, Lowden Hall 307, DeKalb, Illinois 60115.**

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The Redpath Museum is currently expanding its facilities for teaching and research in the biological sciences. To implement this policy, applications for the post of Invertebrate Zoologist (excluding insects) are invited. The appointment will be made at the level of Assistant or Associate Professor and duties will include teaching and research. Research facilities include large collections of recent and fossil invertebrates and the University's tropical marine biological station at Barbados, West Indies. A letter of application together with curriculum vitae and names of three references should be sent to the **Director, Redpath Museum, McGill University, P.O. Box 6070, Montreal 101, P.Q., Canada.**

POSTDOCTORAL RESEARCH ASSOCIATE
for position available 1 February 1972. Candidate will participate in structural analysis of myelin proteins and should have background in protein chemistry. Send résumé to **Dr. Seymour Joffe, University of Miami School of Medicine, P.O. Box 875, Biscayne Annex, Miami, Florida 33152.**

RESEARCH ASSOCIATE in the Department of Biological Sciences, Oakland University, Rochester, Michigan. Research involves hormonal control of protein synthesis in rat. Interest and experience in Biochemical endocrinology and animal experimentation required. Knowledge of tissue culture could be of added advantage. Salary \$7500. Send résumé to
Box 395, SCIENCE

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Applications are invited for a Senior Professorial Position in the field of experimental Solid-State Surface Phenomena. Applicants should be recognized authorities in the field and are expected to develop graduate research programs. Some undergraduate teaching desired. Maximum effort to be devoted to research. Salary negotiable. Write **Chairman, Physics Department, St. Francis Xavier University, Antigonish, Nova Scotia, Canada.**

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The Department of Chemistry in the Faculty of Arts and Science will be opening new biochemical laboratories in September 1972 and invites applications for the position of Full Professor of Biochemistry. Applicants at the Associate and Assistant Professor levels will also be considered and joint appointments with the Division of Medical Biochemistry in the Faculty of Medicine are possible. Applications should be submitted prior to 31 December 1971 and accompanied by a complete curriculum vitae and the names of three referees. They should be directed to:

Dr. D. A. Armstrong
Head, Department of Chemistry
University of Calgary
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For research training in the mechanism of protein hormone action. Should have background in cell physiology or biochemistry. Send résumé and names of three persons who can provide letters of reference to

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PREDOCTORAL FELLOWSHIPS IN MICROBIOLOGY for work leading to M.S. and Ph.D. degree. Stipend \$3200 to \$3600. Opportunity for research in microbial physiology, mycology, bacteriology, and mechanisms of oxygen toxicity. Interdisciplinary affiliation with Space Sciences Research Center. Send transcripts, GRE scores, and two references to **Dr. Raymond Loan, Department of Veterinary Microbiology, University of Missouri, Columbia, Missouri 65201.**

POSTDOCTORAL FELLOWSHIPS IN NEUROPHARMACOLOGY OR NEUROPHYSIOLOGY. Candidates holding the Ph.D. or M.D. degree will be considered for fellowships in neuropharmacology or neurophysiology beginning around 1 January 1972. This program provides research training under experienced sponsorship appropriate for an investigative or academic career. For information write **S. C. Wang, M.D., Ph.D., College of Physicians and Surgeons, Columbia University, 630 West 168 Street, New York, N.Y. 10032.**

GRADUATE STUDY

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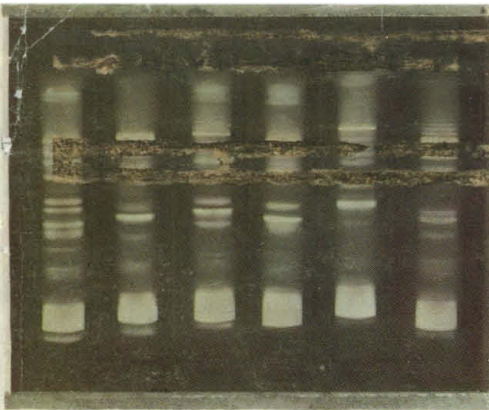
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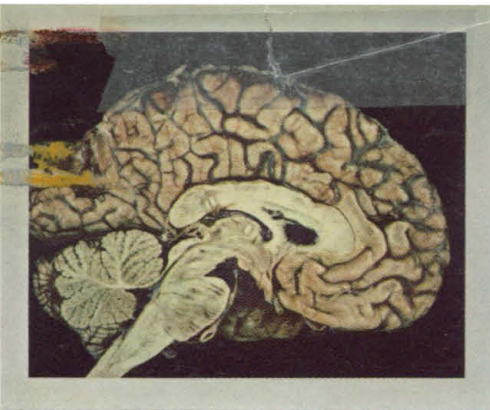
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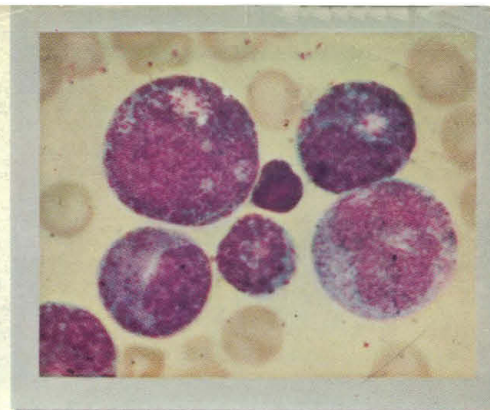
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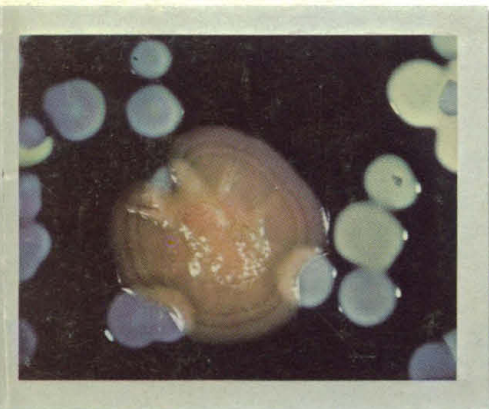
Starch gel electrophoresis (negative).



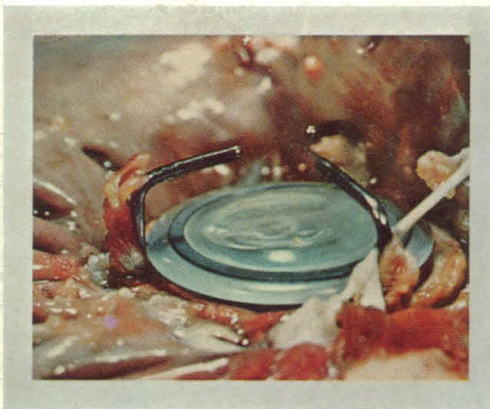
Visual cortex showing encephalomalacia.



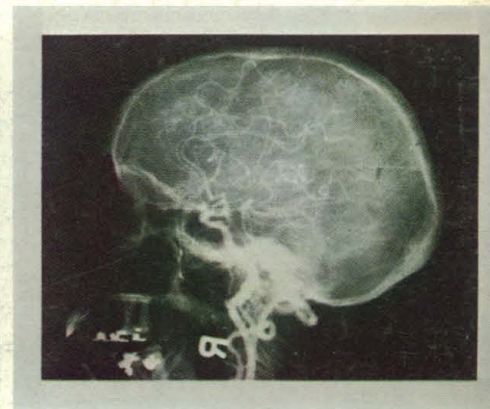
Photomicrograph, human leukemia (1600 X).



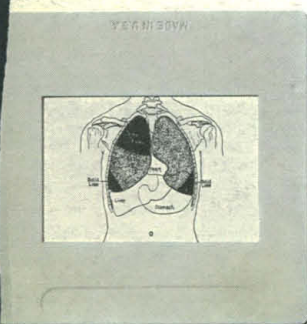
Macrophotograph, blood culture.



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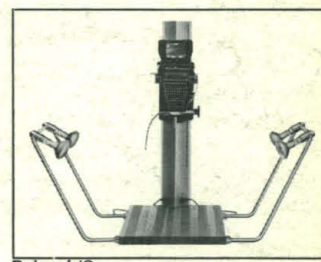
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