**Methods**. vol. 2, pt. B, *Properties of Polymers and Nonlinear Acoustics*. Warren P. Mason, Ed. Academic Press, New York, 1965. 403 pp. Illus. $14. Six papers: "Relaxations in polymer solutions, liquids, and gels" by W. Philippoff; "Relaxation spectra and relaxation processes in solid polymers and glasses" by I. L. Hopkins and C. R. Kurkjian; "Volume relaxations in amorphous polymers" by Robert S. Marvin and John E. McKinney; "Nonlinear acoustics" by Robert T. Beyer; "Acoustic streaming" by Wesley Le Mars Nyborg; and "Use of light diffraction in measuring the parameter of nonlinearity of liquids and the photoelastic constants of solids" by L. E. Hargrove and K. Achyuthan.

**Polyesters**. V. V. Korshak and S. V. Vinogradova. Translated from the Russian edition (Moscow) by B. J. Hazzard. J. Burdon, Translation Ed. Pergamon, New York, 1965. 564 pp. Illus. $30.

**Principles of Structural Glaciology**. The petrography of fresh-water ice as a method of glaciological investigation. P. A. Shumskii. Translated from the Russian by David Kraus. Dover, New York, 1965. 511 pp. Illus. Paper, $3. A revised version based on translations made in 1957–1958 and 1960–1961.

**Probability, Random Variables, and Stochastic Processes**. Athansios Papoulis. McGraw-Hill, New York, 1965. 595 pp. Illus. $19.50. McGraw-Hill Series in Systems Science.

**Problems in Higher Algebra**. D. K. Faddeev and I. S. Sominskii. Translated by J. L. Brenner. Freeman, San Francisco, 1965. 508 pp. Paper, $3.95.

**Proceedings of the 1965 Heat Transfer and Fluid Mechanics Institute, Los Angeles, Calif., June 1965**. Andrew F. Charwat, Ed. Published for the Heat Transfer and Fluid Mechanics Institute by Stanford Univ. Press, Stanford, Calif., 1965. 384 pp. Illus. $10. Twenty-two papers.

**The Quaternary**. vol. 1. Kalervo Rankama, Ed. Interscience (Wiley), New York, 1965. 322 pp. Illus. $15. Four papers: "The Quaternary of Denmark" by Sigurd Hansen; "The Quaternary of Norway" by Björn G. Andersen; "The Quaternary of Sweden" by Jan Lundqvist; and "The Quaternary of Finland" by J. J. Donner.

**Quick Calculus**. A short manual of self instruction. Daniel Kleppner and Norman Ramsey. Wiley, New York, 1965. 302 pp. Illus. Paper, $2.25.

**Radiative Heat Exchange in the Atmosphere**. K. Ya. Kondrat'yev. Translated from the second Russian edition by O. Tedder. C. D. Walshaw, Translation Ed. Pergamon, New York, 1965. 421 pp. Illus. $15.

## Miscellaneous Publications

*(Inquiries concerning these publications should be addressed to the publisher or agency sponsoring the publication, not to* Science.)

**Abstracts for 1964** (*Geol. Soc. Am. Spec. Pap. No. 82*). Geological Soc. America, New York, 1965. 400 pp. Paper, $3. Abstracts of papers submitted for meetings in Miami Beach, Fla.; Seattle, Wash.; Baton Rouge, La.; Moscow, Idaho; College, Alaska; and Montreal, Quebec, Canada.

**An Archaeological Reconnaissance in the Birch Creek Valley of Eastern Idaho** (*Idaho State Univ. Museum Occasional Papers No. 13*). Earl H. Swanson, Jr., and Alan Lyle Bryan. Idaho State Univ. Museum, Pocatello, 1964. 36 pp. Illus. Paper, $1.

**The British Museum (Natural History) Expedition to East Nepal 1961–62: Introduction and Lists of Localities** (*Bull. Brit. Museum Zool.* **12**, *No. 3*). J. G. Sheals and William G. Inglis. British Museum (Natural History), London, 1965. 20 pp. Illus. Plates. Paper, 12s.

**Collaborative Tests.** Report of a symposium (Brighton, England), May 1964. Pharmaceutical Press, London, 1965. 58 pp. Illus. Paper, 12s. 6d. Eight papers.

**Contributions to the Prehistory of Vancouver Island** (*Idaho State Univ. Museum Occasional Papers No. 15*). Katherine H. Capes. Idaho State Univ. Museum, Pocatello, 1964. 128 pp. Illus. Paper, $2.

**A Critical Review of the Marine Nematode Genus Euchromadora de Man, 1886** (*Bull. Brit. Museum Zool.* **12**, *No. 5*). John W. Coles. British Museum (Natural History), London, 1965. 42 pp. Illus. Paper, 13s.

**Diabetes-Related Literature Index.** By authors and by key words in the title. For the year 1962. (*J. Am. Dietet. Assoc.* **14**, *suppl. 1*). Irving Graef, Ed. American Diabetes Assoc., New York, 1965. 487 pp. Paper. There are approximately 3200 articles, arranged under both authors and key words.

**The Distribution and Abundance of Foraminifera in Long Island Sound.** *Smithsonian Inst. Misc. Collections* **149**, *No. 1*). Martin A. Buzas. Smithsonian Institution, Washington, D.C., 1965. 98 pp. Illus. Plates. Paper, $1.50.

**ESCP Reference Series.** Nos. 4–6. No. 4, *Selected Maps and Earth Science Publications: For the States and Provinces of North America*, compiled by William H. Matthews III (44 pp.); No. 5, *Free Materials for Earth Science Teachers*, compiled by William H. Matthews III and Rolland B. Bartholomew (25 pp.); No. 6, *Planetariums, Observatories, and Earth Science Exhibits*, compiled by William H. Matthews III (36 pp.). Prentice-Hall, Englewood Cliffs, N.J., 1965. Paper, $1 per set. Publications of the Earth Science Curriculum Project, an interdisciplinary science program for secondary schools. The project is sponsored by the American Geological Institute.

**The Feeding Mechanisms and Preferred Foods of Three Species of Pycnogonida** (*Bull. Brit. Museum Zool.* **12**, *No. 6*). William G. Fry. British Museum (Natural History), London, 1965. 29 pp. Illus. Plates. Paper, 16s.

**The First Airplane Diesel Engine: Packard Model DR-980 of 1928** (*Annals of Flight* **1**, *No. 2*). Robert B. Meyer. Smithsonian Institution, Washington, D.C., 1964. 56 pp. Illus. Paper 60¢ (order from Superintendent of Documents, Washington, D.C.).

**Form and Function in the Evolution of the Vermetidae** (*Bull. Brit. Museum Zool.* **11**, *No. 9*). J. E. Morton. British Museum (Natural History), London, 1965. 52 pp. Illus. Paper, 18s.

**The Growth of U.S. Population**. Analysis of the problems and recommendations for research, training, and service. Committee on Population, William D. McElroy, Chairman. Natl. Acad. of Sciences–Natl. Research Council, Washington, D.C., 1965. 35 pp. Paper, $1.25.

**Hexahedrites** (*Smithsonian Inst. Misc. Collections* **148**, *No. 5*). Edward P. Henderson. Smithsonian Institution, Washington, D.C., 1965. 41 pp. Illus. Plates. Paper, $1.

**An Index to the Systematic Collection of Minerals in the British Museum (Natural History)**. British Museum (Natural History), London, ed. 28, 1965. 32 pp. Paper, 4s.

**Industrial Synthesis and Applications of Organometallics** (*Ann N.Y. Acad. Sci.* **125**, *No. 1*). Harold E. Whipple, Ed. New York Acad. Sciences, New York, 1965. 248 pp. Illus. Paper, $7. Twenty-one papers presented at a conference (New York), June 1964.

**Intergovernmental Relations in the United States** (*Ann. Amer. Acad. Polit. Soc. Sci.* **359**). Harry W. Reynolds, Jr. American Acad. Political and Social Science, Philadelphia, 1965. 267 pp. Paper, $2.50; cloth, $3.50. Sixteen papers.

**Jare Scientific Reports, Biology**. Series E, Nos. 22 and 23. No. 22, *Two Small Collections of Copepods from the Antarctic* (40 pp.) by Otohiko Tanaka; No. 23, *Some Octocorals from the Antarctic Waters off Prince Harald Coast* (20 pp.) by Huzio Utinomi. Polar Section, Natl. Science Museum, Tokyo, Japan, 1964. Illus. Plates. Paper.

**Kapingamarangi: Social and Religious Life of a Polynesian Atoll** (*Bishop Museum Bull. No. 228*). Kenneth P. Emory. Bishop Museum Press, Honolulu, 1965. 369 pp. Illus. Paper, $9.50.

**The Laser** (*Ann. N.Y. Acad. Sci.* **122**, *No. 2*). Harold E. Whipple, Ed. New York Acad. Sciences, New York, 1965. 264 pp. Illus. Paper, $7. Twenty-eight papers presented at a conference held in May 1964.

**Manual of Tide Observations**. U.S. Coast and Geodetic Survey, Washington, D.C., 1965 (order from Superintendent of Documents, Washington, D.C.). 80 pp. Illus. $2. This is a revision of *Special Publication No. 196*.

**Medical Uses of Radium and Radium Substitutes**. Conference summary and conclusions (Chicago, Ill.), September 1964. U.S. Department of Health, Education, and Welfare, Washington, D.C., 1965. 44 pp. Paper.

**Memoirs of the Institute for Protein Research, Osaka University**. vol. 7. Kozo Narita and Tatsuo Miyazawa, Eds. Institute for Protein Research, Osaka Univ., Osaka, Japan, 1965. 384 pp. Illus. Paper. Thirty-nine papers and abstracts of 21 papers.

**Memory Bibliography 1961–1964**. An edited compilation of 430 references to the world literature on memory. Neurosciences Research Program, Brookline, Mass., 1965. 60 pp. Paper.

**Methods of Surveying and Monitoring Marine Radioactivity**. Report of an *ad hoc* panel of experts. International Atomic Energy Agency, Vienna, 1965. 105 pp. Paper, $2 (order from Natl. Agen-

cy for International Publications, New York). *Safety Series, No. 11.*

**Mitral Valve Disease** (*Ann. N.Y. Acad. Sci. 118, No. 10*). Harold E. Whipple, Ed. New York Acad. Sciences, New York, 1965. 68 pp. Illus. Paper, $1.50.

**A Monograph of Parmelia, Subgenus Amphigymnia** (*Contrib. U.S. Nat. Herbarium* **36**, *pt. 5*). Mason E. Hale, Jr. Smithsonian Institution, Washington, D.C., 1965. 168 pp. Illus. Paper.

**The National Aeronautical Collections** (*Publ. No. 4255*). Smithsonian Institution National Air Museum. Paul E. Garber. Smithsonian Institution, Washington, D.C., ed. 10. 1965. 174 pp. Illus. Paper, $2.

**The Natural Resources of Northern Wisconsin: A Wisconsin Academy Profile** (*Trans. Wisconsin Acad. Sci.* **53**, *pt. A*). Goodwin F. Berquist, Jr., Ed. Wisconsin Acad. Sciences, Arts, and Letters, Madison, 1964. 160 pp. Illus. Paper, $2.50. Twenty-one papers presented at the 94th annual meeting of the Academy.

**New and Noteworthy Amphibians and Reptiles from British Honduras** (*Bull. Florida State Museum Biol. Sci.* **9**, *No. 3*). Wilfred T. Neill. Florida State Museum, Gainesville, 1965. 54 pp. Illus. Paper, 70¢.

**The Non-Therapsid Reptiles of the Lufeng Basin, Yunnan, China** (*Fieldiana, Geol. 15, No. 1*). David Jay Simmons. Chicago Natural History Museum, Chicago, 1965. 93 pp. Illus. Paper, $3.

**Observations on Marine Mammals in Florida Waters** (*Bull. Florida State Museum Bio. Sci.* **9**, *No. 4*). James N. Layne. Florida State Museum, Gainesville, 1965. 51 pp. Illus. Paper, 75¢.

**Pesticide Handbook-Entoma**. Compiled and edited by Donald E. H. Frear. College Science Publishers, State College, Pa., ed. 17, 1965. 315 pp. Paper, $3; cloth, $4.

**The Planetary Food Potential** (*Ann. N.Y. Acad. Sci.* **118**, *No. 17*). Harold E. Whipple, Ed. New York Acad. Sciences, New York, 1965. 74 pp. Illus. Paper, $2.50.

**Planning for Medical Progress Through Education**. Lowell T. Coggeshall. Association of American Medical Colleges, Evanston, Ill., 1965. 117 pp. Illus. Paper, $2. A report submitted to the executive council of the Association.

**A Preliminary Revision of the Indo-Pacific Alosinae (Pisces: Clupeidae)** (*Bull. Brit. Museum Zool.* **12**, *No. 4*). P. J. P. Whitehead. British Museum (Natural History), London, 1965. 42 pp. Illus. Paper, 16s.

**Proceedings of the South Dakota Academy of Science**. Sioux Falls, April 1964. W. O. Read, Ed. Univ. of South Dakota, Vermillion, 1965. 227 pp. Illus. Paper, $2. Thirty papers presented at the 49th annual meeting, the award winning paper in the Junior Academy of Science, and abstracts of 44 papers presented before the senior and collegiate sections of the Academy.

**Protein Requirements**. Report of a Joint FAO/WHO Expert Group. World Health Organization, Geneva, Switzerland, 1965 (order from Columbia Univ. Press, New York). 72 pp. Illus. Paper, $1.25. *World Health Organization Technical Report Series, No. 301.*

**Public Health Service Numbered Publi-**

**cations: A Catalogue 1950–1962.** U.S. Department of Health, Education, and Welfare, Washington, D.C., 1965 (order from Superintendent of Documents, Washington, D.C.). 198 pp. Paper, $1.

**Revision of the Family Pneumoridae** (Orthoptera: Acridoidea) (*Bull. Brit. Museum Entomol.* **15**, *No. 10*). V. M. Dirsch. British Museum (Natural History), London, 1965. 74 pp. Illus. Paper, 26s.

**The Science of Geography.** Report of the Ad Hoc Committee on Geography, Earth Sciences Division. Nat. Acad. Sciences–Natl. Research Council, Washington, D.C., 1965. 88 pp. Paper, $2.50.

**Silurian Polyzoa from Benthall Edge, Shropshire** (*Bull. Brit. Museum Geol.* **10**, *No. 4*). D. E. Owen. British Museum (Natural History), London, 1965. 25 pp. Plates. Paper, 27s.

**The Slide Rule Handbook.** James Owen Perrine. Baywood, New York, 1965 (available from Gordon and Breach, New York). 112 pp. Ilus. Paper, $3; cloth, $5.

**Soviet Antarctic Expedition: Information Bulletin.** vol. 3. Translated from the Russian by Scripta Technica and the Geophysical and Polar Research Center, University of Wisconsin. Elsevier, New York, 1965. 389 pp. Illus. $15.

**A Study of the Early Tertiary Condylarthran Mammal Meniscotherium** (*Smithsonian Inst. Misc. Collections* **149**, *No. 2*). C. Lewis Gazin. Smithsonian Institution, Washington, D.C., 1965 (order from Superintendent of Documents, Washington, D.C.). 102 pp. Illus. Plates, Paper, $2.

**The Systematics, Evolution and Zoogeography of Staphlinid Beetles Associated with Army Ants (Coleoptera, Staphylinidae)** (*Fieldiana, Zool.* **47**, *No. 2*). Charles H. Seevers. Chicago Natural History Museum, Chicago, 1965. 215 pp. Illus. Paper, $5.50.

**Taxonomy and Nomenclature of the Bronzed Cowbird** (*Fieldiana, Zool.* **44**, *No. 22*). Kenneth C. Parkes and Emmet R. Blake. Chicago Natural History Museum, Chicago, 1965. 10 pp. Paper, 50¢.

**Ten Conferences on the Training of Teachers of Elementary School Mathematics.** Report No. 11. Committee on the Undergraduate Program in Mathematics, Berkeley, Calif., 1965. 144 pp. Paper.

**The Three-C Site, an Early Pueblo II Ruin in Chaco Canyon.** (*Univ. New Mexico Publ. Ser. Anthropol. No. 13*). Gordon Vivian. Univ. of New Mexico Press, Albuquerque, 1965. 48 pp. Illus. Paper, $2.

**Transactions of the Wisconsin Academy of Sciences, Arts and Letters.** vol. 53. Goodwin F. Berquist, Jr., Ed. Wisconsin Acad. Sciences, Arts and Letters, Milwaukee, 1964. 287 pp. Illus. Paper, $4. Sixteen papers.

**The Types of Proctotrupoidea (Hymenoptera) in the British Museum (Natural History) and in the Hope Department of Entomology, Oxford** (*Bull. Brit. Museum Entomol. Suppl. 1*). L. Masner. British Museum (Natural History), London, 1965. 154 pp. Paper, 50s.

**Vernacular Maize Names and Some African Tribal Migrations** (*Ann. N.Y. Acad. Sci.* **118**, *No. 12*). Harold E. Whipple, Ed. New York Acad. Sciences, New York, 1965. 20 pp. Paper, $1.50.