

**Solar Energy.** A UK Assessment. UK Section of the International Solar Energy Society, London, 1976. vi, 376 pp., illus. Paper, \$20.

**A Spy in the House of Medicine.** George A. Silver. Aspen Systems Corp., Germantown, Md., 1976. xii, 310 pp. \$15.

**Teaching Exceptional Children.** Assessing and Modifying Social Behavior. Phillip S. Strain, Thomas P. Cooke, and Tony Apolloni. Academic Press, New York, 1976. viii, 152 pp. \$11.50. Educational Psychology.

**Techniques of Environmental Systems Analysis.** R. H. Pantell. Wiley-Interscience, New York, 1976. xiv, 188 pp., illus. \$12.95.

**Tobacco Substitutes.** Marshall Sittig. Noyes Data Corporation, Park Ridge, N.J., 1976. x, 182 pp., illus. \$36.

## Book Order Service

A Science Book Order Service, based on the Books Received column, has been established. It is scheduled for each issue in which there is a Readers' Service Card. To order any of the books listed, circle the corresponding number on the Readers' Service Card (pages 638A and 694A); the participating publisher(s) will ship the title(s) ordered and send you a bill.

**Advances in Genetics.** Vol. 18. E. W. Caspari, Ed. Academic Press, New York, 1976. viii, 438 pp. \$31.50. *To order this book circle No. 451 on Readers' Service Card*

**Advances in Protein Chemistry.** Vol. 30. C. B. Anfinsen, John T. Edsall, and Frederic M. Richards, Eds. Academic Press, New York, 1976. x, 490 pp., illus. \$32.50. *To order this book circle No. 452 on Readers' Service Card*

**Alcoholism.** Interdisciplinary Approaches to an Enduring Problem. Ralph E. Tarter and A. Arthur Sugarman, Eds. Addison-Wesley, Reading, Mass., 1976. xvi, 858 pp. Cloth, \$27.50; paper, \$13.50. *To order this book circle No. 453 on Readers' Service Card*

**Analytical Applications of Complex Equilibria.** J. Inczédy. Translated from the Hungarian edition (Budapest). Julian Tyson, Transl. Ed. Horwood, Chichester, England, and Halsted (Wiley), New York, 1976. 416 pp., illus. \$44. Ellis Horwood Series in Analytical Chemistry. *To order this book circle No. 454 on Readers' Service Card*

**Anthropology and the Public Interest.** Fieldwork and Theory. Papers from a conference, Philadelphia, Oct. 1973. Peggy Reeves Sanday, Ed. Academic Press, New York, 1976. xxviii, 364 pp. \$19.50. Studies in Anthropology. *To order this book circle No. 455 on Readers' Service Card*

**Applications of Statistics to Industrial Experimentation.** Cuthbert Daniel. Wiley, New York, 1976. xviii, 294 pp., illus. \$17.50. Wiley Series in Probability and Mathematical Statistics. *To order this book circle No. 456 on Readers' Service Card*

**Beam-Foil Spectroscopy.** Vol. 2, Collisional and Radiative Processes. Proceedings of a conference, Gatlinburg, Tenn., Sept. 1975. Ivan A. Sellin and David J. Pegg, Eds. Plenum, New York, 1976. xx + pp. 461-988, illus. \$45. *To order this book circle No. 457 on Readers' Service Card*

**Behavioral Foundations of System Development.** David Meister. Wiley-Interscience, New York, 1976. xviii, 374 pp., illus. \$21.95. Wiley Series in Human Factors. *To order this*

*book circle No. 458 on Readers' Service Card*

**Biochemical Contraception.** Prospects for Human Development. Michael H. Briggs and Maxine Briggs. Academic Press, New York, 1976. viii, 360 pp., illus. \$29. *To order this book circle No. 459 on Readers' Service Card*

**Character Theory of Finite Groups.** I. Martin Isaacs. Academic Press, New York, 1976. xii, 304 pp. \$29.50. Pure and Applied Mathematics. *To order this book circle No. 461 on Readers' Service Card*

**Construction and Design of Cable-Stayed Bridges.** Walter Podolny and John B. Scalzi. Wiley-Interscience, New York, 1976. xviii, 506 pp., illus. \$32.50. Wiley Series of Practical Construction Guides. *To order this book circle No. 462 on Readers' Service Card*

**Control of Gene Expression.** Norman Maclean. Academic Press, New York, 1976. xii, 348 pp., illus. \$19.75. *To order this book circle No. 463 on Readers' Service Card*

**Encyclopedia of Polymer Science and Technology.** Plastics, Resins, Rubbers, Fibers. Supplement Vol. 1, Acrylonitrile Polymers, Degradation to Vinyl Chloride. Interscience (Wiley), New York, 1976. xx, 674 pp. \$55. *To order this book circle No. 464 on Readers' Service Card*

**The Enzymes.** Vol. 13, Oxidation-Reduction. Part C. Paul D. Boyer, Ed. Academic Press, New York, ed. 3, 1976. xxvi, 542 pp., illus. \$46.50. *To order this book circle No. 465 on Readers' Service Card*

**The Enzymes of Biological Membranes.** Vol. 3, Membrane Transport. Anthony Maronosi, Ed. Plenum, New York, 1976. xvi, 460 pp., illus. \$35. *To order this book circle No. 466 on Readers' Service Card*

**Essays in Toxicology.** Vol. 7. Wayland J. Hayes, Jr., Ed. Academic Press, New York, 1976. xvi, 206 pp., illus. \$21.50. *To order this book circle No. 501 on Readers' Service Card*

**Frequency Synthesizers Theory and Design.** Vadim Manassewitsch. Wiley-Interscience, New York, 1976. xii, 524 pp., illus. \$27.50. *To order this book circle No. 502 on Readers' Service Card*

**Future Resources and World Development.** Paul Rogers, Ed., in association with Anthony Vann. Plenum, New York, 1976. xii, 268 pp. \$25. Frontiers in Human Ecology. *To order this book circle No. 503 on Readers' Service Card*

**Generalized Inverses and Applications.** Proceedings of a seminar, Madison, Wis., Oct. 1973. M. Zuhair Nashed, Ed. Academic Press, New York, 1976. xiv, 1054 pp. \$34. Publication No. 32 of the Mathematics Research Center, University of Wisconsin, Madison. *To order this book circle No. 467 on Readers' Service Card*

**Heroin Addiction.** Theory, Research, and Treatment. Jerome J. Platt and Christina Labate. Wiley-Interscience, New York, 1976. xiv, 418 pp. \$19.95. Wiley Series on Personality Processes. *To order this book circle No. 468 on Readers' Service Card*

**Human Resources for Troubled Children.** Werner I. Halpern and Stanley Kissel. Wiley-Interscience, New York, 1976. viii, 264 pp. \$17.95. Wiley Series on Personality Process. *To order this book circle No. 435 on Readers' Service Card*

**Hypoglycin.** Proceedings of a symposium, Kingston, Jamaica, Apr. 1974. E. A. Kean, Ed. Academic Press, New York, 1976. viii, 184 pp., illus. \$20. PAABS Symposium Series, vol. 3. *To order this book circle No. 504 on Readers' Service Card*

**Insect Flight.** Proceedings of a symposium.

R. C. Rainey, Ed. Halsted (Wiley), New York, 1976. xii, 288 pp., illus. + plates. \$47.50. Symposia of the Royal Entomological Society of London, No. 7. *To order this book circle No. 469 on Readers' Service Card*

**Introduction to Ceramics.** W. D. Kingery, H. K. Bowen, and D. R. Uhlmann. Wiley-Interscience, New York, ed. 2, 1976. xiv, 1032 pp., illus. \$34.95. Wiley Series on the Science and Technology of Materials. *To order this book circle No. 505 on Readers' Service Card*

**An Introduction to Radiation Chemistry.** J. W. T. Spinks and R. J. Woods. Wiley-Interscience, New York, ed. 2, 1976. xvi, 504 pp., illus. \$24.95. *To order this book circle No. 470 on Readers' Service Card*

**Introduction to Solid State Physics.** Charles Kittel. Wiley, New York, ed. 5, 1976. xvi, 600 pp., illus. \$19.95. *To order this book circle No. 471 on Readers' Service Card*

**Linear Motion Electric Machines.** S. A. Nasar and I. Boldea. Wiley-Interscience, New York, 1976. x, 294 pp., illus. \$18.95. *To order this book circle No. 472 on Readers' Service Card*

**Magnetic Resonance of Biomolecules.** An Introduction to the Theory and Practice of NMR and ESR in Biological Systems. P. F. Knowles, D. Marsh, and H. W. E. Rattle. Wiley-Interscience, New York, 1976. xiv, 344 pp., illus. Cloth, \$23; paper, \$9.95. *To order this book circle No. 473 on Readers' Service Card*

**Marine Sediment Transport and Environmental Management.** Papers from a short course, Key Biscayne, Fla., Nov. 1974. Daniel Jean Stanley and Donald J. P. Swift, Eds. Wiley-Interscience, New York, 1976. xviii, 602 pp., illus. \$35. *To order this book circle No. 474 on Readers' Service Card*

**Meat Animals.** Growth and Productivity. Proceedings of a symposium, Prestbury, Cheshire, England, Dec. 1974. D. Lister, D. N. Rhodes, V. R. Fowler, and M. F. Fuller, Eds. Plenum, New York, 1976. xii, 542 pp., illus. \$42.50. NATO Advanced Study Institutes Series A, vol. 8. *To order this book circle No. 506 on Readers' Service Card*

**Membrane Electrodes.** N. Lakshminarayanaiah. Academic Press, New York, 1976. x, 368 pp., illus. \$34.50. *To order this book circle No. 475 on Readers' Service Card*

**Methods in Carbohydrate Chemistry.** Vol. 7, General Methods, Glycosaminoglycans, and Glycoproteins. Roy L. Whistler and James N. BeMiller, Eds. Academic Press, New York, 1976. xxii, 294 pp., illus. \$29.50. *To order this book circle No. 507 on Readers' Service Card*

**Neural and Behavioral Specificity.** Gilbert Gottlieb, Ed. Academic Press, New York, 1976. xx, 352 pp., illus. \$28.50. Studies on the Development of Behavior and the Nervous System, vol. 3. *To order this book circle No. 476 on Readers' Service Card*

**On Numbers and Games.** J. H. Conway. Academic Press, New York, 1976. x, 238 pp., illus. \$16.50. London Mathematical Society Monographs No. 6. *To order this book circle No. 477 on Readers' Service Card*

**Organic Reaction Mechanisms 1974.** An Annual Survey Covering the Literature Dated December 1973 through November 1974. A. R. Butler and M. J. Perkins, Eds. Interscience (Wiley), New York, 1976. viii, 660 pp., illus. \$63. *To order this book circle No. 508 on Readers' Service Card*

**Outlines of Biochemistry.** Eric E. Conn and (Continued on page 704)

## RESEARCH NEWS

(Continued from page 667)

called for construction of at least a few synthetic fuel plants, at government expense if necessary, as a form of insurance against the petroleum exporting countries' greed. Still others, impressed with how soon world oil production might begin to decline (10 to 25 years are common estimates) and how long it takes to build up a new industry, have urged rapid and wholesale moves to synthetic fuels.

This debate is reflected in the ambivalence about coal and synthetic fuels in Congress and in the country as a whole. Congress, for example, last year killed a bill to permit federal loan guarantees for the first commercial synthetic fuel plants. Revived this year, the bill was passed by three different committees in the House but gutted in the fourth, and its future is very uncertain. Many observers of the coal research program seem to think that Congress, whose 35 committees and subcommittees dealing with energy leave ERDA little that it can call its own policies, may in fact have set the agency a nearly impossible task in asking it to push the commercialization of new technologies under present conditions.

This ambivalence about coal and about taking decisive measures to relieve this country's dependence on scarce fuels—oil and gas—is not restricted just to Congress. Environmentalists who are opposed to nuclear power plants do not endorse coal-fired plants in their stead. Few industrial companies want to exchange the convenience of oil and gas for the unfamiliar complexities of the equipment necessary to clean up coal or to convert it to a form usable in their existing plants, either. General Motors, for example, which faces a cutoff of the natural gas used in its body plants, has leased drilling equipment and is seeking to develop its own sources of gas rather than buy gasifiers and coal.

Perhaps this reluctance to come to terms with coal explains why White told *Science*, "What we need to get the synthetic fuels program going is a really cold winter," a sentiment echoed by others. That event would most immediately affect the supply of natural gas and draw new attention to efforts to make synthetic gas, which will be the subject of a second article. But it is a sad comment on the state of the nation's coal research program that its success, so crucial to any eventual hope of energy independence, is so widely acknowledged to be as uncertain as the weather.

—ALLEN L. HAMMOND

## BOOK ORDER SERVICE

(Continued from page 672)

P. K. Stumpf. Wiley, New York, ed. 4, 1976. viii, 630 pp., illus. \$15.95. *To order this book circle No. 509 on Readers' Service Card*

**Phonons and Resonances in Solids.** Baldasare Di Bartolo and Richard C. Powell. Wiley-Interscience, New York, 1976. xviii, 516 pp., illus. \$24.95. *To order this book circle No. 510 on Readers' Service Card*

**Photochemical and Photobiological Reviews.** Vol. 1. Kendrick C. Smith, Ed. Plenum, New York, 1976. xii, 392 pp., illus. \$32.50. *To order this book circle No. 511 on Readers' Service Card*

**Polymer Blends and Composites.** John A. Manson and Leslie H. Sperling. Plenum, New York, 1976. xviii, 514 pp., illus. \$39.50. *To order this book circle No. 443 on Readers' Service Card*

**The Post-Physician Era.** Medicine in the Twenty-First Century. Jerrold S. Maxmen. Wiley-Interscience, New York, 1976. xii, 300 pp. \$15.95. *To order this book circle No. 478 on Readers' Service Card*

**Principles of Lasers.** Orazio Svelto. Translated from the Italian edition by David C. Hanna. Plenum, New York, 1976. xii, 376 pp., illus. \$25. *To order this book circle No. 444 on Readers' Service Card*

**Progress in Analytical Chemistry.** Vol. 8. Papers from a symposium, New York, Oct. 1976. Ivor L. Simmons and Galen W. Ewing, Eds. Plenum, New York, 1976. viii, 336 pp., illus. \$29.50. *To order this book circle No. 479 on Readers' Service Card*

**Progress in Behavior Modification.** Vol. 2. Michel Hersen, Richard M. Eisler, and Peter M. Miller, Eds. Academic Press, New York, 1976. xvi, 368 pp. \$19. *To order this book circle No. 512 on Readers' Service Card*

**Psychopathology and Child Development.** Research and Treatment. Papers from a colloquium, Chapel Hill, N.C., Oct. 1973. Eric Schopler and Robert J. Reichler, Eds. Plenum, New York, 1976. xvi, 396 pp. \$22.50. *To order this book circle No. 513 on Readers' Service Card*

**Queueing Systems.** Vol. 2, Computer Applications. Leonard Kleinrock. Wiley-Interscience, New York, 1976. xxii, 550 pp., illus. \$24.95. *To order this book circle No. 514 on Readers' Service Card*

**Radiopharmacy.** Manuel Tubis and Walter Wolf, Eds. Wiley-Interscience, New York, 1976. xvi, 912 pp., illus. \$44.50. *To order this book circle No. 515 on Readers' Service Card*

**Recall and Recognition.** John Brown, Ed. Wiley-Interscience, New York, 1976. x, 276 pp. \$24.50. *To order this book circle No. 516 on Readers' Service Card*

**Reduced Density Matrices in Quantum Chemistry.** Ernest Roy Davidson. Academic Press, New York, 1976. viii, 136 pp. \$17. *Theoretical Chemistry, vol. 6. To order this book circle No. 517 on Readers' Service Card*

**Simplified Design of Reinforced Concrete.** Harry Parker. Fourth edition prepared by Harold D. Hauf. Wiley-Interscience, New York, 1976. xvi, 304 pp., illus. \$15. *To order this book circle No. 518 on Readers' Service Card*

**Solid State Physics.** Advances in Research and Applications. Vol. 31. Henry Ehrenreich, Frederick Seitz, and David Turnbull, Eds. Academic Press, New York, 1976. xiv, 306 pp., illus. \$25. *To order this book circle No. 519 on Readers' Service Card*

**Spectroscopic Data.** Vol. 2, Homonuclear Diatomic Molecules. S. N. Suchard and J. E. Melzer, Eds. IFI/Plenum, New York, 1976. viii, 586 pp. \$57.50. *To order this book circle No. 520 on Readers' Service Card*

**Structural Studies of Macromolecules by Spectroscopic Methods.** Papers from a meeting, Bedford, England, July 1974. K. J. Ivin, Ed. Wiley-Interscience, New York, 1976. xiv, 340 pp., illus. \$37. *To order this book circle No. 521 on Readers' Service Card*

**Syntony and Spark—The Origins of Radio.** Hugh G. J. Aitken. Wiley-Interscience, New York, 1976. xviii, 348 pp., illus. \$15.95. *Science, Culture, and Society. To order this book circle No. 522 on Readers' Service Card*

**Systems Engineering Methodology for Interdisciplinary Teams.** A. Wayne Wymore. Wiley-Interscience, New York, 1976. xii, 432 pp., illus. \$27.50. *To order this book circle No. 523 on Readers' Service Card*

**A Theory of Intelligent Behavior.** Dalbir Bindra. Wiley-Interscience, New York, 1976. x, 448 pp., illus. \$16.95. *To order this book circle No. 484 on Readers' Service Card*

**Thiamine.** Proceedings of a seminar, Monterey, Calif., Oct. 1974. Clark J. Gubler, Motonori Fujiwara, and Pierre M. Dreyfus, Eds. Wiley-Interscience, New York, 1976. xii, 394 pp., illus. \$27. *To order this book circle No. 524 on Readers' Service Card*

**Topics in Carbon-13 NMR Spectroscopy.** Vol. 2. George C. Levy, Ed. Wiley-Interscience, New York, 1976. xiv, 486 pp., illus. \$27.50. *To order this book circle No. 525 on Readers' Service Card*

**Treatise on Solid State Chemistry.** Vol. 6A, Surfaces I. N. B. Hannay, Ed. Plenum, New York, 1976. xii, 492 pp., illus. \$45. *To order this book circle No. 485 on Readers' Service Card*

**Treatise on Solid State Chemistry.** Vol. 6B, Surfaces II. N. B. Hannay, Ed. Plenum, New York, 1976. xiv, 418 pp., illus. \$45. *To order this book circle No. 486 on Readers' Service Card*

**Ultrasonic Biophysics.** Floyd Dunn and William D. O'Brien, Jr., Eds. Dowden, Hutchinson and Ross, Stroudsburg, Pa., 1976 (distributor, Halsted [Wiley], New York). xx, 412 pp., illus. \$30. *Benchmark Papers in Acoustics, vol. 7. To order this book circle No. 487 on Readers' Service Card*

**Underwater Medicine and Related Sciences.** A Guide to the Literature. Vol. 2. Margaret F. Werts and Charles W. Shilling. IFI/Plenum, New York, 1976. x, 662 pp. \$39.50. *To order this book circle No. 526 on Readers' Service Card*

**A User's Handbook of D/A and A/D Converters.** Eugene R. Hnatek. Wiley-Interscience, New York, 1976. xvi, 472 pp., illus. \$24.95. *To order this book circle No. 488 on Readers' Service Card*

**Vistas in Physical Reality.** Festschrift for Henry Margenau. Ervin Laszlo and Emily B. Sellon, Eds. Plenum, New York, 1976. xii, 228 pp., illus. \$30. *To order this book circle No. 527 on Readers' Service Card*

**Water Deficits and Plant Growth.** Vol. 4, Soil Water Measurement, Plant Responses, and Breeding for Drought Resistance. T. T. Kozlowski, Ed. Academic Press, New York, 1976. xiv, 384 pp., illus. \$32. *To order this book circle No. 489 on Readers' Service Card*

**The Ways of Paradox and Other Essays.** W. V. Quine. Harvard University Press, Cambridge, Mass., ed. 2, 1976. xii, 336 pp. Cloth, \$15; paper, \$5.95. *To order this book circle No. 460 on Readers' Service Card*