

Books Reviewed in Science

14 May 1971 through 5 May 1972

- Absolute Configuration of Metal Complexes*, C. J. Hawkins, 11 Feb. 1972, 620
- Acetabularia and Cell Biology*, S. Puiseux-Dao, 21 May 1971, 834
- Actions of Alcohol*, H. Wallgren and H. Barry, III, 27 Aug. 1971, 806
- Advances in Cell and Molecular Biology*, E. J. DuPraw, Ed., 4 Feb. 1972, 510
- Adventures in Experimental Physics*, B. Maglich, Ed., 5 May 1972, 502
- Aldrin, Dieldrin, Endrin and Telodrin*, K. W. Jager, 25 June 1971, 1323
- Amazonia*, B. J. Meggers, 10 Mar. 1972, 1100
- American Entomologists*, A. Mallis, 14 Jan. 1972, 162
- The American Health Empire*, B. and J. Ehrenreich, 14 May 1971, 701
- The American Ideology of National Science, 1919-1930*, R. C. Tobey, 28 Apr. 1972, 397
- Analysis of Temperate Forest Ecosystems*, D. E. Reichle, Ed., 25 Feb. 1972, 874
- The Analytical Chemistry of Nitrogen and Its Compounds*, C. A. Streuli and P. R. Averell, Eds., 29 Oct. 1971, 487
- The Anatomy of a Scientific Institution*, R. Hahn, 27 Aug. 1971, 804
- Ancient Astronomical Observations and the Accelerations of the Earth and Moon*, R. R. Newton, 14 May 1971, 693
- Animal Psychophysics*, W. C. Stebbins, Ed., 4 Feb. 1972, 508
- Annual Review of Ecology and Systematics*, vol. 1, R. F. Johnston, P. W. Frank, and C. D. Michener, Eds., 20 Aug. 1971, 713
- Annual Review of Materials Science*, vol. 1, R. A. Huggins, R. H. Bube, and R. W. Roberts, Eds., 31 Mar. 1972, 1452
- Antigens Lymphoid Cells, and the Immune Response*, G. J. V. Nossal and G. L. Ada, 19 Nov. 1971, 814
- Aquatic Chemistry*, W. Stumm and J. J. Morgan, 11 June 1971, 1124
- Archaeological Survey in Lower Yazoo Basin, Mississippi, 1949-1955*, P. Phillips, 21 Apr. 1972, 272
- Arid Lands in Transition*, H. E. Dregne, Ed., 21 May 1971, 832
- Army Ants*, T. C. Schneirla, 28 Jan. 1972, 401
- Aspects of Terpenoid Chemistry and Biochemistry*, T. W. Goodwin, Ed., 17 Mar. 1972, 1236
- Aspirations and Affluence*, G. Katona, B. Strumpel, and E. Zahn, 14 May 1971, 669
- Atoms and Powers*, A. Thackray, 14 May 1971, 709
- Avian Biology*, vol. 1, D. S. Farner and J. R. King, Eds., 17 Mar. 1972, 1233
- Baboon Ecology*, S. A. Altmann and J. Altmann, 3 Sept. 1971, 903
- The Bacteriophage Lambda*, A. D. Hershey, Ed., 11 Feb. 1972, 617
- The Basis of Motor Control*, R. Granit, 14 May 1971, 677
- Behavior and Environment*, A. H. Esser, Ed., 2 July 1971, 42
- Behavior Therapy*, C. M. Franks, Ed., 14 May 1971, 682
- The Behaviour of Nematodes*, N. A. Croll, 25 Feb. 1972, 876
- Bicentenary of the James Watt Patent for a Separate Condenser for the Steam Engine*, R. Donaldson, Ed., 18 Feb. 1972, 745
- The Biochemical Basis of Neuropharmacology*, J. R. Cooper, F. E. Bloom, and R. H. Roth, 24 Dec. 1971, 1317
- Biochemistry of Brain and Behavior*, R. E. Bowman and S. P. Datta, Eds., 2 July 1971, 43
- The Biochemistry of Fruits and Their Products*, vol. 1, A. C. Hulme, Ed., 28 May 1971, 932
- The Biochemistry of Functional and Experimental Psychoses*, H. Weil-Malherbe and S. I. Szara, 5 May 1972, 504
- Bioinorganic Chemistry*, R. Dessy, J. Dillard, and L. Taylor, Eds., 17 Mar. 1972, 1235
- Biology of Bats*, vols. 1 and 2, W. A. Wimsatt, Ed., 27 Aug. 1971, 806
- Biology of Intertidal Animals*, R. C. Newell, 21 May 1971, 833
- The Biology of the Blastocyst*, R. J. Blaudau, Ed., 18 June 1971, 1227
- The Biology of Mycoplasmas*, P. F. Smith, 5 May 1972, 504
- Biometeorological Methods*, R. E. Munn, 25 June 1971, 1325
- Blacks, Medical Schools, and Society*, J. L. Curtis, 10 Dec. 1971, 1116
- The Brain in Hominid Evolution*, P. V. Tobias, 10 Mar. 1972, 1101
- British Biochemistry*, T. W. Goodwin, Ed., 14 May 1971, 680
- Bryozoans*, J. S. Ryland, 9 July 1971, 135
- Cadmium in the Environment*, L. Friberg, M. Piscator, and G. Nordberg, 28 Apr. 1972, 400
- California Water*, D. Seckler, Ed., 28 Jan. 1972, 400
- The Caloric Theory of Gases from Lavoisier to Regnault*, R. Fox, 3 Dec. 1971, 1016
- Cambrian of the New World*, C. H. Holland, Ed., 24 Mar. 1972, 1353
- Carboranes*, R. N. Grimes, 17 Sept. 1971, 1119
- Casual Groups of Monkeys and Men*, J. E. Cohen, 14 Jan. 1972, 157
- Catalysis of Gas Reactions by Metals*, A. J. B. Robertson, 20 Aug. 1971, 714
- Celestial Mechanics*, vol. 1, Y. Hagihara, 28 May 1971, 933
- The Cellular Defence Reactions of Insects*, G. Salt, 11 June 1971, 1122
- Chance and Necessity*, J. Monod, 7 Jan. 1972, 49
- Change and Continuity in Infancy*, J. Kagan, 10 Dec. 1971, 1116
- Changing Syntheses in Development*, M. N. Runner, Ed., 17 Mar. 1972, 1236
- Charles Darwin: The Years of Controversy*, P. J. Vorzimmer, 14 May 1971, 677
- Chemical and Biological Aspects of Steroid Conjugation*, S. Bernstein and S. Solomon, Eds., 30 July 1971, 413
- Chemical Dynamics*, J. O. Hirschfelder and D. Henderson, Eds., 19 Nov. 1971, 815
- Chemical Mutagenesis in Mammals and Man*, F. Vogel and G. Röhrborn, Eds., 3 Mar. 1972, 980
- Chemical Mutagens*, A. Hollaender, Ed., 3 Mar. 1972, 980
- Chemistry of Pesticides*, N. N. Melnikov, 22 Oct. 1971, 398
- The Chemistry of Thallium*, A. G. Lee, 28 Apr. 1972, 400
- Chemistry of the Heterocyclic N-Oxides*, A. R. Katritzky and J. M. Lagowski, 5 Nov. 1971, 579
- Chemotherapy and Drug Resistance in Malaria*, W. Peters, 28 Jan. 1972, 404
- Chromosomal Evolution in Higher Plants*, G. L. Stebbins, 25 Feb. 1972, 874
- The Circulating Platelet*, S. A. Johnson, Ed., 21 Jan. 1972, 291
- Circulation in Fishes*, G. H. Satchell, 25 June 1971, 1324
- Class Context and Family Relations*, L. I. Pearlin, 19 Nov. 1971, 812
- Claude Lévi-Strauss*, E. Leach, 14 May 1971, 681
- Cluster Analysis*, R. C. Tryon and D. E. Bailey, 17 Sept. 1971, 1117
- Colloque sur la Paléoécologie des Ostracodes*, H. J. Oertli, Ed., 3 Mar. 1972, 979
- The Coming Crisis of Western Sociology*, A. W. Gouldner, 14 May 1971, 661
- Communication by Chemical Signals*, J. W. Johnston, Jr., D. G. Moulton, and A. Turk, Eds., 3 Dec. 1971, 1013
- Comparative Physiology of Respiratory Mechanisms*, J. B. Steen, 3 Mar. 1972, 979
- Comparative Spermatology*, B. Baccetti, Ed., 6 Aug. 1971, 514
- Concepts of Pest Management*, R. L. Rabb and F. E. Guthrie, Eds., 22 Oct. 1971, 397
- The Conceptual Foundations of Contemporary Relativity Theory*, J. C. Graves, 7 Jan. 1972, 52
- Conformational Analysis*, G. Chiurdoglu, Ed., 3 Dec. 1971, 1017
- Control Mechanisms in the Expression of Cellular Phenotypes*, H. A. Padykula, Ed., 30 July 1971, 414
- Control of Organelle Development*, 4 June 1971, 1019
- Cortisone*, E. C. Kendall, 29 Oct. 1971, 486
- Cosmic Gamma Rays*, F. W. Stecker, 11 Feb. 1972, 621
- Criticism and the Growth of Knowledge*, I. Lakatos and A. Musgrave, Eds., 14 May 1971, 706
- Cultural Action for Freedom*, P. Freire, 14 May 1971, 671
- Cyclic AMP*, G. A. Robison, R. W. Butcher, and E. W. Sutherland, 28 Jan. 1972, 402
- A Dangerous Experiment*, D. G. McGuigan, 14 May 1971, 700
- Decision and Stress*, D. E. Broadbent, 12 Nov. 1971, 683

The Decision to Go to the Moon, J. M. Logsdon, 23 July 1971, 317
Desert Sedimentary Environments, K. W. Glennie, 11 June 1971, 1124
Development Anthropology, G. Cochrane, 25 Feb. 1972, 872
The Development of the Foundations of Mathematical Analysis from Euler to Riemann, I. Grattan-Guinness, 4 June 1971, 1017
Developmental Genetics, C. L. Markert and H. Ursprung, 7 Apr. 1972, 39
Developmental Neurobiology, M. Jacobson, 12 Nov. 1971, 684
Diagnosis and Drug Treatment of Psychiatric Disorders, D. F. Klein and J. M. Davis, 24 Dec. 1971, 1317
Dollars for Research, H. S. Miller, 13 Aug. 1971, 618
Dormancy and Survival, 21 May 1971, 833
Dumbarton Oaks Conference on Chavín, E. P. Benson, Ed., 10 Dec. 1971, 1117
Dynamical System Theory in Biology, vol. 1, R. Rosen, 14 May 1971, 674
The Dynamics of Aerocolloidal Systems, G. M. Hidy and J. R. Brock, 27 Aug. 1971, 807
Earthquake Displacement Fields and the Rotation of the Earth, L. Mansinha, D. E. Smylie, and A. E. Beck, Eds., 14 May 1971, 693
Ecological Isolation in Birds, D. Lack, 21 Jan. 1972, 288
Economic and Social Development, E. S. Dunn, Jr., 29 Oct. 1971, 485
Ecosystem Structure and Function, J. A. Wiens, Ed., 28 Apr. 1972, 398
Education, Health and Behaviour, M. Rutter, J. Tizard, and K. Whitmore, Eds., 19 Nov. 1971, 813
The Effects of Noise on Man, K. D. Kryter, 4 June 1971, 1016
Einstein, R. W. Clark, 24 Dec. 1971, 1315
Electrophysiology of the Central Nervous System, V. S. Rusinov, Ed., 11 Feb. 1972, 619
Elementary Particles, L. C. L. Yuan, Ed., 24 Mar. 1972, 1351
Embattled Reason, R. Bendix, 18 June 1971, 1224
Embryology of the Baboon, A. G. Hendrickx, 16 July 1971, 223
Endocrines and Osmoregulation, P. J. Bentley, 31 Mar. 1972, 1452
Entropy for Biologists, H. J. Morowitz, 11 June 1971, 1123
The Entropy Law and the Economic Process, N. Georgescu-Roegen, 10 Mar. 1972, 1099
Environment, W. W. Murdoch, Ed., 3 Mar. 1972, 977
Environment, Heredity, and Intelligence, 17 Dec. 1971, 1223
Environment, Power, and Society, H. T. Odum, 14 May 1971, 664
Environmental Geology, P. T. Flawn, 11 June 1971, 1121
Environmental Side Effects of Rising Industrial Output, A. J. Van Tassel, Ed., 14 May 1971, 666
Essentials of Molecular Pharmacology, A. Korolkovas, 7 Apr. 1972, 40
Ethnohistory in Southwestern Alaska and the Southern Yukon, M. Lantis, Ed., 27 Aug. 1971, 804
Evolution by Gene Duplication, S. Ohno, 11 Feb. 1972, 617

12 MAY 1972

Experimental Coelenterate Biology, H. M. Lenhoff, L. Muscatine, and L. V. Davis, Eds., 31 Mar. 1972, 1451
Experimental Embryology of Marine and Fresh-Water Invertebrates, G. Reverberi, Ed., 10 Dec. 1971, 1119
Explorations in Mathematical Anthropology, P. Kay, Ed., 18 Feb. 1972, 741
Explorations in the Life of Fishes, N. B. Marshall, 3 Sept. 1971, 903
The Face Finder, M. M. Gerasimov, 20 Aug. 1971, 712
The First European Agriculture, J. Murray, 13 Aug. 1971, 621
Flies and Disease, vol. 1, B. Greenberg, 2 July 1971, 43
Flora of the Galápagos Islands, I. L. Wiggins and D. M. Porter, 21 Jan. 1972, 290
Foetal and Neonatal Immunology, J. B. Solomon, 6 Aug. 1971, 514
Force in Newton's Physics, R. S. Westfall, 14 Apr. 1972, 157
Fossils and Flies, E. N. Shor, 26 Nov. 1971, 937
Frederick Taylor, S. Kakar, 14 May 1971, 699
Freud and Philosophy, P. Ricoeur, 3 Sept. 1971, 905
Freud and the Americans, N. G. Hale, Jr., 10 Mar. 1972, 1100
From Organic Chemistry to Macromolecules, H. Staudinger, 14 May 1971, 688
From Watt to Clausius, D. S. L. Cardwell, 18 Feb. 1972, 745
Functional Morphology and Classification of Teleostean Fishes, W. A. Gosline, 28 Apr. 1972, 399
Fungal Spores, C. T. Ingold, 14 Jan. 1972, 161
Galileo Studies, S. Drake, 14 May 1971, 710
Genetic Resources in Plants, O. H. Frankel, E. Bennett, R. D. Brock, A. H. Bunting, J. R. Harlan, and E. Schreiner, Eds., 4 June 1971, 1018
The Genetics of Mental Disorders, E. Slater and V. Cowie, 28 Jan. 1972, 401
Genetics of the Evolutionary Process, Th. Dobzhansky, 14 May 1971, 673
Geography and a Crowding World, W. Zelinsky, L. A. Kosinski, and R. M. Prothero, Eds., 3 Sept. 1971, 904
Geography of Domestication, E. Isaac, 17 Mar. 1972, 1233
Geomagnetic Micropulsations, J. A. Jacobs, 25 June 1971, 1326
Glacial and Quaternary Geology, R. F. Flint, 16 July 1971, 222
Global Effects of Environmental Pollution, S. F. Singer, Ed., 28 May 1971, 930
Growth and Development of Trees, vol. 1, T. T. Kozlowski, 24 Sept. 1971, 1227
The Haemostatic Mechanism in Man and Other Animals, R. G. Macfarlane, Ed., 11 June 1971, 1122
The Harvard College Observatory, B. Z. Jones and L. G. Boyd, 10 Dec. 1971, 1118
Harvest of Death, J. B. Neilands, G. H. Orians, E. W. Pfeiffer, A. Vennema, and A. H. Westing, 14 Apr. 1972, 154
Hekla, S. Thorarinnsson, 14 May 1971, 692
History of Hydrology, A. K. Biswas, 23 July 1971, 318

"... this book can serve better than any other to document how the aroused consciences of only a few individuals have had a major effect on the course of recent history."

—Arthur W. Galston, *Science*

HARVEST OF DEATH

Chemical Warfare in Vietnam and Cambodia

by J. B. Neilands, Gordon H. Orians, E. W. Pfeiffer, Alje Vennema, and Arthur H. Westing

A vivid and harrowing account of the effects of herbicides and anti-personnel gases used by American forces in Vietnam and Cambodia. The authors, all members of the Scientists Committee on Chemical and Biological Warfare, present information that frequently contradicts official news releases of the Department of Defense. But their purpose is to offer a forthright challenge to State Department policy-makers and to alert both the scientific community and the American public to their responsibilities for combatting what they believe to be unjust and inhumane methods of warfare.

"... it is a document of a kind of Mylai perpetrated against the Vietnamese countryside. As such, it is required reading for scientists with a social conscience, and will be useful for the many courses now arising in response to the student's desire to consider the social relevance of the findings of biology. ... At the moment, this book is the best collection of information on chemical warfare in Vietnam extant."

—Arthur W. Galston, *Science*

Mail orders to:

THE FREE PRESS
 A Division of The Macmillan Company, Collier-Macmillan Distribution Center, Department F
 Riverside, New Jersey 08075

Name

Address

City State

Please send me _____ copy (ies) of HARVEST OF DEATH (92276) @ \$10.00 each. Enclosed is ☐ check ☐ money order for \$_____

Remittance must be enclosed with order. Please add sales tax where applicable. All shipments postpaid. The price shown above is that of The Macmillan Company and its divisions only. All other sources are free to set their own prices.
 DS124 SRC 930 IC 429

Circle No. 92 on Readers' Service Card

Why we use a sticker, not a stencil.



When you work with certified calibration gases, you want to know the exact analysis in the cylinder you're using. No matter whose gas it is, one cylinder's composition can differ from the next by a fraction of a percentage point.

That's why each Air Products cylinder carries a sticker-decal showing the precise figure written in . . . why we don't stencil a row of cylinders all with the same round numbers. Every Air Products cylinder is analyzed individually and carries its individual mark of accuracy.

Not only do we analyze what's in every cylinder but our gas mixtures are the only ones computer-blended. So you can be doubly certain of satisfaction when you order calibration gases from Air Products. Of course, for less demanding uses, we also supply batch-analyzed and unanalyzed mixtures. Contact your nearest Air Products sales office or send in this coupon.

Air Products and Chemicals, Inc.
Specialty Gas Department
733 West Broad Street
Emmaus, Pennsylvania 18049

Telephone (215) 395-8257

- ☐ Please send additional information on calibration gases.
- ☐ Send complete catalog of specialty gases and equipment.
- ☐ Have your representative call.

Name _____ Title _____

Company _____

Address _____

City _____ State _____ Zip _____



Air Products and Chemicals
INC.

- The History of π (Pi)*, P. Beckmann, 14 May 1971, 695
- A History of Poliomyelitis*, J. R. Paul, 5 Nov. 1971, 578
- Homeopathy in America*, M. Kaufman, 4 Feb. 1972, 507
- Hormones and the Environment*, G. K. Benson and J. G. Phillips, Eds., 13 Aug. 1971, 621
- Human Cytogenetics*, J. L. Hamerton, 24 Mar. 1972, 1352
- Human Memory and Its Pathology*, J. Barbizet, 14 May 1971, 684
- Human Resources and Higher Education*, J. K. Folger, H. S. Astin, and A. E. Bayer, 13 Aug. 1971, 618
- Human Sexual Behavior*, D. S. Marshall and R. C. Suggs, Eds., 17 Sept. 1971, 1116
- Hydraulics of Sediment Transport*, W. H. Graf, 18 June 1971, 1228
- Image Formation and Cognition*, M. J. Horowitz, 14 May 1971, 685
- The Immunobiology of Transplantation*, R. Billingham and W. Silvers, 24 Mar. 1972, 1353
- Immunological Aspects of Neoplasia*, R. S. Schwartz, Ed., 28 May 1971, 931
- Immunological Surveillance*, M. Burnet, 30 July 1971, 413
- The Impact of the Natural Sciences on Archaeology*, T. E. Allibone, Ed., 3 Mar. 1972, 976
- The Imperial Animal*, L. Tiger and R. Fox, 21 Jan. 1972, 289
- Imperial Chemical Industries*, vol. 1, W. J. Reader, 14 May 1971, 697
- Impingement of Man on the Oceans*, D. W. Hood, Ed., 7 Apr. 1972, 38
- Inadvertent Climate Modification*, 7 Apr. 1972, 38
- Inorganic Reaction Mechanisms*, J. O. Edwards, Ed., 14 Apr. 1972, 156
- Insect Pollination of Crops*, J. B. Free, 18 June 1971, 1226
- The Insect Societies*, E. O. Wilson, 19 Nov. 1971, 811
- Intercorrelated Satellite Observations Related to Solar Events*, V. Manno and D. E. Page, Eds., 28 May 1971, 932
- Introduction to Meteorological Optics*, R. A. R. Tricker, 2 July 1971, 44
- Introduction to Phase Transitions and Critical Phenomena*, H. E. Stanley, 5 May 1972, 502
- Introduction to Quantitative Paleocology*, R. A. Reymont, 10 Mar. 1972, 1101
- Invertebrate Photoreceptors*, J. J. Wolken, 16 July 1971, 224
- Ionic Interactions*, S. Petrucci, Ed., 31 Mar. 1972, 1451
- The IQ Argument*, H. J. Eysenck, 17 Dec. 1971, 1223
- Isotope Effects in Chemical Reactions*, C. J. Collins and N. S. Bowman, Eds., 28 Apr. 1972, 399
- Japanese Society*, C. Nakane, 14 May 1971, 667
- Japan's Managerial System*, M. Y. Yoshino, 14 May 1971, 667
- Kidney Hormones*, J. W. Fisher, Ed., 29 Oct. 1971, 486
- Kinetic Theory of Vehicular Traffic*, I. Prigogine and R. Herman, 6 Aug. 1971, 513
- Kinship and Culture*, F. L. K. Hsu, Ed., 31 Mar. 1972, 1450

The Lactose Operon, J. R. Beckwith and D. Zipser, Eds., 9 July 1971, 136
Language and Poverty, F. Williams, Ed., 21 Apr. 1972, 270
Laser Interaction and Related Plasma Phenomena, H. J. Schwarz and H. Hora, Eds., 3 Dec. 1971, 1015
The Late Cenozoic Glacial Ages, K. K. Turekian, Ed., 3 Dec. 1971, 1016
Lazare Carnot, Savant, C. C. Gillispie, 17 Sept. 1971, 1118
Learning Foundations of Behavior Therapy, F. H. Kanfer and J. S. Phillips, 14 May 1971, 682
Lectures on Developmental Physiology, A. Kühn, 3 Mar. 1972, 980
Lectures on Elementary Particles and Quantum Field Theory, S. Deser, M. Grisaru, and H. Pendleton, Eds., 14 Jan. 1972, 159
The Life History and Ecology of the Gray Whale (*Eschrichtius robustus*), D. W. Rice and A. A. Wolman, 5 Nov. 1971, 577
The Life of Sharks, P. Budker, 8 Oct. 1971, 136
The Life of Wilhelm Conrad Röntgen, W. R. Nitske, 24 Sept. 1971, 1225
Lignins, K. V. Sarkanen and C. H. Ludwig, Eds., 3 Mar. 1972, 978
Lipid Metabolism, S. J. Wakil, Ed., 25 June 1971, 1324
Low Temperature Spectroscopy, B. Meyer, 11 Feb. 1972, 620
The Lysenko Affair, D. Joravsky, 28 May 1971, 929

Mach's Philosophy of Science, J. Bradley, 21 Apr. 1972, 271
Main Trends of Research in the Social and Human Sciences, part 1, 13 Aug. 1971, 619
The Mammalian Mitochondrial Respiratory Chain, W. W. Wainio, 14 Jan. 1972, 161
Man across the Sea, C. L. Riley, J. C. Kelley, C. W. Pennington, and R. L. Rands, Eds., 29 Oct. 1971, 484
Man and Atom, G. T. Seaborg and W. R. Corliss, 25 Feb. 1972, 872
Man and Beast, J. F. Eisenberg and W. S. Dillon, Eds., 3 Dec. 1971, 1013
Man's Impact on the Climate, W. H. Matthews, W. Kellogg, and G. D. Robinson, Eds., 7 Apr. 1972, 38
Marijuana—The New Prohibition, J. Kaplan, 14 May 1971, 703
Marine Ecology, vol. 1, part 1, O. Kinne, Ed., 18 June 1971, 1227
The Mathematical Papers of Isaac Newton, vol. 4, D. T. Whiteside, Ed., 16 July 1971, 222
McGraw-Hill Encyclopedia of Science and Technology, ed. 3, 14 May 1971, 688
Mechanisms of Animal Discrimination Learning, N. S. Sutherland and N. J. Mackintosh, 20 Aug. 1971, 715
The Medvedev Papers, Zh. A. Medvedev, 26 Nov. 1971, 937
Membranes and Ion Transport, E. E. Bitar, Ed., 28 Jan. 1972, 404
Memories, J. Huxley, 9 July 1971, 135
Metabolic Aspects of Food Safety, F. J. C. Roe, Ed., 27 Aug. 1971, 805
Methods in Mammalian Embryology, J. C. Daniel, Jr., Ed., 22 Oct. 1971, 399
The Metric System, M. Danloux-Dumesnils, 14 May 1971, 694
Microbial Control of Insects and Mites,

12 MAY 1972

BAUSCH & LOMB DYNAZOOM FULL FLAT FIELD



...the Big difference

Just take a look at a specimen through those eyepieces! See for yourself the outstanding improvement in total image quality. Bausch & Lomb's exclusive Flat Field Optical System puts out an image sharply in focus edge-to-edge at all magnifications. That's the big difference!

We urge you to try one. Write for catalog 31-185 and our free demonstration offer.

DynaZoom Reg. T.M. Bausch & Lomb

BAUSCH & LOMB 

SCIENTIFIC INSTRUMENT DIVISION

26405 Bausch Street, Rochester, New York 14602

Circle No. 42 on Readers' Service Card



**OXFORD
UNIVERSITY
PRESS**

The Theory of Relativity

Second Edition

By C. MØLLER.

20 text figures.

\$44.25

Magnetic Resonance in Metals

By J. WINTER. 43 text figures;
9 tables. (*International Series of
Monographs on Physics.*)

\$17.75

Nuclear Reactions & Nuclear Structure

By P. E. HODGSON. 278 text
figures, 34 tables. (*International
Series of Monographs on Physics.*)

\$46.50

Electronic Processes in Non-Crystalline Materials

By N. F. MOTT and E. A. DAVIS.
14 tables, 241 text figures.
(*International Series of
Monographs on Physics.*)

\$24.00

Underwater Science

*An Introduction to
Experiments by Divers*

Edited by J. D. WOODS and
J. N. LYTHGOE. 103 figures,
1 color plate.

\$13.00

Tyrosine Catabolism

*The Biochemical,
Physiological and Clinical
Significance of P-Hydroxy-
phenylpyruvate Oxidase*

By BRIAN L. GOODWIN.
6 text figures. (*Oxford Science
Research Papers.*)

Paper, **\$6.00**

Anatomy of the Monocotyledons

Volume VI: Dioscoreales

By E. S. AYENSU, *Smithsonian
Institution; General Editor C. R.
METCALFE.* 16 plates, 34 text
figures.

\$20.50

Introduction to Electricity

By L. T. AGGER; edited by
S. F. SMITH. 330 text figures.

\$20.50

OXFORD UNIVERSITY PRESS

200 Madison Avenue
New York, New York 10016

Circle No. 80 on Readers' Service Card

702

- H. D. Burges and N. W. Hussey, Eds.,
18 Feb. 1972, 745
- Microbial Toxins*, vols. 1, 2A, and 3, S.
J. Ajl, S. Kadis, and T. C. Montie, Eds.,
27 Aug. 1971, 805
- The Micropalaeontology of Oceans*, B. M.
Funnell and W. R. Riedel, Eds., 4 Feb.
1972, 509
- Mind, Brain and Adaptation in the Nine-
teenth Century*, R. M. Young, 10 Sept.
1971, 1013
- Minimal Brain Dysfunction in Children*,
P. H. Wender, 8 Oct. 1971, 135
- Modern Methods in the History of Medi-
cine*, E. Clarke, Ed., 5 Nov. 1971, 577
- Modern Practice of Liquid Chromatog-
raphy*, J. J. Kirkland, Ed., 29 Oct. 1971,
487
- Molecular Genetics*, G. S. Stent, 21 Jan.
1972, 289
- Molecular Properties of Drug Receptors*,
R. Porter and M. O'Connor, Eds., 4
Feb. 1972, 508
- Monographs and Papers in Maya Archae-
ology*, W. R. Bullard, Jr., Ed., 14 Jan.
1972, 158
- Monsoon Meteorology*, C. S. Ramage, 14
May 1971, 691
- Mountain Sheep*, V. Geist, 17 Mar. 1972,
1234
- Myelination*, A. N. Davison and A. Peters,
25 June 1971, 1323
- The Nature of Ball Lightning*, S. Singer,
7 Jan. 1972, 52
- Neal E. Miller: Selected Papers*, 25 Feb.
1972, 873
- Neuropsychopharmacology and the Affec-
tive Disorders*, J. J. Schildkraut, 24 Dec.
1971, 1317
- Neurotransmitter-Receptor Interactions*, D.
J. Triggle, 17 Mar. 1972, 1237
- New Aspects of Storage and Release
Mechanisms of Catecholamines*, H. J.
Schümann and G. Kroneberg, Eds., 16
July 1971, 223
- The Nucleolus*, H. Busch and K. Smetana,
19 Nov. 1971, 813
- Numerical Weather Prediction*, G. J. Hal-
tiner, 17 Mar. 1972, 1235
- Of Microbes and Life*, J. Monod and E.
Borek, 21 Apr. 1972, 271
- On the Phylogeny and the Ontogeny of
the Human Larynx*, J. Wind, 30 July
1971, 414
- Optical Holography*, R. J. Collier, C. B.
Burckhardt, and L. H. Lin, 31 Mar.
1972, 1453
- Optics, Painting, and Photography*, M. H.
Pirenne, 14 May 1971, 685
- The Organic Chemistry of Palladium*, P.
M. Maitlis, 24 Mar. 1972, 1354
- The Organization and Support of Scien-
tific Research and Development in Main-
land China*, Y. Wu and R. B. Sheeks,
14 May 1971, 669
- Organometallic Compounds of Arsenic,
Antimony, and Bismuth*, G. O. Doak
and L. D. Freeman, 6 Aug. 1971, 513
- Origin and Continuity of Cell Organelles*,
J. Reinert and H. Ursprung, Eds., 26
Nov. 1971, 938
- Origin of Eukaryotic Cells*, L. Margulis,
14 May 1971, 675
- The Origins of Alchemy in Graeco-Roman
Egypt*, J. Lindsay, 4 June 1971, 1017
- The Origins of Feedback Control*, O.
Mayr, 14 May 1971, 696

*Origins of Theoretical Population Genet-
ics*, W. B. Provine, 4 Feb. 1972, 507

Our Changing Coastlines, F. P. Shepard
and H. R. Wanless, 14 Jan. 1972, 158

Outcasts from Evolution, J. S. Haller, Jr.,
4 Feb. 1972, 506

- Palaeozoic Fishes*, ed. 2, J. A. Moy-Thom-
as, 10 Mar. 1972, 1102
- Parasitic Insects*, R. R. Askew, 25 Feb.
1972, 875
- Pedagogy of the Oppressed*, P. Freire, 14
May 1971, 671
- Peut-On Prévoir les Catastrophes Natu-
relles?*, M. Roubault, 30 July 1971, 415
- Phloem Transport in Plants*, A. S. Crafts
and C. E. Crisp, 12 Nov. 1971, 685
- Photobiology of Microorganisms*, P. Hall-
dal, Ed., 19 Nov. 1971, 814
- Photophysics of Aromatic Molecules*, J. B.
Birks, 5 Nov. 1971, 580
- Physical Processes in Geology*, A. M.
Johnson, 21 May 1971, 834
- Physics and Beyond*, W. Heisenberg, 14
May 1971, 687
- The Physics of Clouds*, ed. 2, B. J. Mason,
10 Dec. 1971, 1120
- Physics of Crystalline Dielectrics*, I. S.
Zheludev, 7 Jan. 1972, 53
- Physics of Hot Plasmas*, B. J. Rye and
J. C. Taylor, Eds., 24 Sept. 1971, 1225
- Physiological Correlates of Emotion*, P.
Black, Ed., 2 July 1971, 43
- The Pineal Gland*, G. E. W. Wolstenholme
and J. Knight, Eds., 11 Feb. 1972, 618
- The Pivot of the Four Quarters*, P. Wheat-
ley, 15 Oct. 1971, 281
- Plant Parasitic Nematodes*, B. M. Zucker-
man, W. F. Mai, and R. A. Rohde, Eds.,
12 Nov. 1971, 685
- Pleistocene and Recent Environments of
the Central Great Plains*, W. Dort, Jr.,
and J. K. Jones, Jr., Eds., 14 May
1971, 690
- Precipitation Scavenging (1970)*, 8 Oct.
1971, 137
- Prepare Now for a Metric Future*, F. Don-
ovan, 14 May 1971, 694
- Primate Behavior*, vol. 1, L. A. Rosen-
blum, Ed., 17 Sept. 1971, 1120
- Primate Societies*, H. Kummer, 1 Oct.
1971, 49
- Principles of Behavior Modification*, A.
Bandura, 14 May 1971, 682
- Principles of Chemical Sedimentology*, R.
A. Berner, 28 Jan. 1972, 406
- Principles of Mammalian Aging*, R. R.
Kohn, 7 Apr. 1972, 39
- Principles of Paleontology*, D. M. Raup
and S. M. Stanley, 4 June 1971, 1019
- Probability Models and Statistical Meth-
ods in Genetics*, R. C. Elandt-Johnson,
28 Jan. 1972, 405
- Probes of Structure and Function of Mac-
romolecules and Membranes*, B. Chance
et al., Eds., 14 Jan. 1972, 160
- Problems in Organic Reaction Mecha-
nisms*, H. Höver, 25 June 1971, 1325
- Progress in Parasitology*, P. C. C. Garn-
ham, 10 Sept. 1971, 1015
- Protein Metabolism of the Nervous Sys-
tem*, A. Lajtha, Ed., 9 July 1971, 137
- The Quality of Mercy*, S. Greenberg, 14
May 1971, 701
- Quantum Optics*, R. J. Glauber, Ed., 25
June 1971, 1326
- Quantum Optics*, S. M. Kay and A. Mait-
land, Eds., 25 June 1971, 1326

SCIENCE, VOL. 176

Quantum Theory and Beyond, T. Bastin, Ed., 25 Feb. 1972, 871

The Radiation Chemistry of Water, I. G. Draganić and Z. D. Draganić, 3 Mar. 1972, 978

Radiocarbon Variations and Absolute Chronology, I. U. Olsson, Ed., 13 Aug. 1971, 620

Rapid Population Growth, National Academy of Sciences, 18 Feb. 1972, 743

Reactions under Plasma Conditions, M. Venugopalan, Ed., 24 Dec. 1971, 1318

Recent Advances in Adrenergic Mechanisms, B. D. Bhagat, 14 Apr. 1972, 156

Reconstructing Prehistoric Pueblo Societies, W. A. Longacre, Ed., 18 June 1971, 1225

Regeneration, S. M. Rose, 22 Oct. 1971, 398

Relativistic Astrophysics, vol. 1, Ya. B. Zeldovich and I. D. Novikov, 18 Feb. 1972, 746

Relativity and Gravitation, C. G. Kuper and A. Peres, Eds., 11 Feb. 1972, 621

Reproduction in the United States, 1965, N. B. Ryder and C. F. Westoff, 21 Jan. 1972, 291

Research in the Antarctic, L. O. Quam and H. D. Porter, Eds., 24 Dec. 1971, 1316

The Revolt of the Engineers, E. T. Layton, Jr., 15 Oct. 1971, 280

The Road to Medical Enlightenment, 1650-1695, L. S. King, 11 June 1971, 1121

Robert Hooke's Contributions to Mechanics, F. F. Centore, 1 Oct. 1971, 51

Rock Weathering, D. Carroll, 4 June 1971, 1020

The Role of Nucleotides for the Function and Conformation of Enzymes, H. M. Kalckar, H. Klenow, A. Munch-Petersen, M. Ottesen, and J. H. Thaysen, Eds., 2 July 1971, 44

Salt Deposits, O. Braitsch, 20 Aug. 1971, 713

Scanning Electron Microscopy, V. H. Heywood, Ed., 1 Oct. 1971, 50

Science and Archaeology, R. H. Brill, Ed., 3 Mar. 1972, 976

Science and Civilisation in China, vol. 4, part 3, J. Needham, 7 Jan. 1972, 50

Science et Politique, J.-J. Salomon, 14 May 1971, 670

Science in America, J. C. Burnham, Ed., 22 Oct. 1971, 396

Science in American Society, G. H. Daniels, 22 Oct. 1971, 396

Science, Scientists, and Public Policy, D. Schooler, Jr., 24 Mar. 1972, 1351

Scientific Methods in Medieval Archaeology, R. Berger, Ed., 3 Mar. 1972, 976

Scientists and the Sea, 1650-1900, M. Deacon, 10 Dec. 1971, 1118

The Sea, vol. 4, A. E. Maxwell, Ed., 7 Jan. 1972, 52

Sensory Processes at the Neuronal and Behavioral Levels, G. V. Gersuni, Ed., 24 Dec. 1971, 1318

Single Agents in Cancer Chemotherapy, R. B. Livingston and S. K. Carter, 23 July 1971, 318

6-Hydroxydopamine and Catecholamine Neurons, T. Malmfors and H. Thoenen, Eds., 28 Jan. 1972, 403

Social Change and the Individual, K. Tsurumi, 14 May 1971, 667

Social Groups of Monkeys, Apes and Men, M. R. A. Chance and C. J. Jolly, 14 May 1971, 680

A Sociology of Sociology, R. W. Friedrichs, 14 May 1971, 661

A Special Interest, L. Greenbaum, 28 Apr. 1972, 396

Spectrochemical Methods of Analysis, J. D. Winefordner, Ed., 4 Feb. 1972, 511

Spectroscopy in Inorganic Chemistry, C. N. R. Rao and J. R. Ferraro, Eds., 20 Aug. 1971, 714

Statistical Ecology, vol. 1, G. P. Patil, E. C. Pielou, and W. E. Waters, Eds., 14 Apr. 1972, 156

Statistical Fluid Mechanics, A. S. Monin and A. M. Yaglom, 5 May 1972, 503

The Structure of Nematodes, A. F. Bird, 12 Nov. 1971, 685

The Structure of Scientific Revolutions, ed. 2, T. S. Kuhn, 14 May 1971, 706

Symmetry of Crystals, E. S. Federov, 10 Mar. 1972, 1098

Synthetic Polymeric Membranes, R. E. Kesting, 18 Feb. 1972, 747

Systems Analysis and Simulation in Ecology, vol. 1, B. C. Patten, Ed., 18 Feb. 1972, 742

Technology in the Ancient World, H. Hodges, 14 May 1971, 696

Termites and Soils, K. E. Lee and T. G. Wood, 25 Feb. 1972, 876

Terpenoids and Steroids, vol. 1, K. H. Overton et al., 17 Mar. 1972, 1236

Terrestrial Slugs, N. W. Runham and P. J. Hunter, 3 Sept. 1971, 904

Theoretical Aspects of Population Genetics, M. Kimura and T. Ohta, 18 Feb. 1972, 744

Think Tanks, P. Dickson, 14 Jan. 1972, 162

The Times Atlas of the Moon, H. A. G. Lewis, Ed., 20 Aug. 1971, 712

A Tropical Rain Forest, H. T. Odum and R. F. Pigeon, Eds., 21 May 1971, 831

Uses of Marijuana, S. H. Snyder, 26 Nov. 1971, 935

The Uses of Talent, D. Wolfe, 3 Dec. 1971, 1015

Vertebrate Paleozoology, E. C. Olson, 17 Mar. 1972, 1237

Visual Perception of Form, L. Zusne, 1 Oct. 1971, 50

Visual Prothesis, T. D. Sterling, E. A. Bering, Jr., S. V. Pollack, and J. F. Vaughan, Jr., Eds., 10 Sept. 1971, 1014

Volcanic Landforms and Surface Features, J. Green and N. M. Short, Eds., 11 Feb. 1972, 622

Wanderings of a Biochemist, F. Lipmann, 24 Sept. 1971, 1226

The Water Hustlers, R. H. Boyle, J. Graves, and T. H. Watkins, 28 Jan. 1972, 400

White Attitudes toward Black People, A. Campbell, 18 Feb. 1972, 743

William Harvey and the Circulation of the Blood, G. Whitteridge, 17 Sept. 1971, 1119

William Morton Wheeler, Biologist, M. A. Evans and H. E. Evans, 14 May 1971, 679

World Dynamics, J. W. Forrester, 3 Dec. 1971, 1014



**OXFORD
UNIVERSITY
PRESS**

Heredity and Development *Second Edition*

By JOHN A. MOORE, *University of California, Riverside*.
1972 304 pp. 95 illus. paper \$2.95

Readings in Heredity and Development

Edited by JOHN A. MOORE.
1972 352 pp. 63 illus. paper \$3.95

Textbook of Human Genetics

By MAX LEVITAN
Mount Sinai School of Medicine, New York, and
ASHLEY MONTAGU.
1971 936 pp. 279 illus. \$15.00

A Dictionary of Genetics *Second Edition*

By ROBERT C. KING
Northwestern University.
1972 368 pp. 159 illus. paper \$4.95

Invertebrate Zoology *Second Edition*

By PAUL A. MEGLITSCH
Drake University.
1972 896 pp. illus. \$12.50

Crystal Structure Analysis *A Primer*

By JENNY PICKWORTH
GLUSKER, *Institute for Cancer Research, Philadelphia, and*
KENNETH N. TRUEBLOOD,
University of California, Los Angeles.
1972 224 pp. 39 illus. cloth \$10.00
paper \$4.50

Introduction to Phase Transitions and Critical Phenomena

By H. EUGENE STANLEY
Massachusetts Institute of Technology.
1971 306 pp. 105 illus. \$9.50

OXFORD UNIVERSITY PRESS
200 Madison Avenue
New York, New York 10016

Circle No. 81 on Readers' Service Card