



Pottery kiln from Yarim Tepe II. [From *Early Stages in the Evolution of Mesopotamian Civilization*]

actually to work with the materials.

This book is the first tangible result of the exchange conferences between Soviet and American archeologists (in the United States in 1981 and in Uzbekistan in 1983) arranged by the International Research and Exchanges Board. The Board spent its money wisely.

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## Corrections

In the heading of Philip Pauly's review of Robert E. Kohler's *Lords of the Fly* (15 April, p. 445) the subtitle of the book was listed incorrectly. The correct subtitle is "*Drosophila* Genetics and the Experimental Life."

In "Women in Science: Some Books of the Year" (11 March, p. 1458) the name of the senior editor of second edition of *The History of Women and Science, Health, and Technology* should have been given as Phyllis Holman Weisbard, and the name of the editor of the first edition should have been given as Susan Searing. Also, the statement that the author of *A Matter of Choices: Memoirs of a Female Physicist*, Fay Ajzenberg-Selove, is now retired was incorrect.



## Books Received

**A-Bomb Radiation Effects Digest.** Itsuzo Shigematsu *et al.*, Eds. Harwood, Langhorne, PA, 1993 (distributor, International Publishers Distributor, Langhorne, PA). vi, 37 pp., illus. Paper, \$30 or £20. Synopsis of *Effects of A-Bomb Radiation on the Human Body*. Translated from the Japanese by Brian Harrison.

**Acidification of Freshwater Ecosystems.** Implications for the Future. C. E. W. Steinberg and R. F. Wright, Eds. Published for Freie Universität Berlin by Wiley, New York, 1994. xvi, 404 pp., illus. \$157. Environmental Sciences Research Report ES 14. From a workshop, Berlin, Sept. 1992.

**The Adhesion Molecule FactsBook.** Rod Pigott and Christine Power. Academic Press, San Diego, CA, 1994. viii, 190 pp., illus. Paper, \$19.50. FactsBook Series.

**Arsenic in the Environment.** Part 1, Cycling and Characterization. Jerome O. Nriagu, Ed. Wiley, New

York, 1994. xvi, 430 pp., illus. \$95. Advances in Environmental Science and Technology, vol. 26.

**Asteraceae.** Cladistics and Classification. Kåre Bremer with assistance of Arne A. Anderberg *et al.* Timber Press, Portland, OR, 1994. vi, 752 pp., illus. \$79.95.

**Astrophysical Jets.** Denis Burgarella, Mario Livio, and Chris O'Dea, Eds. Published for the Space Telescope Science Institute by Cambridge University Press, New York, 1994. xii, 315 pp., illus. \$59.95. Space Telescope Science Institute Symposium Series, 6. From a symposium, Baltimore, MD, May 1992.

**Asymmetric Catalysis in Organic Synthesis.** Ryoji Noyori. Wiley, New York, 1994. xx, 378 pp., illus. \$54.95. George Fisher Baker Non-Resident Lectureship in Chemistry at Cornell University.

**Atoms, Metaphors and Paradoxes.** Niels Bohr and the Construction of a New Physics. Sandro Petruccioli. Cambridge University Press, New York, 1994. viii, 241 pp. \$49.95. Translated from the Italian by Ian McGilvray.

**Bacillus thuringiensis.** An Environmental Biopesticide. Theory and Practice. Philip F. Entwistle *et al.*, Eds. Wiley, New York, 1994. xviii, 311 pp., illus. \$95.

**Banach Algebras and the General Theory of \*-Algebras.** Vol. 1, Algebras and Banach Algebras. Theodore W. Palmer. Cambridge University Press, New York, 1994. xii, 794 pp. \$89.95. Encyclopedia of Mathematics and Its Applications, vol. 49.

**The Basal Ganglia IV.** New Ideas and Data on Structure and Function. Gérard Percheron, John S. McKenzie, and Jean Féger, Eds. Plenum, New York, 1994. xiv, 616 pp., illus. \$125. Advances in Behavioral Biology, vol. 41. From a meeting, Giens, Var, France, Oct. 1992.

**Biology of Adventitious Root Formation.** Tim D. Davis and Bruce E. Haissig, Eds. Plenum, New York, 1994. xiv, 343 pp., illus. \$89.50. Basic Life Sciences, vol. 62. From a symposium, Dallas, TX, April 1993.

**Cerebral Cortex.** Vol. 10, Primary Visual Cortex in Primates. Alan Peters and Kathleen S. Rockland, Eds. Plenum, New York, 1994. xx, 555 pp., illus. \$115.

**Chancellor at Berkeley.** Glenn T. Seaborg with Ray Colvig. Institute of Governmental Studies Press, Berkeley, CA, 1994. xx, 718 pp. + plates. Paper, \$34.50.

**Chemical Dynamics at Low Temperature.** Victor A. Benderskii, Dmitrii E. Makarov, and Charles A. Wight. Wiley, New York, 1994. xii, 385 pp., illus. \$74.95. Advances in Chemical Physics, vol. 88.

**Chemistry and Biology of (1→3)-β-Glucans.** Bruce A. Stone and Adrienne E. Clarke. La Trobe University Press, Victoria, Australia, 1992. viii, 803 pp., illus. A\$175.

**The Chronological Annotated Bibliography of Order Statistics.** Vol. 8, Indices, with a Supplement on 1970–1992. H. Leon Harter with N. Balakrishnan. American Sciences Press, Columbus, OH, 1994. viii, 267 pp., illus. Paper, \$110. American Sciences Press Series in Mathematical and Management Sciences, vol. 24.

**The Collected Papers of Albert Einstein.** Vol. 3, The Swiss Years. Writings, 1909–1911. Martin J. Klein *et al.*, Eds. Princeton University Press, Princeton, NJ, 1994. xxxvi, 644 pp., illus. \$85 or £65. Translation by Anna Beck, xiv, 437 pp., illus. Paper, \$29.95 or £19.50.

**Culture and Human Development.** The Selected Papers of John Whiting. Eleanor Hollenberg Chasdi, Ed. Cambridge University Press, New York, 1994. xiv, 358 pp., illus. \$59.95. Publications of the Society for Psychological Anthropology, 6.

**Culture and Human Nature.** Melford E. Spiro. Benjamin Kilborne and L. L. Langness, Eds. Transaction, New Brunswick, NJ, 1994. xxxii, 309 pp., illus. Paper, \$21.95. Augmented reprint, 1987 ed.

**"Daddy's Gone to War".** The Second World War in the Lives of America's Children. William M. Tuttle, Jr. Oxford University Press, New York, 1994. xvi, 365 pp. \$30.

**The Danger from Strangers.** Confronting the Threat of Assault. James D. Brewer. Plenum, New York, 1994. xvi, 267 pp., illus. \$22.95.

**Darwin Machines and the Nature of Knowledge.** Henry Plotkin. Harvard University Press, Cambridge, MA, 1994. xviii, 269 pp. \$24.

**Darwinism, War and History.** The Debate Over the Biology of War From the "Origin of Species" to the First World War. Paul Crook. Cambridge University Press, New York, 1994. xii, 306 pp. \$64.95; paper, \$27.95.

**Dazzle 'Em with Style.** The Art of Oral Scientific Presentation. Robert R. H. Anholt. Freeman, New York, 1994. xiv, 200 pp., illus. Paper, \$11.95.

**Ecological Genetics.** Leslie A. Real, Ed. Princeton University Press, Princeton, NJ, 1994. xvi, 238 pp., illus. \$49.50 or £40; paper, \$24.95 or £18.50.

**Eight Little Piggies.** Reflections in Natural History. Stephen Jay Gould. Norton, New York, 1994. 479 pp., illus. Paper, \$10.95. Reprint, 1993 ed.

**Einstein Lived Here.** Abraham Pais. Oxford University Press, New York, 1994. xviii, 282 pp., illus. \$25.

**Electronic Structure of Refractory Carbides and Nitrides.** V. A. Gubanov, A. L. Ivanovsky, and V. P. Zhukov. Cambridge University Press, New York, 1994. xiv, 256 pp., illus. \$79.95. Translated from the Russian edition (Moscow, 1990).

**Elementary Probability.** David Stirzaker. Cambridge University Press, New York, 1994. x, 406 pp., illus. \$64.95; paper, \$24.95.

**Encyclopedia of Antibiotics.** John S. Glasby. 3rd ed. Wiley, New York, 1994. vi, 515 pp., illus. \$225.

**Encyclopedia of Human Behavior.** V. S. Ramachandran, Ed. Academic Press, San Diego, CA, 1994. 4 vols. Vol. 1, xviii, 728 pp., illus. Vol. 2, viii, 707 pp., illus. Vol. 3, vi, 679 pp., illus. Vol. 4, vi, 651 pp., illus. The set, \$499.

**Faces in the Clouds.** A New Theory of Religion. Stewart Elliott Guthrie. Oxford University Press, New York, 1994. xii, 290 pp., illus., + plates. \$30.

**Factors of Soil Formation.** A Fiftieth Anniversary Retrospective. Ronald Amundson *et al.*, Eds. Soil Science Society of America, Madison, WI, 1994. xviii, 160 pp., illus. Paper, \$24; to SSSA members, \$20. SSSA Special Publication no. 33. From a symposium, Denver, CO, Oct. 1991.

**The Faith of a Physicist.** Reflections of a Bottom-Up Thinker. The Gifford Lectures for 1993–4. John Polkinghorne. Princeton University Press, Princeton, NJ, 1994. x, 211 pp. \$24.95.

**The Falling Sickness.** A History of Epilepsy from the Greeks to the Beginnings of Modern Neurology. Owsei Temkin. Johns Hopkins University Press, Baltimore, MD, 1994. xviii, 467 pp., illus. Paper, \$24.95. Reprint, 1971 ed.

**Gender Development.** Susan Golombok and Robyn Fivush. Cambridge University Press, New York, 1994. xii, 275 pp., illus. \$49.95; paper, \$16.95.

**Genes and Human Self-Knowledge.** Historical and Philosophical Reflections on Modern Genetics. Robert F. Weir, Susan C. Lawrence, and Evan Fales, Eds. University of Iowa Press, Iowa City, 1994. xx, 248 pp., illus. \$29.95; paper, \$14.95.

**Geostatistics for the Next Century.** Roussos Dimitrakopoulos, Ed. Kluwer, Norwell, MA, 1993. xxvi, 497 pp., illus. \$194 or £128 or Dfl. 320. Quantitative Geology and Geostatistics, vol. 6. From a forum, Montreal, June 1993.

**Global Ecology.** Environmental Change and Social Flexibility. Vaclav Smil. Routledge, New York, 1994. xiv, 240 pp., illus. \$59.95; paper, \$17.95.

**A History of Vector Analysis.** The Evolution of the Idea of a Vectorial System. Michael J. Crowe. Dover, New York, 1994. xviii, 270 pp., illus. Paper, \$7.95. Augmented reprint, 1967 ed.

**Handbook of Pattern Recognition and Image Processing.** Vol. 2, Computer Vision. Tzay Y. Young, Ed. Academic Press, San Diego, CA, 1994. xvi, 584 pp., illus. \$85.

**Handshake Circuits.** An Asynchronous Architecture for VLSI Programming. Kees van Berkel. Cambridge University Press, New York, 1994. xiv, 225 pp., illus. \$39.95. Cambridge International Series on Parallel Computation, 5.

**Health Psychology.** Biopsychosocial Interactions. Edward P. Sarafino. 2nd ed. Wiley, New York, 1994. xxiv, 592 pp., illus. \$55.95.

**Hen's Teeth and Horse's Toes.** Stephen Jay Gould. Norton, New York, 1994. 413 pp., illus. Paper, \$10.95. Reprint, 1983 ed.

**High Performance Liquid Chromatography in Neuroscience Research.** R. Bruce Holman, Alan J.

Cross, and Michael H. Joseph, Eds. Wiley, New York, 1994. xviii, 369 pp., illus. \$79.95. IBRO Handbook Series, vol. 15.

**Human Adaptation.** G. A. Harrison, Ed. Oxford University Press, New York, 1993. xii, 155 pp., illus. \$45. Biosocial Society Series, 6. From a workshop, Oxford, U.K., May 1992.

**Hydrodynamics of Ship Propellers.** John P. Breslin and Poul Andersen. Cambridge University Press, New York, 1994. xxiv, 559 pp., illus. \$100. Cambridge Ocean Technology Series, 3.

**The Incas.** People of the Sun. Carmen Bernard. Abrams, New York, 1994. 192 pp., illus. \$12.95. Discoveries. Translated from the French.

**Incineration of Hazardous Waste 2.** Toxic Combustion By-Products. Wm. Randall Seeker and Catherine P. Koshland, Eds. Gordon and Breach, Philadelphia, 1994 (distributor, International Publishers Distributor, Langhorne, PA). x, 612 pp., illus. \$135 or £88. Incineration of Hazardous Waste Series. From a congress, Salt Lake City, UT, March 1991.

**Individual and Community Responses to Trauma and Disaster.** The Structure of Human Chaos. Robert J. Ursano, Brian G. McCaughy, and Carol S. Fullerton, Eds. Cambridge University Press, New York, 1994. xvi, 422 pp., illus. \$89.95.

**The Knot Book.** An Elementary Introduction to the Mathematical Theory of Knots. Colin C. Adams. Freeman, New York, 1994. xiv, 306 pp., illus. \$32.95.

**Labrador Winter.** The Ethnographic Journals of William Duncan Strong, 1927-1928. Eleanor B. Leacock and Nan A. Rothschild, Eds. Smithsonian Institution Press, Washington, DC, 1994. xxvi, 235 pp., illus. \$45.

**Lacrimal Gland, Tear Film, and Dry Eye Syndromes.** Basic Science and Clinical Relevance. David A. Sullivan *et al.*, Eds. Plenum, New York, 1994. xxii, 729 pp., illus. \$145. Advances in Experimental Medicine and Biology, vol. 350. From a conference, Southampton, Bermuda, Nov. 1992.

**Land Degradation.** Development and Breakdown of Terrestrial Environments. C. J. Barrow. Cambridge University Press, New York, 1994. xviii, 295 pp., illus. Paper, \$29.95. Revised reprint, 1991 ed.

**The Making of a Soviet Scientist.** My Adventures in Nuclear Fusion and Space From Stalin to Star Wars. Roald Z. Sagdeev. Susan Eisenhower, Ed. Wiley, New York, 1994. xii, 339 pp. \$24.95.

**The Mathematical Traveler.** Exploring the Grand History of Numbers. Calvin C. Clawson. Plenum, New York, 1994. x, 307 pp., illus. \$25.95.

**Metaphor and Thought.** Andrew Ortony, Ed. 2nd ed. Cambridge University Press, New York, 1994. xvi, 678 pp. \$69.95; paper, \$29.95.

**Methods for Protein Analysis.** A Practical Guide to Laboratory Protocols. Robert A. Copeland. Chapman and Hall, New York, 1994. xii, 228 pp., illus. Spiral bound, \$49.95.

**Methods in Enzymology.** Vol. 231, Hemoglobins. Part B, Biochemical and Analytical Methods. Johannes Everse, Kim D. Vandegriff, and Robert M. Winslow, Eds. Academic Press, San Diego, CA, 1994. xxx, 743 pp., illus. \$105.

**The Nature of Compact Objects in Active Galactic Nuclei.** Andrew Robinson and Roberto Terlevich, Eds. Cambridge University Press, New York, 1994. xx, 435 pp., illus. \$59.95. From a conference, Cambridge, U.K., July 1992.

**Neutrinos in Physics and Astrophysics.** Chung Wook Kim and Aihud Pevsner. Harwood, Langhorne, PA, 1994 (distributor, International Publishers Distributor, Langhorne, PA). xxvi, 429 pp., illus. \$59 or £38; paper, \$28 or £18. Contemporary Concepts in Physics, vol. 8.

**Neutron Radiography (4).** Including Radioscopy and Complementary Inspection Methods Using Neutrons. John P. Barton, Ed. Gordon and Breach, Philadelphia, 1994 (distributor, International Publishers Distributor, Langhorne, PA). xxvi, 878 pp., illus. \$215 or £140. From a conference, San Francisco, May 1992.

**Object-Oriented Graphics Programming in C++.** Roger T. Stevens. AP Professional (Academic), Cambridge, MA, 1994. xii, 498 pp., illus., + diskette. Paper, \$39.95.

**Oil in Troubled Waters.** Perceptions, Politics, and the Battle Over Offshore Drilling. William R. Freuden-

burg and Robert Gramling. State University of New York Press, Albany, 1994. xvi, 179 pp., illus. \$16.95. SUNY Series in Environmental Public Policy.

**Orbital Interaction Theory of Organic Chemistry.** Arvi Rauk. Wiley, New York, 1994. xviii, 307 pp., illus. \$54.95.

**Palaeozoic Vertebrate Biostratigraphy and Biogeography.** John A. Long, Ed. Johns Hopkins University Press, Baltimore, MD, 1994. xiv, 369 pp., illus. Paper, \$40.

**Partial Differential Equations in Classical Mathematical Physics.** Isaak Rubinstein and Lev Rubinstein. Cambridge University Press, New York, 1994. xiv, 676 pp., illus. \$94.95.

**Patty's Industrial Hygiene and Toxicology.** Vol. 3, Part A, Theory and Rationale of Industrial Hygiene Practice. The Work Environment. Robert H. Harris, Lewis J. Cralley, and Lester V. Cralley, Eds. 3rd ed. Wiley, New York, 1994. xii, 849 pp., illus. \$195.

**Peasant Economics.** Farm Households and Agrarian Development. Frank Ellis. 2nd ed. Cambridge University Press, New York, 1994. xviii, 309 pp., illus. Paper, \$32.95. Wye Studies in Agricultural and Rural Development.

**Quantum Fields on a Lattice.** István Montvay and Gernot Münster. Cambridge University Press, New York, 1994. xiv, 491 pp., illus. \$100. Cambridge Monographs on Mathematical Physics.

**Quantum Mechanics on the Personal Computer.** S. Brandt and H. D. Dahmen. 3rd ed. Springer-Verlag, New York, 1994. xiv, 314 pp., illus., + diskette. \$59.

**Quaternary Insects and Their Environments.** Scott A. Elias. Smithsonian Institution Press, Washington, DC, 1994. xvi, 284 pp., illus. \$40.

**Reducing Risks for Mental Disorders.** Frontiers for Preventive Intervention Research. Patricia J. Mrazek and Robert J. Haggerty, Eds. National Academy Press, Washington, DC, 1994. xxx, 605 pp., illus. \$49.95.

**Relativistic and Electron Correlation Effects in Molecules and Solids.** G. L. Malli, Ed. Plenum, New York, 1994. viii, 478 pp., illus. \$129.50. NATO Advanced Science Institutes Series B, vol. 318. From an institute, Vancouver, British Columbia, Canada, Aug. 1992.

**Renaissance and Revolution.** Humanists, Scholars, Craftsmen and Natural Philosophers in Early Modern Europe. J. V. Field and Frank A. J. L. James, Eds. Cambridge University Press, New York, 1994. xvi, 291 pp., illus. \$49.95. From a meeting, Oxford, U.K., 1990.

**Reporting on Cancer.** A Guide for Journalists. Darrell E. Ward. Ohio State University Comprehensive Cancer Center, Columbus, and Arthur G. James Cancer Hospital and Research Institute, Columbus, OH, 1994. vi, 110 pp., illus. Spiral bound.

**Sample Preparation for Biomedical and Envi-**

**ronmental Analysis.** D. Stevenson and I. D. Wilson, Eds. Plenum, New York, 1994. x, 246 pp., illus. \$75. Chromatographic Society Symposium Series. From a symposium, Guildford, Surrey, U.K., July 1991.

**Schur Algebras and Representation Theory.** Stuart Martin. Cambridge University Press, New York, 1994. xvi, 232 pp. \$44.95. Cambridge Tracts in Mathematics, 112.

**Science and Practice in Clinical Neurology.** S. C. Gandevia, D. Burke, and M. Anthony, Eds. Cambridge University Press, New York, 1994. xviii, 453 pp., illus. \$59.95.

**Seeing, Reaching, Touching.** The Relations Between Vision and Touch in Infancy. Arlette Streri. MIT Press, Cambridge, MA, 1994. xvi, 224 pp., illus. \$29.95. Translated from the French edition (1991) by Tim Pownall and Susan Kingerlee.

**Tamoxifen and Breast Cancer.** Michael W. DeGregorio and Valerie J. Wiebe. Yale University Press, New Haven, CT, 1994. xii, 112 pp., illus. \$22.50; paper, \$10. Yale Fastback.

**Tcl and the Tk Toolkit.** John K. Ousterhout. Addison-Wesley, Reading, MA, 1994. xx, 458 pp., illus. Paper, \$36.75. Addison-Wesley Professional Computing Series.

**Tootihuacan.** Art from the City of the Gods. Kathleen Berrin and Esther Pasztory, Eds. Thames and Hudson, New York, 1994 (distributor, Norton, New York). 288 pp., illus. Paper, \$24.95. Reprint, 1993 ed.

**Theoretical and Applied Mechanics.** Vol. 42. Motoo Hori and Shoichi Kobayashi, Eds. University of Tokyo Press, Tokyo, 1994 (distributor, Columbia University Press, New York). x, 339 pp., illus. \$160. From a congress, Tokyo, Jan. 1993.

**Universe Down to Earth.** Neil de Grasse Tyson. Columbia University Press, New York, 1994. xvi, 277 pp., illus. \$29.95.

**Vessels of Rage, Engines of Power.** The Secret History of Alcoholism. James Graham. Aculeus, Lexington, VA, 1994. xx, 235 pp. \$21.95; paper, \$12.95.

**Visual Perception.** A Clinical Orientation. Steven H. Schwartz. Appleton and Lange, Norwalk, CT, 1994. xvi, 384 pp., illus. \$55.

**The Vulnerable Brain and Environmental Risks.** Vol. 3, Toxins in Air and Water. Robert L. Isaacson and Karl F. Jensen, Eds. Plenum, New York, 1994. xxvi, 358 pp., illus. \$79.50.

**What About Me?** Growing Up With a Developmentally Disabled Sibling. Bryna Siegel and Stuart Silverstein. Plenum, New York, 1994. xx, 296 pp., illus. \$24.95.

**What Is Intelligence?** Jean Khalfa, Ed. Cambridge University Press, New York, 1994. vi, 207 pp., illus. \$29.95. Darwin College Lectures.

**When Memory Fails.** Helping the Alzheimer's and Dementia Patient. Allen Jack Edwards. Plenum, New York, 1994. xiv, 282 pp., illus. \$27.95.

## Vignettes: Chemical Nomenclature

The language of chemistry before Lavoisier was full of mystery and ambiguity. Flowers of zinc, diaphoretic antimony, butter of antimony, powder of algaroth, vitriolated tartar, and ethiops per se were among the names no longer familiar to modern chemists.

—Mary Jo Nye, in *From Chemical Philosophy to Theoretical Chemistry: Dynamics of Matter and Dynamics of Disciplines, 1800-1950* (University of California Press)

Anyone born in the acrid atmosphere of Broken Hill [New South Wales] is destined to either love chemistry or hate it. A sultry, battered mining town, its streets are a veritable periodic table: Chloride Street connects with Sulphide, Oxide and Silica Streets, while "Cobalt Sulphide" can be used as a map reference for a lover's tryst.

—William H. Brock, in *The Norton History of Chemistry* (Norton)