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out they were wrong in their suspicion of him.

As the story unfolds we are led from his life as a child of an immigrant family in the 1920s, through his time at the University of Chicago in the 1930s and to his work at the Radiation Lab at Berkeley under Lawrence's hard-driving leadership in the late thirties and into the war period. Kamen describes how his skill in working with radioactive tracers drew him toward biology, and how his work gradually transcended a particular technique and moved toward an understanding of energy-transfer processes in living cells. He also gives entertaining glimpses of his musical life and a perceptive account of the great events going on around him.

The last chapters are the most remarkable. I have not seen before a commentary on Lawrence and Oppenheimer that so clearly brings them into focus. They were simpler men than we supposed. But the most impressive person portrayed in these chapters is the author himself. Here he was, passionately busy with photosynthetic bacteria, while at the same time fighting off Congressional investigators and media types determined to get him fired or jailed, as well as the Department of State, which sought to deprive him of the right to travel. Yet meanwhile he still played quartets now and then and kept his sense of humor. As he makes clear, he could not have won his battles without strong friends and supporters. But the victories could not have been achieved by, and for, a lesser man, and they have benefited us all.

A reader looking for a portrait of this critical era through the eyes of a participant could hardly do better. The brief introduction by Edward McMillan is also well worth reading.

JAMES R. ARNOLD
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new books

Particles, Nuclei and High-Energy Physics

Proceedings of the Winter College on Fundamental Nuclear Physics. (3 Vols.) Proc. Wint. College, Trieste, Italy, February–March 1984. K. Dietrich, M. Di Toro, H. J. Mang, eds. 1972 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$184.00

Proceedings of the International Conference on Nuclear Physics. Proc. Conf., Bombay, December 1984. B. K. Jain, B. C. Sinha, eds. 541 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$90.00

Coincident Particle Emission from Continuum States in Nuclei. Proc. Wksp., Bad Honnef, W. Germany, June 1984. H. Machner, P. Jahn, eds. 628 pp. World

Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$75.00

Few-Body Problems in Physics. Proc. Conf., Tbilisi, Georgia, USSR, August 1984. L. D. Faddeev, T. I. Kopaleishvili, eds. 532 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$67.00

Hadron Spectroscopy—1985. *AIP Conference Proceedings 132.* Proc. Int. Conf., College Park, Md., April 1985. S. Oneda, ed. 485 pp. AIP, New York, 1985. \$49.75

Heavy Ion Fusion. Proc. Int. Symp., Tsukuba, Japan, September 1984. K. Furuno, T. Kishimoto, eds. 448 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$49.00

Perspectives in Particles and Fields. *NATO ASI Series.* Proc. Sum. Inst., Cargèse, France, July 1983. M. Lévy, J.-L. Basdevant, D. Speiser, J. Weyers, M. Jacob, R. Gastmans, eds. 598 pp. Plenum, New York, 1985. \$95.00

Progress in Particle and Nuclear Physics, Vol. 14. A. Faessler, ed. 346 pp. Pergamon, New York, 1985. \$102.00. *Compendium*

Quark Confinement and Liberation: Numerical Results and Theory. Proc. Conf., Berkeley, May 1985. F. R. Klinkhamer, M. B. Halpern, eds. 250 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$75.00

Quark Model and High Energy Collisions. V. V. Anisovich, M. N. Kobrinsky, J. Nyiri, Yu. M. Shabelski. 435 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$35.00. *Monograph*

Solitons and Particles. C. Rebbi, G. Solian, eds. 819 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$75.00 hardcover; \$33.00 paper. *Compendium*

The Santa Fe Meeting. Proc. Mtg. Div. of Particles and Fields APS, Santa Fe, October–November 1984. T. Goldman, M. M. Nieto, eds. 543 pp. World Scientific, Singapore (US dist. Taylor and Francis, Philadelphia), 1985. \$67.00

The State of High Energy Physics. *AIP Conference Proceedings 134.* M. Month, P. F. Dahl, M. Dienes, eds. 376 pp. AIP, New York, 1985. \$46.00

Student Texts and Popularizations

The Mechanical Universe: Introduction to Mechanics and Heat. R. P. Olenick, T. M. Apostol, D. L. Goodstein. 584 pp. Cambridge U.P., New York, 1985. \$24.95

Evolution of Matter and Energy on a Cosmic and Planetary Scale. M. Taube. 289 pp. Springer-Verlag, New York, 1985. \$24.00. *Introductory text*

Introduction to Concepts and Theories in Physical Science. Second edition. G. Holton, S. G. Brush. 589 pp. Princeton U.P., Princeton, N.J., 1985. \$19.95. *Text*

Physics with Health Science Applications. P. P. Urone. 496 pp. Harper and Row, New York, 1985. \$20.50. *Introductory text* □