and there is no compilation of symbols. Some technical terms are missing in the subject index. Because the book is intended not only as a textbook but also as a reference work, these omissions are serious and should be corrected in subsequent volumes of the *Encyclopedia of Mathematics and Its Applications*, to which series this volume belongs.

In sum, Beltrametti and Cassinelli have written a guide to quantum logic that maintains high standards mathematically and physically. It may even help readers to descend without drowning into "the abyss of philosophical interpretations" (a phrase in the Foreword by Peter Carruthers).

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book notes

Japanese Electronics: A Worm's-Eye View of Its Evolution

M. Kikuchi. 208 pp. Simul Press, Tokyo (US dist. Kinokuniya Bookstores, New York). \$17.50

Readers who enjoyed the PHYSICS TODAY article "Creativity and ways of thinking: the Japanese style" by Makoto Kikuchi (September 1981, page 42) will find this little book very familiar. Kikuchi has taken his favorite theme—the process by which Japan set about "catching up" to the West in electronics—and has woven it into an autobiography describing his progress from student at the University of Tokyo during World War II to his present position as director of the Sony Research Center in Yokohama.

The style is the same as in his 1981 article, conversational and highly anecdotal. There is very little physics in this book, but Kikuchi, who has worked and traveled extensively in the US, appears to have met virtually all the solid-state physicists of note and tells many charming stories of his associations with them.

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Particles and Fields 2. Proc. Banff Summer Institute, Alberta, Canada, August 1981. A. Z. Capri, A. N. Kamal, eds. 706 pp. Plenum, New York, 1983. \$97.50

Structural Elements in Particle Physics and Statistical Mechanics. Proc. NATO Advanced Summer Institute on Theoretical Physics, August-September 1981, Freiburg. J. Honerkamp, K. Pohlmeyer, H. Römer, eds. 378 pp. Plenum, New York, 1983. \$65.00 Gauge Symmetries and Fibre Bundles: Applications to Particle Dynamics. A. P. Balachandran, G. Marmo, B.-S. Skagerstam, A. Stern. 140 pp. Springer-Verlag, New York, 1983. \$7.00. text

Electroweak Interactions at High Energies. Proc. DESY Workshop, September 1982. R. Kogerler, D. Schildknecht, eds. 383 pp. World (US dist. Heyden, Philadelphia), 1983. \$44.00

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