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A second example is the study of Markov models of reliability (Chaps. 5-8) without any mention of Markov processes, which is discussed later in a separate chapter (Chap. 9); at the conclusion of this chapter there is only a mention that the models studied earlier are in fact Markov processes. A discussion of Markov and renewal processes earlier as analysis techniques could have been used to unify the models used for the reliability studies as well as queuing analysis.

Finally a few comments about the definition of a systems engineering process. The author characterizes three phases of this process: definition, development, and evaluation. Looking at the detailed description of these phases (pages 3 and 4), a certain amount of confusion would seem to be inevitable regarding the distinction between development and evaluation. We feel that evaluation of the process is an integral part of development and the process is not complete without the inclusion of the phase signifying the operation of the system. Control problems can be grouped under the operation phase.

On the whole, in spite of the reservations expressed above, this reviewer feels that this book would be more appealing to the practicing engineer than many of the other books that cover theoretical aspects of the topics discussed here. In addition, it contains one of the most complete treatments of the stochastic models in reliability—and application of optimization techniques on them. Depending on the objectives of the course, it can be used as a text or a useful reference.

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### Books Received

- RONALD ABLER, JOHN S. ADAMS, AND PETER GOULD, *Spatial Organization: The Geographer's View of the World*, Prentice-Hall, Englewood Cliffs, N. J., 1971, 587 pages, \$10.95.
- C. J. BEATTIE AND R. D. READER, *Quantitative Management in R & D*, Chapman and Hall, London, England, 1971, 347 pages, \$16.00.
- DANIEL BELL AND IRVING KRISTOL (editors), *Capitalism Today*, Basic Books, New York, N. Y., 1971, 178 pages, \$6.95.
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- RONALD A. FISHER, *Statistical Methods for Research Workers* (14th Edition), Hafner Publishing Co., Darien, Conn., 1970, 362 pages, \$4.95 (paper).
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- T. PARTHASARATHY AND T. E. S. RAGHAVAN, *Some Topics in Two-Person Games*, American Elsevier, New York, N.Y., 1971, 259 pages, \$18.00.
- G. P. PATIL (editor), *Random Counts in Scientific Work: Volume 2—Biomedical and Social Sciences* and *Volume 3—Physical Sciences, Geo Science, and Business*, Pennsylvania State University Press, University Park, Pa., 1971, 267 and 232 pages, \$9.50 for each volume.
- E. POLAK, *Computational Methods in Optimization*, Academic Press, New York, N.Y., 1971, 329 pages, \$17.50.
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- D. O. SEWELL, *Training the Poor: A Benefit-Cost Analysis of Manpower Programs in the U. S. Antipoverty Program*, Industrial Relations Centre, Queens University, Kingston, Ontario, 1971, 153 pages.
- ROBERT M. SMITH, *An Introduction to Mental Retardation*, McGraw-Hill, New York, N. Y., 1971, 272 pages, \$7.95.
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