



Operations Research

Publication details, including instructions for authors and subscription information:
<http://pubsonline.informs.org>

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To cite this article:

(1974) Books Received. Operations Research 22(3):675-676. <https://doi.org/10.1287/opre.22.3.675>

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of behavior can exist depending upon how long the system stays in this transition state, and how $\rho(t)$ behaves during this time.

The monograph consists largely of a classification of types of behavior and descriptions of methods that assertedly could be used to obtain more precise (that is, quantitative) results. It contains very few detailed results, although some numerical comparisons are made with theoretical values for the stationary $M/M/n$ and $M/D/n$ queues. The author asserts, however, that "...for $n \gtrsim 10$, any person skilled in the art of making rough calculations should be able to estimate average lengths of queues, delays, etc., to within about 10% in most situations he is likely to encounter. . . ."

The text is difficult to read, and although the methods are heuristic, a fairly high mathematical level is required to follow the arguments Newell makes in support of his methods. Also, there is no index and a glossary is badly needed.

In summary, Newell's monograph is essentially a proposal to investigate the methodology outlined therein. If this methodology should prove to be accurate and easy to apply, it will be an important contribution. Despite the fact that this monograph appears in a series that communicates "unfinished or tentative" work, some further effort at evaluation would have been very helpful.

ROBERT B. COOPER

Georgia Institute of Technology

Books Received

- VIRGIL L. ANDERSON AND ROBERT A. McLEAN, *Design of Experiments—A Realistic Approach*, Marcel Dekker, New York, N. Y., 1974, 418 pages, \$19.75.
- M. BECKMANN, G. GOOS, AND H. P. KUNZI, editors, *Symposium on the Theory of Scheduling and its Applications*, Springer-Verlag, New York, N. Y., 1973, 437 pages, \$13.20 (paper).
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- D. G. RUSSELL, *Resource Allocation System for Agricultural Research*, University of Stirling, Stirling, Scotland, 1973, 180 pages, £2.00 (paper).
- M. ROSS, editor, *Operational Research '72; Proceedings of the Sixth IFORS International Conference on Operations Research*, American Elsevier, New York, N. Y., 1973, 732 pages, \$42.00.
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