

THE
QUARTERLY
REVIEW
OF
BIOLOGY

▽
MARCH
1971

Vol. 46

No. 1

▽
Published by the
STONY BROOK FOUNDATION, INC.
for
STATE UNIVERSITY OF NEW YORK
AT STONY BROOK

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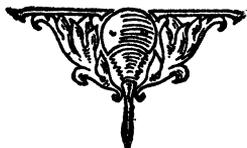
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GAME THEORY IN THE BEHAVIORAL SCIENCES.

Edited by Ira R. Buchler and Hugo G. Nutini.
University of Pittsburgh Press, Pittsburgh, Pennsylvania. \$8.95. xvi + 268 p.; ill.; subject index. 1969.

With one exception, the essays in *Game Theory in the Behavioral Sciences* fondle the language of mathematics without ever consummating any intimate, procreative relationship. That exception is the study by A. Rapoport and A. M. Chammah of how students play the game of Chicken: real data

are related to the real mathematics of game theory. Of the remaining essays, some claim that the translation of "The pen is on the table" into the mathematical equivalent of "La plume est sur la table" is a great literary achievement; some, claiming that such a translation would be a great literary achievement if only the data were available to make it possible, call for further study; and some, fearing that something might be lost in translation, find translation a permissible pastime but would really rather get along without it. Five of the twelve essays have very little to do with game theory, dabbling instead in analogies to linear programming, Bayesian decision theory, graph theory, set theory, and information theory.

Biologists interested in the potential of game theory for use in biology should read *Games and Decisions* by Luce and Raiffa (Wiley, 1957) for an introduction to game theory, and Foster and Rapoport, *Bulletin of Mathematical Biophysics* 18:219 (1956) and Lewontin, *Journal of Theoretical Biology* 1:382 (1961) for suggestions (also not tied to any real data) of biological applications.

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