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ARTICLES
Evolution of an Active Mathematical Theory: A. M. Gleason
Topology started with differential equations; its latest turn brings it back to the differential calculus.

The Heterogeneity of the Immune Response: J. W. Uhr
The quantity and nature of antigen can regulate a variety of immunological functions.

Empiricism in Latter-day Behavioral Science: V. E. Bixentine
Developments in this field, as in other sciences, invite critical review and corrective revision.

NEWS AND COMMENT
Ohio—Scientific Complex; Goldwater on Space

BOOK REVIEWS
Rationale of the Space Program: T. C. Schelling
An Introduction to the Study of Insects reviewed by H. B. Boudreaux;

REPORTS
Persistence of DDT in Soils of Heavily Sprayed Forest Stands: G. M. Woodwell and F. T. Martin
High-Pressure Polymorph of Iron: T. Takahashi and W. A. Bassett
Magnesium Compounds: New Dense Phases: P. Cannon and E. T. Conlin

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COVER

Integral curves of a first-order differential equation. The simplest problem in differential equations requires the determination of a family of curves from a knowledge of their tangents. These curves appear to be parallel in small regions but may diverge from one another in large regions. See page 451.