LETTERS
Radiation Exposure Records of Personnel: H. Blatz; Aptitude and Achievement: Differences at the Top: G. S. Kleinman; Legacy of the Flexner Report: J. T. Flynn; Webs: F. Allen

EDITORIAL
After the Manned Lunar Landing?

ARTICLES
Geophysical Observations from Nimbus I: W. Nordberg
Computer-Aided Instruction: J. A. Swets and W. Feurzeig
Chemical-Biochemical Signal and Noise: S. Freed

NEWS AND COMMENT
Tomonaga, Schwinger, and Feynman Awarded Nobel Prize for Physics: F. J. Dyson

BOOK REVIEWS
Scientists in Politics: W. S. Sayre

REPORTS
Soudan Formation: Organic Extracts of Early Precambrian Rocks: W. G. Meinschein
Ribosomes: Analysis by Cesium Sulfate Gradient Centrifugation: F. M. DeFilippes
Reversible, Light-Screening Pigment of Elasmobranch Eyes: Chemical Identity with Melanin: D. L. Fox and K. P. Kuchnow
### ASSOCIATION AFFAIRS

**AAAS Annual Meeting: Evolution**

**MEETINGS**

- Insect Biochemistry: L. Levenbook; Electron-Spin-Resonance Signals and Biological Effects: F. Hutchinson; Forthcoming Events

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**COVER**

Chromosomes in meiosis. This strange anthropomorphic configuration appeared at prometaphase in a microsporocyte. A ring of six chromosomes creates the outline of the “face.” Four bivalents form the “eyes,” “nose,” and “mouth,” giving a chromosome number of 2n = 14. This anomaly is one outcome of a study of reciprocal translocations in chromosomes of Gayophytum eriospermum (about × 5200). [Leonard B. Thein, University of California, Los Angeles]