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Mariner IV Mission

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Quantum Theory and Elementary Particles: V. F. Weisskopf
Recent discoveries, including new symmetries, have carried the search for elementary particles to a new level.

Spider-Web Building: P. N. Witt and C. F. Reed
Measurement of web geometry identifies components in a complex invertebrate behavior pattern.

Nuclear Physics: A Status Report: A. Zucker and D. A. Bromley
The development of nuclear physics, its present position, and prospects for the future are reviewed.

Advice to a New Academy: J. A. Stratton
The Engineering Academy, founded on the same principles as the NAS, faces difficult important tasks.

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Mariner IV left Earth 28 November 1964 on a cruise to the neighborhood of Mars. Data transmitted by instruments aboard the spacecraft during encounter, 14 to 15 July 1965, are presented and interpreted in the reports on the nature of the magnetic fields and particle fluxes near Mars (pages 1226–1248). [Drawing by Federal Graphics]
Editor's Summary

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