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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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COVER

Mariner IV left Earth 28 November 1964 on a cruise to the neighborhood
of Mars. Data transmitted by instru-
ments aboard the spacecraft during
decounter, 14 to 15 July 1965, are
presented and interpreted in the re-
ports on the nature of the magnetic
fields and particle fluxes near Mars
(pages 1226–1248). [Drawing by
Federal Graphics]