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Geology and the New Conservation Movement: P. T. Flawn
Geologists, conspicuous by their absence from today's conservation groups, can make a contribution.
Mariner IV: Developing the Scientific Experiment: G. A. Reiff
Attention to detail and continuous tests at all stages were responsible for the success of the mission.
Heterochromatin: S. W. Brown
Heterochromatin provides a visible guide to suppression of gene action during development and evolution.

NEWS AND COMMENT
Report from Europe: EMBO Gets a Modest Green Light: Physicist Named to Académie Française; John Maddox Succeeds Brimble; British Oceanographer Dies: V. K. McElheny

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The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are to further the work of scientists, to facilitate cooperation among them, to improve the effectiveness of science in the promotion of human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.

COVER

Intense summer thunderstorms produce brilliant luminous flashes. These flashes, composed of one or more strokes, are usually studied on a time scale measured in milliseconds. However, recently the first photographic record of spectral emissions on a microsecond time scale was obtained with a high-speed, slitless spectrograph. See page 451. [Richard E. Orville, University of Arizona]