Editorial
Plans for Science .......................................................... 405

Articles
The Problem of Weather Modification: E. J. Workman .............. 407
What went wrong with the rain-making program? Is there any hope?
Structural and Rheological Properties of Glass: H. F. Mark and S. M. Atlas .... 413
Both thermal and technological factors are believed to influence the “past history” of glass.

News and Comment
Congress—Science Well Treated But Scarcely Understood ............. 417

Book Reviews
Origin of the Human Races: E. Mayr ..................................... 420
A new thesis of mankind’s ancient unity, and of a corresponding antiquity of racial diversity in man.
A Geography of Manufacturing, reviewed by M. D. Thomas; other reviews .... 422

Reports
Memory for Verbal Material: Effects of Sensory Deprivation: R. J. Grissom, P. Suedfeld, J. Vernon .............. 429
Two Meteorites of Unusually Short Cosmic-Ray Exposure Age: E. Anders .......... 431
Pollen Tube Growth in vivo as a Measure of Pollen Viability: W. H. Dempsey .......... 436
Persistent Vaginal Cornification in Mice: N. Takasugi, H. A. Bern, K. B. DeOme .......... 438
Air Pollution: Photooxidation of Aromatic Hydrocarbons: A. P. Alshuller et al. .......... 442
Australites and Antarctica: R. A. Schmidt .......... 443
Letter Recognition within Words Flashed Left and Right of Fixation: E. R. Harcum and M. L. Jones .......... 444
Pachytene and Diakinesis Behavior of the Isochromosomes 6 of Maize: M. P. Maguire .......... 445
Communication with Queen Honey Bees by Substrate Sound: A. M. Wenner .......... 446
Virus Neutralization Test in a Capillary Tube: D. P. Durand .......... 448

Departments
Letters from W. A. Coldwell; R. H. Dufort; W. Gomberg and K. E. Boulding; J. B. Spofford .......... 400
Meetings: Neurophysiology: Evaluating the Comparative Approach; Forthcoming Events .......... 449
New Products .......... 452

Cover
Cloud over the Magdalena Mountains (elevation 10,700 feet) 17 miles west of Socorro, New Mexico. Two factors contributed to the failure of this cloud to produce rain: (i) the air was abnormally dry, as is indicated by the weight of the cloud base above the mountain; (ii) winds aloft moved the top of the cloud toward the east, producing a shearing action that broke the alignment of the columns in the cloud. See page 407.