### Editorial
- Gea, Daughter of Chaos

### Articles
- Randomized Cloud Seeding in Santa Barbara: J. Neyman, E. L. Scott, M. Vasilevskis
  - The effectiveness of cloud seeding during a period of three years is statistically evaluated.
- Quantum Phenomena in Biology: C. Reid
  - Natural, ultraviolet, and high-energy radiation processes are compared.
- Hans Friedrich Jensen, Biochemist: E. A. Evans, Jr.

### Science in the News
- Salary Report Presented by University Professors' Group; $150,000 To Be Shared by Four Atoms for Peace Award Winners

### Book Reviews
- H. Muench's *Catalytic Models in Epidemiology*, reviewed by W. Burrows; other reviews

### Reports
- Effect of Kinetin on Formation of Red Pigment in Seedlings of *Amaranthus retroflexus*: E. Bamberger and A. M. Mayer
- Behavior and Beliefs during the Recent Volcanic Eruption at Kapoho, Hawaii: R. Lachman and W. J. Bonk
- A Nonsteroidal Androgen: R. I. Dorfman
- Nervous Regulation of Conditioned Hyperglycemia to Nociceptive Stimulation: E. Gutmann and B. Jakoubek
- Synchronization of Division in *Escherichia coli*: P. A. Anderson and D. E. Pettijohn
- Utilization of Organic Carbon by a Marine Crustacean: Analysis with Carbon-14: R. Lasker
- Toxicity of Bacterial Exotoxins by the Oral Route: C. Lamanna
- Effect of 5-Hydroxytryptamine and Iproniazid on Pregnancy: E. Poulson, M. Botros, J. M. Robson
- Viruses Associated with Epidemic Hemorrhagic Fevers of the Philippines and Thailand: W. M. Hammon, A. Rudnick, G. E. Sather
- Species Differentiation of Insects by Hemolymph Electrophoresis: M. van Sande and D. Karcher

### Departments
- Letters from J. H. Wiegand and B. H. J. Hofstee
- Optical Rotation and Rotatory Dispersion; Forthcoming Events

### Cover
- Terrain of Santa Barbara County, California, where a randomized experiment on the effectiveness of cloud seeding has been under way since 1957. Part of Los Padres National Forest. See page 1073. [David Muench]
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