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Numerical Weather Prediction in Daily Use: G. P. Cressman
The tenth anniversary of calculations for daily weather forecasts finds forecasts more accurate and useful.
Chemical Coding of Behavior in the Brain: N. E. Miller
Stimulating the same place in the brain with different chemicals can elicit different types of behavior.
Sap Pressure in Vascular Plants: P. F. Scholander et al.
Negative hydrostatic pressure can be measured in plants.

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On Aquatic Microbiology Today: C. B. van Niel

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Faint Ring around the Spiral Galaxy M82: H. Arp
Photometry at Cerro Tololo, Chile: Effects of Mount Agung Eruption: H. Moreno, N. Sanduleak, J. Stock
Alaskan Glaciers: Recent Observations in Respect to the Earthquake Advance Theory: A. S. Post
Split-Twig Figurines from Northern Arizona: New Radiocarbon Dates: R. C. Euler and A. P. Olson
“Zamene,” Isomeric Carbon-19 Monoolefins from Marine Zooplankton, Fishes, and Mammals: M. Blumer and D. W. Thomas
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MEETINGS

Three long-exposure photographs, taken with the wide angle, 48-inch (120-cm) Schmidt telescope at Mount Palomar, are printed together to show a faintly luminous, previously unknown feature around one end of the spiral galaxy M81. The oval insert shows the spiral galaxy as it appears on a normal photograph taken with the 200-inch (500-cm) telescope. The whole inserted area and more is completely burned out on the combined print which shows the faint ring. The exploding galaxy M82 is at the top edge of the photograph. See page 363. [William Miller]