**Editorial**  The Twelve-Pound Book .................................................. 2067

**Articles**  The Scientific Status of Pharmacology: C. D. Leake .................................................. 2069
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Science and Human Survival .......................................................... 2080
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Howard Percy Robertson, Physicist: H. L. Dryden ............................... 2084

**Science and the News**  School Aid: Some Constitutional Questions. . . AD-X2: The Case of the Mysterious Battery Additive Comes to an End ........................................ 2085

**Book Reviews**  Genetics, the Core Science of Biology: T. Dobzhansky ........................................ 2091
Acquisition of a broader understanding of a particular branch of science may be an exhilarating experience.

L. R. B. Elton's Nuclear Sizes, reviewed by R. Hofstadter; other reviews .................. 2092

**Reports**  On the Mechanism of Diamond Formation: M. E. Lipschutz and E. Anders ................. 2095
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Immunological Studies of Gastrin: W. R. Waddell, J. P. Lythgoe, A. P. Monaco .......... 2099

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**Cover**  Self-portrait of rare jellyfish (Solmissus incisa) taken at a depth of 1000 meters off George's Bank during studies of bioluminescence in the sea. When this 12-centimeter medusa drifted into the range of the camera (designed by Breslau and Edgerton), its luminescence was picked up by a phototube, which triggered an electronic flash to take the picture. The 2-centimeter watch gives both scale and the exact moment of exposure. [George L. Clarke, Harvard University and Woods Hole Oceanographic Institution]
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