

Editorial	Two-Way Street	13
Articles	A Molecular Theory of General Anesthesia: <i>L. Pauling</i>	15
	Anesthesia is attributed to the formation in the brain of minute hydrate crystals of the clathrate type.	
	Drugs in the Brain: <i>L. J. Roth</i> and <i>C. F. Barlow</i>	22
	Autoradiography and radioassay techniques permit analysis of penetration by labeled drugs.	
	Winter Thermal Radiation Studies in Yellowstone Park: <i>D. M. Gates</i>	32
	Infrared reveals surface phenomena of hot springs and temperatures of vegetation and Old Faithful geyser.	
Science in the News	Disarmament and the Test Ban: Several New Developments Merely Confirm That the Outlook Is Dim	36
Book Reviews	Earth and Beyond: <i>S. Chapman</i>	41
	The International Geophysical Year in retrospect: Was it a "turning point in history"?	
	W. Madsen's <i>The Virgin's Children</i> , reviewed by <i>E. Z. Vogt</i> ; other reviews	43
Reports	Exploration of Venus by Radar: <i>W. K. Victor</i> and <i>R. Stevens</i>	46
	Precision range and velocity data can be obtained with a supersensitive radar receiving system.	
	Correlation between Mean Litter Size and Mean Life Span among 12 Inbred Strains of Mice: <i>T. H. Roderick</i> and <i>J. B. Storer</i>	48
	Termite Attractant from Fungus-Infected Wood: <i>G. R. Esenther</i> et al.	50
	Initiation of Flower Buds in <i>Rhododendron</i> after Application of Growth Retardants: <i>N. W. Stuart</i>	50
	Inhibiting Effect of Tobacco Smoke on Some Crystalline Enzymes: <i>R. Lange</i>	52
	Response of Condylar Growth Cartilage to Induced Stresses: <i>L. J. Baume</i> and <i>H. Derichsweiler</i>	53
	Blood Trehalose and Flight Metabolism in the Blowfly: <i>J. S. Clegg</i> and <i>D. R. Evans</i> ..	54
	Long-Term Nontoxic Support of Animal Life with Algae: <i>R. O. Bowman</i> and <i>F. W. Thomae</i>	55
	Diageotropism in <i>Vanilla</i> Roots: <i>J. E. Irvine</i> and <i>R. H. Freyre</i>	56
Departments	Forthcoming Events; New Products	58
Cover	Columnar or comb frost on the soil in a thermal area of Yellowstone National Park, 23 February 1961. The frost was produced by the freezing of wet soil and capillary growth which raised the soil surface about 4 inches. On the day the picture was taken, the air temperature dropped to -10°F and the radiant temperature of the sky dropped to -72°F . The vertical rod is a thermometer. See page 32. [David M. Gates, Boulder Laboratories, National Bureau of Standards]	

Science

134 (3471)

Science 134 (3471), 13-62.

ARTICLE TOOLS

<http://science.sciencemag.org/content/134/3471.citation>

PERMISSIONS

<http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.