

SCIENCE

30 September 1955

Volume 122, Number 3170

Editorial	Dividend at 100 percent a Year	581
Articles	Recent Geology of Cane Wash, Monument Valley, Arizona: <i>C. B. Hunt</i> ...	583
	Speculations on Hazards of Exposure to Radiations: <i>J. Keosian</i>	586
	Oscar Orias, Physiologist: <i>C. McC. Brooks</i>	587
News of Science	U.S. Geological Survey, 1956; News Briefs; Scientists in the News; Necrology; Education; Grants, Fellowships, and Awards; In the Laboratories; Miscellaneous	588
Reports and Letters	Alkaline Phosphatase in the Kidneys of Agglomerular Fish: <i>J. B. Longley</i> ...	594
	Ultraviolet Irradiation of Pyrimidine Derivatives: <i>A. M. Moore</i> and <i>C. H. Thomson</i>	594
	Tartronate as a Possible Coenzyme of Oxalosuccinic Carboxylase: <i>L. G. Wesson</i>	595
	Occurrence of Diffusible Auxin in <i>Psilotum</i> : <i>W. P. Jacobs</i>	597
	Isomeric Substituted-Vinyl Phosphates as Systemic Insecticides: <i>J. E. Casida</i>	597
	Atomic Charges in Monosubstituted Benzenes: <i>R. T. Sanderson</i>	598
	Polygonization of a Plastically Bent Sapphire Crystal: <i>M. L. Kronberg</i>	599
	On Responsibility of Scientists: <i>R. Bloch</i> ; <i>E. Teller</i>	600
	On "An Application of Statistics": <i>A. E. Waugh</i>	601
	Proliferation of Mature Fruit Pericarp Tissue Slices <i>in vitro</i> : <i>C. A. Schroeder</i>	601
Book Reviews	<i>Approximations for Digital Computers</i> ; <i>Speech: Code, Meaning, and Communication</i> ; <i>Methods of Quantitative Micro-Analysis</i> ; <i>Elementary Theory of Nuclear Shell Structure</i> ; <i>Canadian Cancer Conference</i> ; <i>Letalfaktoren in ihrer Bedeutung für Erbpathologie und Genphysiologie der Entwicklung</i> ; <i>Radiation Biology</i> ; <i>Aux Confins de la Vie</i> ; Books Reviewed in <i>The Scientific Monthly</i> ; New Books; Miscellaneous Publications	602
Scientific Meetings	Pacific Division Meets; Meeting Notes; Forthcoming Events	606

Science

122 (3170)

Science 122 (3170), 581-608.

ARTICLE TOOLS

<http://science.sciencemag.org/content/122/3170.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. The title *Science* is a registered trademark of AAAS.

Copyright © 1955 The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works.