### Table of Contents

**Cellular Opacity and the Activity of Chloroplast Pigments in Photosynthesis:**  
*Harold H. Strain* .................................................. 161

**Concerning the Measurement of pH, Ion Activities, and Membrane Potentials in Colloidal Systems:**  
*Hans Jenny et al.* .................................................. 164

**Technical Papers**

- **Chemical Composition of the Vitelline Membrane of Ascaris lumbricoides var. suis:**  
  *Richard W. Timm* ............................................... 167

- **Effect of Trace Minerals on Growth and Fattening of Swine:**  
  *Earle W. Klosterman et al.* ................................ 168

- **Evidence of a Homing Instinct in the Bermuda Spiny Lobster:**  
  *Edwin P. Creaser and Dorothy Travis* ...................... 169

- **Acetaldehyde Accumulation in Excised Wheat Roots Induced by Plant Growth Substances:**  
  *James F. Nance and Leon W. Cunningham* ................. 170

- **Antimycin A, an Antiobiotic with Insecticidal and Miticidal Properties:**  
  *George S. Kido and E. Spyhalski* ........................... 172

- **The Solubility of Fibrin Clots Produced by Thrombin and by Snake Venom:**  
  *B. Jónszky* .................................................... 173

- **Effect of Evisceration on Renal Glycogen:**  
  *Clarence Cohn, Bertram Katz, and Pauline Cohn* .......... 174

- **The Effect of Exercise upon the Lethality of Roentgen Rays for Rats:**  
  *D. J. Kimeldorf, D. C. Jones, and M. C. Fishler* ....... 175

- **Adaptive Production of Amylase and Lipase by Three Species of Fungi:**  
  *J. J. Goodman* .................................................. 176

- **Determination of Circulating Red Cell Volume by Radioactive Chromium:**  
  *Seymour J. Gray and Kenneth Sterling* .................... 179

**Comments and Communications**

- **Failure of Vitamin B₁₂ to Promote Growth of Premature Infants:**  
  *Daniel F. Downing* ............................................. 181

- **Effect of Tricaine Methanesulfonate on the Determination of Sulfonamides:**  
  *S. B. Friddle and S. F. Snieszko* ........................... 181

**Book Reviews**

- **Einführung in die Kernphysik:**  
  *Wolfgang Riezler.* Reviewed by *E. Bleuler* 182

- **Kleine Raketenkunde:**  
  *Hans K. Kaiser.* Reviewed by *Willey Ley* ............... 182

**News and Notes**

- **Upper Atmosphere Symposium and Conference:**  
  *Warren N. Arquint* ............................................. 183

---

*Science,* founded in 1880, is published each Friday by the American Association for the Advancement of Science at the Business Press, 10 McGovera Ave., Lancaster, Pa. Entered as second-class matter at the Post Office at Lancaster, Pa., January 13, 1948, under the Act of March 3, 1879. Acceptance for mailing at the special rate postage provided for in the Act of February 28, 1925, embodied in Paragraph (d-2) Section 34.40 P. L. & R. of 1948.

All correspondence should be sent to *Science,* 1515 Massachusetts Ave., N.W., Washington 5, D. C. The AAAS assumes no responsibility for the safety of manuscripts or for the opinions expressed by contributors. Four weeks' notice is required for change of address, and an address stencils label from a recent issue must be furnished. Claims for a missing number will be allowed only if received within 60 days from date of issue.

Annual subscriptions, $7.50; single copies, $.25; foreign postage, outside the Pan-American Union, $1.00; Canadian postage, $.50.

The AAAS also publishes *The Scientific Monthly.* Subscription rates on request.
Editor's Summary

This copy is for your personal, non-commercial use only.

Article Tools  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/112/2902.citation

Permissions  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl