### Table of Contents

**Biological Experiments on Drosophila melanogaster with Supersonic Vibrations:**

Hedi Fritz-Niggli and Albert Böni... 120

**A Simplified Method of Lyophilizing Microorganisms:**

R. W. Barratt and E. L. Tatum... 122

### Comments and Communications

**Planchets for Radioactive Material:**

Charles C. Hassett and Joey M. Pirrung... 124

**Note on the Freezing Point of Citrate Solutions Used in the Dilution of Bull's Semen:**

R. Aschaffenburg... 124

**A Simple Method for Opening Quartz Capsules Containing Radioactive Materials:**

H. H. Coburn and C. C. Roan... 125

**Water-soluble Riboflavin Derivative:**

Karl Schoen and Samuel M. Gordon... 125

**Foreign Publications in the Field of Organic Chemistry:**

Leopold Rusicka... 126

**Use of Dried Hemoglobin in the Assay of Pepsin:**

Jacinto Steinhardt... 126

### Book Reviews

**The Chemical Elements and Their Compounds:**

N. V. Sidgwick. Reviewed by Glenn T. Seaborg... 127

**Elementary Pile Theory:**

Harry Soodak and Edward C. Campbell. Reviewed by S. DeBenedetti... 127

**The Theory of Atomic Collisions:**

N. F. Mott and H. S. W. Massey. Reviewed by Robert L. Platzman... 128

### Scientific Book Register... 128

### News and Notes... 129

---

*Science*, founded in 1880, is published each Friday by the American Association for the Advancement of 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-stencil label from a recent issue must be furnished. Claims for missing numbers will be allowed only if received within 60 days from date of issue.

Annual subscriptions, $7.50; single copies, $2.50; 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/112/2900.citation

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