

# Books of the Week

**TO SERVE YOU:** To get books, send us a check or money order to cover retail price. Address Book Dept., SCIENCE NEWS LETTER, 1719 N St., N. W., Washington 6, D. C. Ask for free publication direct from issuing organization.

**THE ADSORPTION OF NORMAL PARAFFINS ON CRACKING CATALYSTS**—Robert C. Zabor and Paul H. Emmett—*Mellon Institute*, 5 p., paper, free upon request to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa.

**AN ANALYSIS OF THE DISTRIBUTION OF THE BIRDS OF CALIFORNIA**—Alden H. Miller—*University of California Press*, 93 p., illus., paper, \$1.50.

**ANNUAL REPORT OF THE PUBLIC HEALTH RESEARCH INSTITUTE** — *Public Health Research Institute*, 48 p., illus., paper, free upon request to publisher, foot of East 15th St., New York 9, N. Y. Brief summaries of research conducted during the year.

**DICTIONARY OF GEMS AND GEMOLOGY: Including Ornamental, Decorative and Curio Stones**—Robert M. Shipley and others—*Gemological Institute of America*, 5th ed., 261 p., \$5.50. Definitions of over 4,000 terms.

**FLORA OF THE CHARLESTON MOUNTAINS, CLARK COUNTY, NEVADA**—Ira W. Clokey—*University of California Press*, 274 p., paper, \$2.75, cloth \$3.75. A detailed account of the native plants of an isolated mountain range between the southern Sierra Nevada and the Rocky Mountains.

**GENERAL BIOLOGY**—James Watt Mavor—*Macmillan*, 4th ed., 875 p., illus., \$5.75. In this textbook, the emphasis is on the scientific method.

**HISTORICAL GEOLOGY: A Laboratory Manual for Geology, Part II**—Kirtley F. Mather and Chalmer J. Roy—*Appleton*, 96 p., illus., with worksheets, paper, \$2.75. Intended for students in a full year college course.

**THE INFLUENCE OF HORMONES ON ENZYMES**—R. I. Dorfman and E. D. Goldsmith and others—*New York Academy of Sciences*, 208 p., illus., paper, \$3.50. "The study of

enzymes," quote the authors, "may be characterized as the oldest of the arts and the newest of the professions." Here are a group of professional papers on the subject.

**LIGHTNING AND THUNDER**—Herbert S. Zim—*Morrow*, 64 p., illus., \$2.00. An attractively illustrated book for children (of whatever age) on a common but often terrifying phenomenon of nature.

**MAN ANSWERS DEATH: An Anthology of Poetry**—Corliss Lamont, Ed.—*Philosophical Library*, 2d ed., 330 p., \$4.50. A collection of poems ranging from ancient Israel, Greece and Rome to the present, centered around the philosophy of Humanism.

**THE MANUFACTURE OF INTERMEDIATES AND DYES: An Introduction to Works Practice**—G. H. Frank—*Chemical Publishing Co.*, 177 p., illus., \$4.50. Intended to answer questions as to how *this* is made and why *that* is used.

**MIGRATION OF BIRDS**—Frederick C. Lincoln—*Doubleday*, 102 p., illus., \$1.00. Interesting facts about the speeds, directions and altitudes of migrations with maps and other data.

**MOST-OFTEN-NEEDED 1952 TELEVISION SERVICING INFORMATION** — M. N. Beitman — *Supreme Publications*, 192 p., paper, \$3.00. Information and diagrams of value to service and repair men.

**NORTH OF THE CIRCLE**—Frank Illingworth—*Philosophical Library*, 254 p., illus., \$4.75. A book for armchair voyagers who like to visit unusual parts of the world.

**PASTEUR'S STUDY OF FERMENTATION**—James Bryant Conant, Ed.—*Harvard University Press*, 57 p., paper, \$1.00. Number 6 in a series of "Case Histories in Experimental Science" designed to help the student to recapture the experience of those who have participated in exciting events in scientific history.

**SELECTION, TRAINING, AND USE OF PERSONNEL IN INDUSTRIAL RESEARCH: Proceedings of the Second Annual Conference on Industrial Research, June, 1951**—Department of Industrial Engineering, Columbia University, Sponsor—*King's Crown Press*, 274 p., paper, \$4.50.

**A SYSTEMATIC REVIEW OF THE HARVEST MICE (GENUS REITHRODONTOMYS) OF LATIN AMERICA**—Emmet T. Hooper—*University of Michigan Press*, 225 p., illus., paper, \$4.00. These little rodents range from southern North America to northern South America and from below sea level in Death Valley to over 13,000 feet on the mountains of Mexico and Central America.

**WHERE WINTER NEVER COMES: A Study of Man and Nature in the Tropics**—Marston Bates—*Scribner's*, 310 p., illus., \$3.50. By a naturalist whose interest in the tropics received its first satisfaction when he went to study insects in Central America. A book on life in the warm countries with the emphasis on man.

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## INVENTION

### Collect for Incoming Calls on Pay Phones

➤ **NO LONGER** will people be able to use coin-operated telephones in lobbies or railroad stations for receiving telephone calls without paying for the service, if an invention for which a patent was granted this week is put into use. The invention, called "pay station circuits for automatic telephone systems," received patent 2,583,783, and was the work of Clarence E. Lomax, Chicago, and John M. Wild, Ithaca, N. Y. Rights were assigned to the Automatic Electric Laboratories, Inc., Chicago.

The inventors point out that it is the practice of many people to drop a nickel, or a dime, in the slot, to ring the phone of the person they want to speak to. On the other end, the person waits for a pre-arranged number of rings. If he hears the signal, he then calls the number of the pay station. Thus a pay station phone can be used for incoming calls without the usual monthly charges.

The invention would provide a substitution circuit that requires a call registering operation in order to answer incoming calls.

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## TECHNOLOGY

### Surface-Finish Standards To Be Available Soon

➤ **AFTER SEVEN** years of cooperative work, two automobile manufacturers have jointly announced that a standard for measuring surface finishes has been developed.

Five pure-gold master blocks form a standard set from which duplicate sets can be made. Accurate to one-millionth of an inch, the duplicates will be made available soon. The system was worked out by the Chrysler Corporation and General Motors, Detroit, Mich.

If used properly, the reference blocks will allow mating mechanical parts manufactured by different companies to go together with the same precision as if they had been made by the same machinist.

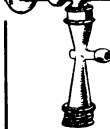
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## CAR QUIZ

1. Do you think that new and used car prices are too high today?
2. Do you feel that many dealers and auto mechanics overcharge on repair-work?
3. Do you know the true TOTAL cost of operating and owning your new car? \$17.50 per week if you add in hidden expenses?
4. When you go out to buy a car do you know how to select a reliable dealer?
5. Do you know how to pick out a good car and avoid the bad ones?

If you answer YES to all questions, you probably know enough about cars to save a lot of money in buying and operating them. If not, you probably lose several hundred dollars a year unnecessarily. It will pay you to read the important new book: "100 WAYS TO SAVE MONEY BUYING YOUR CAR". In 96 easy-to-read pages it gives you all the essential information you want to know about cars. Exposes 36 seller's tricks. Describes 56 easy car tests. Explains fair prices, trade-ins, financing, insurance. Lists fair guarantees, repairs. Gives operating, owning costs. Shows how to spot bad cars, taxis, wrecks, stolen cars, etc. On sale at Macy's, Baker & Taylor, most bookstores. Only \$1.25 postpaid or \$1.50 COD direct from publishers: CUMMINGS CO., 1321 Arch St., Phila. 7S, Pa.

## VACUUM PUMP



**NEW MODEL** for Chemists, Doctors, Experimenters, Photographers, Dentists, Etc. 0-29" HG Vacuum. Works on 20 pounds water pressure. Anti-splash head with reversible flow. Screws on Standard water faucet. (adapters for smooth faucets 1.00 additional) Made to last from Zamac & Brass. Has nipple for 1/4" hose connection. Dealers solicited. Satisfaction guaranteed on 5 day trial basis. On open acct to institutions, Schools, Colleges and rated firms. Only 1.98 POSTPAID. No COD's please.

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