

# • New Machines and Gadgets •

☛ **COLORED PLASTIC** lamps lashed to aerial delivery containers help troops locate and identify their supplies and equipment at night. Floating to earth by parachute, the light identifies different kinds of material by color. Interchangeable, transparent lens caps mark the different containers in five colors.

*Science News Letter, April 3, 1943*

☛ **A NEW DEVICE** for physicians locates metal particles in the eye with a transparent plastic lens. The hollow base of the lens fits snugly over a plastic handle which holds a wire and tiny activating magnet that removes the offending particle.

*Science News Letter, April 3, 1943*

☛ **A SNAKE BITE** kit now used extensively by the Army Medical Corps contains tourniquet, bandages, iodine and ammonia capsules carried in a dust-proof, watertight plastic case. A plastic suction pump is included to remove venom from the wound. Plastic is said to be an improvement over the original aluminum pump because the metal is so easily bent.

*Science News Letter, April 3, 1943*

☛ **NOVEL HUMIDITY** indicators are used to show probable moisture damage to airplane engines and other equipment protected by dehydration inside transparent plastic bags. Blue hygroscopic crystals are placed between a small sheet of starched cotton mesh and a clear win-

dow, bound together in a cardboard frame as shown in the photograph. This is placed inside the protective covering. Moisture causes the crystals to turn pink.

*Science News Letter, April 3, 1943*

☛ **OIL-IMPREGNATED** condenser bushings save 40% of the shellac formerly used. The product is said to be superior in many ways to the bushing previously built. Shellac substitutes are necessary because imports from India have been cut off by the war.

*Science News Letter, April 3, 1943*

☛ **A BABY CARRIAGE TRACK** to help get the loaded carriage up and down a flight of stairs has recently been patented. Angle bars with horizontal and

vertical flanges constitute the tracks. They are held the proper distance apart with adjustable rods. Special adjustable fasteners hold them in place on the stairs. These may be arranged to fit any treads. Length may be varied by telescopic adjustment.

*Science News Letter, April 3, 1943*

☛ **LEATHER FINGER GUARDS** protect metal-working employees who do sanding, grinding or punch press work. The finger guards have leather fronts and tips backed by an elastic material.

*Science News Letter, April 3, 1943*

If you want more information on the new things described here, send a three-cent stamp to *Science News Letter*, 1719 N St., N. W., Washington, D. C., and ask for Gadget Bulletin 150.

## • Just Off the Press •

**AMERICAN AVIATION DIRECTORY**—*American Aviation Associates*, various paging, \$5. "Aviation officials and companies, United States, Canada and Latin America, Fall-Winter, 1942."

**BASIC MATHEMATICS FOR PILOTS AND FLIGHT CREWS**—C. V. Newsom and Harold D. Larsen—*Prentice-Hall*, 153 p., illus., \$2. Circular slide rule included with book.

**BEHIND THE SULFA DRUGS: A Short History of Chemotherapy**—Iago Galdston—*Appleton-Century*, 174 p., \$2.

**BETTER DRESSMAKING**—Ruth Wyeth Spears—*Barrows*, 256 p., illus., \$3. All sewing details carefully and clearly explained. A dictionary of fabrics and fabric terms is included.

**BUILDING MODEL WAR PLANES FOR THE ARMY AND NAVY**—Emanuele Stieri—*Duell, Sloan and Pearce*, 90 p., illus., \$2.50.

**CREATINE AND CREATININE METABOLISM**—Howard H. Beard—*Chemical Pub. Co.*, 376 p., \$4. Textbook which may be used by "technicians not especially trained in analytical chemistry."

**ELEMENTARY AVIGATION**—L. E. Moore—*Heath*, 222 p., illus., \$1.60. Written by a mathematics teacher.

**FOREST RESOURCES OF THE PONDEROSA PINE REGION OF WASHINGTON AND OREGON**—R. W. Cowlin, P. A. Briegleb and F. L. Moravets—*Govt. Print. Off.*, 99 p., illus., 40c. (United States Department of Agriculture Miscellaneous Publication No 490.)

**THE FRIENDLY ARCTIC: The Story of Five Years in Polar Regions**—Vilhjalmur Stefansson—*Macmillan*, 812 p., illus., \$5.

**INTRODUCTION TO ORGANIC AND BIOLOGICAL CHEMISTRY**—L. Earle Arnow and Henry C. Reitz—*Mosby*, 736 p., illus., \$4.25. Textbook.

**LEGAL PROTECTION FOR THE SERVICEMAN**

**AND HIS FAMILY: The Latest 1943 Information**—Vincent Lo Lordo and Victoria Brown—*Julian Messner*, 80 p., \$1. By the staff attorneys of the Legal Aid Society of New York.

**THE MARCH OF MEDICINE**—The New York Academy of Medicine Lectures to the Laity, 1942—*Columbia Univ. Press*, 217 p., \$2.50.

**ORIGIN LEGEND OF THE NAVAHO FLINTWAY**—by Father Berard Haile—*Univ. of Chicago Press*, 319 p., \$3.

**POISONOUS REPTILES OF THE WORLD: A WARTIME HANDBOOK**—Doris M. Cochran—*Smithsonian Institution*, 37 p., illus., Free upon direct application to Smithsonian Institution. (Smithsonian Institution War Background Studies No. 10.)

**REPORTS OF THE BIOCHEMICAL RESEARCH FOUNDATION OF THE FRANKLIN INSTITUTE**—*Biochemical Research Foundation*, various paging, illus. VOL. VI—1940-1941. Distributed to libraries and research laboratories.

**SOUTHEASTERN ASIA AND THE PHILIPPINES**—Lennox A. Mills, Editor—*American Academy of Political and Social Science*, 226 p., \$2 paper, \$2.50 cloth. (The Annals of The American Academy of Political and Social Science, Volume 226, March 1943.)

**SUPPLEMENT TO BUILDING MODEL WAR PLANES**—Emanuele Stieri—*Duell, Sloan and Pearce*, 60 full size construction patterns, \$1.25.

**STATISTICS OF SPECIAL SCHOOLS AND CLASSES FOR EXCEPTIONAL CHILDREN 1939-1940: Volume II, Chapter V**—Elise H. Martens and Emery M. Foster—*Govt. Print. Off.*, 199 p., 30c. "Biennial survey of education in the United States, 1938-40."

**WILDLIFE REFUGES**—Ira N. Gabrielson—*Macmillan*, 257 p., illus., \$4.

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