

# • New Machines and Gadgets •

☛ **SPONGY RUBBER PADS** covered with canvas are fitted along the gunwales of Navy boats which service anchored seaplanes and flying boats to protect the aircraft from damage by collision. The rubber used is salvaged from bus, railroad and automobile cushions and similar products.

Science News Letter, August 28, 1943

☛ **GOLF BALLS** with sugar solution centers may become common after the war; outside covers will be rubber. An improved manufacturing method for this feature has been patented. Balls with liquid centers are said to be superior to those with solid cores.

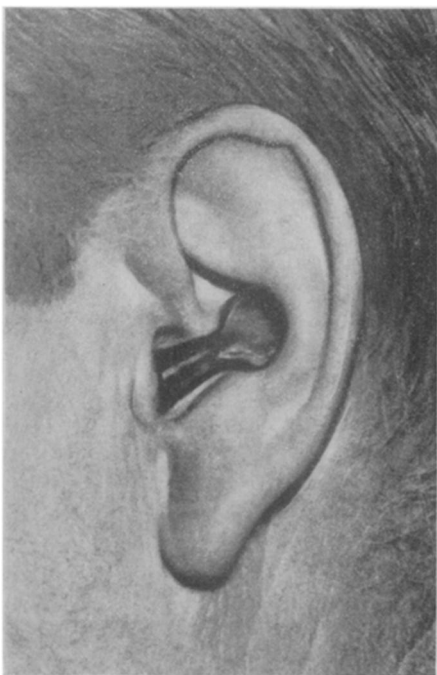
Science News Letter, August 28, 1943

☛ **METAL PLATING** on plastics or on glass is possible by a commercial process recently developed. The metal coating, it is claimed, is permanent and will not chip, crack or peel. Both rigid and pliable plastic tubing can be plated.

Science News Letter, August 28, 1943

☛ **PLASTIC EAR PLUGS** have been designed to protect the hearing of workers at noisy machines. The picture shows a plug partially inserted in a worker's ear. Inexpensively made of plastic scrap, the transparent plugs have been found helpful by mechanics, test block workers and pilots.

Science News Letter, August 28, 1943



☛ **COTTON WEB BELTING** for machines can be spliced by a process recently developed which saves time and material. The two ends to be connected are tapered, cut in the shape of miniature stairs, fitted together and then joined with a solution made of solvent and cement. The spliced belt is ready for use in a half hour.

Science News Letter, August 28, 1943

☛ **A PAPER FEEDER** device has been patented to attach to typewriters. Single sheets of paper or sets of sheets are fed quickly from a magazine into typing position.

Science News Letter, August 28, 1943

☛ **TOUGH GLYCERINE - BASE** paint protects warships, airplanes, tanks, jeeps and trucks against the ravages of wear and weather. The paint is durable, elastic and quick-drying.

Science News Letter, August 28, 1943

☛ **FIELD-REPAIR** cars for spot-welding steel parts of airplanes on the landing field are now in use. The car is a self-contained unit with electronic timer and other necessary equipment. Electric current is provided by cable from the nearest power line.

Science News Letter, August 28, 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 6, D. C., and ask for Gadget Bulletin 171.

## • Just Off the Press •

**AIRCRAFT NAVIGATION:** Part I: Theory—H. Stewart and A. Nichols, Part II: Practice—S. A. Walling and J. C. Hill—*Macmillan*, 146 p., illus., \$2.

**BURMA SURGEON**—Gordon S. Seagrave—*Norton*, 295 p., illus., \$3.

**DRYING AND DEHYDRATION OF FOODS**—Harry W. Von Loesecke—*Reinhold Publ.*, 302 p., illus., \$4.25. A compilation of the latest information on food dehydration for the industry or those interested in commercial production.

**GEOGRAPHY OF LATIN AMERICA**—Fred A. Carlson—*Prentice Hall, Inc.*, 566 p., illus., \$6. Rev. ed.

**HOW TO KNOW THE SPRING FLOWERS**—Mabel Jaques Cuthbert—*H. E. Jaques*, 168 p., illus., spiral, \$1.50. (Cloth \$2.50.) Pictured-keys for determining the more common spring-flowering herbaceous plants, with suggestions and aids for their study.

**HYPNOTISM**—G. H. Estabrooks—*Dutton*, 249 p., \$2.50.

**INDIA'S PROBLEM CAN BE SOLVED**—DeWett Mackenzie—*Doubleday, Doran*, 265 p., front., \$3.

**MACHINES: Training for Victory**—Charles R. Wallendorf and others—*American Book Co.*, 300 p., illus., \$1.24. A Pre-Induction training course.

**PHYSICS TELLS WHY: An Explanation of Some Common Physical Phenomena**—Overton Luhr—*Jaques Cattell*, 318 p., illus., \$3.50.

**SEX IN MARRIAGE**—Earnest R. Groves and Gladys H. Groves—*Emerson Books, Inc.*, 224 p., illus., \$2. 3rd ed. rev. The book is a third edition but has been extensively revised and enlarged.

**THE GRASSHOPPER BOOK**—Wilfrid S. Bronson—*Harcourt Brace*, 127 p., illus., \$1.75.

**THE PSYCHOLOGY OF EFFICIENCY: A Discussion of the Hygiene of Mental Work**—Arthur Gilbert Bills—*Harper*, 361 p., illus., \$2.75. Prepared for the purpose of aiding in meeting wartime demands for the last ounce of productivity from each of us. The book is written for lay reading as well as to serve as a textbook.

**THE MINERAL RESOURCES OF AFRICA**—A. Williams Postel—*Univ. of Pennsylvania*, 105 p., illus., \$1.50.

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