

They can be designed to produce electricity for homes and businesses, again like Shippingport, or to test the effect of nuclear radiation on materials, such as the recently completed Engineering Test Reactor at Idaho Falls, Idaho.

They can be used to drive submarines like the pressurized water type in the Nautilus or teach students the workings of atomics.

But regardless of the type, size or purpose, when the Shippingport reactor goes critical, the United States will have come of atomic power age. If this time comes before year's end, when it is expected, it will be on the 15th anniversary of the first reactor in the world—Chicago Pile 1, started up in December, 1942.

Science News Letter, December 7, 1957

**BIOLOGY**

**Tests Show Alcoholism May Be Due to Heredity**

► **BLOOD** chemistry and urine tests have shown that alcoholism may be due to hereditary factors.

A group of Texas scientists told the National Academy of Sciences meeting in New York that they studied a group of male alcoholics and compared their biochemistry to that of a normal group who drank only in moderation.

Among the things compared were the total number of white blood cells, the amount of sodium, potassium and calcium in the blood, blood sugar, and the chemical composition of urine.

In all these characteristics, the alcoholics showed significant differences from the normals.

"While the evidence is far from complete, there is a strong presumption that a number of these items are under genetic control," the scientists said.

If this is true, then the ground work has been laid for tests that could be used to spot youngsters who are likely to develop into alcoholics.

The scientists reporting the findings were Drs. Roger J. Williams, Richard B. Pelton, Hertta-Maija Hakkinen and Lorene L. Rogers, The University of Texas, Austin.

Science News Letter, December 7, 1957

**AGRICULTURE**

**Aphid-Resistant Alfalfa Developed by U.S.D.A.**

► A NEW VARIETY of alfalfa, highly resistant to the spotted alfalfa aphid, can soon be grown, the U. S. Department of Agriculture has announced.

Named Moapa, the alfalfa was developed from resistant plants selected from a variety that is susceptible to the aphid. Each year the insect causes millions of dollars in damage to alfalfa. The variety is described as a non-winter, hardy alfalfa and is suitable for planting where the "parent" alfalfa variety, African, is grown.

Scientists with the crops research division of USDA's Agricultural Research Service, USDA's entomology research division and the University of Nevada's agricultural experiment station developed the new plant.

Science News Letter, December 7, 1957

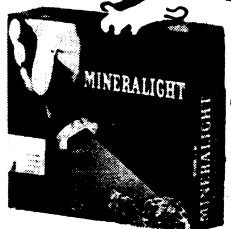
**a bright idea**

FOR A GIFT

EVERYONE CAN ENJOY

model NH MINERALIGHT

\$14.75



groups of fluorescent mineral specimens

Read about it free Department N

Ultra-Violet Products Inc. San Gabriel, California.

**PISTOL GRIP HOLDER**



for PAINT CAN and BRUSH! Like a 3rd hand for the painter! Whizzer hand-fitting pistol-grip easily fastens securely to quart can. Holds brush so drip goes back in can.

**\$1.** (3 for \$2.85) DELIVERED!

(Satisfaction guaranteed or money-back!)

DRUMCLIFF COMPANY DEPT. 167, TOWSON 4, MD.

**Surprise**

is expressed by many chemists when they find they can obtain 10 stainless steel weighing dishes all the same weight (to 1 mg.). Any dish a tare for all others in a set. Write for Leaflet SSWD/SNL.

R. P. Cargille Laboratories, Inc. 117 Liberty St. New York 6, N.Y.

**Self Illuminating 7 POWER MAGNIFIER**

A regular \$9.95 value now available at less than 1/2 former price. This quality built POWER MAGNIFIER uses not one but TWO PRECISION-GROUND OPTICALLY PERFECT COATED LENSES. Magnifies with startling sharpness and clarity.

Built-in self-illuminator uses two standard flashlight batteries. Opening in housing permits using with other instruments. Thousands of satisfied users among HOBBYISTS—STAMP COLLECTORS—MODEL BUILDERS—MECHANICS—JEWELERS—STUDENTS—LABORATORY TECHNICIANS—ARTISTS—TEACHERS—INSTRUCTORS—MEDICAL PROFESSION. Built in gauge measures in inches and centimeters.

Ruggedly constructed of chromed steel and bakelite for years of satisfactory service. Sorry no C.O.D.'s.



Only **\$2.98** complete

Does Not Include Batteries Larger 10 Power DeLuxe Model \$3.98

NOVEL MFG. CO., 33 Second Ave., Dept. M-2147, New York 3, N. Y.



**SELLS 95 STORIES AND NOVELETTES**

"The introduction you gave me to your editor friend, resulting in my assignment to do a novel for him monthly is appreciated, especially since I had finished my N.I.A. Course some time ago. To date now, I have sold 95 stories and novelettes to 20 magazines."—Darrell Jordan, P. O. Box 279, Friendship, N. Y.

**To People who want to write but can't get started**

DO YOU have that constant urge to write but fear that a beginner hasn't a chance? Here is what a famous editor said: "There is more room for newcomers in writing than ever before. Some of the greatest of writing men and women have passed from the scene. Who will take their places? Fame, riches and the happiness of achievement await the new men and women of power."

**A Chance to Test Yourself—Free**  
The Newspaper Institute of America offers a FREE Writing Aptitude Test. Its object is to discover more men and women who can add to their income by fiction and article writing. The Writing Aptitude Test is a simple, but expert analysis of your latent ability, your powers of imagination, logic, etc. Those who pass this test are qualified to take the famous N. I. A. course based on the practical New York Copy Desk Method which teaches you to write by writing. You work at home, in leisure time, constantly guided by experienced writers. Soon you acquire the coveted "professional" touch. Then you are ready to market your stories, articles and news items.

**Mail the Coupon NOW**

Taking the FREE Writing Aptitude Test requires but a few minutes and costs nothing. So mail the coupon now. Take the first step towards the most enjoyable and profitable occupation—writing for publication! Newspaper Institute of America, One Park Ave., New York 16, N. Y. (Founded 1925) (Licensed by State of N. Y.) (Approved Member, National Home Study Council.)

**FREE** Newspaper Institute of America One Park Avenue, New York 16, N.Y. Send me, without cost or obligation, your Writing Aptitude Test and further information about writing for profit as promised in Science News Letter, December 7, 1957.

Miss \_\_\_\_\_  
Mrs. \_\_\_\_\_  
Mr. \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_  
(All correspondence confidential. No salesman will call on you.) 117-W-787

Copyright 1957 Newspaper Institute of America

**Don't Wet Car To Wash It . . .**

Hear neighbors ask how you keep your car so shiny clean! Wipe off DRY on nice days with \$3 KozaK Auto DRY Wash Cloth. Takes only minutes. Hose-wash only 2-3 times a year if at all. KozaK safely wipes even dirtiest cars to proud beauty, higher trade-ins. Used for 32 years by over 11 million careful buyers like Cadillac owners. Guaranteed safe, easy, or money back. Let \$3 return you fifty in car-wash savings! Sold direct to you. Mail coupon now.

**KOZAK**

Auto Dry Wash

"made by people you can depend on to do the right thing"©

KOZAK, 899 S. Lyon St., Batavia, N. Y.

Please send postpaid at once:

REG. \$3 KozaK (millions use them) SUPER \$4 KozaK (lasts 4 times longer)

1 for \$3  1 for \$4

SPECIAL \$5.00 ORDER: 1 Regular (\$3) + 1 SUPER (\$4) = \$7 value for \$5, to help you decide on your next order whether SUPER or Regular suits you best.

check  cash

