

THE ROSCOE B. JACKSON MEMORIAL LABORATORY TWENTY-EIGHTH ANNUAL REPORT 1956-1957—Earl L. Green, director—*Jackson Memorial Laboratory*, 77 p., illus., paper, free upon request direct to publisher, Bar Harbor, Maine, Describing briefly progress made in research programs during the year.

SAY IT CORRECTLY IN MODERN GREEK—George C. Pappageotes—*Dover*, 28 p., paper, plus two-sided 33 1/3 rpm record, \$1.00. Giving the tourist the phrases he needs for traveling, staying at a hotel, etc.

SO YOU WANT A GOOD MUSEUM: A Guide to the Management of Small Museums—Carl E. Guth—*American Association of Museums*, 37 p., paper, 50 cents. Intended to aid in correcting mistakes observed during a 3-year study of conditions in small museums.

STAR IDEAS IN SCIENCE TEACHING: A Selection From the Winning Entries in the 1956-57 Science Teacher Achievement Recognition Program—Abraham Raskin, Ed.—*National Science Teachers Association*, 47 p., illus.; paper, free upon request direct to publisher, 1201 16th St., N. W., Washington 6, D. C.

THE STORY OF WOOL—*The Wool Bureau*, 24 p., illus., paper, 10 cents. A booklet of interest to students, housewives and others concerned with the purchase and use of wool fabrics.

TESTED DEMONSTRATIONS IN GENERAL CHEMISTRY—Compiled by Hubert N. Alyea—*Division of Chemical Education, American Chemical Society*, paper, \$1.50. To help and encourage high school chemistry teachers.

THIS WAY TO THE STARS—John M. Schealer—*Dutton*, 181 p., illus., \$2.95. Introducing children to the wonders of astronomy.

TRANSISTOR CIRCUITS—Rufus P. Turner—*Gernsback*, 160 p., diagrams, paper, \$2.75. Circuits tested by the author in his own laboratory and intended for the scientist, engineer and amateur experimenter.

TRANSISTORS WORK LIKE THIS—Egon Larsen—*Roy Publishers*, 64 p., illus., \$2.50. A book for children telling how these new devices work, how they are used, and how you can build your own transistor receiver.

VERTEBRATES OF THE UNITED STATES—W. Frank Blair and others—*McGraw-Hill*, 819 p., illus., \$12.00. Intended to serve as both a text and reference work for courses in vertebrate classification, ecology and natural history.

Science News Letter, September 21, 1957

CHEMISTRY

Nuclear Radiation Does Not Destroy Food Value

► CORN PROTEIN and wheat gluten sterilized by gamma rays from a nuclear reactor do not lose their nutritive value as foods, it was reported to the American Chemical Society meeting in New York.

University of Illinois scientists are carefully watching several generations of laboratory animals for signs of any possible genetic effects from irradiated diets. Drs. V. Chalam Metta and B. Connor Johnson reported irradiation did not produce off-flavors or odors and that the sterilized foods, in balanced diets, were completely acceptable to laboratory animals. However, in some cases irradiation changes the molecular structure of foods.

Dr. Metta said it is too early to make broad conclusions about the safety of radiation-sterilized foods, but experience with four generations of rats "has been encouraging and we feel there is room to hope the treated foods will prove safe." He anticipates another two years of study before a final report can be made.

Science News Letter, September 21, 1957

NEW! WORLD'S MOST AMAZING BARGAIN CATALOG

396 PAGES

NOW! THE LARGEST COLLECTION OF BARGAINS EVER ASSEMBLED IN ONE CATALOG!

NATIONALLY ADVERTISED MERCHANDISE • NEW and USED GOV'T. SURPLUS • FACTORY CLOSEOUTS • EXCITING IMPORTS!

From EVERYWHERE PALLEY'S now bring you items of every description! This fabulous catalog contains: Hand & Power Tools, Microscopes, Binoculars, Industrial and Building Materials, Housewares, Office Equipment, Sport & Outdoor Equipment, Cameras, Photo Supplies, Hobby Kits & "Gadgets", Electrical & Radio Supplies, Motors & Generators and a HUGE selection of Surplus Hydraulic Cylinders, Pumps, Valves, etc. So many items it's impossible to list them all. You'll have to see it to believe it!

Send 50¢ (for handling & mailing)
We'll refund your 50c on your first order of \$1.00 or more.



SAVE UP TO 85% AT PALLEY'S

GOV'T SURPLUS AND NEW MERCHANDISE

PALLEY'S SUPPLY CO.

ELECTRONIC MIX BARGAIN

SAVE ON GOV'T SURPLUS

We stripped the finest Gov't Surplus to bring you this Value. Includes solenoids, transformers, potentiometers, capacitors, switches, plugs, coils, rheostats, plus so many others we can't list them all. . . .

No. EL-MX100—100 POUNDS of PARTS \$19.95
No. EL-MX 50— 50 pounds of parts . . . 14.95
No. EL-MX 25— 25 pounds of parts . . . 9.95
No. EL-MX 10— 10 pounds of parts . . . 4.95

SPECIAL MICROSCOPE

HAS 80 - 120 - 200 - 300 - 400 & 600 POWER MAGNIFICATION WITH ILLUMINATED SUB-STAGE MIRROR and TRIPLE TURRET

Now you can change magnification with a simple shift of the dual eyepiece turret. No loss of focus — No re-adjustments — Your choice of 10X or 15X eyepiece with any of the objective lenses instantly!

INCLUDES THESE ADDED FEATURES:

Has triple revolving turret with 8X., 20X & 40X precision ground and polished lenses — Dual eyepiece turret with 10X and 15X lenses — New Patented Sub-Stage with a built-in, battery operated light, no external light source needed — A large sub-stage mirror with revolving variable iris — All-metal precision made body, inclines through 90° — Special fitted hardwood case and glass slides.

NEWLY DEVELOPED IMPORT

SPECIAL \$16.95

AMAZING NEW IMPORT TERRESTRIAL & ASTRONOMIC TELESCOPE

83 POWER—40 POWER or 23 POWER PLUS A VARIABLE 25 and 60 POWER TERRESTRIAL TELESCOPE

Look what you get at this Low Price PLUS a Money Back Guarantee & a 10 Day FREE Trial! You can't lose unless you miss this!

Check These Top Quality Features:

- 1.—Astronomical Lenses—Precision ground, fully achromatic. Three Powers—23X—40X and 83X.
- 2.—Variable Power Eyepiece of 25 & 60X for straight through viewing. Fully corrected for terrestrial sighting
- 3.—All Steel Body for a lifetime of use
- 4.—Length 19-1/2" — extends to 22-1/2"
- 5.—Coated Objective Lens—50mm dia.
- 6.—Top Quality Sun Filter.
- 7.—Finest Diagonal Prism.
- 8.—4 Power Searching Scope with 10mm Lens and cross-hair reticle.
- 9.—Free-swinging. Universal adjustments with positioning lock.
- 10.—2-Piece Hardwood Tripod. Only 30" long folded but extends to 4-1/2 ft.
- 11.—Fitted Hardwood Case for all parts.

FREE BOOK ON STARS — Tells you all about the stars and the constellations — Where to find them at different times — How to identify them and many other intriguing facts on astronomy.

EXTRA 100X EYEPIECE **750** 125X EYEPIECE **995**

83 and 40 POWER ASTRONOMIC SCOPE

Very similar to scope above but has 83X & 40X eyepieces with a 40MM objective lens. Also has a variable eyepiece of 25—30X. Steel tube body is 26" long. Included with scope is sunglass, a pair of prisms (1 erecting), a hardwood tripod and a fitted case.

Only 39.95




25 POWER x 30 MM TELESCOPE & TRIPOD

Nowhere but at PALLEY'S can you find a buy like this! Here's a scope, complete with a sturdy metal tripod, that you can have a lot of fun with. Use it to spot hits on the target, for star-gazing, interesting views at the beach, etc. Made of aluminum and chrome plated brass. Field- 62 ft. at 1000 yds. 1-3/16" dia. lens.

NEW 895 2500 VAL.

The items shown here are but a small sampling of the thousands of items in our NEW CATALOG (at the top of this ad). You will find many more bargains in Microscopes, Motors, Hobby & Precision Tools, etc. Order your copy NOW.

1/6 H.P. - 115V. AC MOTOR ONLY 7.95

Another Palley Bargain Buy! MOTOR, HANGER MOUNT and DUAL V-BELT pulley included. An ideal shop motor. Operates on 115V., 60 cycle, 1-phase and draws 3.8 amps. Turns 1725 RPM. Pulley is 2" dia., and takes 1/2" & 1/4" V-belts. Hurry — stock limited.

4-SPEED HOBBY MOTOR ONLY 10.95

A rugged precision built electric motor uses 110 Volt, 60 cycle current. Originally built for the Navy — NOW converted for YOU! Has four take-off shafts for different speeds of 5, 25, 150 and 4000 RPM.

PERISCOPE PRISM

Made of finest optical glass. Bends light rays 90 degrees. Can be adapted to lens, lights, etc. Size 5"x 1". With mirror reflector — **59¢**
Pure Prism, without mirror — **23¢**

GUN CAMERA ERECTING PRISM

Permits camera to be mounted parallel to the focal plane. Image is turned 90° by two first surface mirrors set at 45° angles. Mirrors and aperture lens are finest optical glass. Made by Bell & Howell.

ORIG. GOV'T COST \$54.00 NOW 9.95

NEW 3 INCH 90° GUN CAMERA LENS ASSEMBLY—GOV'T COST \$75

For some purpose as item above. This assembly consists of the camera lens as well as the erector unit. Lens is made by Eastman. 3-inch focal length (16mm telephoto) with speed of f-3.5. Erector assembly has 2 first surface mirrors and yellow filter.

995

EXACTOR HYDRAULIC REMOTE CONTROL MASTER & SLAVE

Consists of two units. Designed to operate controls on boats, machinery, engines, motors, etc. without need for rods, cables, pulleys, etc.

When connected with 1/4" tubing & filled with oil they act as a precision, remote controller. When Master handle is moved, Slave arm responds in exact motion. Range is 0 to 90 degrees.

USED 2750



2263 E. VERNON AVE. DEPT. N-9
Los Angeles 58, California