

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!

- 1—Astronomical LENSES—Three of 23X, 40X and 83X magnification. Achromatic & precision ground.
- 2—Variable Power LENS of 25 & 60X for straight through viewing. Fully corrected for Terrestrial sightings.
- 3—BODY—Steel for a lifetime of use.
- 4—LENGTH—19-1/2" 22-1/2" extended.
- 5—Objective LENS—Coated large 50mm.
- 6—Top Quality SUN FILTER
- 7—One Diagonal PRISM
- 8—4 Power x 10mm Searching Scope with cross hair reticle.
- 9—ADJUSTMENTS—Both free-swinging and universal with lock for positioning.
- 10—Hardwood TRIPOD—Two section type, 30" folded, 4-1/2 ft. extended.
- 11—Fitted Hardwood CASE for all parts.

7995 WITH TRIPOD

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 ASTRONOMICAL 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 unglazed, a pair of prisms (1 erecting), a hardwood tripod and a fitted case.

Only 4995

NEW NAVY 6 POWER SCOPE

A remarkable Navy Surplus Bargain. Originally designed as an Azimuth Telescope which mounted above the Gyro Compass. Has approx. 6 POWER. Finest Quality fully coated lenses. Crosshair reticle. Adjustable eyepiece, A Sun filter and a Haze filter. New cond. Cost Gov't \$150.00

2495

NEW COMBINATION 4-6 or 10X EYE LOUPE

The newest in Eye Loupes. A 2-piece, 10X precision unit with a 6X lens that screws on to a 4X base lens. Can be used as a 4X, 6X or 10X magnifier.

125

10 POWER NAVY SPYGLASS

4500 VAL.

Here's a real optical bargain. Manufactured by Wollensak for the U.S. Navy, Bureau of Ships. A 10 POWER 'Officer of the Deck' Spyglass. Has top quality, fully coated, precision ground lenses. Adjustable eyepiece. Overall lgh., 22 1/2". Comes in a hardwood case with brass hinges and locks.

2275

SPYGLASS— Same as above but ALL NEW — **2995**

Questions

BIOCHEMISTRY — What is photosynthesis? p. 3.

GENETICS — How does heredity affect the mind? p. 9.

MEDICINE—When was atomic medicine born? p. 4.

How does properdin affect cancer growth? p. 6.

PHYSICS—What three kinds of nuclear reactions are now known? p. 5.

SURGERY — How can the appearance of scarred faces be improved? p. 7.

Photographs: Cover and p. 5, University of California; p. 3, U. S. Air Force; p. 7, Phillips Petroleum Company; p. 10, British Information Services; p. 16, Eastman Chemical Products, Inc.

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.

895

2500 VAL.

AMAZING NEW DESIGN 60 to 600 POWER — 2 EYEPIECE SPECIAL MICROSCOPE

HAS 60 - 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 6X or 20X eyepiece with any of the objective lenses instantly!

INCLUDES THESE ADDED FEATURES:

- Has triple revolving turret with 10X, 20X, & 30X precision ground and polished lenses — Dual eyepiece turret with 6X and 20X 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, Ideal Xmas Gift!

NEWLY DEVELOPED IMPORT

SPECIAL \$1695

AMAZING NEW DESIGN 60 to 450 POWER MICROSCOPE

Take advantage of our tremendous foreign purchase. Ideal for use by the Amateur, Scientist, Student.

- 1—Has Triple Revolving Turret with 10X, 20X and 30X precision ground and polished lenses.
- 2—Two interchangeable eyepieces of 6X and 15X with precision ground and polished lenses.
- 3—SIX MAGNIFICATIONS for all purposes—60X, 120X, 150X, 180X, 300X and 450X.
- 4—New Patented Sub-Stage with SELF-CONTAINED LIGHT. No external light source is needed.
- 5—Large sub-stage mirror for use with external light when desirable.
- 6—All Metal Body — precision made. Inclines through 90 degrees.
- 7—Special hardwood case and 3 glass slides included.

FREE WITH MICROSCOPE
This eight piece disassembling set contains Scalpel, Tweezers, etc. Free with microscope above.

1295

HAS 60, 120, 150, 180, 300 and 450 POWER MAGNIFICATION

SAVE PALLEY 100 - 200 - 300X BUY MICROSCOPE NOW

Perfect GIFT for STUDENT — AMATEUR SCIENTIST

A triple revolving, objective lens turret allows selection of 100, 200 or 300 POWER magnification. Has fine, ground and polished lenses and ALL METAL construction. This instrument is NOT A TOY! Right or left hand rack & pinions make smooth, precise adjustments. Body inclines 90°.

795

WAS 1295 NOW

NEW ILLUMINATED MAGNIFIER

Provides 5 POWER magnification with brilliant illumination for precise inspection of any substance, material or specimen. The head contains a 50 MM lens and has internal calibrated scale to show relative size of subject. Body is nickel plated metal and holds 2 flashlight batteries. Head is molded bakelite. Takes a regular flashlight bulb.

1295 VALUE

ONLY 495

NEW EASTMAN 178MM AERO EKTAR f/2.5 CAMERA LENS WITH 7" FOCAL LGTH.

Originally designed for use on the K-21 and K-24 Aerial Cameras. A genuine EASTMAN AERO EKTAR, 178mm lens. Has f-stops from 2.5 to 16. Focal length is 7". This amazing lens is NEW — In original can. Guaranteed perfect condition. Excellent for Color or Black & White. Exceptionally fine for night work or in poor light conditions. Comes with 2 filters — 1 Polarized for haze, etc., and one yellow. Also included is a filter adapter, a lens heater for high altitudes and a lens dust cap. Can be adapted to 35mm or Speed Graphic Cameras as a telephoto lens.

6950

2000 VAL.

SPEED GRAPHIC ADAPTERS for above lens — Includes Lens Board, Extension Tube and Bed Support.

2-1/4 x 3-1/4" **2175** 3-1/4 x 4-1/4" **1875**

4 x 5" **1475**

35 MM ADAPTERS FOR ABOVE LENS — Complete — no other parts to buy. Will focus from 8 ft. to infinity — setting marked on the mount.

8950

LEICA — CONTACT S&D — EXACTA

CONTACT 2A . . \$109.50 HASSALBAD . . \$139.50

NEW 9" NAVY PROJECTOR LENS

Originally used as a Motion Picture Projector Lens. Contains the very finest coated, optical lens in a precision machined, stainless steel barrel. Has a 9" focal length. Lens diameter is 1 1/2". Ideal for use on a 35mm Slide Projector or for larger 2 1/4" x 2 1/2" to 4" x 5" transparencies.

1595

MICROSCOPE SUB-STAGE CONDENSER

\$4500 VAL. ONLY 1250

Made by Bausch & Lomb. Contains two precision, optical lenses that alone are worth much more than this low price. Objective lens is an Abbe 1.25 N.A. Has an iris diaphragm. Adaptable to use in photomicrography or as reduction lens.

10" f/4.5 EYEMAX TELEPHOTO LENS

Made by Bell & Howell for the Eymo Camera but easily adapted to any single-lens camera with a 25mm (or larger) lens diameter. Has f-stops from 4.5 to 22. Focal length is 10" (254mm). Makes a terrific telephoto lens for all cameras up to 5" x 7" size. Overall length 10". Comes with built-in sunshade. ALL NEW! Guaranteed perfect!

6750

4 SPEED BARBECUE and HOBBY MOTOR

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. A \$35.00 Value

895

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PSYCHOLOGY

Rulers of Nations Called The Most Criminal Group

➤ RULERS, modern as well as ancient, are the most criminal group in their populations, Russian-born Prof. Pitirim A. Sorokin of Harvard University told the American Association for the Advancement of Science meeting in New York.

The rate of murderers found among rulers runs as high as one out of four or even one out of one, Prof. Sorokin reported.

Prof. Sorokin's research into the criminality of rulers included English, Russian, French, German, Austrian and Turkish monarchs, and the presidents and bosses of republics. Rulers' murders include the killing of father, mother, wife, brother and so on, he said.

Discovery of atomic energy and nuclear weapons challenge social scientists to find a way to prevent misuse of these modern advances by criminals, selfish groups, and especially by the governments of states, he pointed out.

"There is hardly any doubt," he warned, "that within one or two decades the nuclear weapons will pass into the hands of criminals. And there is no certainty that the rulers of nations would not misuse the nuclear weapons by plunging mankind into international or civil wars."

The ruling groups of today are possibly the most dangerous groups for the well-being of mankind, Prof. Sorokin warned.

Recent advances in the physical and biological sciences also call for abandonment of many theories of the social sciences as scientifically untenable. He included among the theories requiring drastic revision or abandonment the Freudian theory of personality and human behavior and the Darwinian theory of the struggle for existence.

Science News Letter, January 5, 1957