

Questions

ASTRONOMY—How cold was it, according to one theory, when the sun, earth and other planets were formed? p. 214.

□ □ □

BIOCHEMISTRY—Where is Fraction I, a plant protein, found? p. 217.

□ □ □

PALEONTOLOGY—What reason is given as a possible explanation for giant ape's failure to survive? p. 213.

□ □ □

PHYSICS—What gas was involved in experiments designed to create temperatures many times as high as the sun's surface? p. 215.

□ □ □

Photographs: Cover, British Information Services; p. 211, U. S. Coast Guard; p. 213, U. S. Navy; p. 215, National Carbon Company; p. 218, U. S. Forest Service; p. 224, Racine Speciality Mfg. Co., Inc.

MEDICINE

Cough Remedy More Effective Than Codeine

➤ A COUGH medicine, two and a half times as good as the old standby, codeine, is reported by scientists at the Point Edward Hospital, Sydney, Nova Scotia.

Called Tesselon, the cough remedy is non-narcotic and creates no bad side effects.

It was tested on persons made to cough purposely by inhaling a mist made from a citric acid solution. One group was given codeine medication an hour before the test while another one was given Tesselon.

The new drug stopped 80% of the coughing while codeine stopped only 50% of it.

Codeine has been the standard anti-coughing medicine for many years, and until now no substitute has been found that equals it, dose for dose, in either effectiveness or simplicity.

Other cough suppressants have appeared on the market from time to time, but finally disappeared.

The Tesselon used in the trials was supplied by the Ciba Company of Canada.

Authors of the report, which appears in the *Canadian Medical Association Journal* (Sept. 15), were Dr. S. J. Shane, now at Dalhousie University, Halifax, N. S., T. K. Krzyski of the hospital, and Dr. S. E. Copp, now at Newington, Conn.

Science News Letter, October 5, 1957

Do You Know?

A synthetic *fluid* has been produced that functions as a liquid at temperatures from minus 65 degrees Fahrenheit to 400 degrees Fahrenheit.

Combustion can occur without a hot flame being present, since combustion is simply another word for oxidation.

Injecting *livestock* "on-the-hoof" with the antibiotic oxytetracycline permits the high-temperature aging of meat, without spoilage, to obtain better color, tenderness and flavor.

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 50¢ on your first order of \$1.00 or more.

SPECIAL MICROSCOPE

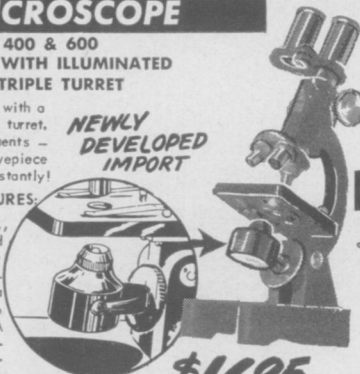
HAS 80 - 120 - 200 - 300 - 400 & 600 POWER MAGNIFICATION WITH ILLUMINATED SUB-STAGE MIRROR and TRIPLE TURRET

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 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 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 8.95 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.

TERMS: Send Check, Cash or Money Order 50% Deposit with C.O.D.s. Prices F.O.B. Los Angeles, Calif Warehouse

Palley's

2263 E. VERNON AVE. DEPT. N-10 Los Angeles 58, California

ELECTRONIC MIX BARGAIN



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

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.

A \$35.00 Value

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 - 5.95 Pure Prism, without mirror - 2.25

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 4.95

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. 9.95

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 27.50