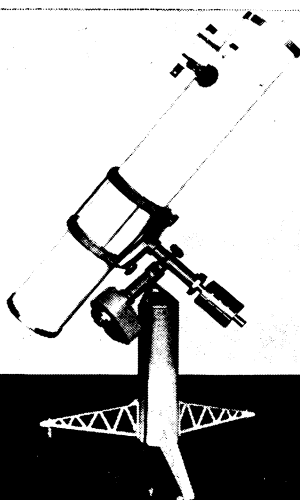


ASTRONOMICAL TELESCOPES FOR EDUCATIONAL USE



Presenting our all new Astrola 8" light-weight deluxe Reflecting Telescope, with fully rotating tube, clock drive, setting circles, Powers 60X to 360X, price \$495 complete.

6" Reflecting Telescope from \$200 up.
Send for our Free Color Catalog.

CAVE OPTICAL CO.

Since 1952

Dept. SN5, 4137 East Anaheim Street
Long Beach, Calif. 90804
Phone (213) 434-2613

**IT'S EASY to send
a gift subscription to
science news
simply fill out and mail
this coupon**

science news

1719 N Street, N.W.
Washington, D.C. 20036

Please send a gift subscrip-
tion in my name to:

Name.....
Address.....
Occupation.....
City.....
State..... Zip Code.....

— Check One —

1 year \$7.50 2 years \$13.50 3 years \$19.50

— Check One —

Check or money order herewith Bill Me

Name.....
Address.....
City.....
State..... Zip Code.....

vaccines cover these two types, but not yet type B, which was believed to be the cause of an epidemic at Ford Ord, Calif., in 1964.

"We cannot actually say that our vaccine prevents meningitis," Dr. Arntstein says. "The vaccine is safe, it does produce antibodies and reduces the transmission from person to person. More work needs to be done before it can be approved by the Army Investigational Drug Review Board."

Meningitis in the U.S. develops most often where people live in crowded quarters.

Dr. Emil C. Gotschlich, who headed the research team before he became an assistant professor at Rockefeller University in New York City, describes the vaccine as a purified portion of the bacterium that causes the disease. It consists of polysaccharide antigens which cause the body to develop its own defense against meningitis.

DRAFT

Lottery again

"Draft the youngest first" is advice that has been given to the Government by many—including drill sergeants who find younger bodies more malleable than men in their middle twenties. But present draft practice takes the oldest, sometimes men as old as 26.

Now President Nixon proposes a reversal of the field. He is asking Congress to change the law so that selection by lot will start with 19-year-olds.

Local boards would take men in the order of their birthdays as determined by one lottery. A second lottery would determine the order of drafting for those born on the same day.

What the President and many others seem to have missed, says Betty M. Vetter of the Scientific Manpower Commission, is that no matter how you establish a prime selection group, so long as you take the oldest first, you already have a totally random system, and all the scrambling is not necessary.

Switching prime eligibility to the youngest age group would, however, aid graduate students. "Almost anything that would take away the concentration on graduate students, brought about by the combination of taking away their deferments and continuing to make the oldest men the most eligible, would be of benefit to them," says Mrs. Vetter.

But passing the bill through Congress will take time—and a lottery draft bill failed two years ago. Without emergency administrative action in the meanwhile, says Mrs. Vetter, "there is no way to avoid taking out of graduate study an inordinate number from three classes." ◇

Trippensee Transparent Celestial Globe



The 16-inch Trippensee® Transparent Celestial Globe is made from durable 1/4-inch acrylic plastic. It is complete with all major stars, constellations, multiple and variable stars, a 6-inch earth globe, calibrated internal horizon ring, and compass in the base for proper orientation. The globe also features a unique color-coded design which enables the stars to be seen as an observer would view them from the earth. The Trippensee Celestial Globe is a precisely accurate piece of equipment as well as an ideal decorator item for den or family room. Write for details or send check or money order to:

Price delivered \$94.50

TRIPPENSEE PLANETARIUM CO., INC.
2201 South Hamilton St., Saginaw, Michigan 48602

Super Jet OVER 2000° F.

SOLID FUEL BLOWTORCH

A Jet Age Creation
NO PREHEATING — STARTS AT ONCE.
You can solder, silver solder, braze, anneal or harden, form glass with this amazing new torch. Non-explosive! FAST, CLEAN and SAFE. Each tablet gives high heat for ten minutes, can be extinguished & relighted. Lifetime guarantee. Super Jet and 12 tablets (2-hour supply) with directions

Extra tube of 12 tablets 50c.

THE BIRK MFG. CO.
Box 297, Waterford, Conn. 06385

\$225

Post Paid
No C.O.D.
please

FREE
50
PAGE
OBSERVER'S
GUIDE

UNITRON

ASTRONOMICAL TELESCOPES
OBSERVER'S GUIDE



With artificial satellites already launched and space travel almost a reality, astronomy has become today's fastest growing hobby. Exploring the skies with a telescope is a relaxing diversion for father and son alike. UNITRON's handbook contains full-page illustrated articles on astronomy, observing, telescopes and accessories. It is of interest to both beginners and advanced amateurs.

CONTENTS INCLUDE:

Observing the sun, moon, planets and wonders of the sky • Constellation map • Hints for observers • Glossary of telescope terms • How to choose a telescope • Astrophotography

UNITRON

INSTRUMENT COMPANY • TELESCOPE SALES DIV.
66 NEEDHAM ST., NEWTON HIGHLANDS 61, MASS.

Please rush to me, FREE of charge,
UNITRON'S OBSERVER'S GUIDE and TELESCOPE

CATALOG #H-5

Name.....
Street.....
City..... State.....