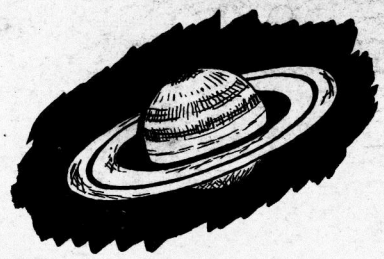
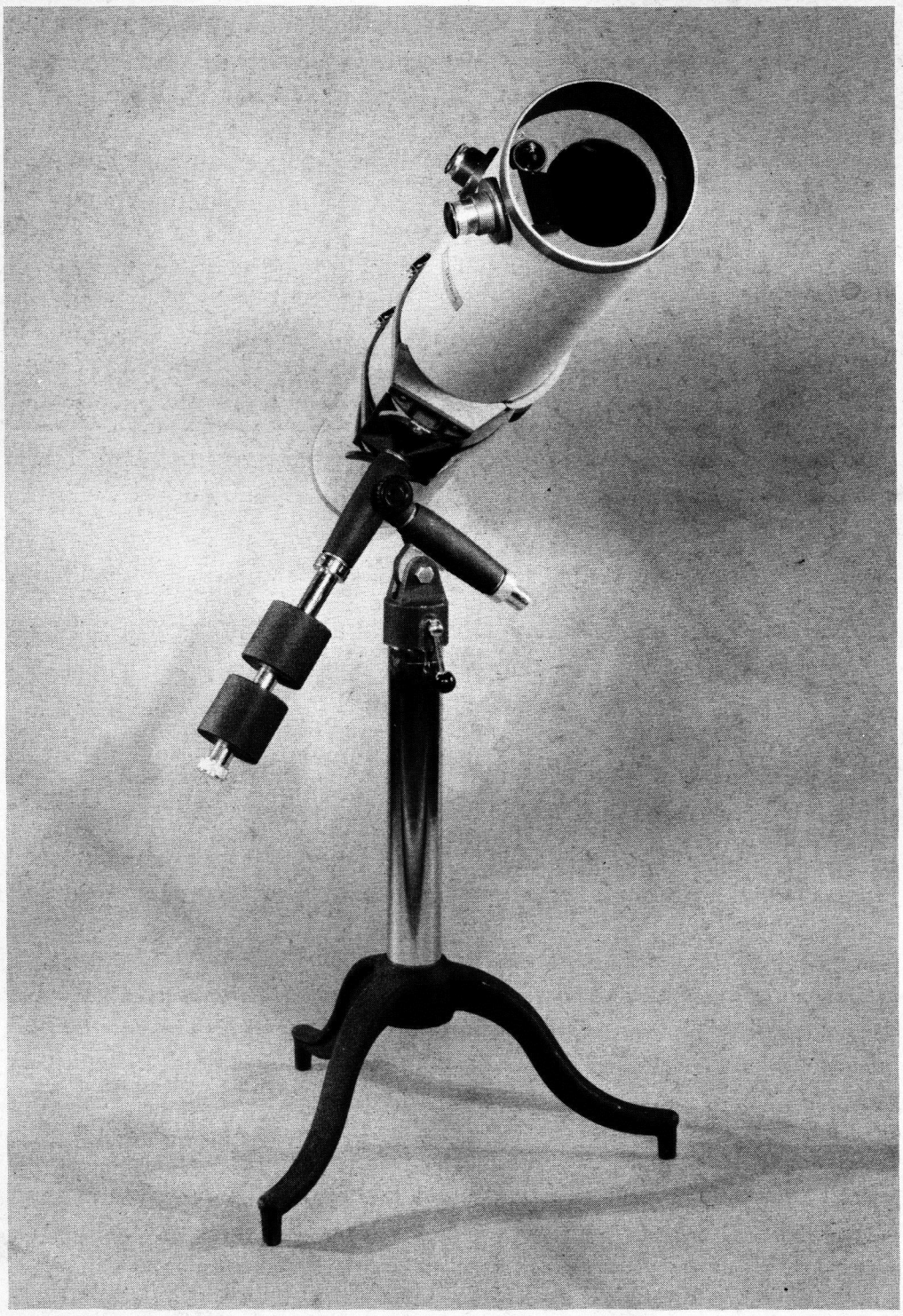
The FI-NIS 425



OFF - AXIS CATADIOPTRIC astronomical telescope



MANUFACTURED EXCLUSIVELY BY

OPTRON LABORATORY DAYTON, OHIO U.S.A.

DESCRIPTION OF FI-NIS 425

A NEW ASTRONOMICAL TELESCOPE, for the first time, achieves practical perfection. Its OFF-AXIS construction with a SCHMIDT type aspherical correcting lens of TELESCOPIC ACCURACY and a spherical primary mirror, embodies every feature considered desirable for ideal observing and photographic performance. These features include:

An entirely clear aperture . . . no disturbances caused by secondary mirrors and their supports.

Fully achromatic . . . no spurious color effects.

Highest possible resolution and contrast characteristics.

Large, highly corrected field.

Solid, closed tube construction, minimizing air currents and contamination of mirror surfaces . . . the need for frequent realignment of optical parts, commonly necessary with ordinary reflectors, is completely eliminated.

Permanently aligned, built-in Finder.

Size and weight permitting practical portability . . . readily operated by inexperienced users without danger of damage.

Precision quality of execution of the above creates a superior, entirely adequate, and unbelievably pleasing means of space exploration, requiring a minimum of physical effort. Long instrument life can be expected.

Terrestrial photography and observation are practical with The FI-nis 425 even though its principal application is in the field of astronomy. The absence of an undesirable blind spot in the eye-opening, caused by the small secondary mirror in on-axis reflectors, is particularly noticeable when using the lower magnifications found advantageous during daylight hours. The optical and mechanical construction provides freedom from extraneous light.

Only through the FI-nis 425 can one realize optical power, to the extent required for critical and satisfying examination of extra-terrestrial objects, without experiencing the detracting side effects commonly associated with telescopic vision. Scientific writings indicate the value of an OFF-AXIS system . . . one look through this remarkable telescope, now commercially available, is sufficient proof of real achievement. This is the telescope often declared the most desirable but too difficult to make . . . It is yours at modest cost.

OFF-AXIS CATADIOPTRIC DESIGN – Schmidt type corrector closes tube

CLEAR APERTURE: 4¼ inch diameter

SPHERICAL PRIMARY MIRROR: 5-inch diameter, 54-inch focal length

RESOLUTION: 1 angle second

CORRECTED FIELD: Exceeds 1 degree

CONTRAST: Unexcelled . . . extremely black background

MAGNIFICATIONS: Useful range from 43X to 344X

TUBE: 7-inch diameter, 54 inches long, made of seamless aluminum . . . anodized finish . . . Adjustable counterweight included

FINDER: 6 power with 1¼-inch diameter achromatic objective, built-in and permanently aligned

COVER CAPS: Spun aluminum . . . Fit front of telescope and ocular

OCULAR: One 24 mm (57X) Brandon orthoscopic ocular is supplied with telescope, other powers available are shown in list below

FINISH: All parts of the FI-nis 425 are protected against corrosion with appropriate finishes

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ACCESSORIES

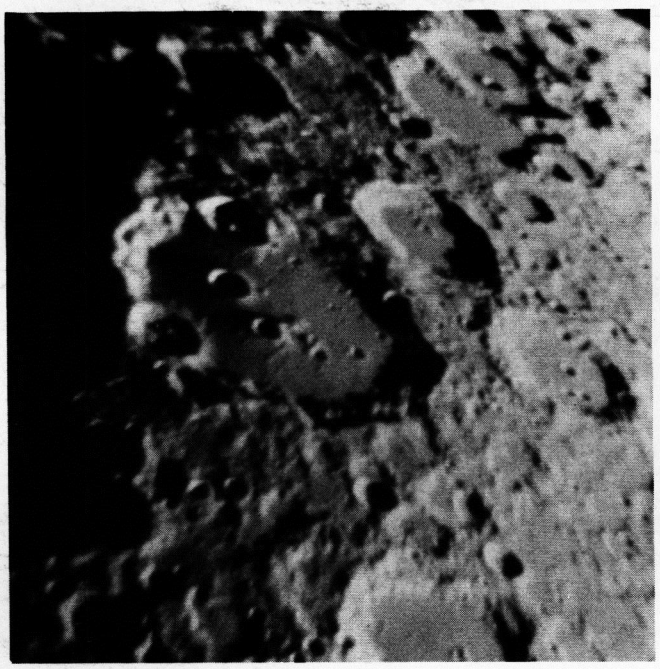
MOUNTING: Basic equatorial portable as shown, ruggedly constructed with a cast iron base finished in baked black enamel . . . a chrome plated tubular steel post 2½-inch diameter . . . self-lubricating sleeve bearings in machined aluminum castings . . . friction adjustments are easily made so as to obtain smooth movements. The mounting is readily assembled without tools . . . fits in trunk of car. The FI-nis 425 is attached and located automatically on saddle of mounting even in the dark. It is held in place with leather straps which snap tight. The tube rotates for best eyepiece position.

OCULARS: Brandon orthoscopic –

32 mm (43X) – lowest power, widest field
24 mm (57X) – standard low power
16 mm (86X) – moderate power
12 mm (108X) – moderate power
6 mm (228X) – standard high power
4 mm (344X) – special high power

SHIPPING WEIGHTS: The FI-nis 425 – approx. 25 lbs.
Mounting - - - - - approx. 50 lbs.

FI-NIS 425



A TYPICAL LUNAR LANDSCAPE AS IT APPEARS THROUGH THE FI-NIS 425.

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MANUFACTURERS OF PRECISION OPTICAL PARTS SINCE 1941.