

Celestron[®] Multipurpose Telephotos

At 15 feet, a water strider dimples the surface of a pond.

At 100 feet, a red-tail hawk presents its profile, and blinks, in search of prey.

At 300 feet, a line-backer strains behind his

iceguard as he reaches for the opposing quarterback.

At a quarter of a mile, a bikini-clad beachwalker, backlit by the setting sun, turns to face the sea.

Shoot it.

Or see it.

With a Celestron Multipurpose Telephoto.

Then, at night, mount the lens on tripod, and enjoy some of the finest celestial viewing you've ever experienced.

You'll view thousands of lunar craters and mountain ranges... the rings of Saturn... the ever-changing cloud belts and shuttling moons of Jupiter.

Under dark skies, you'll marvel at sparkling star clusters set against the Milky Way, glowing nebulae etched with dark clouds of dust, and the spirals of distant galaxies.

Celestron Multipurpose Telephotos. Their space-age optical quality, their compact design and their incredible versatility...



You've Waited. Now it's Here.

This is the long-lens system you've been waiting for.

At the heart of the system: the renowned Schmidt-Cassegrain mirror/lens configuration — selected by professional astronomers for its razor-sharp images over a wide flat field and by aerospace engineers for its compactness as a space probe.

Every system is fully baffled to increase contrast, features a micrometer focusing knob to assure smooth, precise focusing, and comes ready for use with 35mm-SLR-cam-

era-body T-mount and tripod adaptor block.

For terrestrial viewing or scanning the night skies, replace the T-mount with our visual back and one of our image-erecting systems, then select from our extensive line of oculars.

For observing the Moon or planets in intricate detail, we offer a Barlow lens to double the power of any ocular, and for observing the Sun in complete safety we offer a choice of front-cell solar filters.

For still photography, just couple your 35mm camera body to the T-mount with a camera ring, and shoot

...make the world of the long-lens



750MM HAND-HELD AT 80 FT. JIM CORDRAY



750MM HAND-HELD AT 250 YDS. JIM CORDRAY

The Celestron Schmidt Telephoto

This is how it works:

The light

a) enters the system through a thin aspheric corrector lens,

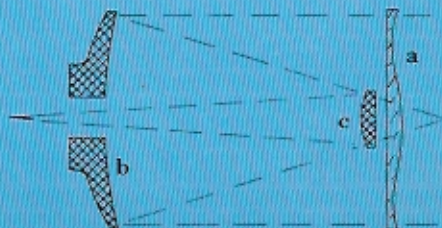
b) is reflected by a large spherical primary mirror toward prime focus,

c) is intercepted ahead of prime focus by a convex secondary mirror and reflected back through a hole in the primary to Cassegrain focus.

The thin corrector lens has the effect of producing brighter, sharper,

more color-faithful images over a wider flat field.

The folded optical path makes possible to compactly package focal lengths that are three to seven times as long as the focal length of the primary alone.



away. Series 6 filters nestle securely between the T-mount and rear-cell recess of the lens.

For motion picture photography, we offer a camera ring for your 16mm camera, and for ultra-high-power stills, just couple your camera body to our Tele-Extender tube and project to the film plane with an ocular.

Celestron Multipurpose Telephotos are available in four models:

- a four-pound 750mm, f/6 with a tube length of 10 inches,
- a four-pound 1250mm, f/10 with a tube length of 11 inches,

- a 12-pound 2000mm, f/10 with a tube length of 17 inches,
- and a 50-pound 3900mm, f/11 with a tube length of 30 inches.

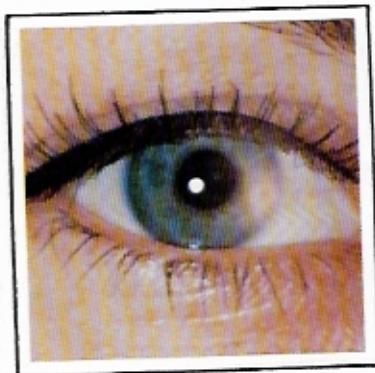
And they're available at about half the price you'd expect.

Fantastic?

Fantastic.

The 2000mm, f/10 and the 3900mm, f/11 are the optical tube assemblies of the Celestron 8 and Celestron 14 Telescopes. For specifications, prices and accessories not listed here or on the enclosed order form, consult the Celestron Telescope Catalog and price list.

photographer a little more colorful.



1250MM ON TRIPOD AT 30 FT. TOM JOHNSON



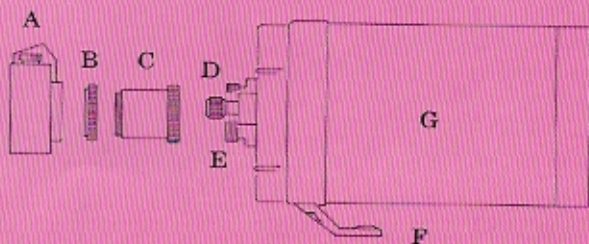
750MM HAND-HELD AT 50 FT. JIM CORDRAY

How Your Camera and Our Lens Get It Together

Virtually any 35mm single-lens-reflex camera couples instantly to Celestron Multipurpose Telephoto. Just remove the lens of the camera and attach the camera body to the T-mount with your camera ring.

(For filter photography, the rear-cell recess of the telephoto accepts Series 6 filters.)

Below: A) your camera, B) T-camera ring, C) T-mount, D) focus knob, E) rear-cell recess, F) tripod adaptor block, G) our lens.



Basic Telephoto Specifications*

Celestron	750mm, f/6	1250mm, f/10
Focal Length	29.5"	50"
Photographic Speed	f/6	f/10
Near Focus	15'	20'
Resolution (theoretical limit)	333 lines/mm 0.8 arc sec.	200 lines/mm 0.8 arc sec.
Photographic Power	15X	25X
35mm-film Field at 20'	6.4" X 10"	3.4" X 5.3"
100'	2.7" X 4.2"	1.7" X 2.7"
300'	6" X 9.4"	5.3" X 8.3"
Unvignetted Field (without adaptors)	2.5" circle	1.8" circle
Useful Visual Powers	30-300X	30-300X
Visual Field at 1000 yds. (with 25mm ocular)	1.4° or 73'	.8° or 42'
Construction	Aluminum	Aluminum
Tube Dimensions	5.5" X 10"	5.5" X 11"
Tube Weight	4 lbs.	4 lbs.
Carrying Case	7" x 9" X 12"	7" X 9" X 12"
(35mm-camera-body T-mount and 1/4" X 20 tripod adaptor block standard with each lens.)		

*For data on the 2000mm, f/10 or 3900mm, f/11 telephoto, including specifications, accessories and prices, consult the Celestron Telescope catalog and price list.

Olympus Redefines the 35mm

The Olympus OM-1 35mm SLR. The experts are raving about it. And for good reason.

Compared to the average 35mm SLR, the OM-1 is 35% lighter and more compact.

It's also about 35% quieter.

And the field of its viewfinder is about 30% larger and 70% brighter.

Which is plain to see with any one of the 12 optionally offered interchangeable focus screens.

Or with the optional right-angle Varimaghi Finder. Flick: you focus at 1.2X. Flick: you're focusing at 2.1X.

The OM-1. It's 35% more of what a 35mm SLR should be. And it's

available now, with selected accessories, from us.

Ask for your free booklet.

