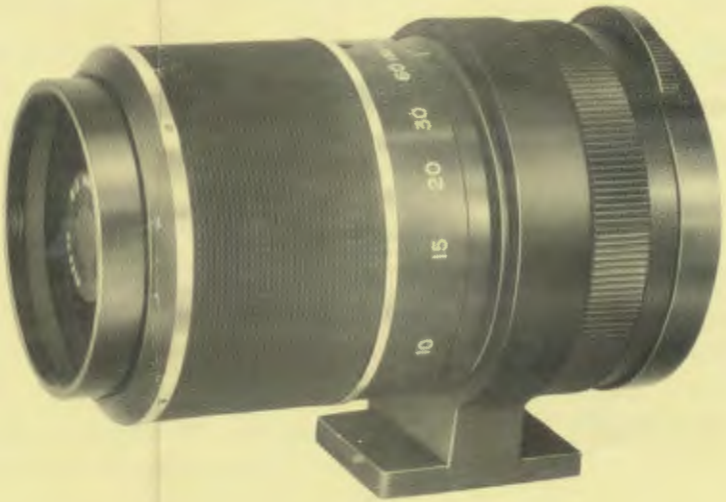
INSTRUCTIONS
FOR
500mm MIRROR LENS



THE MIRROR LENS

Compared with refractive lens system, the unique design of the MIRROR LENS gives superior optical performance. It is a compound catadioptric lens system which encompasses a 500mm focal length optical path in a barrel only 7-1/4" long. This perfect optical arrangement eliminates chromatic aberration and gives a well-corrected, sharp image over the entire negative or slide.

The MIRROR LENS is ideal for sports and nature photography, especially when hand-held shooting is required. Distance settings range from 10 feet to infinity.

"T" system camera adapters are available for using the MIRROR LENS with most popular 35mm single lens reflex cameras. Screw the appropriate "T" adapter onto the rear of the lens and mouht the lens to the camera body in the usual manner. Tripod mount allows lens to be held by camera. Use of "T" Adapters dose not alter focal distance of lens.

LENS SPEED AND DIAPHRAGM

The MIRROR LENS has a fixed aperture of f/8 as this particular lens system dose not require a variable diaphragm. Exposure is determined by the proper combination of shutter speed and built-in filters. Aperture with no filter is f/8. An effective aperture of f/11 is obtained by use of a 2X neutral density filter. An effective aperture of f/16 is obtained dy the use of a 4X filter. Remember that aperture with no neutral density filter is f/8.

HOW TO OBTAIN PROPER F STOP

A ROTATING DIAPHRAGM having 2X and 4X neutral density filters is built into the rear of lens barrel. F stops are obtained by turning it to the proper position:

F = 8
2X = F11
4X = F16

SKYLIGHT FILTER AND LENS HOOD

A skylight filter can be mounted onto the rear of the lens before mounting "T" system adapter. The front of the lens is threaded to accept a 77mm lens hood especially made for the MIRROR LENS.

FOCUSING

Focusing can be done correctly only with the ground glass portion of the focusing screen, since rangefinder prisms and microgrid screens shadow out with long or slow lenses. The extremely shallow depth of field requires particular care in focusing. No focus compensation is required when using infrarcd film with the MIRROR LENS because of its catadioptric design.

CAUTION

This is a precision optical instrument and should be handled with care.
Follow accepted procedures when cleaning lens to avoid scratchig optical coating.