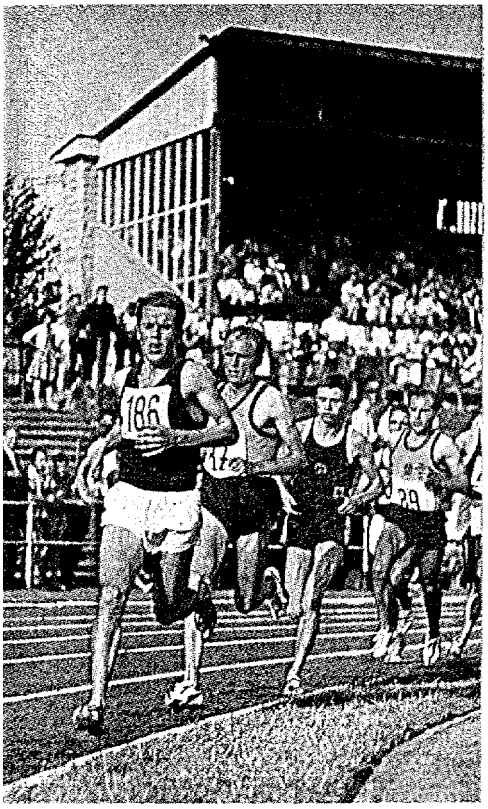
MEYER OPTIK

From 29 to 500

29 50 100

From 29 to 500 mm.: this is the range of focal lengths covered by the Meyer lenses described in this booklet. These are standard and special lenses for the true single lens reflex cameras, the superiority of which really comes into its own when its owner makes unlimited use of all the different focal length lenses. Some are designed for making distant objects appear closer (telephoto and distance lenses) and can also be used in certain circumstances for controlling or correcting the effects of perspective. Others are intended for covering a wide area at short distances (wide-angle lenses). Modern photo-

200 500



graphers use a wide variety of lenses for obtaining specific pictorial effects manipulating the image size and perspective to achieve the most striking representation of their subject.

This facility allows the photographer to break through the limiting restrictions inevitably imposed by the constant use of the single lens, and to produce pictures which stand out sharply from the general run of conventional photography.

The illustrations in this booklet show clearly how this can be achieved; they have all been taken with interchangeable lenses having just the correct focal length which is ideal for the purpose intended. In these pages we can however only begin to indicate the pictorial potentialities offered by a range of interchangeable lenses. The most convincing proof of their indispensability lies in the fact that no successful photographer deliberately restricts himself to working with a single lens.

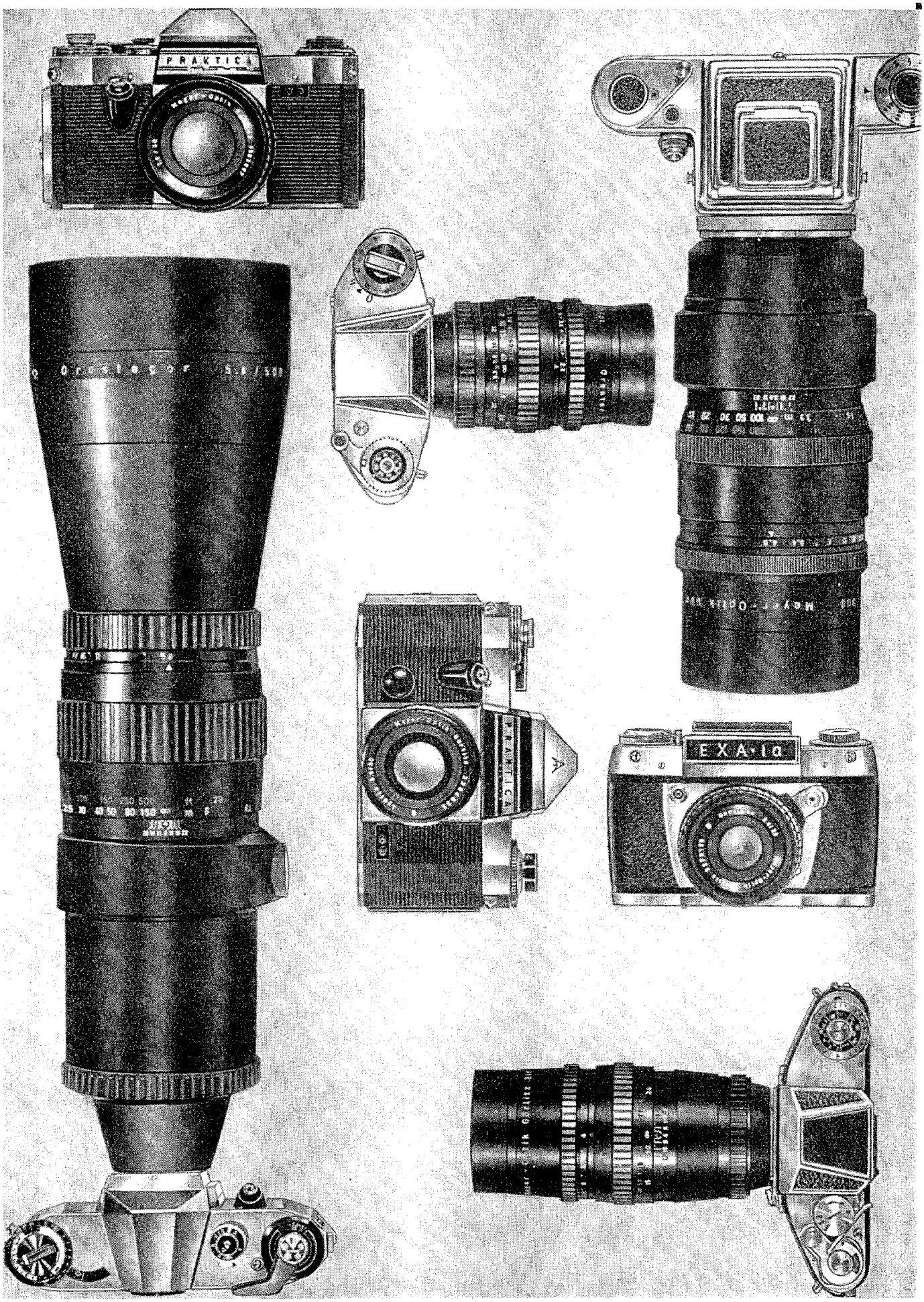
Image composition is not however always the sole criterion of a good photograph. Critical definition over the entire image field, high resolution, brilliance of contrast, absolute fidelity of colour rendering (in colour

1896 

1966

photographs) and reliable mechanical operation are also indispensable qualities which every exacting photographer seeks in his lenses. In the Meyer range of lenses, he will find these requirements fulfilled to perfection: Meyer lenses are computed by the most experienced designers and manufactured by equally skilled craftsmen. They are produced by means of the most up-to-date techniques and every single component undergoes rigorous and unremitting quality controls before the lens is allowed to leave the factory. For all these reasons - not forgetting their exceptionally favourable price - Meyer lenses have over the past 70 years earned an excellent reputation throughout the entire world, as products of German precision workmanship.

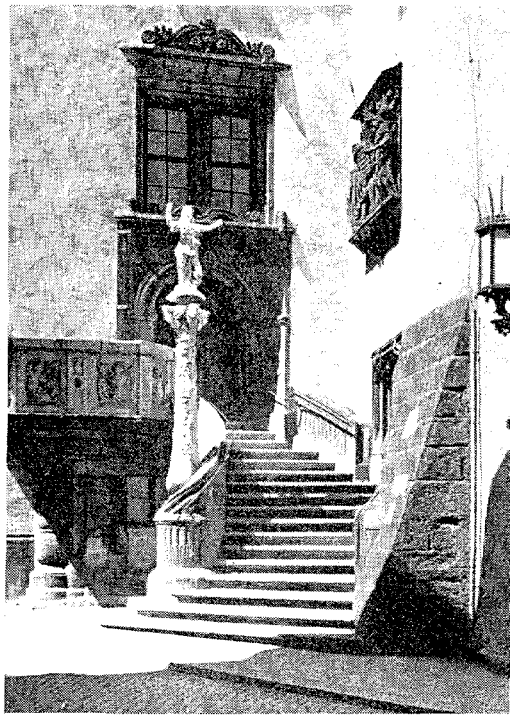
In the following pages are described the principal fields of application for the various Meyer interchangeable lenses. It should be emphasised that the information given is only intended to provide suggestions for building-up a set of the most useful lenses: their applications are by no means limited to the uses mentioned.


PRAKTICA
EXA·1α

ORESTEGON 2,8 / 29

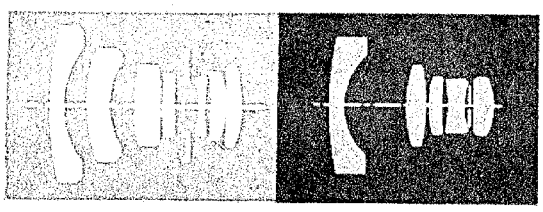
PENTA
PRAK
PRAK
PRAK

f = 30 mm.



This new Orestegon f 2.8/29 mm. wideangle lens covers a 1.7 times greater area than the standard focal length lens. Its applications are as much in the field of large scale architecture, extensive landscapes and panoramic-type surveys, as in the field of interior photography where a large expanse is to be photographed from a short distance. As a result of its comparatively great depth of field, due to the short focal length, and the automatic pressure diaphragm in connection with the large aperture of f 2.8, the Orestegon is well suited for photographing scenes from daily life. Its spectrographic qualities guarantee faithful colour rendering.

Seven element construction
large aperture
excellent colour rendering
automatic pressure diaphragm
elegant shape and finish
effective angle of view 73°



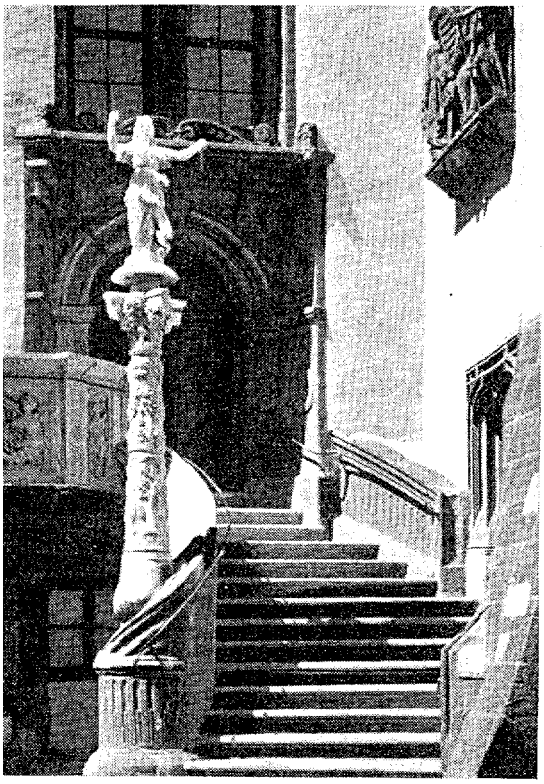
ORESTEGON LYDITH

LYDITH 3,5/30

EXAKTA Varex
EXA I
EXA II

PENTACON
PRAKTICA
PRAKTICA nova

f = 50 mm.



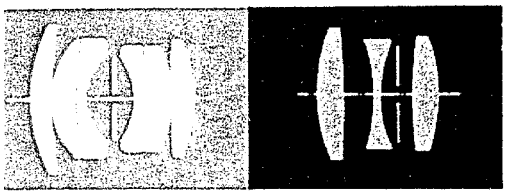
The fields of application for the Lydith f3.5/30 mm. wideangle lens are identical to those of the Orestegon f2.8/29 mm. In modern photograghy, lenses of this type are also widely employed in order to achieve a special emphasis on the foreground space (exaggerated perspective recession). In spite of the relatively small number of glasses, the Lydith distinguishes itself by giving a very flat image field together with high contrast. Absolute fidelity of colour rendering is also guaranteed.

Five element construction
uniform definition over
the entire image field
pre-set diaphragm
effective angle of view 72°

DOMIPLAN 2,8 /50

EXAKTA Varex
EXA I
EXA II

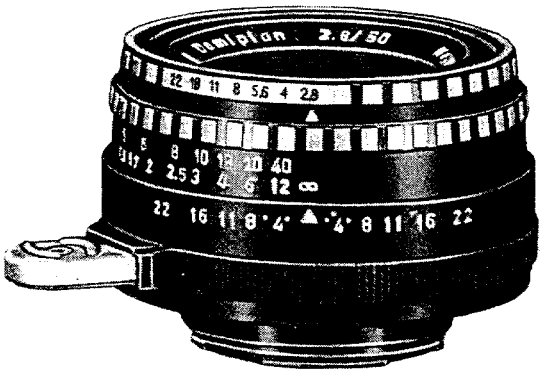
PENTACON
PRAKTICA
PRAKTICA nova



ORESTON DOMIPLAN

The Domiplan is also a lens of standard focal length, which can be employed for handling the majority of photographic assignments. The technical specification of this lens conforms in every respect to the very latest developments, and its optical system, based on the renowned triplet design, ensures acute definition and exceptional image brilliance.

Three element construction
large aperture
automatic pressure diaphragm
modern shape and finish
effective angle of view 47°



ORESTON 1,8/50

PENTACON
PRAKTICA
PRAKTICA mat
PRAKTICA nova

The special advantage of this standard Meyer lens is its extremely large aperture. Everywhere, where previously unfavourable light conditions made successful working impossible, this new lens will be invaluable and will enable the user to exceed the results of the average photographer. Street scenes at night, sport and stage photography extend the field of applications. The shortest focusing distance without extension rings is approximately 9 inches, measured from the front edge of the lens to the subject. The special application of the Oreston is therefore without doubt in the field of close-up photography.

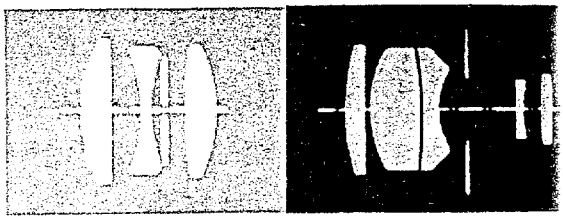
Six element design
very large aperture
excellent colour rendering
elegant shape and finish
effective angle of view 47°
automatic pressure diaphragm

TRIOPLAN N 2,8 /100

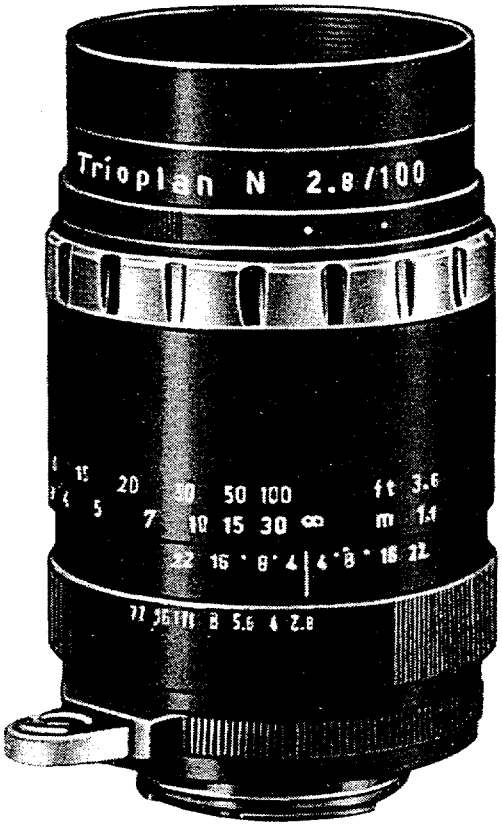
EXAKTA Varex
EXA I
EXA II

The Trioplan is a lens of "medium-long" focus and provides an image twice as large as the standard lens. Its relatively large aperture makes it particularly suitable for portraiture, also for animal, sports and stage photography. Favourable rendering of perspective also makes the Trioplan an ideal lens for commercial photography.

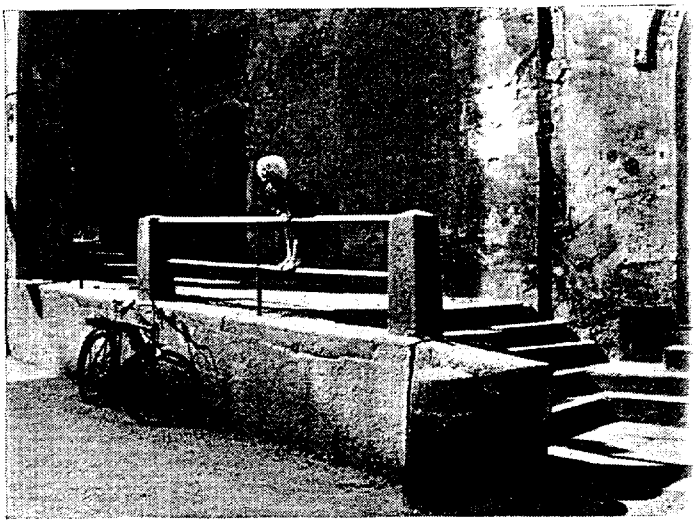
Three element design
automatic pressure diaphragm
screw-in lens hood
modern shape and finish
effective angle of view 24°



TRIOPLAN ORESTOR



f = 29 mm.



ORESTOR 2,8/135

Interchangeable adaptor for EXAKTA Varex
EXA II
PENTACON
PRAKTICA
PRAKTICA mat
PRAKTICA nova

Telephoto lenses of this focal length are unlimited in their versatility, since with an enlargement scale of 2.7 times that of the normal lens, it will give a sufficient tele-effect for most objects, and in most cases may still be securely hand-held. The main field of application for the new "Orestor f 2.8/135 mm." Tele-Anastigmat includes portraiture, children, animal, sport, stage, architecture and commercial photography. Unexcelled advantages are the exceptional image contrast and the power of resolution even at maximum aperture, and its spectrographic qualities, in addition to the different types of interchangeable adaptors available for a number of reflex cameras (the adaptors being already known from the Orestegor f4/200 mm.)

Five element telephoto type - short body construction - large aperture - high resolving power - excellent image contrast - faithful colour rendering - pre-set diaphragm - screw-in lens hood - modern shape and finish - effective angle of view 18°

f = 135 mm.

ORESTEGOR 4/200

ctor for EXAKTA Varex
EXA II
PENTACON
PRAKTICA
PRAKTICA mat
PRAKTICA nova
PRAKTINA

ORESTEGOR

The Orestegor with its focal length of 200 mm. can be classified as a true telephoto lens. It is of relatively short body construction and gives a magnification of 4 times compared with the standard lens. It is particularly suitable for sports, children and animal photography. Exceptionally high definition also makes this lens extremely useful for recording architectural details and for landscape photography. The same interchangeable adaptors are employed as for the Orestor f 2.8/135 mm., guaranteeing an all round versatility.

Five element telephoto type -
compact construction
relatively large aperture
high resolving power
excellent image contrast
true colour rendering
pre-set diaphragm - screw-in lens hood
modern shape and finish
effective angle of view 12°

f = 50 mm.

f = 200 mm.

TELEMEGOR

4,5 / 300

The principal applications for the f4.5/300 mm. Telemegor are clearly sports and animal photography, e.g. wild animals in their natural surroundings. This lens is also most valuable for specialized works in the arts, science and industry.

Four element design - true telephoto lens (barrel shorter than focal length) - relatively high speed - pre-set diaphragm - rotating tripod support (for changing over from vertical to horizontal format and vice versa without removing camera from tripod) - screw-in lens hood

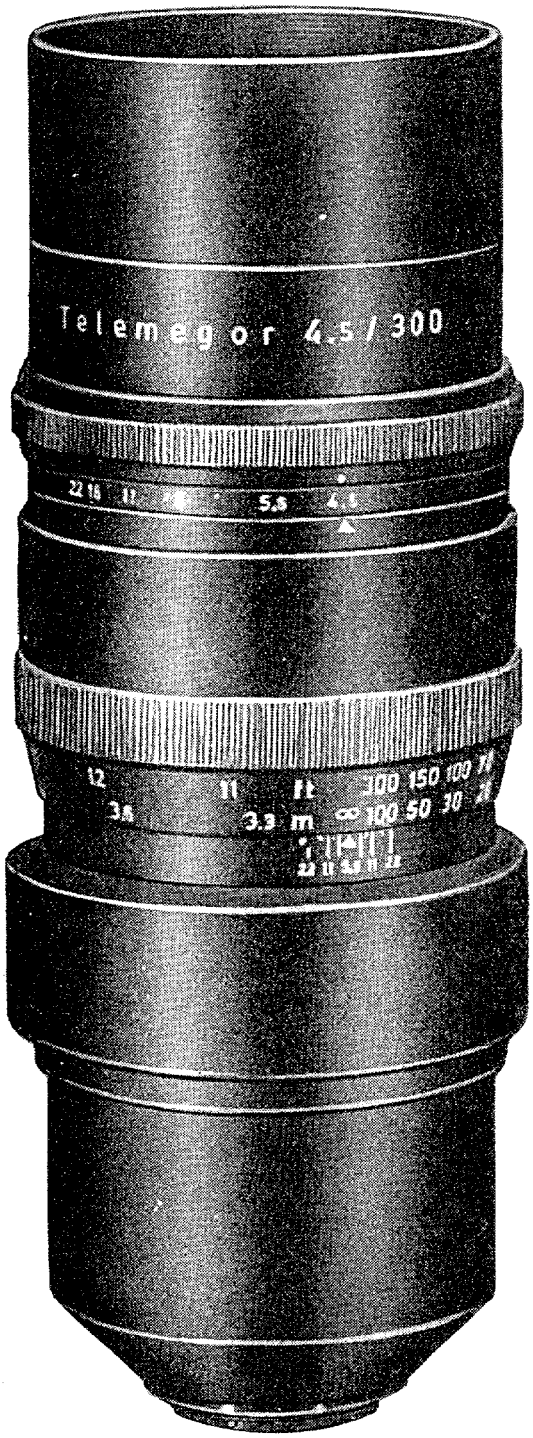
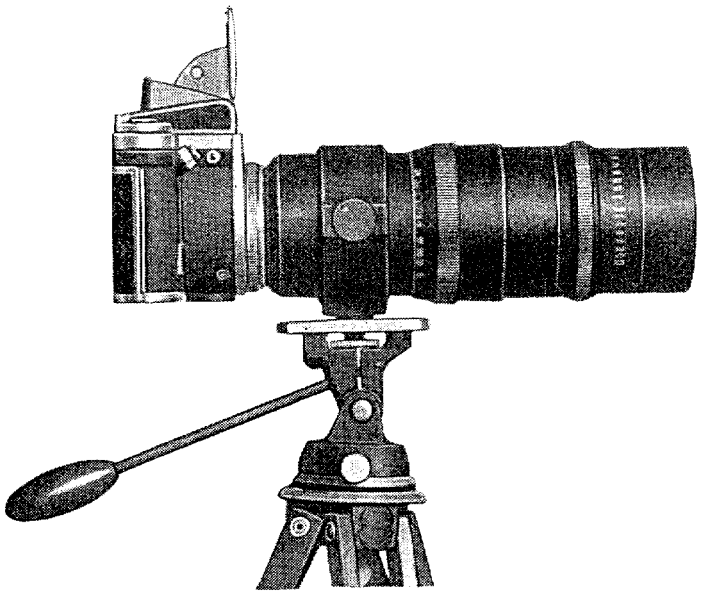


Image magnification compared with the standard lens:

with 24 mm. x 36 mm.	6 fold
with 60 mm. x 60 mm.	4 fold

effective angle of view:

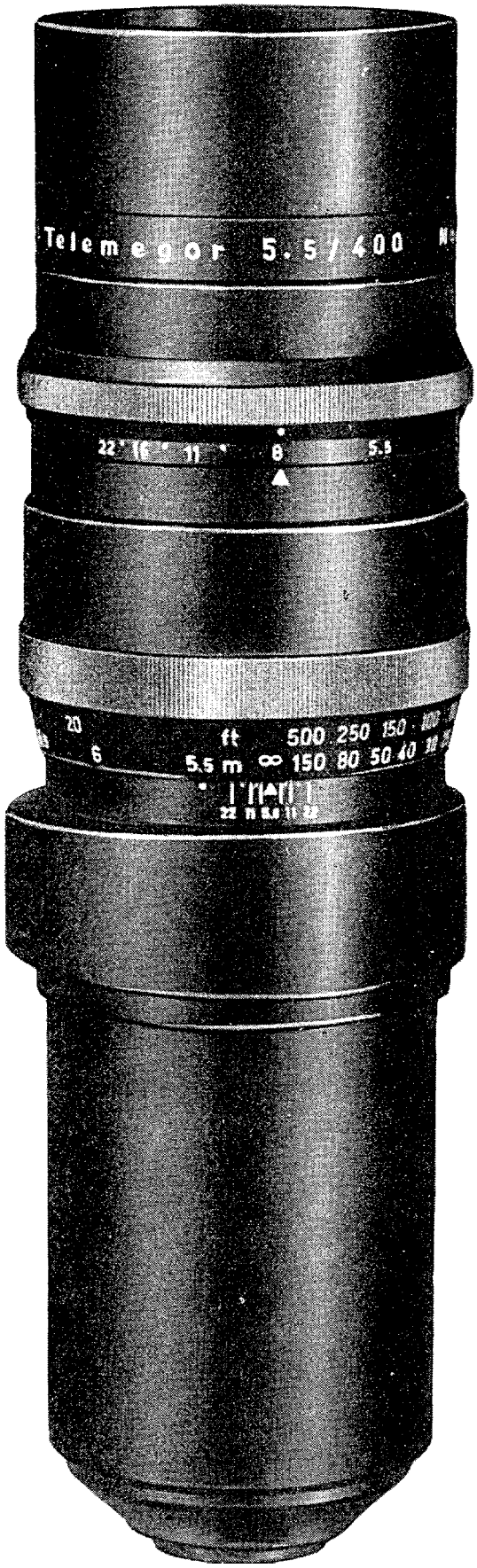
with 24 mm. x 36 mm.	8°
with 60 mm. x 60 mm.	16°



TELEMEGOR 5,5/400

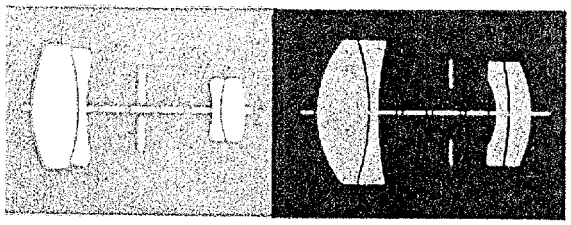
EXAKTA Varex
EXA II
PENTACON

PRAKTICA
PRAKTICA mat
PRAKTICA nova



The f 5.5/400 mm. Telemegor is an extreme long-focus lens, designed primarily for photographing wild animals in their natural habitat, and for specialized artistic, scientific and technical applications. Even the most distant objects can be photographed on a large enough scale to fill the negative frame completely.

Four element construction - true telephoto lens (with barrel shorter than focal length) - eight-fold magnification of image in comparison with standard lens - pre-set diaphragm - rotating tripod support - screw-in lens hood - effective angle of view 6°



300 mm. 400 mm.


BEROLINA


HOTEL BEROLINA

ORESTEGOR 5,6 / 500

EXAKTA Varex
EXA II
PENTACON
PRAKTICA
PRAKTICA mat
PRAKTICA nova
PRAKTINA
PRAKTISIX

Compared with the standard lens, the f 5.6/500 mm. Orestegor will, on a 24 mm. x 36 mm. negative, produce a 10 fold image magnification, or 6 1/2 fold, in the case of 60 mm. x 60 mm. negatives. Its suitability for special assignments is ensured by excellent definition, high contrast and faithful colour rendering. The fact that a lens of this extreme focal length incorporates an interchangeable adaptor is of special significance.
For the first time it is possible to employ this lens not only on miniature reflex cameras, but also on larger formats (Praktisix).

Four element construction - true telephoto lens, i.e. barrel shorter than focal length - pre-set diaphragm - rotating tripod support - screw-in lens hood - effective angle of view

5° with 24 mm. x 36 mm. format
10° with 60 mm. x 60 mm. format

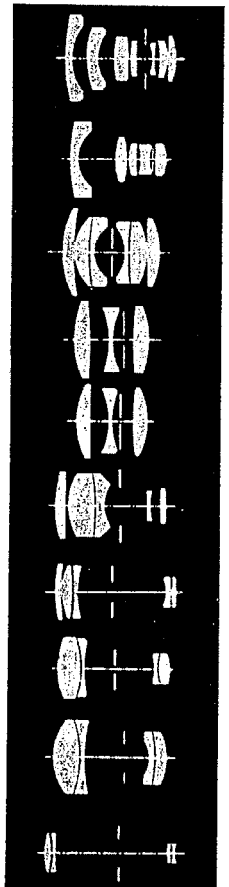
MEYER OPTIK

Further developments may result in slight deviations between the lenses and the details in this leaflet.

The best pictures of moving subjects can obviously be obtained when the shutter is released at the most dramatic moment of

the action. Since however focusing and image composition are best performed with the lens diaphragm fully open (in order to obtain the most brilliant image on the ground-glass screen), it follows that the time spent stopping the diaphragm down to the taking aperture should be kept as short as possible.
The spring or pressure-operated diaphragm provides the ideal solution to this problem and virtually eliminates this delay. When the release button is operated, the diaphragm closes down automatically to the preset f/number immediately before the exposure. With the preset diaphragm, the stopping-down operation is performed manually, but only requires the aperture ring to be turned swiftly to the point where it stops at the preselected setting.

*) When using a lenshood only employ the type specially designed for wide-angle lenses.



	Relative aperture and focal length mm.	Negative size mm.	Effective angle of view	Preset diaphragm	Fully-automatic diaphragm	Screw-in lens attachment thread (metric size)	Mount diameter for push-on attachment mm.	minimum focusing distance m.	Length without lenshood mm.	Length including front and rear caps mm.	Weight gr.	EXAKTA Varex EXA II	EXA I	Praktica mat Praktica nova Praktica Pentacon	Praktina	Praktisix
ORESTEGON	1:2,8/29	24×36	73°		×	M 55,0×0,75*)	57	0,25	51,5	65	240			×		
LYDITH	1:3,5/30	24×36	72°	×		M 49,0×0,75*)	51	0,33	44,5	63	195	×	×	×		
ORESTON	1:1,8/50	24×36	47°		×	M 49,0×0,75	51	0,33	51	60	235			×		
DOMIPLAN	1:2,8/50	24×36	47°		×	M 49,0×0,75	42	0,75	40	52	150	×	×	×		
TRIOPLAN N	1:2,8/100	24×36	24°		×	M 55,0×0,75	57	1,10	93	116	430	×	×			
ORESTOR	1:2,8/135	24×36	18°	×		M 55,0×0,75	57	1,50	93,5	122	515	×		×	×	
ORESTEGOR	1:4/200	24×36	12°	×		M 58,0×0,75	60	2,50	134	160	600	×		×	×	
TELEMEGOR	1:4,5/300	24×36	8°	×		M 82,0×0,75	85	3,30	222	274	1800	×		×		
	1:4,5/300	60×60	16°	×		M 82,0×0,75	85	3,30	196	252	1700					×
TELEMEGOR	1:5,5/400	24×36	6°	×		M 82,0×0,75	85	5,50	285	342	2100	×		×		
ORESTEGOR	1:5,6/500	24×36	5°	×		M 118,0×1	125	6,00	395	450	3500	×		×	×	
	1:5,6/500	60×60	10°	×		M 118,0×1	125	6,00	370	428	3500					×

MEYER OPTIK

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