

Wollensak



PHOTO LENSES

MEETING PRESENT DAY DEMANDS IN PHOTOGRAPHY

With consistent earnestness and ambition to meet the new day demands in photography, we have developed a line of still and motion picture lenses that is complete for every need. The skillful precision and care that enter into the manufacturing of each lens permits us to offer superior quality. Only high grade artisans, best materials and the finest optical glass procurable enter into the making of Wollensak lenses.

Since 1899 Wollensak lenses have occupied an enviable position in the field and are in constant use by the better photographers throughout the world who manifest keen delight and complete satisfaction.

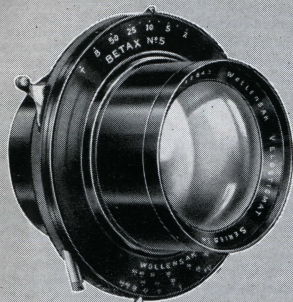
As the quality in a lens contributes greatly to the distinctiveness of the finished photograph, intelligent care should be used in selecting a lens that is best suited for the purpose. As specialists in photographic lenses and shutters, we solicit the opportunity of making recommendations and serving your requirements.

CATALOG NO. 44



WOLLENSAK OPTICAL CO.

ROCHESTER, N. Y., U. S. A.



VELOSTIGMAT

SERIES 1a $f6.3-f7.7$

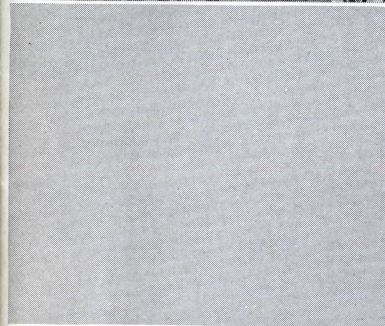
TRIPLE CONVERTIBLE . . . TRIPLE ANASTIGMAT

The distinct advantage of the Series 1a Velostigmat is its triple convertibility. Both the front and rear elements are of longer focus than the doublet and are fully corrected so the user has virtually three fine anastigmat lenses in one.

Long focus lenses are essential for good commercial photography where true perspective, good drawing, larger images or telephoto effects are desired. By using the single elements of the Series 1a Velostigmat these results can be obtained. In using the single elements it is necessary only to stop the diaphragm down slightly to secure accurate definition.

The Series 1a Velostigmat produces fine definition, absolute rectilinearity, flatness of field and is especially well corrected for chromatic aberration—the essentials that make up a really finely corrected anastigmat lens.

The doublet has a moderate focal length and operates at high speed. These qualities added to its anastigmatic corrections make it ideal for general all-round work, including groups, landscapes, general views, copying, enlarging, and all commercial and architectural photography. In short, as a speedy anastigmat the doublet is essential for all-round use. Its fine chromatic corrections make it suitable for color separation work.



Photos from same point with a 5a Series 1a Velostigmat; the lower was made with the 13" focus doublet; the center, with 20" rear element only and upper one with 25½" front lens.

The commercial photographer or the advanced amateur who wants to combine convenience, versatility and moderate price, will find the Series 1a Velostigmat an excellent investment.

SERIES 1a VELOSTIGMAT *f*6.3-*f*7.7

No.	Size	Equivalent Focus	Front Focus	Rear Focus	<i>f</i> Speed
1	3 $\frac{1}{4}$ x 4 $\frac{1}{4}$	4 $\frac{3}{4}$ "	8 $\frac{1}{4}$ "	8 $\frac{1}{4}$ "	6.3
1a	3 $\frac{1}{4}$ x 4 $\frac{1}{4}$	5 $\frac{1}{8}$ "	10"	8 $\frac{1}{4}$ "	6.8
2	4 x 5	5 $\frac{3}{4}$ "	10"	10"	6.3
2a	4 x 5	5 $\frac{3}{4}$ "	12 $\frac{3}{4}$ "	8 $\frac{1}{4}$ "	7.7
2b	4 x 5	6 $\frac{1}{2}$ "	12 $\frac{3}{4}$ "	10"	6.8
3	5 x 7	7"	15 $\frac{1}{2}$ "	10"	7.7
3a	5 x 7	7 $\frac{1}{4}$ "	12 $\frac{3}{4}$ "	12 $\frac{3}{4}$ "	6.3
3b	5 x 8	8 $\frac{1}{4}$ "	15 $\frac{1}{2}$ "	12 $\frac{3}{4}$ "	6.8
3c	5 x 8	8 $\frac{3}{4}$ "	20"	12 $\frac{3}{4}$ "	7.7
4	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	9"	15 $\frac{1}{2}$ "	15 $\frac{1}{2}$ "	6.3
4a	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	10"	20"	15 $\frac{1}{2}$ "	6.8
4b	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	11"	25 $\frac{1}{2}$ "	15 $\frac{1}{2}$ "	7.7
5	8 x 10	11 $\frac{1}{2}$ "	20"	20"	6.3
5a	8 x 10	13"	25 $\frac{1}{2}$ "	20"	6.8
6	10 x 12	14"	31"	20"	7.7
6a	10 x 12	14 $\frac{3}{4}$ "	25 $\frac{1}{2}$ "	25 $\frac{1}{2}$ "	6.3
7	11 x 14	16 $\frac{1}{4}$ "	31"	25 $\frac{1}{2}$ "	6.8
7a	11 x 14	17 $\frac{1}{2}$ "	31"	31"	6.8

THE SERIES 1a VELOSTIGMAT FOR BANQUET CAMERAS

Besides being a perfect anastigmat with a flat field the Series 1a Velostigmat has an exceptionally large circle of illumination and will cover plates larger than those for which it is listed. This makes it particularly well suited for use with banquet cameras. The following table lists the sizes that are recommended for these cameras.

No.	Size	Equivalent Focus	<i>f</i> Speed	Plates covered with smaller stop
3b	5 x 8	8 $\frac{1}{4}$ "	6.8	7x11
3c	5 x 8	8 $\frac{3}{4}$ "	7.7	7x11
4	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	9"	6.3	5x12
4a	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	10"	6.8	5x12
4b	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	11"	7.7	5x12
5a	8 x 10	13"	6.8	7x17
6	10 x 12	14"	7.7	8x20
6a	10 x 12	14 $\frac{3}{4}$ "	6.3	8x20
7	11 x 14	16 $\frac{1}{4}$ "	6.8	12x20



VELOSTIGMAT

SERIES II $f4.5$

AN ALL-ROUND HIGH SPEED ANASTIGMAT

Combining extreme speed and flatness of field with fine anastigmat corrections, the Series II Velostigmat $f4.5$ is one of the most versatile lenses for general studio and portrait work.

In the studio it handles with exacting detail, groups, standing figures, busts, child photography, as well as enlarging and copying. The Series II Velostigmat is available in a wide assortment of longer focal lengths and when intended chiefly for portrait work, it is advisable to select a lens a size larger than the plate for which it is listed because a long focus lens produces more pleasing perspective and better drawing.

Home portrait photographers prefer the Series II Velostigmat, not only because its compact construction makes handling easy, but because of its moderate focal length that permits working within the confines of the average home, and its speed that overcomes the ever present difficulty of unfavorable lighting.

For enlarging work the Series II Velostigmat, because of its flat field, is the choice of the experienced photographer. It

will enlarge with fidelity, the finest detail in the negative and with surprisingly quick exposures.

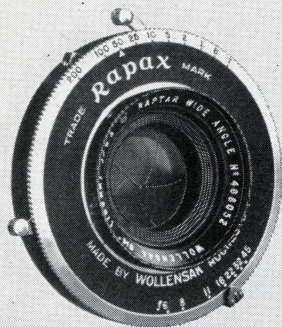
When fitted to the reflecting types of camera, the Series II Velostigmat is an admirable choice. It gives fully-timed negatives with sharp, sparkling definition even under adverse lighting conditions.

No.	Size	Equivalent Focus
000	1 x $1\frac{1}{2}$	2"
00	$1\frac{5}{8}$ x $2\frac{1}{2}$	3"
0	$2\frac{1}{4}$ x $3\frac{1}{4}$	$3\frac{1}{2}$ "
0-1	$2\frac{1}{4}$ x $3\frac{1}{4}$	4"
1	$3\frac{1}{4}$ x $4\frac{1}{4}$	5"
*1-2	4 x 5	$5\frac{5}{16}$ "
2	4 x 5	$6\frac{3}{8}$ "
3	5 x 7	$7\frac{1}{2}$ "
3a	5 x 8	$8\frac{1}{4}$ "
4	$6\frac{1}{2}$ x $8\frac{1}{2}$	$9\frac{1}{2}$ "
5	8 x 10	$11\frac{7}{8}$ "

*speed $f4.7$

This picture made by Harris & Ewing illustrates the possibilities of the Series II Velostigmat $f4.5$ as a group lens.





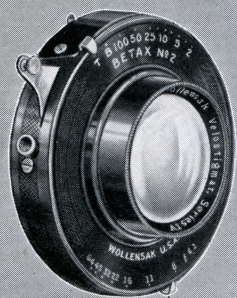
RAPTAR WIDE ANGLE

*f*6.8

The Raptar Wide Angle *f*6.8 answers the need for a fast wide angle with fine definition and maximum covering power. Commercial, news, and advanced amateur photographers will welcome this lens because it solves the problem of getting good shots when working in a confined area.

The Raptar Wide Angle has an unusually large aperture for focusing, which makes it especially well adapted for photographing in dimly lighted interiors, for making outdoor snapshots, and for flash work. It can be accurately focused at *f*6.8; however, like most wide angle lenses, it must be stopped down to *f*11 or smaller before making exposures. From *f*11 to *f*32, it gives the good corner definition, covering power, and depth of field necessary for high-quality wide angle work. Because of its fine chromatic corrections it can be used with color films with equally fine results.

No.	Size	Equivalent Focus	Angle of View
1	3 $\frac{1}{4}$ x 4 $\frac{1}{4}$	2 $\frac{9}{16}$ "	88 $\frac{1}{2}$ °
2	4 x 5	3 $\frac{1}{2}$ "	84°
3	5 x 7	4 $\frac{1}{4}$ "	90°
5	8 x 10	6 $\frac{1}{4}$ "	90°



VELOSTIGMAT

SERIES IV *f*6.3

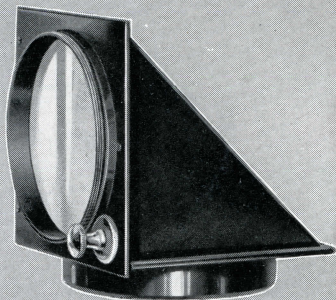
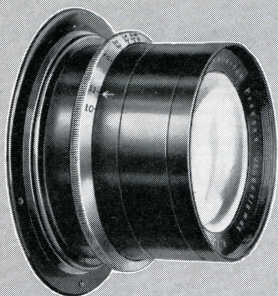
FINELY CORRECTED . . . MODERATELY PRICED

That we are able to offer as fine a lens as the Series IV Velostigmat so reasonably is indeed a tribute to modern manufacturing methods.

The Series IV Velostigmat is a perfectly corrected anastigmat working at the speed of *f*6.3, and will sharply cover the plate for which it is listed at full aperture. Its moderate price will appeal to the photographer who has been handicapped by the lack of speed and marginal definition of the rapid rectilinear type of lens.

It is suitable for commercial, architectural, landscape and view work and home portraiture where the lighting is good. For copying and enlarging the Series IV Velostigmat is a steady producer of results.

No.	Size	Equivalent Focus
000	1 x 1½	2"
00	1⅝ x 2	3"
0	2¼ x 3¼	3½"
1	3¼ x 4¼	5"
2	4 x 5	6½"
3	5 x 7	7½"
4	6½ x 8½	9½"
5	8 x 10	12"



VELOSTIGMAT PROCESS AND PRISMS

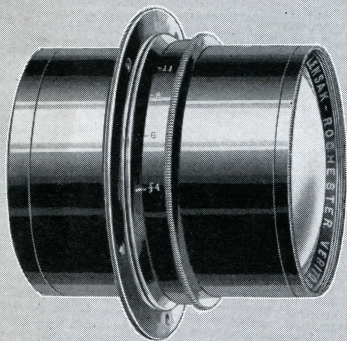
The exceptional chromatic qualities of the Velostigmat Process make it ideal for four-color process work when used at smaller apertures. Its fine anastigmatic corrections adapt it to precision line and half-tone work.

Designed for the photo engraver, this lens should also interest commercial photographers because its flat field, even illumination, chromatic corrections and perfect covering power answer the need for ideal copying, enlarging, reducing, etc.

The front lens cell is threaded to receive the Wollensak prisms. These prisms are made of the finest optical glass procurable, and are accurately ground and polished.

No.	Equivalent Focus	f Speed	Plates Covered for Reduction	Plates Covered for full Size Copy	Size of Prism to fit
4	10 $\frac{1}{4}$ "	10	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	10x12	2"
5	14"	10	8 x10	11x14	2 $\frac{1}{2}$ "
6	16"	10	10 x12	12x15	3"
7	19"	10	12 x15	14x17	3 $\frac{1}{2}$ "
9	25"	10	16 x20	20x24	

Extra charge for fitting Prisms to Lenses of other makes.



VERITO

DIFFUSED FOCUS *f*4

A PRACTICAL AND POPULAR SOFT FOCUS LENS

The pioneer of soft focus lenses. The Verito with its speed, convertible feature and soft focus quality makes it an indispensable tool to the artist-photographer and pictorialist.

Any degree of softness or sharpness may be obtained by simply changing the size of the diaphragm aperture. Definition is not destroyed, but pleasingly subdued so that retouching is practically eliminated. The rear element may be used alone. This gives a slightly different quality of diffusion and being longer in focus than the doublet makes it ideal for portraiture. The Verito improves on acquaintance. The longer you use it the more delighted you will be with its infinite possibilities.

When projecting thru the Verito, the harshest and most wiry negatives are made to breathe a softness of exceptional beauty.

No.	Size	Equivalent Focus	Rear Focus
*A	3 $\frac{1}{4}$ x 4 $\frac{1}{4}$	5"	10"
*B	4 x 5	6 $\frac{1}{2}$ "	14"
1	3 $\frac{1}{4}$ x 4 $\frac{1}{4}$	6 $\frac{1}{8}$ "	10"
2	4 x 5	7 $\frac{1}{4}$ "	11"
3	5 x 7	8 $\frac{3}{4}$ "	14"
4	6 $\frac{1}{2}$ x 8 $\frac{1}{2}$	11 $\frac{1}{2}$ "	20"
5	8 x 10	14 $\frac{1}{2}$ "	24"
7	11 x 14	18"	30"

*Size A and B *f*6—all others *f*4.

In enlarging as in making negatives, the softness is controlled by the diaphragm.

VERITO EXTENSION LENS

This is a complete front combination for the 18" focus Verito. It interchanges with the regular front lens and increases the focus to $22\frac{1}{4}$ " thus offering a long focus portrait lens at moderate cost.

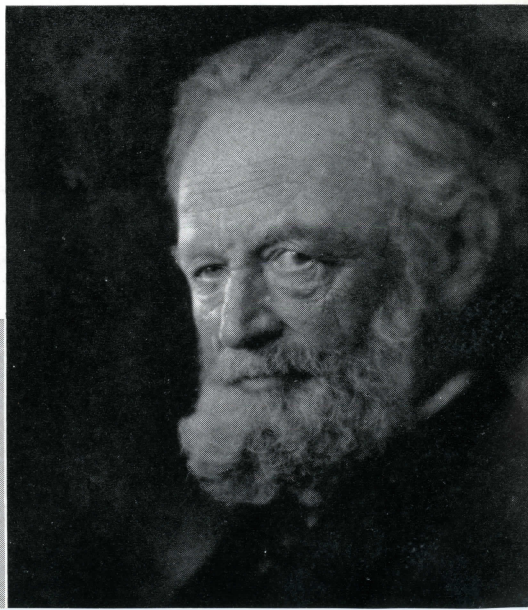
VERITO FOR AUTO FOCUS ENLARGERS

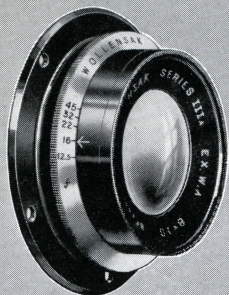
Enlargers with the auto focus features can be equipped with the Verito and still retain the automatic arrangements. To do this it is necessary to send the anastigmat lens from the enlarger to the factory so the focus of it may be exactly duplicated in the Verito.

Special 10" focus $f4.5$ Verito for 8 x 10 Eastman Projection Printer.

Special $7\frac{1}{2}$ " focus $f4.5$ Verito for 5 x 7 Eastman Auto-focus Enlarger.

The 1936 prize winning Portrait made by John Erickson with the Verito $f4$.





EXTREME WIDE ANGLE

SERIES IIIa *f*12.5

AN IDEAL INEXPENSIVE WIDE ANGLE LENS

The genuine merits and unlimited possibilities of the Series IIIa lens have gained for it a host of enthusiastic friends.

Its speed, extreme angle, reserve covering power and moderate price, offer a combination of qualities that should prove of real interest to the commercial photographer. For banquet camera work where space is limited and a short focus lens required, the Series IIIa will make a strong appeal.

The Series IIIa has an angle of view of 90 degrees and gives good definition at full aperture; wiry sharpness when stopped down. Because of its large circle of illumination this lens can be used on a plate a size larger than listed by stopping down the diaphragm. It then affords an angle of about 100 degrees.

No.	Size	Larger Plates Smaller Stops	Equivalent Focus
2	4 x 5	3½"
3	5 x 7	6½x 8½	4¼"
5	8 x 10	10 x 12	6¼"



RAPTAR TELEPHOTO

*f*5.6

FOR STILL
PHOTOGRAPHY

The Raptar Telephoto is a self-contained anastigmat lens, not an attachment or supplementary lens. It is especially designed for nature, architectural, travel, sports, and news photography. The advantage of this long focus telephoto lens is that it has a short back focus, permitting it to be used on cameras with short bellows capacity and still produce the large images otherwise impossible to get with cameras having short bellows draw and normal focus lenses.

The Raptar Telephoto magnifies images in proportion to the focal length of the ordinary lens. The 15" focus gives $2\frac{1}{2}$ linear magnification, or $6\frac{1}{4}$ times the usual area that a 6" focus lens would give. Similarly, the 10" lens gives $2\frac{1}{2}$ linear magnification, or $6\frac{1}{4}$ times the area covered by a 4" focus lens.

Working at a speed of *f*5.6, the Raptar Telephoto is fast enough to meet most picture-taking conditions. A high quality precision-made anastigmat, it offers excellent covering power and uniformly flat field. Compact and light in weight, it is easy to handle, taking the same exposures as any *f*5.6 lens.

No.	Size Plate Covered at Full Aperture	Equivalent Focus	Back Focus
2	$3\frac{1}{4} \times 4\frac{1}{4}$ 4 x 5	10"	$5\frac{1}{8}"$
3	4 x 5 5 x 7	15"	$7\frac{3}{4}"$



ENLARGING VELOSTIGMAT

*f*4.5

ENLARGEMENTS FROM SMALL NEGATIVES

Enlargements from small negatives to popular size prints with sparkling detail, are now a simple matter with the *f*4.5 Enlarging Velostigmat. Genuine anastigmats with uniformly flat field, corrected for spherical and chromatic aberration, coma, distortion and flare. The Wollensak Enlarging Velostigmat is available in the following foci.

No.	Size	Equivalent Focus
000	$1\frac{1}{4} \times 1\frac{5}{8}$	2"
00	$2\frac{1}{4} \times 2\frac{1}{4}$	3"
0	$2\frac{1}{4} \times 3\frac{1}{4}$	$3\frac{1}{2}$ "
0-1	$2\frac{1}{2} \times 3\frac{1}{2}$	4"
1	$3\frac{1}{4} \times 4\frac{1}{4}$	5"
1-2	4 x 5	$5\frac{5}{16}$ "
2	4 x 5	$6\frac{3}{8}$ "

SPECIAL ADAPTER for fitting above 2", 3" and $3\frac{1}{2}$ " focus lenses to Leica Enlargers.

THEVELOSTIGMAT for Direct Positive Photos

Direct positive paper being a slow material, a reasonably quick exposure must be made. The *f*3.5 Velostigmat with its high speed and excellent covering power is the choice of makers and users of positype machines today. For information on lenses and shutters for Direct Positive Photography, write for further details.

LENS BARRELS

All Wollensak lens barrels are constructed with the same precision and care that enter into the manufacture of other high grade products. Perfect concentricity is guaranteed to assure the best results from the photographic objective. Each barrel is supplied with iris diaphragms made of metal to prolong the life and are guaranteed not to warp. Prices include flanges.

Size	Maximum Diaphragm Opening	Lens Mount Thread Diameter		Flange Diameter	
	Inch	Front, Inch	Rear, Inch	Inside, Inches	Outside, Inches
000	$\frac{5}{32}$	$\frac{35}{64}$	$\frac{31}{64}$	$\frac{5}{8}$	$1\frac{5}{64}$
00	$\frac{19}{64}$	$\frac{41}{64}$	$\frac{23}{32}$	1	$1\frac{17}{32}$
0	$\frac{15}{32}$	$\frac{49}{64}$	$\frac{51}{64}$	$\frac{61}{64}$	$1\frac{29}{64}$
1	$\frac{51}{64}$	$1\frac{15}{64}$	$1\frac{5}{64}$	$1\frac{3}{16}$	$1\frac{11}{16}$
2	$\frac{7}{8}$	$1\frac{15}{64}$	$1\frac{15}{64}$	$1\frac{21}{64}$	$1\frac{55}{64}$
3	$1\frac{1}{16}$	$1\frac{15}{32}$	$1\frac{15}{32}$	$1\frac{19}{32}$	$2\frac{25}{64}$
4	$1\frac{19}{64}$	$1\frac{11}{64}$	$1\frac{51}{64}$	2	$2\frac{31}{32}$
5	$1\frac{17}{32}$	$2\frac{3}{64}$	$2\frac{3}{64}$	$2\frac{1}{4}$	$2\frac{53}{64}$
6	$1\frac{51}{64}$	$2\frac{27}{64}$	$2\frac{27}{64}$	$2\frac{5}{8}$	$3\frac{35}{64}$
7	$2\frac{13}{64}$	$2\frac{15}{16}$	$2\frac{15}{16}$	$3\frac{1}{8}$	$4\frac{5}{64}$
8	$2\frac{21}{32}$	$3\frac{27}{64}$	$3\frac{27}{64}$	$3\frac{41}{64}$	$4\frac{5}{8}$
9	$3\frac{9}{64}$	$3\frac{57}{64}$	$3\frac{57}{64}$	$4\frac{1}{8}$	$5\frac{1}{4}$
10	$3\frac{7}{8}$	$4\frac{3}{4}$	$4\frac{3}{4}$	$4\frac{47}{64}$	$6\frac{5}{64}$

STANDARD FLANGES

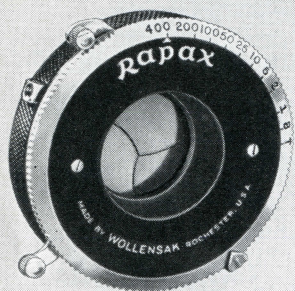
LENS CAPS

Thread Diam.	Thread Diam.	Inside Diam.
$\frac{61}{64}$ "	$2\frac{19}{32}$ "	1" and under
$1\frac{3}{16}$ "	$2\frac{29}{32}$ "	2" " "
$1\frac{5}{16}$ "	$3\frac{3}{32}$ "	3" " "
$1\frac{9}{16}$ "	$3\frac{5}{8}$ "	4" " "
2"	$4\frac{3}{32}$ "	5" " "
$2\frac{3}{16}$ "	$4\frac{11}{16}$ "	Over 5"
	$5\frac{5}{16}$ "	

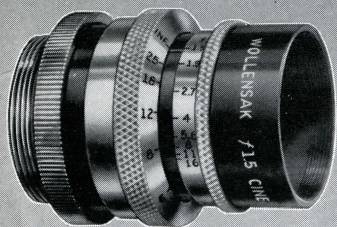
Made in sizes to fit Wollensak Equipment only.

ACCESSORIES

Standard and Special diaphragm scales, Wocote Lens Cleaning fluid and tissue books, Wire releases 12", 20", 36"







CINE VELOSTIGMAT

Speed, Wide Angle
and Telephoto Lenses
for Amateur Movies

FOR 8mm. AND 16mm. CAMERAS

The Cine Velostigmat lenses are carefully corrected to produce pictures that are sharp to the edge of the frame, with uniformly excellent detail, contrast and sparkle.

CINE VELOSTIGMAT $f1.5$ - $f1.9$

Ultra-rapid, to yield properly timed negatives for movies made at dusk, interiors or woodland scenes. This reserve speed is essential, too, for slow motion, color films and to cope with adverse lighting conditions.

13 mm. Focus $f1.9$ Cine Velostigmat in micrometer focusing mount, for 8 mm.

1" Focus $f1.5$ Cine Velostigmat in micrometer focusing mount, for 16 mm.

2" Focus $f1.5$ Cine Velostigmat in micrometer focusing mount, for 16 mm.

CINE VELOSTIGMAT WIDE ANGLE $f2.7$

The 17mm. focus $f2.7$ Cine Velostigmat Wide Angle when used on 16mm. film gives an angle of view approximately 53% wider than a 1" lens—a great advantage when working in confined spaces, either indoors or out. It possesses the same fine anastigmatic and chromatic corrections as other Wollensak lenses and can be used with complete satisfaction for color movies.

17 mm. Focus $f2.7$ Velostigmat in fixed focus mount, for 16 mm.

17 mm. Focus $f2.7$ Cine Velostigmat in micrometer focusing mount, for 16 mm.

CINE TELEPHOTO

A Telephoto is to your movie camera what a telescope is to your eyes. Used on a 16mm. camera, a Wollensak Telephoto magnifies the equivalent of its focal length (3" focus magnifies 3 times, 6" focus magnifies 6 times, etc.). On 8mm. lenses, the 1½" focus magnifies 3 times. These make possible fascinating photographs of shy and distant wild animals and birds. At the races, games and sporting events, you photograph selected contestants to appear in a large size when projected upon the screen.

1" Focus *f*2.5 Cine Telephoto in micrometer focusing mount for 8 mm.

1½" Focus *f*3.5 Cine Telephoto in micrometer focusing mount, for 8 mm.

2" Focus *f*3.5 Cine Telephoto in micrometer focusing mount, for 16 mm.

3" Focus *f*4 Cine Telephoto in micrometer focusing mount, for 16 mm.

4" Focus *f*4.5 Cine Telephoto in micrometer focusing mount, for 16 mm.

6" Focus *f*4.5 Cine Telephoto in micrometer focusing mount for 16 mm.

SPECIAL ADAPTERS are available to fit 16 mm. lenses to 8 mm. cameras.

COLOR FILTERS

Nowhere is a color filter of more importance than in making movies. And no color filter gives better tone value, reproduces clouds more brilliantly or cuts through atmospheric haze more sharply than a Wollensak Natural Glass Filter.

These filters are not the gelatin type. They are made of the finest natural colored filter glass procurable. The color is fast and will not fade or deteriorate, regardless of climatic conditions.

These filters are available in eight densities, 2X and 4X yellow, red, green, haze, 2X and 4X neutral density and Kodachrome Type A.

Each Wollensak Filter is fitted in a hand turned screw type mount. The complete range of sizes adapts them to all lenses of Wollensak manufacture.

GUARANTEE

Wollensak lenses are guaranteed to be optically and technically correct. All shutters are warranted to give perfect satisfaction. If any of our products, with proper care, fail to give satisfaction within a year after leaving our factory, we will repair or replace free.

TRIAL PRIVILEGE

Our liberal trial privilege permits a thorough test before buying. Should a customer be undecided between two types or sizes of lenses, we are willing to send both for comparative test without obligation, through a photographic dealer. The customer, however, is expected to pay the transportation charges when a lens is sent on memorandum.

TERMS

Wollensak lenses are sold only through established photographic stock houses or dealers. If the customer has no local dealer, we will gladly put him in touch with someone conveniently located who can take care of his requirements. All prices are f.o.b. Factory.

ADVISORY SERVICE

Our Service Department is ready and willing to give individual attention to all optical and shutter problems. This service involves no obligation.

