how to use your

Ansco SPEEDEX 4.5

Donated to www.oldansacameras.com





your Ansco Speedex takes 12 pictures this size (2¼ x 2¼) on a roll of 120 film

Donated to www.orphancameras.com

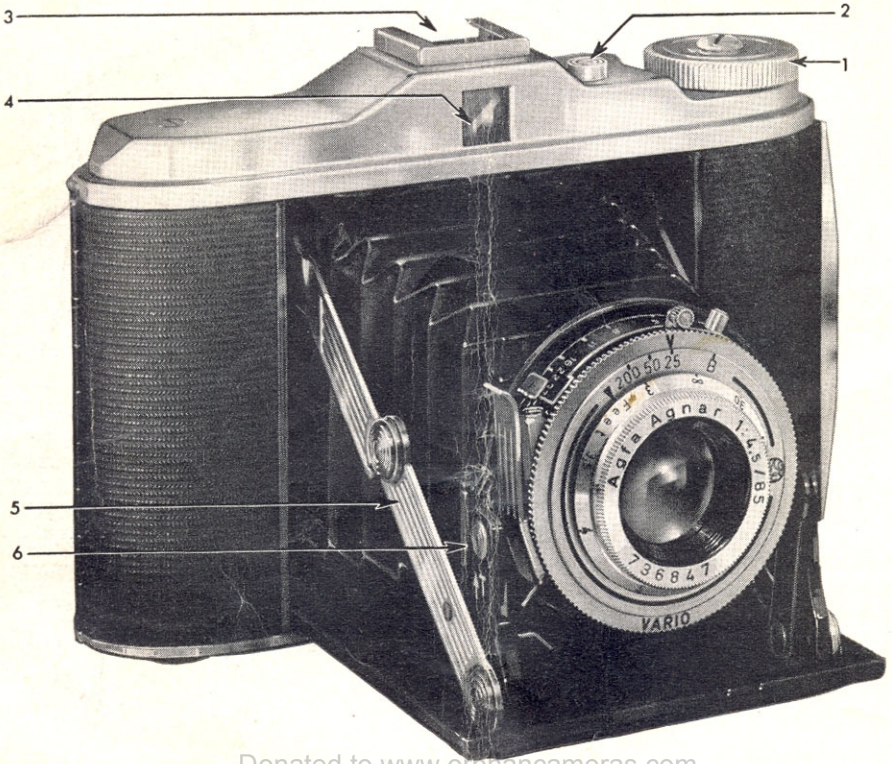
your ansco SPEEDEX 4.5

Your Ansco Speedex is a scientifically designed and finely built camera that will give years of satisfactory service with a minimum of effort.

The Ansco Speedex 4.5 has an 85mm Agfa Agnar Anastigmatic lens in a Vario shutter equipped with built-in flash synchronization. The lens is hard coated for higher light transmission and color corrected. This high quality lens and shutter unit insures accurate exposures and crisp, sharp pictures in both black-and-white and color photography.

Before you start taking pictures, read over these instructions and try working the operating parts of the camera until you have become thoroughly acquainted with their use and manipulation.

Donated to www.orphancameras.com



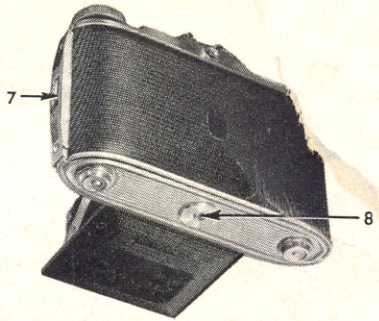
ansco

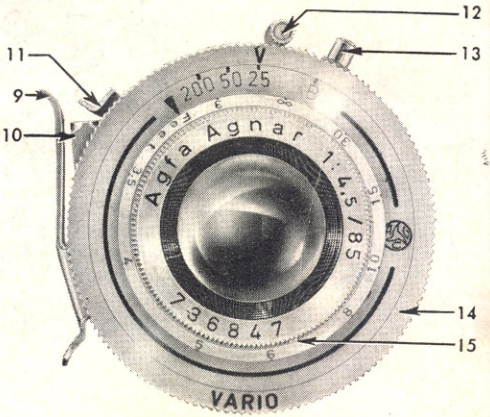
Donated to www.orphancameras.com

Speedex 4.5 • Vario

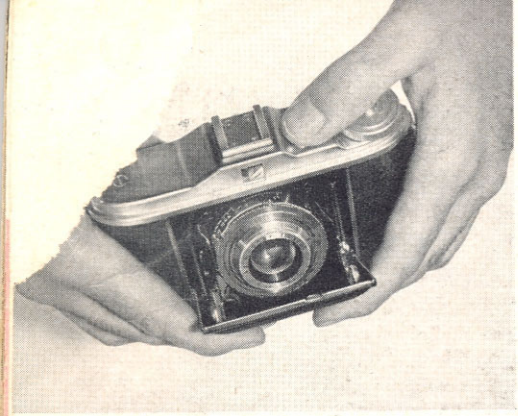
Lens Openings—4.5, 5.6, 8, 11, 16, 22, 32
Focusing distances: 3′ to ∞ (infinity)
Shutter speeds: T, B, 1/25, 1/50, 1/200

1. Film winding knob
2. Platform release button
3. Accessory clip
4. Optical view finder
5. Side arm bracket
6. Time setting latch
7. Camera back latch
8. Tripod screw socket
9. Shutter release lever
10. Cable release socket
11. Diaphragm setting lever
12. Shutter cocking lever
13. Flash contact
14. Shutter setting ring
15. Focusing ring



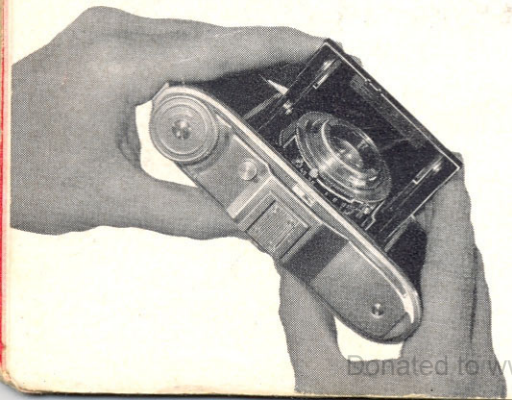


Donated to www.orphancameras.com



to open the camera

To open the camera, hold firmly as shown in upper left. Press the platform release button and the bellows and lens will spring forward and the platform lock into position. Should the platform fail to lock, push downward on both sides of the platform until it locks in place.

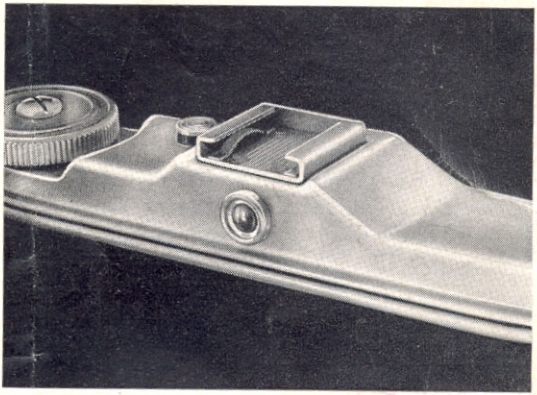


to close the camera

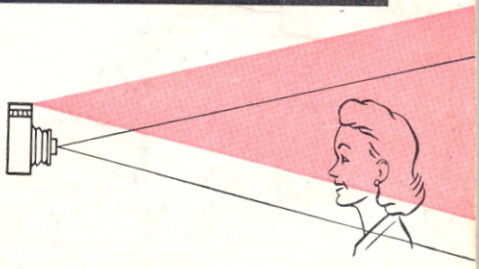
Press down on the two side arm braces and press the platform up until it is completely closed and the "click" of the platform latch is heard. Repeat opening and closing camera until these operations can be performed deftly and easily. *Never force the camera at any time.*

Donated to www.orphancameras.com

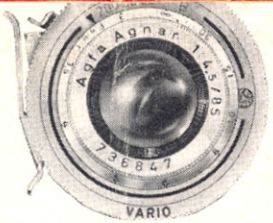
the optical view finder



The Speedex f/4.5 camera is is equipped with an optical type finder. By holding the camera to the eye, the area that will appear in the picture can be seen. The eye level view finder is advantageous since it gives an image in the same perspective as when the subject is normally viewed. When taking pictures closer than 8' one should aim the camera slightly higher to include a little more area above the subject than is desired in the picture. This is done to overcome a slight difference in view caused by the difference in location of the view finder and the lens.



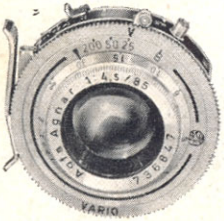
Donated to www.orphancameras.com



focusing

The focusing scale will be found on the focusing ring of the lens barrel and can be identified by a series of figures running from 3′ to ∞ (infinity). The numbers in this series refer to the distance in feet from camera to the subject at which the lens is focused. For example: If the object to be photographed is 15′ away, revolve the focusing ring until the number 15 is opposite the index mark. Distances from the lens to all objects from 3′ to 10′ should be estimated as closely as possible owing to the limited depth of field. For distant subjects, the ring should be set at ∞ (infinity) meaning as far as the eye can see.

zone focusing



To use as a fixed focus non-adjustable camera, set the focusing scale at 10′ or 30′ (numbers in red), the lens diaphragm at the orange dot on the F stop scale, and the shutter at 1/50 of a second. With the camera set at 10′, everything from 8′ to 15′ will be in focus. At 30′ everything from 16′ to ∞ (infinity) will be in focus. Sharper pictures of any particular subject will result, of course, if the lens is focused at the exact distance from the camera to the subject.

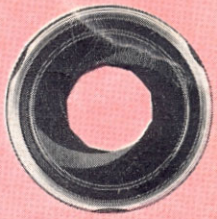
Donated to www.orphancameras.com

the diaphragm

The diaphragm is an adjustable opening between the components of the lens which controls the amount of light passing through the lens. The diaphragm is operated by a lever on top of the lens mount which moves the iris leaves. The movement of these leaves can be observed by setting the camera at Bulb (B), holding the shutter open, and moving the lever back and forth; when doing this note that the smaller numbers indicate the larger lens openings, (i.e., f/4.5 is the largest opening, f/32 the smallest).



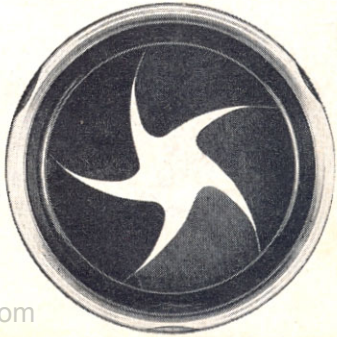
Smaller lens opening—larger number



Larger lens opening—smaller number

the shutter

The shutter of a camera is the device that determines the length of the exposure when a picture is taken. Simply expressed, the shutter opens briefly allowing the light from the object to be photographed to pass through the lens and



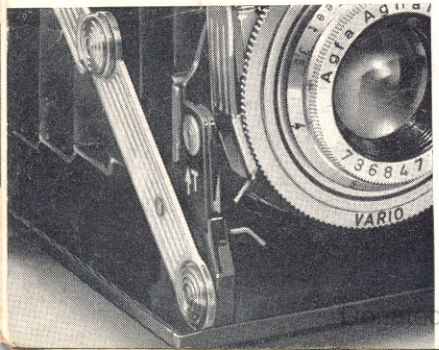
Donated to www.orphancameras.com

project an image on the film. The shutter can be set at mechanically regulated speeds from 1/25th to 1/200th of a second. Longer exposures can be made through the use of Time (T) or Bulb (B) exposures. When making an exposure of longer than 1/25th of a second duration, a tripod or other firm support must be used.

The shutter of the Speedex is regulated by setting the shutter setting ring at the desired speed.

To cock the shutter, move the cocking lever counterclockwise until it locks just before each exposure is to be made. The shutter is released by pressing the shutter release lever on the right hand side of the lens mount.

bulb and time exposures



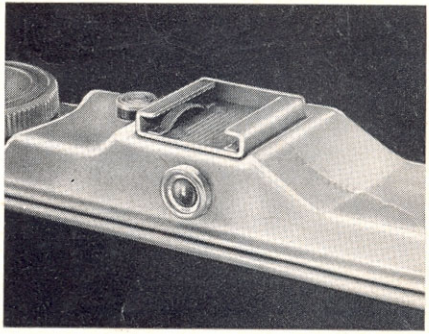
Bulb (B) exposures are made by setting the exposure setting ring on B, the shutter is then cocked and the shutter released. The shutter will remain open as long as the shutter release is depressed.

To make Time (T) exposure, used for very long exposures, set the exposure setting ring on B and cock the shutter. Press the shutter release and move the Time (T) lever in the direction of the arrow. The shutter will remain open until the Time lever is returned to its original position.

Donated to www.orphancameras.com

accessory clip

This handy clip may be used for attaching a wide selection of standard camera accessories such as flash guns and range finders.



the tripod socket

Primarily used for attaching the camera to a tripod but in addition, some accessories (such as many types of flash units) are attached to the camera by this socket.



Donated to www.orphancameras.com



there is an Ansco Film for every picture

Plenachrome—the All-Weather Film.
A fast, orthochromatic film for brilliant outdoor pictures in any weather. Available in single rolls and 3 Roll Economy Pack.

Supreme—A high speed panchromatic film for indoor or outdoor photography under natural or artificial light.

Superpan Press—An extremely high speed panchromatic film especially designed for use under adverse light conditions as well as all normal light photography.

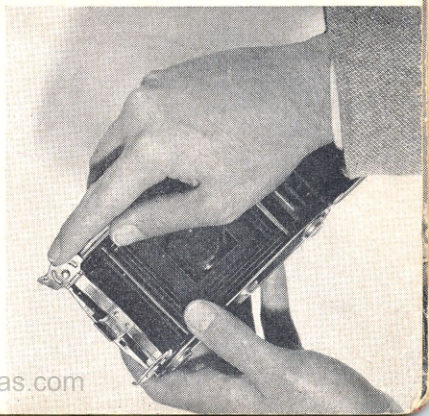
Donated to www.orphancameras.com

loading the camera



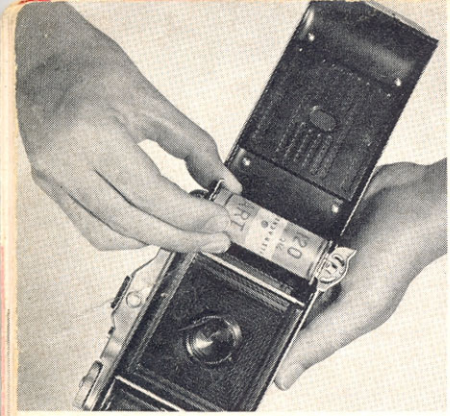
Always load in subdued light.

To load the camera, first open the camera by moving the catch in the direction of the arrow. The back will then open with ease.



To load the film into the camera first pull out the spool carrier. Place the spool on the stationary pin of the spool carrier and then close the hinged side so that it engages the hole in the opposite end of the

Donated to www.orphancameras.com





spool. Now return the spool carrier to its normal position.

Break the seal and pull the colored paper backing across the back being sure that the black side of the paper faces the lens. Draw the end of the paper over the top of the two metal rollers (never attempt to thread the film under these rollers). Thread the pointed end of the paper into the slot of the empty take-up spool.

Be sure to center the paper on the take-up spool so that it will wind evenly. Now give the winding knob one or two turns to bind the paper and give it a firm grip on the upper spool. Close the back of the camera by swinging it back into place until a "click" indicates that it is locked securely. Do not open back of camera again until film has been completely wound on take-up spool. Turn the winding knob until the number 1 appears in the red window (you will see a pointing hand and 4 dots just before the number "1" appears).

Donated to www.orphancameras.com

BS 1/100 F16

HAZY S 1/100 F11

CLOUDY-BRIGHT 1/100 F8

outdoor exposures

The proper exposure for any given picture varies considerably according to the light conditions and speed of the film being used. Light conditions vary with seasons, time of day and even geographical location. The Speedex camera is equipped with a sufficiently versatile lens and shutter to allow pictures to be made under almost any type of lighting condition. Average exposures for favorable conditions outdoors are given in the tables below:

EXPOSURE TABLE • PLENACHROME OR SUPREME FILM

Light Conditions	*1/25*	*1/50*	*1/200*
Bright Sunlight	f22	f16	f8
Hazy Sunlight	f16	f11	f5.6
Bright Overcast	f11	f8	f4.5
Dull Overcast	f8	f5.6	—

For Superpan Press use the next smaller lens opening (next larger number)

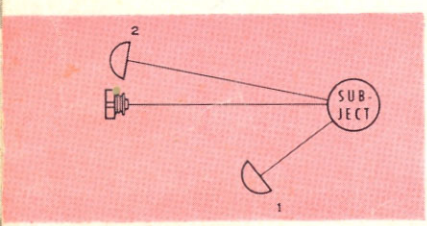
For brilliantly lighted subjects use next smaller lens opening than indicated; for close ups and pictures in the shade open lens one or two lens openings.



Donated to www.orphancameras

floodlamp exposures

For pictures at night or indoors, floodlamps are usually used to provide the necessary light. A tripod or similar firm support must be used for exposures of longer than 1/25 of a second to prevent movement of the camera. It is also desirable to use a cable release for these exposures since it helps to prevent camera movement as the shutter is tripped. The cable release screws into the socket at the right side of the lens mounting.



FLOOD EXPOSURE TABLE • SUPERPAN PRESS

	Distance from Lamp to Subject in Feet with Two No. 2 Lamps		
Lamp No. 1	3	5	6
Lamp No. 2	5	7	9
Shutter Speed			
1/25	f16	f11	f8
1/50	f11	f8	f5.6
1/200	f5.6	f4.5	—

The recommended light sources are two No. 2 floodlamps in good quality reflectors or two No. 2 reflector floodlamps with built-in reflectors. Lights should be placed according to the diagram: Main light source (No. 1) should be directed downward at 45°. Fill-in lamp (No. 2) should be close to the camera. Values are based on light colored walls or surroundings. Darker colors require an increase of one or two lens stops.

*For Plenachrome or Supreme use the next larger lens opening (smaller number).

Donated to www.orphancameras.com

flash exposures

Your Ansco Speedex Camera has built-in flash synchronization. No other synchronizer is necessary. Any flash unit with a 3mm continental type contact will give excellent results. The Speedex may be used with high speed electronic flash at all shutter speeds. The handy flash guide table below will give shutter speeds and guide numbers for use with popular flash lamps and Ansco Films.

using the guide numbers

To find the exposure, divide the distance from the flashlamp to the subject into the guide number, the resulting figures will represent the lens opening required. Example: The guide number for a number 5 bulb with Supreme Film is 120. The subject is 15 feet away therefore $120 \div 15 = 8$, use f8. More complete guide number information will be found on the instruction sheet packed with your Ansco Film.

EXPOSURE GUIDE

Lamp	*Shutter Speed*	*Supreme*	*Superpan Press*
SM, SF	B-1/50	65	100
5, 25	B-1/25	120	190
11, 40	B-1/25	170	270
2, 22	B-1/25	200	320

Note: High Speed Electronic Flash may be used at all shutter speeds.

NO FASTER THAN 1/25

Donated to www.orphancameras.com



depth of field

Depth of field is the range of distance in front of the camera that is in sharp focus. Greater depth of field will result when smaller diaphragm openings are used. For example, with the camera focused at infinity (∞) and the diaphragm set at f4.5, everything from 53 feet to infinity will be sharp and in focus. When the camera is focused at infinity and the diaphragm set at f16, everything from 15 feet to infinity will be in focus.

Focus Setting
3
3.5
4
5
6
8
10
15
30
∞

Donated to www.orphancameras.com

DEPTH OF FIELD TABLE • ANSCO SPEEDEX 4.5

4.5	*5.6*	*8*	*11*	*16*	*22*	*32*
2′ 11″–3′ 1″	2′ 10″–3′ 2″	2′ 8″–3′ 4″	2′ 7″–3′ 5″	2′ 6″–3′ 8″	2′ 5″–4′	2′ 1″–5′ 6″
3′ 4″–3′ 8″	3′ 3″–3′ 10″	3′ 1″–3′ 11″	3′–4′ 1″	2′ 11″–4′ 6″	2′ 8″–5′	2′ 7″–7′ 10″
3′ 10″–4′ 4″	3′ 8″–4′ 5″	3′ 7″–4′ 7″	3′ 5″–5′ 1″	3′ 2″–5′ 6″	3′–6′ 1″	2′ 10″–9′ 2″
4′ 7″–5′ 6″	4′ 6″–5′ 7″	4′ 4″–5′ 11″	4′ 1″–6′ 5″	3′ 10″–7′ 4″	3′ 6″–8′ 11″	3′–13′ 2″
5′ 5″–6′ 8″	5′ 4″–7′	5′–7′ 6″	4′ 10″–8′ 2″	4′ 5″–9′ 10″	3′ 11″–13′	3′ 6″–43′
7′–9′ 5″	6′ 10″–9′ 10″	6′ 5″–11′	5′ 11″–12′	5′ 4″–17′	4′ 7″–28′	3′ 11″–∞
8′ 5″–12′	8′ 2″–13′	7′ 6″–15′	6′ 11″–18′	6′ 1″–29′	5′ 4″–∞	4′ 4″–∞
12–21	11–23	10–30	9–48	7′ 6″–∞	6′ 4″–∞	5′ 2″–∞
19–69	18–∞	15–∞	13–∞	10–∞	8–∞	6′–∞
53–∞	42–∞	30–∞	22–∞	15–∞	11–∞	7′ 5″–∞

Donated to www.orphancameras.com





unloading the film

When the last picture has been taken, wind the film until you can no longer see the paper through the red window. Then open the back of the camera. The exposed roll may be removed by pulling out the film winding knob

Fold the pointed end of the colored paper under and seal the spool with the "exposed" sticker. You are ready now to process your film at home or take it to your Ansco dealer for processing.

Be sure to remove the empty spool from the supply spool holder and place it in the take-up chamber so that it will be ready for the next roll of film.

lens filters

Various Ansco filters are available for your Speedex. These filters will enable you to get special effects. Ask your Ansco dealer for Ansco lens filters, series 5.

Donated to www.orphancameras.com

color photography

Color photography with Ansco Color Film is as simple as black-and-white photography and the results are natural color transparencies that capture true colors as you see them. Ansco Color Film is available in Daylight or Tungsten type for daylight and artificial illumination. Ansco color transparencies may be viewed by projection, and full color contact prints or enlargements can be made on Ansco Color Printon.

DAYLIGHT EXPOSURE TABLE (DAYLIGHT TYPE FILM)

	Bright Sunlight, Front Lighted	*Bright Sunlight, Side Lighted*	*Bright Sunlight, Back Lighted*	*Hazy Sunlight, Soft Shadows*	*Bright Overcast, No Shadows*
1/50 sec.	f6.3	4.5	—	f4.5	—
1/25 sec.	f9	f6.3	f4.5	f6.3	f4.5

FLASH EXPOSURE TABLE

DAYLIGHT TYPE FILM

Bulb	*Shutter Speed*	*Guide No.*
5B, 25B	B-1/25	45
2B, 22B	B-1/25	75

TUNGSTEN TYPE FILM

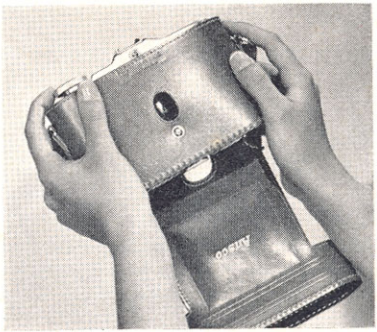
Bulb	*Shutter Speed*	*Guide No.*
5, 25*	B-1/25	75
2, 22*	B-1/25	125

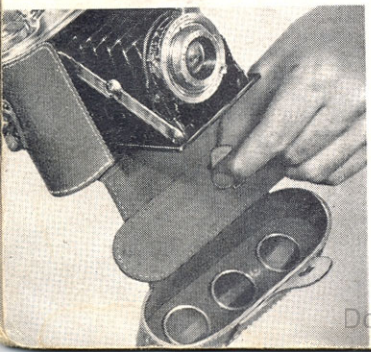
**Use with a UV17 filter.*

See page 15 for the use of guide numbers.

Donated to www.orphancameras.com







the Speedex eveready carrying case

The use of a carrying case will help to protect your Ansco Speedex from hard knocks, dust, rain and dampness. With the Speedex Eveready Case, your camera is ready for instant use; just unsnap the button and front cover falls away. Inside the cover of your camera case is a convenient compartment for carrying lens filters. Ask your Ansco dealer for the Ansco Speedex Eveready Case JN451.

Donated to www.orphancameras.com

Ansco booklets . . .

to help you improve your photography

These helpful booklets have been carefully written by experts to provide you with up-to-date, complete information about photography. See them at Ansco dealers.

BETTER PHOTOGRAPHY MADE EASY
An easy-to-understand 60-page booklet which tells in simple, non-technical language just how to take better, more interesting pictures. Profusely illustrated, it contains sections on camera selection, composition, exposure, film filters, and a host of other subjects.

COLOR PHOTOGRAPHY MADE EASY
Here under one cover is all the information you need for making excellent Ansco Color transparencies and color prints. It includes sections on taking color pictures, outdoors and in, processing your Ansco Color Film, and direct color printing on Ansco Color Printon. There is much helpful data on other subjects, such as high speed flash, filters for color photography, and specialized color techniques.

DEVELOPING AND PRINTING MADE EASY
This informative booklet tells photographers all they need to know about darkroom procedures. Its 60 well illustrated pages show the reader the equipment he needs and take him through each step in processing film and making prints. It is really a complete course in all elementary darkroom procedures.



91 PRINTED IN U.S.A. C-9602

Donated to www.orphancameras.com

how to use your ansco speedex

Ansco

BINGHAMTON, NEW YORK

Donated to www.orphancameras.com