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How to use your

PIONEER 20

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C A M E R A

ANSCO PIONEER 20 CAMERA

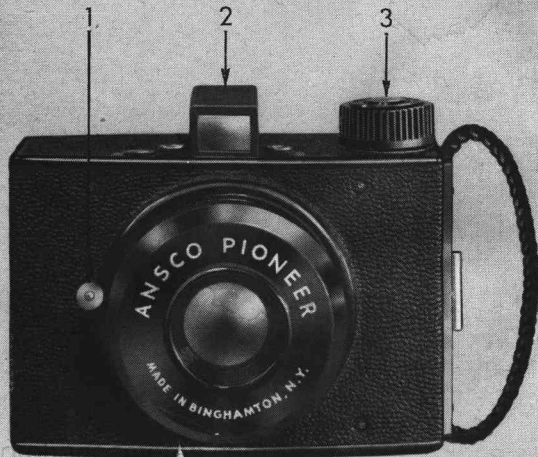
FOR USE WITH 620 SIZE ANSCO FILM

1. SHUTTER RELEASE

2. OPTICAL VIEW FINDER

3. WINDING KNOB

FIGURE 1



You have selected one of Ansco's most modern compact cameras—the popular Ansco Pioneer 20. This camera has been especially designed to allow you to take good pictures even though you may not be an experienced photographer.

The Ansco Pioneer 20 Camera will make outdoor pictures as easily as any box camera and for indoor use the Pioneer 20 is equipped so that you can use the inexpensive Ansco Flash Unit sold separately. This makes your Pioneer 20 Camera into a synchronized flash camera and allows you to take flash bulb pictures indoors just as easily as outdoor snapshots.

To get better pictures with your new Ansco Pioneer 20 Camera, read the directions in this booklet carefully. If you would like more complete details on picture-taking, get a copy of "Better Photography Made Easy," a 60-page book sold at most photographic counters for \$.25 a copy.

For further help and information on your photographic problems, write to Ansco, Customer Service Department, Binghamton, New York. There is no charge for this service.

Your Ansco Pioneer 20 Camera takes 8 pictures $2\frac{1}{4} \times 3\frac{1}{4}$ inches on Ansco 620 roll film. Ansco makes three types of black-and-white roll film which will fit your Pioneer 20.

First there is the popular Plenachrome—a higher speed orthochromatic film for outdoor pictures and general amateur use.

Next, Ansco makes Supreme—an improved, high-speed panchromatic film for pictures on dull, rainy days and for indoor pictures.

Finally, there is Superpan Press—an extremely fast panchromatic film for use under poor light conditions and greater subject range with any camera.

IT'S EASY TO USE YOUR ANSCO PIONEER 20!

Here are 5 simple steps to follow for good pictures with your Pioneer 20.

1. GET ACQUAINTED WITH YOUR PIONEER!

Look at the photograph in the front of the book and with the camera in your hands, identify each of the parts by following the numbers shown on the photograph. Before loading your camera, make a few trial shots to be sure you know exactly how your Pioneer works. A little time spent in this manner will result in better pictures to proudly show your friends.

2. LOAD YOUR CAMERA WITH ANSCO 620 FILM.

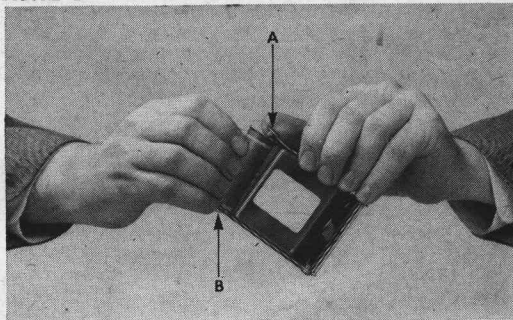
It's not hard to load an Ansco Pioneer 20! All you do is this:

- A. Pull up on the nickel-finished catch on the side of the camera with fingers of one hand. With the fingers of the other hand, hold the edges of the back—pull and the back will open.

- B. Now pull the film winding knob (Figure 1, #3) up and remove the metal cone from the inside of the camera. Notice as you remove the cone that the curved edge of the cone is near the back of the camera. Also, notice that the upper side of the cone is marked "top" in letters stamped in the metal.

- C. Take the camera and the cone to a shady place and put a roll of Ansco 620 Film in the empty spool sockets. To do this, just place the cone flat on its smallest opening so that the largest opening faces up. Now insert a roll of film in the empty spool socket engaging pins on the arms A and B (Figure 2), break the paper seal on the film

FIGURE 2



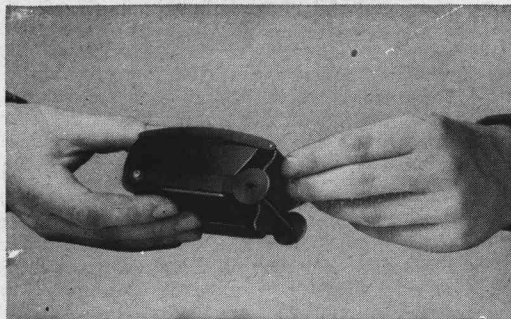


FIGURE 3

and draw the paper leader over the top of the cone (Figure 3) passing over the little metal rollers at each edge of the cone. *Never* thread the film under these rollers as your camera will not operate. Be sure that the green or red side of the paper faces up and that the black side of the paper faces into the cone. Next, thread the pointed end of this paper leader through the slot in the empty film spool and bend the tip back to secure it tightly.

- D. Now put the cone back in the camera. Be sure that the side with the word "top" is up and that the smallest part of the cone goes into the camera first. Turn the winding knob until it begins to pull the paper across

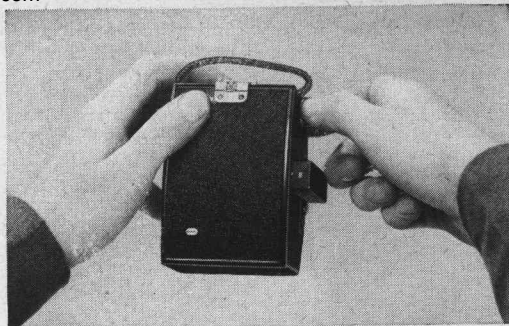


FIGURE 4

the back of the camera, then push it all the way down. Give the winding knob three turns to secure the paper tightly. Now close the back of the camera tightly. (You should hear the catch snap). Turn the winding knob until the figure 1 appears in the little red window on the back of the camera (Figure 4). (A pointing hand and four dots in a row will appear just before the number appears.) Now you're ready to—

3. TAKE THE PICTURE.

Hold the camera close to your eye—as shown in Figure 5, firmly in your two hands and nestle it against your cheek and nose. This will prevent movement of the camera which makes your pictures fuzzy and not sharp.

Look through the view finder and select your subject view. Remember what you see there is what will appear in your finished picture.

Press firmly down on the red shutter release lever. Do this evenly, slowly without jerking the camera.

FIGURE 5



When the shutter has clicked, immediately wind the film until the next number appears. If you do this every time, you will not make any double exposures.

4. UNLOAD YOUR CAMERA.

When the last snapshot has been taken, wind the film until you see the end of the paper pass the red window. Then, in a shady place you can open the back of your camera, pull out the winding knob and remove the cone from the camera.

Fold the pointed end of the red or green paper where it says "Fold under here" and seal it with the exposed sticker. The film is now ready to be developed and printed.

Move the empty film spool to the other end of the cone and load with a fresh roll of Ansco 620 Film.

5. MAKING FLASH EXPOSURES.

You can have lots of fun at night taking flash pictures of your friends at parties and at home with your Ansco Pioneer 20. All you need is the Ansco Flash Attachment which can be bought at any photographic dealer, a roll of Ansco 620 Supreme or Super Pan Press Film, two new penlight-size batteries and some small or medium-size flash lamps. Be sure the batteries are fresh. New batteries are good for about 100 flash pictures but will lose their strength with age. Three months is about the average life of batteries used for flash pictures. Worn out batteries will either

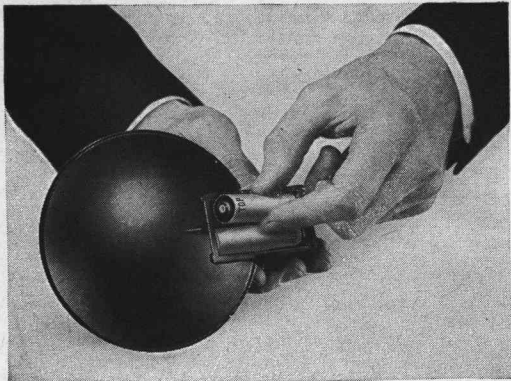


FIGURE 6

not flash the lamp at all or will flash it too late for proper synchronization.

To load batteries in the flash unit, remove the metal back of the flash attachment by lifting up on one of the side clamps. The batteries fit inside the attachment, as shown in Figure 6. Make sure that the top and bottom of batteries and all contact points in battery box are clean and that the batteries are in series, that is, **ONE SHOULD BE TIP UP AND ONE TIP DOWN**, as marked inside the battery box.

Replace the metal back and attach the flash unit to the camera (Figure 7) by plugging it into

the holes in top of camera. Spread slightly the notch in each prong to assure snug fit.

Before taking flash pictures, always operate shutter several times before loading the camera with film. This assures clean contact points and smoother operation of shutter.

When you are ready to make a flash exposure, screw a flash lamp into the socket of the Flash Unit. Simply aim the camera, press down on the shutter release just as you would for an ordinary

FIGURE 7



snapshot. The shutter and lamp are synchronized so that the lamp flashes during the brief time that the shutter is open.

Because light varies with different lamps and according to the distance your camera is from the object you are photographing, be sure to consult the exposure table to select the correct distance from the camera to the subject.

FIGURE 8



EXPOSURE TABLE

Type of Anso Film	Distance Your Camera Should Be From Subject	
	With Small* Size Lamp	With Medium** Size Lamp
Superpan Press Film	12 to 15 ft.	15 to 25 ft.
Supreme Film	8 to 12 ft.	12 to 15 ft.
Plenachrome Film	6 to 9 ft.	9 to 12 ft.

*Such as Superflash No. 0, Press 25, Press 40, Photoflash No. 5 or No. 6.

**Such as Superflash No. 2, Press 50, Photoflash No. 22, No. 31 or No. 11.

GENERAL INFORMATION:

Your Anso Pioneer 20 Camera is a fixed-focus camera. This means that everything from a point 8 feet in front of your camera to infinity (as far as you can see) will be in focus, that is, will be sharp and clear in the finished picture. To take pictures of objects closer to your lens than 8 feet, you must use a portrait attachment over the regular camera lens. With this accessory, you can photograph objects as close as $3\frac{1}{2}$ feet to your lens. A portrait attachment can be obtained from your local photographic dealer.

Holding the camera as shown in Figure 5 will give you horizontal pictures. However, for tall subjects, you may want vertical pictures and in such a case the camera may be turned at right angles to the one shown in Figure 5.

Never use force if the parts of the camera seem to jam. They are designed to fit together easily. Instead, stop and find out the cause for the jam.

Clean the lens of your camera once in a while. Use a bit of cotton, cleansing tissue or a soft linen handkerchief. Occasionally, wipe the inside of your camera to keep it free from dust. Keeping your camera clean will give you clearer, sharper pictures.

Don't permit the sun to shine on your lens when taking a picture. Always try to shoot the picture with the sun behind you.

Hold the camera level, and press the shutter release gently but firmly. Remember the slightest jar or movement may cause a blur in your picture.

Don't try to get too much in one picture. Take time to select your subject in the finder.

Have your film developed soon after it is exposed.

**GET BETTER PICTURES WITH YOUR
PIONEER 20 CAMERA . . . USE**

AnSCO Film

Ask for AnSCO 620
PLENACHROME
For Outdoor Pictures



Ask for AnSCO 620
SUPREME
For Pictures Outdoors
and Indoors



Ask for AnSCO 620
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For Pictures Indoors

