JN151

ANSCO

BINGHAMTON, N. Y. MADE IN U. S. A.

How to use your
PIONEER 16
T. M. REG. U. S. PAT. OFF.
CAMERA



In choosing the popular Ansco Pioneer 16 you have selected one of Ansco's most modern, compact cameras. The Pioneer has been especially designed to help you to take good pictures even though you may not be an experienced photographer.

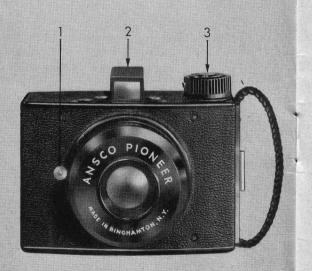
The Ansco Pioneer 16 makes good outdoor pictures. It also has built-in flash synchronization to enable you to take good indoor pictures. All you have to do is attach either Anscoflash Type I (JN174) or the Ansco Flash Unit (JN149) to your camera for flash pictures.

YOUR PIONEER 16 TAKES 8 PICTURES THIS SIZE (2½" x 4¼") ON ANSCO 616 FILM

ANSCO PIONEER 16 CAMERA

- 1. Shutter Release
- 2. Optical View Finder
- 3. Winding Knob

Figure I



GET ACQUAINTED WITH YOUR PIONEER!

The photograph on the opposite page will help you to identify the parts of the camera. Before loading your Pioneer, experiment with it a bit to be sure you know exactly how it works. A little time spent in this manner will result in better pictures.

Your Ansco Pioneer 16 is a fixed-focus camera. This means that everything from a point 8 feet in front of your camera to infinity (as far away as you can see) will be sharp and clear in the finished picture.

The Pioneer may be used for making either horizontal or vertical pictures, depending on the type of subject. In any case, be sure the vertical lines in the scene run parallel to the sides of the viewfinder. For subjects such as small children or pets don't be afraid to hold the camera down level with your subject.

To take pictures of objects closer to your lens than 8 feet, you must use a "portrait lens" over the regular camera lens. With this inexpensive attachment, you can photograph objects as close as $3\frac{1}{2}$ feet to your camera. A portrait attachment can be obtained from your photographic dealer.

BEFORE YOU LOAD . . .

Ansco makes three black-and-white roll films in 616 size to fit your Pioneer 16:

- First, there is the popular PLENACHROME—a medium speed orthochromatic film for outdoor pictures and general amateur use.
- Next, Ansco makes SUPREME—a fine-grain, fast panchromatic film for all-around picture taking.
- Finally, there is SUPERPAN PRESS—a high-speed panchromatic film for use under adverse lighting conditions where an extremely fast film is needed.

LET'S LOAD THE PIONEER . . .

It's easy to load your camera! All you do is:

- Lift up the nickel-finished catch on the end of the camera, holding the camera with the other hand. Pull out to open the back.
- 2. Pull out on the film winding knob (Figure 1) and remove the metal cone from the inside of the camera. Notice as you remove the cone that the curved edge is at the back of the camera. Also, notice that the top side of the cone has "Top" stamped in the metal.
- 3. Take the camera, the cone and a roll of Ansco 616 Film to a shady place to load. Always load your camera in subdued light. Now insert the roll of the film so that it engages the spool pins







ALWAYS LOAD YOUR CAMERA IN SUBDUED LIGHT

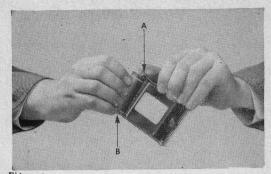


Figure 2

on the arms A and B (Figure 2), break the paper seal on the roll and draw the paper leader over the little metal rollers (Figure 3) at each edge of the cone. Do not thread the paper under these rollers. Be sure that the black side faces into the cone. Next, thread the pointed end of the paper through the longer slot in the empty film spool and bend the tip back to secure it tightly.

4. Now put the cone back into the camera. Be sure that the side with the word "Top" is on top and that the smaller part of the cone goes into the camera first. Push the winding knob



Figure 3

Figure 4

in and turn until it begins to pull the paper across the back of the camera. Give the knob three turns to secure the paper firmly. Now close the back of the camera tightly (you should hear the back "snap" shut). Turn the winding knob until the number "1" appears in the little red window on the back of the camera (Figure 4). (A pointing hand and four dots will appear before the first number).





LET'S TAKE A PICTURE . . .

Hold your Pioneer close to your eye (Figure 5) pressing against your cheek and nose to prevent movement of the camera. The slightest movement will cause fuzzy, unsharp pictures. Standing at least eight feet away from your subject, look through the view finder and select your picture. What you see in the finder is what you'll get in the finished picture! Press down firmly on the red shutter release lever. Do this evenly and slowly without jerking the camera.

Wind the film immediately to the next number. Most experienced photographers find that this is the surest way to prevent double exposure.

HOW TO UNLOAD . . .

When the last picture has been taken, wind the film several turns after the end of the paper has passed the red window. Then, in a shady place open the back of your camera, pull out the winding knob, take the cone from the camera and remove the film being careful that it does not unwind. Fold the pointed end of the colored paper where it says "Fold Under Here" and seal



Figure 5

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 616 Film.



Figure 6

MAKING FLASH EXPOSURES . . .

You can have lots of fun under poor light conditions taking flash pictures of your friends at

Simply aim the camera and press down on the shutter release just as you would for any picture (Figure 6). The shutter and lamp are synchronized so that the lamp flashes during the brief time the shutter is open.

All you need is a flash unit, a roll of Ansco 616 Supreme or Superpan Press Film, two new penlight-size batteries and as many small or medium-sized flash bulbs as you think you will need.

You can use either Anscoflash Type I (JN 174) or the Ansco Flash Unit (JN 149) on your Pioneer 16.

Anscoflash Type I was designed for use with Press 25 or Photoflash No. 5 flash bulbs. These bulbs furnish adequate light for pictures 8 to 16 feet from your camera—for average snapshots. This flash unit, with its handy bulb release, makes an ideal unit for flash pictures.

After you have chosen your flash unit—Anscoflash Type I for fast, convenient action over shorter distances or the Ansco Flash Unit for more deliberate work over broader working distances—





Figure 7

attach it to your camera by plugging it into the holes on top of the camera (Figure 7).

Flash bulbs should always be placed in the flash unit after the unit is attached to the camera to prevent accidental flashing of the bulb.

Both flash units use two small penlight type batteries in a compact, built-in battery compartment.

FRESH BATTERIES ARE IMPORTANT

Fresh batteries will last for about 100 exposures but lose their strength with age, three months being the average life of a battery when used for flash work. Worn-out batteries will not flash the lamp.

In taking flash pictures always operate the shutter several times before loading the camera with film. Be sure no lamp is in the socket. This assures clean contact points and smoother operation of the shutter.

FLASH EXPOSURE TABLE

ANSCO FILM	Camera-to-Subject Distance	
	Small Bulb*	Medium Bulb**
Superpan Press	12 to 16 ft.	16 to 25 ft.
Supreme Film	8 to 12 ft.	12 to 16 ft.
Plenachrome Film	8 to 9 ft.	9 to 12 ft.

Do not use SM or SF type bulbs with this camera.

HINTS FOR BETTER PICTURES

- 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 jamming.
- Always stay at least eight feet away from your subject when taking pictures.
- Clean the lens of your camera carefully whenever necessary. Use a bit of cotton cleansing tissue or a soft linen handkerchief. Occasionally, blow out the inside of your camera to keep it free from dust. Keeping your camera clean will give you clearer, sharper pictures.
- Don't let the sun shine on your lens when taking a picture. Always try to take pictures with the sun behind you.
- Hold the camera level, and press the shutter release gently but firmly. Remember, even slight movement may cause blurred pictures!
- Don't try to get too much in one picture. Take time to select the important part of your subject in the finder.
- Have your film developed soon after exposing it.

^{*}Such as Press 25 or Photoflash No. 5 (bayonet-base bulbs); or Superflash No. 0, Press 40, and Photoflash No. 11 (screw-base bulbs).

^{**} Such as Superflash No. 2, Photoflash No. 22.

TO GET BETTER PICTURES with your new Ansco Pioneer 16 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 by most photographic dealers.

FOR FURTHER HELP AND INFORMATION

on your photographic problems, write to Ansco, Customer Service Department, Binghamton, New York.