

POLAROID PRINT COPIER FOR SSTV

Having been on SSTV for a little over one year now and using the Robot SSTV equipment I have found that at times I desired a quick way to write calls, focus on pictures, etc., without having to use the magnetic letters that I have. I wanted something that I could insert a small card or picture in and then focus the Robot camera on for transmission of pictures. Such a device would have its own light source so that external lighting would not be required and it would also have its own lens so that close-up lens for the Robot camera would not be required.

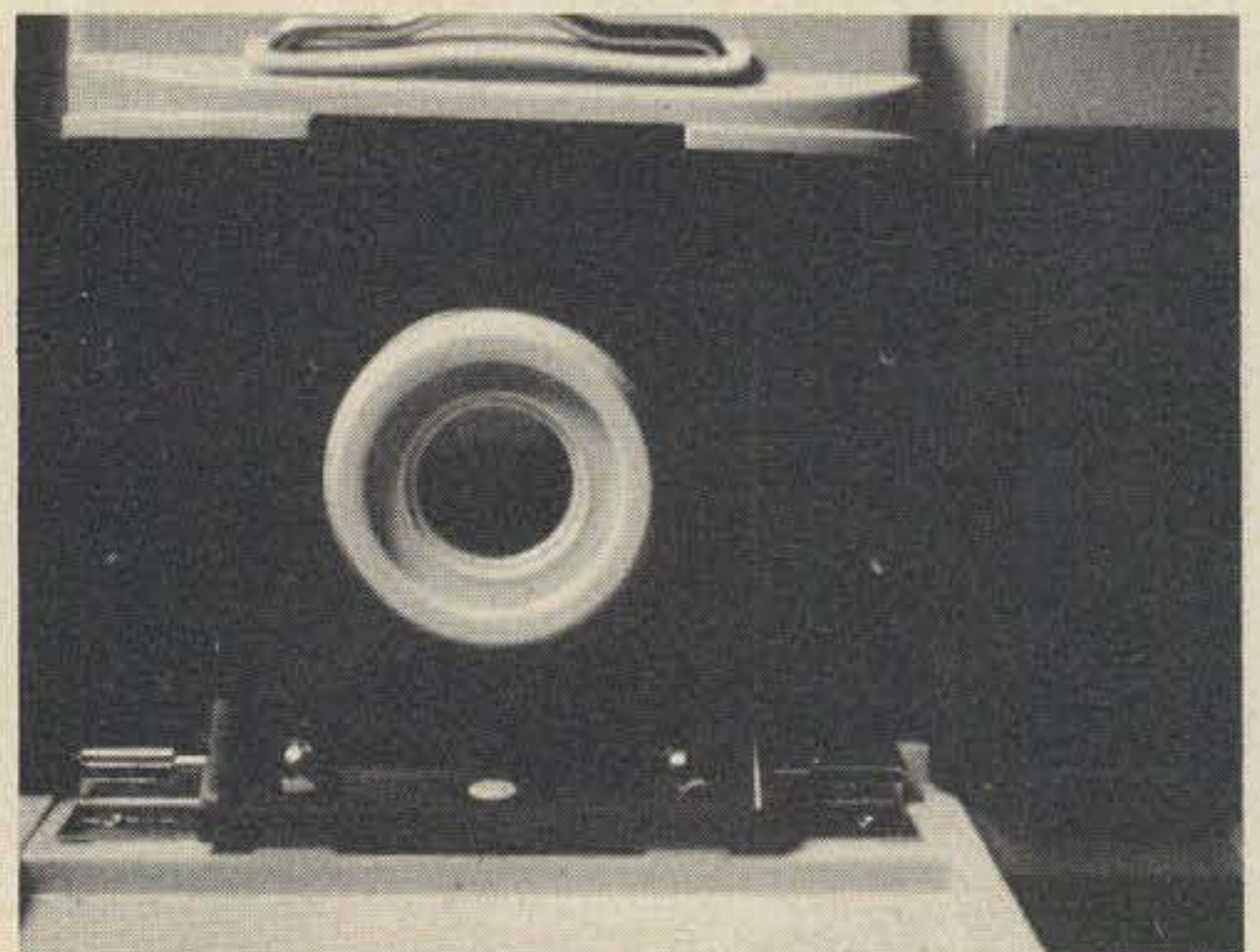
Before going to the drawing board and work bench to build such a device, I decided to look around the shack to see if I had anything I could modify that would meet

my requirements. For several years I have had a Polaroid Print Copier, Model 230, which was used with the old Model 80 Polaroid cameras to make copies of Polaroid prints. The copier has its own light source and its own lens. The only problem that I could see with using the copier as it was originally designed was that it had a large door (see photo) that must be removed in order that the Robot camera could be placed close to the copier to focus the Robot camera on the picture or writing that I wanted to be transmitted.

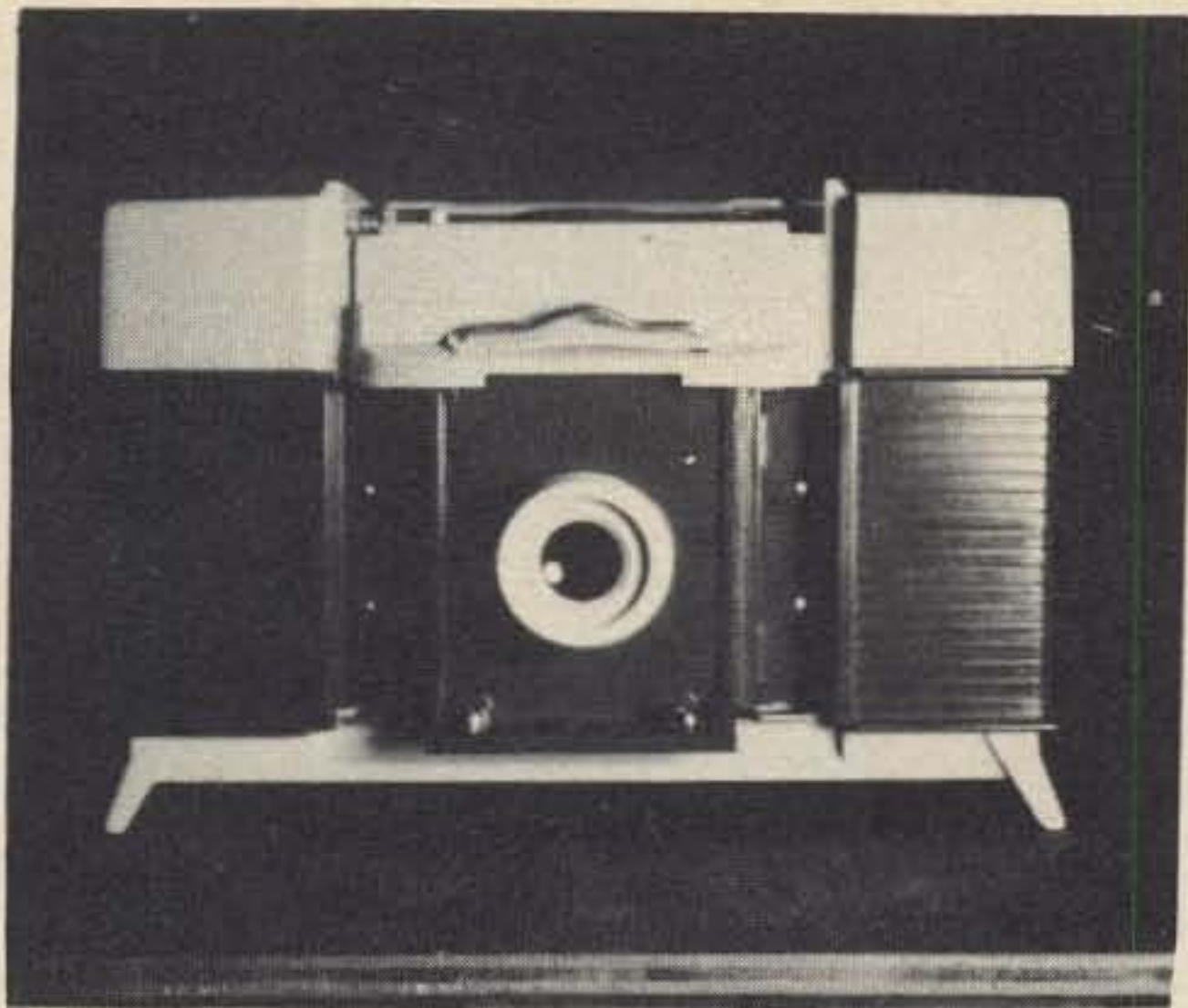
It is a simple matter to remove the door, which also has the lens attached to it. All that is required is the removal of the two nuts that hold the lens frame to the door and the removal of the pin that hinges the



Polaroid Print Copier before modification showing the door that must be removed before copier can be used for SSTV. Notice the 2 nuts just below the lens – these are to be removed along with the pin that holds copier door to the body.



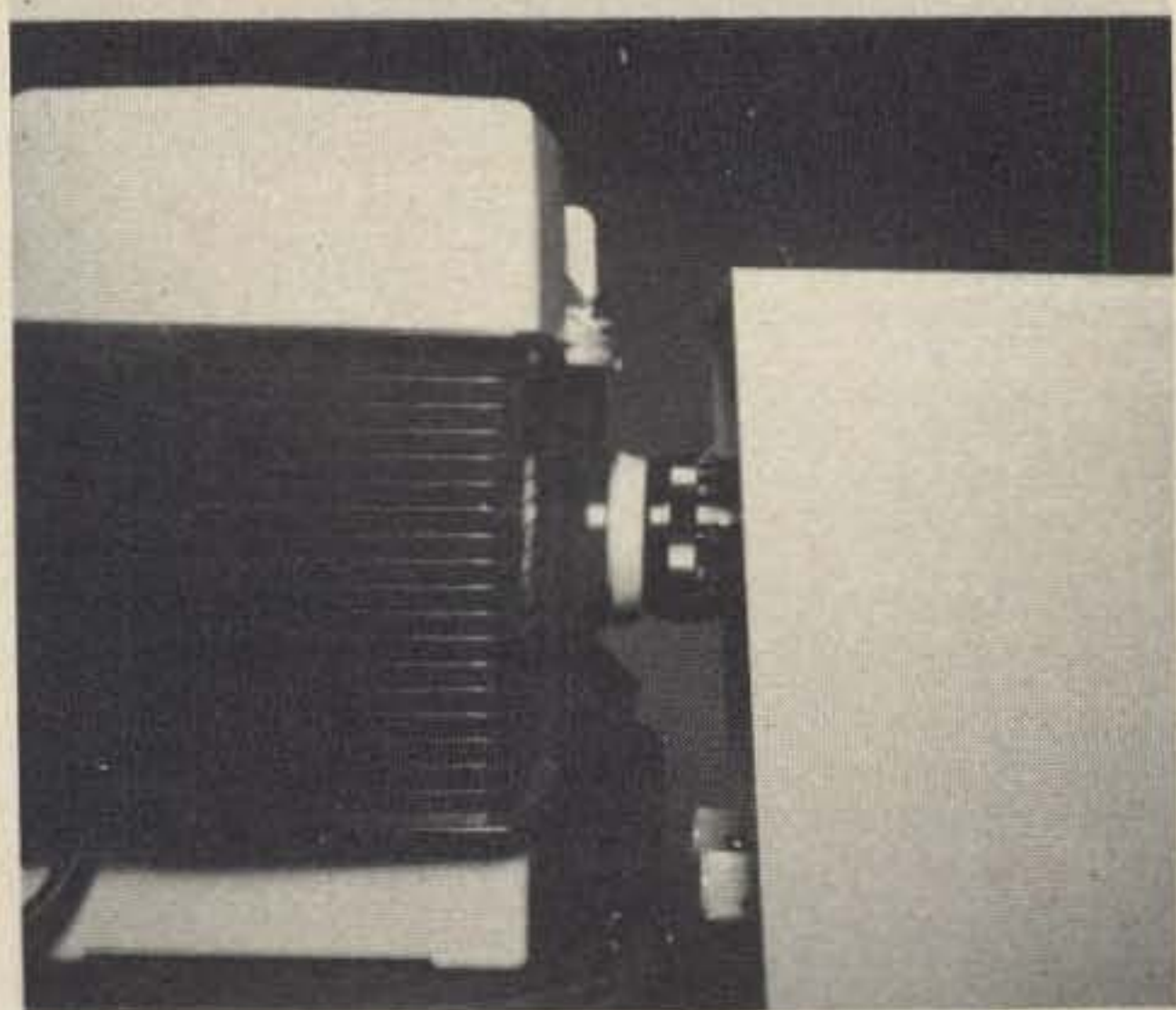
Close-up of Polaroid Print Copier showing lens, the 2 nuts that must be removed, and door hinge (pin must be removed).



Polaroid Print Copier after door was removed. Notice the two nuts on lens door — these are removed — merely shown here to indicate the ones that were removed. Lens door is glued back in place.

door to the body of the Polaroid Copier. With this done, you will now find it necessary to put the lens back, but this time without the door. Put a small amount of glue around the lens frame and place back on the Copier. The Polaroid Copier is now ready to be used with SSTV.

To use the Robot SSTV camera with the Model 230 Polaroid Copier first set the Robot lens to infinity and place the lens of the camera to the lens of the Copier as shown. Place a picture or small card in the Copier, turn on the light in the Copier, adjust lens opening of the Robot camera for the amount of light needed, and you are ready to transmit SSTV pictures. Some



Robot SSTV camera and Polaroid Print Copier being used to transmit SSTV pictures.



Picture made using the Polaroid Print Copier for SSTV.

experimenting will be required to see just how much writing can be used and the size of the picture that you can use, but this can be determined without much difficulty.



Picture that was used to make transmit picture using copier. Notice that in previous photograph only the head was actually transmitted.

As for acquiring one of the Polaroid Print Copiers — Model 230 — it should not be too difficult. The copiers cannot be used with the newer Polaroid cameras, and this particular model was designed to be used with the Model 80 Polaroid camera. It is my understanding that there are not many of the Model 80 cameras being used as it is rather hard to acquire films. The original cost of the Model 230 copier was about \$29.95. It is suggested that if one of the copiers is desired that you contact some of the large photographic dealers.

...K4PRT