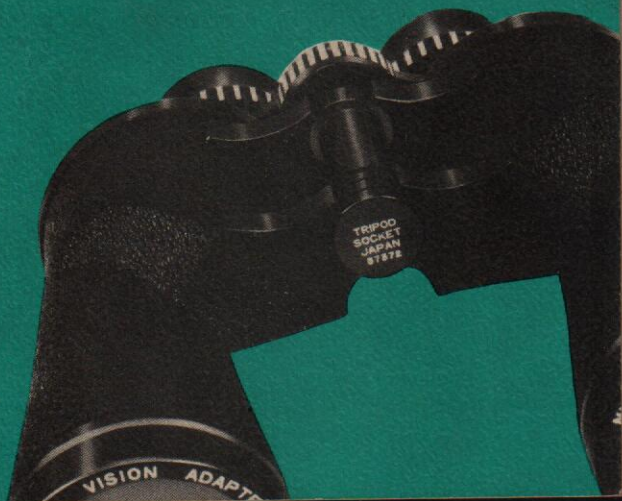




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By:
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FOCAL

Binoculars



ABOUT YOUR BINOCULAR:

In outdoor activities, one can enjoy "added" dimension when he has a binocular to make company... at races, on ships, for hunting, bird watching and many more.

The optical construction of binoculars is similar to that of field glasses, excepting that in binoculars there are prisms to reflect the path of light.

As a result, obtaining magnification of say from six to twenty power is possible and this without any bulky glass.

All of our prismatic binoculars are equipped with achromatic lenses.

And because they produce high magnification and a good field of view with very compact body, they are popular not only among professionals but amateurs alike:

POWER OF BINOCULAR:

Means the number of times an object is magnified, or a glass with a power of 8X would magnify it eight times.

Simply said, an object four miles away can be focused only at half a mile distance when using an 8 power glass.

Identifications such as "8X30" "7X50" or "20X65" usually marked on binoculars mean magnification of 8X, 7X or 20X and objective lens diameter of 30mm, 50mm or 65mm.

FIELD OF VIEW:

Is the extent of the field seen through the glasses.

It is expressed either in angular measure or in feet at a range of 1,000 feet.

This is to say that a glass with a field of view of 150' will show you 150 feet of landscape at 1,000 feet, proportionately greater fields at longer ranges and less at shorter ranges.

The greater magnification, the less the field of view.

This is an optical necessity.

It follows, therefore, that if you choose a glass with large magnification you must be prepared to accept a smaller field of view than you would obtain with a less powerful glass.

WIDE ANGLE TYPE BINOCULARS:

Binoculars with multiplied figure of magnification and field of view exceeding more than 65 are ordinary called wide angle binoculars.

For instance, at 7X and if field of view is 10° (525 feet at 1,000 yards), its multiplied figure will be 70 and as such it surely is of wide angle.

At 7X and if field of view is 11° or 12.5° , it is called "EXTRA WIDE" since multiplied figure is 77 or more.

On the other hand, at 7X and if field of view is 7.1° , it is dubbed regular view type since multiplied figure of 49.7 is far below 65.

It goes without any saying that wide angle types are easier for viewing than regular types and one can enjoy added dimension in various games and for watching shows and so on.

COATING:

It is a well-known optical phenomenon that under normal conditions, a loss of over 5% of light occurs on passing through an air-to-glass surface.

An optical instrument such as a binocular which contains many air-to-glass surfaces inevitably, fails to transmit to the eyes a considerable portion of the light it receives.

But "coating" of the lens surfaces eliminates this loss and restores the light to the transmitted beam.

"Coating" therefore, has two obvious advantages:

- (1) The image or field of view is considerably brighter due to the increased transmission of light.
- (2) Contrast and definition are improved because of the almost complete elimination of stray light reflected to and from between the various lens surfaces.
- (3) Siam Cat as a premium coating for better night and low light conditions.

HOW TO FOCUS....

First, position the right diopter scale's O by aligning with a dot underneath.

Then look into the binocular eyepieces and by moving the center wheel around, adjust until you can get a clear image of what you want to look at.

If your eye sights, both left and right, are differing substantially, then look into the left eyepiece to get a clear left image by moving the center wheel around.

And here again, by looking into the right eyepiece and by adjusting the diopter scale, you should be able to obtain the proper viewing.

IMPORTANT:

HANDLE YOUR BINOCULAR
WITH GOOD CARE,
ALWAYS CLEAN THE
LENSES WITH A SOFT
CLOTH OR A FINE
TISSUE PAPER AND KEEP
THEM IN A DRY
CLEAN PLACE.

WARNING!!

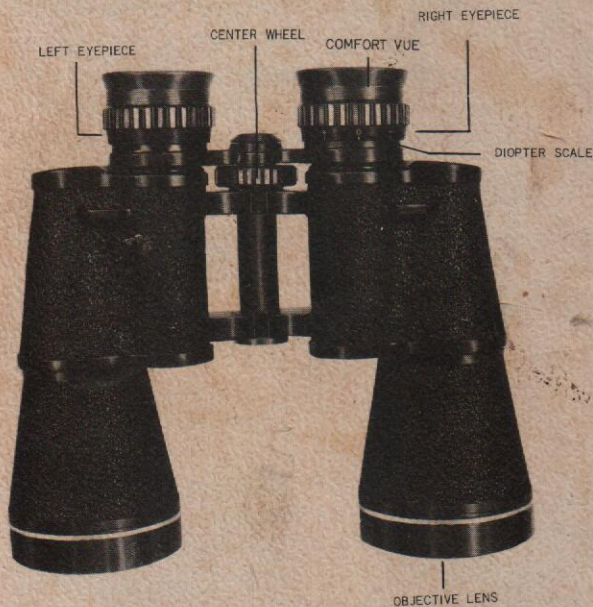
IMPORTANT! NEVER VIEW THE SUN THROUGH
THIS INSTRUMENT. TO DO SO WILL CAUSE
PERMANENT DAMAGE TO THE EYE.

S. S. KRESGE COMPANY

FOCAL Binoculars are of the finest aluminized construction for sturdy durability and lightweight handling ease.

The optical system is coated, ground and polished to rigid optical standards.

NOMENCLATURE



Printed in Japan