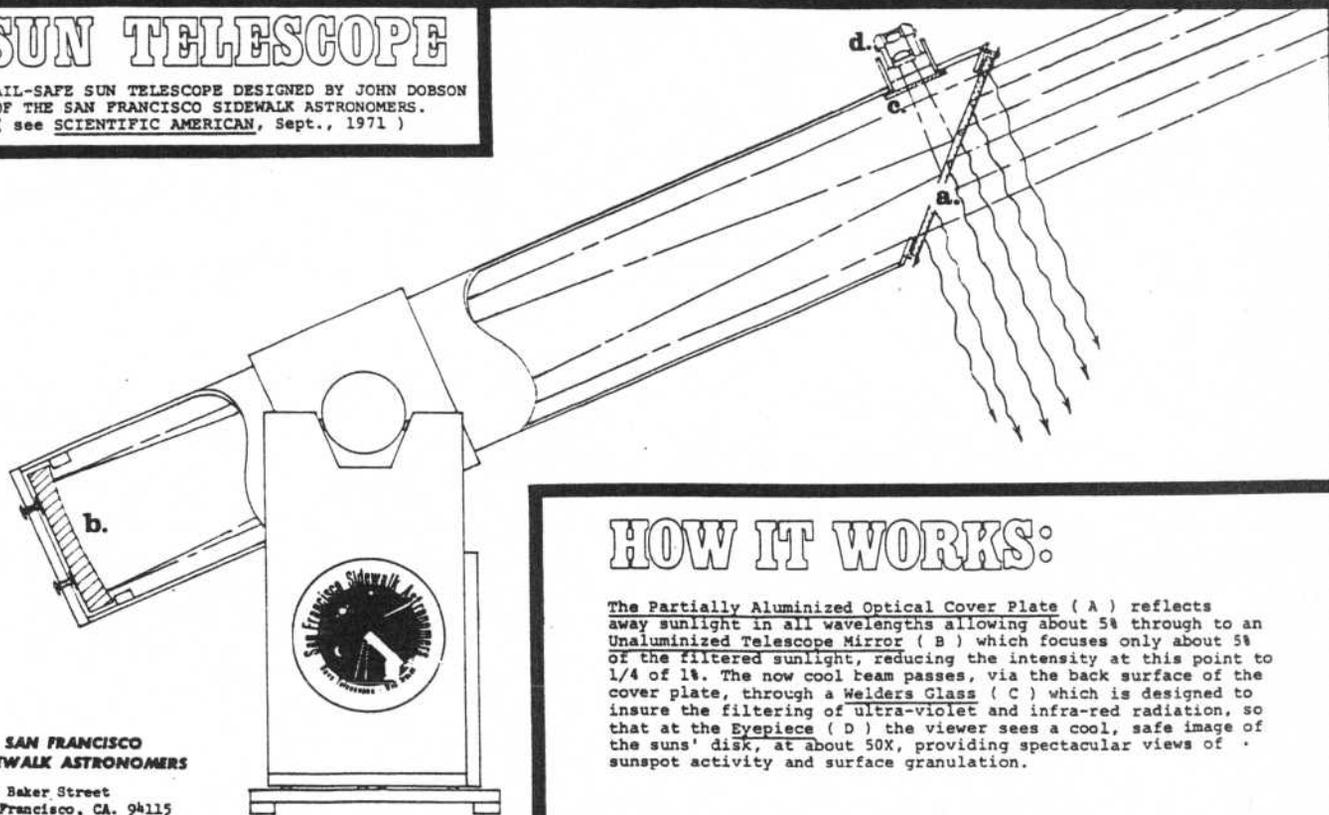


SUN TELESCOPE

A FAIL-SAFE SUN TELESCOPE DESIGNED BY JOHN DOBSON
OF THE SAN FRANCISCO SIDEWALK ASTRONOMERS.
(see SCIENTIFIC AMERICAN, Sept., 1971)



HOW IT WORKS:

The Partially Aluminized Optical Cover Plate (A) reflects away sunlight in all wavelengths allowing about 5% through to an Unaluminized Telescope Mirror (B) which focuses only about 5% of the filtered sunlight, reducing the intensity at this point to 1/4 of 1%. The now cool beam passes, via the back surface of the cover plate, through a Welders Glass (C) which is designed to insure the filtering of ultra-violet and infra-red radiation, so that at the Eye-piece (D) the viewer sees a cool, safe image of the sun's disk, at about 50X, providing spectacular views of sunspot activity and surface granulation.

**THE SAN FRANCISCO
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