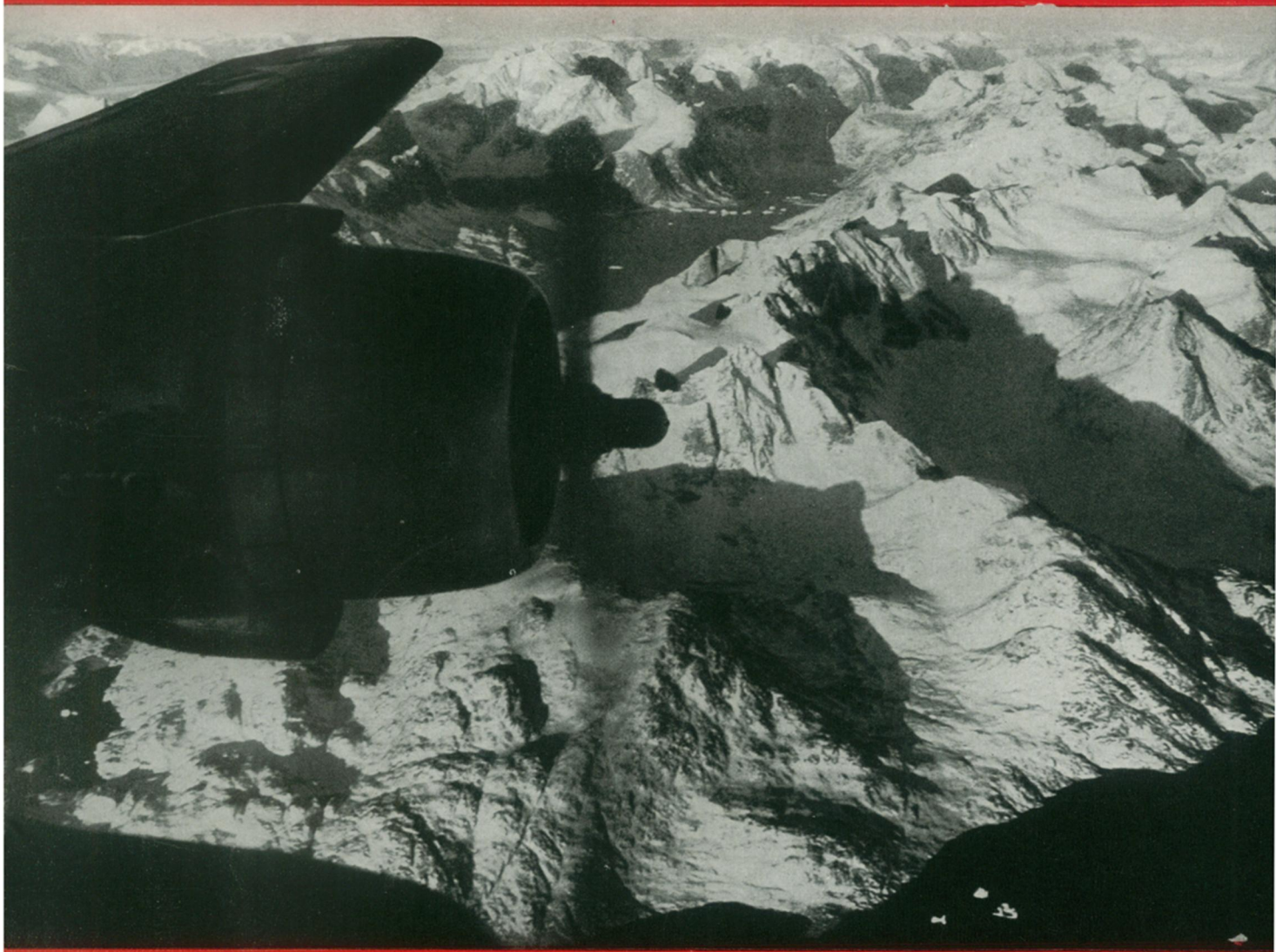


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SCIENCE NEWS LETTER

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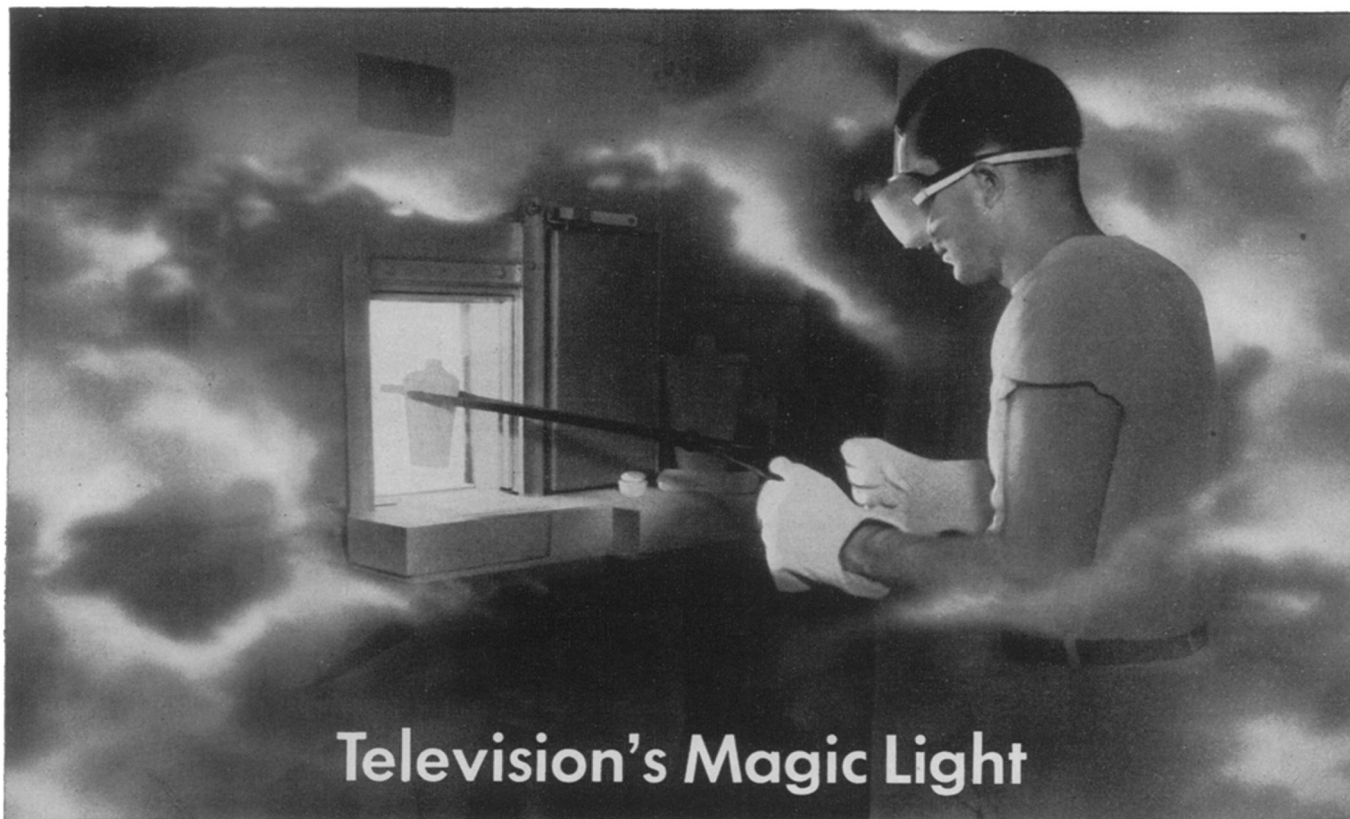
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BELL TELEPHONE SYSTEM





Television's Magic Light

HOW PHOSPHORS BRIGHTEN RADIO'S FUTURE

● In RCA Laboratories under special conditions in a "specpure" laboratory specially built to keep out even the slightest impurities of dust—new materials called "phosphors" are crystallized in furnaces at white heat.

When these crystals on the face of a television receiver tube are "bombed" by electrons, the television picture is recreated.

Development of phosphors that translate electrons into "magic light" made RCA all-electronic television practical for the home.

Besides television, phosphors serve many other useful purposes—fluorescent lighting for homes and office, luminescent tapes and plastics for dark interiors, especially on shipboard; in electron microscopes to probe the submicroscopic world, indirect illumination whereby the walls give off light, better theatre projection and sound reproduction.

Phosphors are one more example of how widely diversified are the ultimate benefits achieved through RCA research.



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