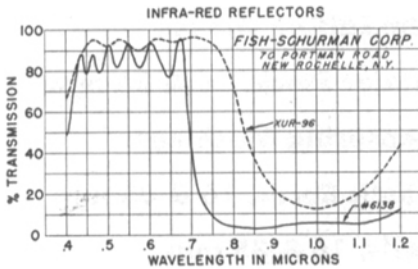


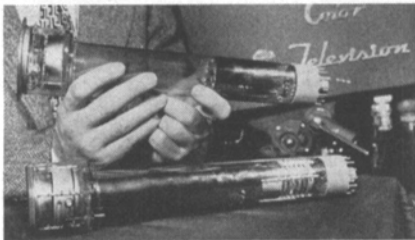
# new products

(and developments)

.....  
 Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products or services.



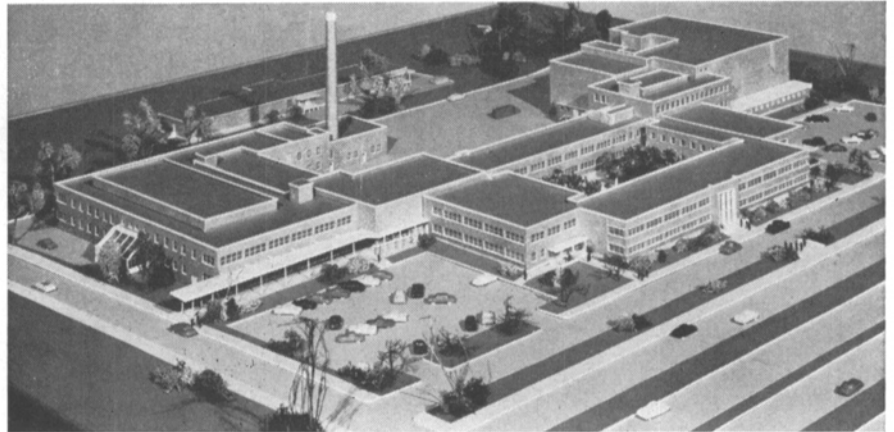
A new heat deflector and visible light transmitter designed for use with carbon arcs in motion-picture projectors has been announced by the Fish-Schurman Corp., 70 Portman Rd., New Rochelle, N.Y. Using the same high vacuum, multilayer process as the multilayer interference films made by the same company, this new deflector, the #6138, produces a spectral energy curve which is compared above with the curve of an older type of deflector.



The RCA Tricolor Vidicon Camera Tube is under development as shown above in comparison with an earlier tube. It is being designed to generate simultaneously all three of the primary colors of color television and is planned to combine all of the color pickup functions in a single tube no larger than the standard RCA image-orthicon tube used in black-and-white cameras. Precise optical and electrical registry is expected because of the simultaneous generation of signals within one tube. The heart of the tube is an intricate color-sensitive target applied to the face of the tube by an evaporation technique. The target, a rectangle whose diagonal measurement is only  $1\frac{1}{4}$  in., consists of nearly 900 fine vertical strips of alternating red, green and blue color filters, covered by three sets of semitransparent conducting signal strips spaced so closely that a group of several strips would be covered by the diameter of a

human hair. The signal strips corresponding to a given color are all connected to a common output terminal, and insulated at the same time from the strips of the other two colors. As the target is scanned by a

single electron beam projected from the rear of the tube, the color-sensitive filter<sup>s</sup> permit the signal strips to produce the signals. The beam scans horizontally across the face 30 times/sec.



**New Building for National Film Board:** On March 21, 1954, construction was started on a film production center for the National Film Board of Canada in the Ville St. Laurent, a suburb of Montreal.

The building was designed by John & Drew Eberson, Architects & Engineers of New York City, in association with Ross, Patterson, Townsend and Fish of Montreal. The photograph of the architects' model shows the principal sections of the building. The front portion of the hollow rectangle houses the administration, distribution and executive offices; the block to the left contains the processing laboratory, film

libraries, science film unit, and the development and mechanical shops; while the block to the right accommodates the main studio, scoring stage, recording facilities and animation section. Joining the production facility wings are the production offices. An isolated nitrate film storage vault is shown at the rear of the building.

Present construction schedules call for completion of the building early in May 1956. It is expected that installation of equipment will begin this October and that the main move of personnel from Ottawa to Montreal will be in June 1956.  
 —G. G. Graham.

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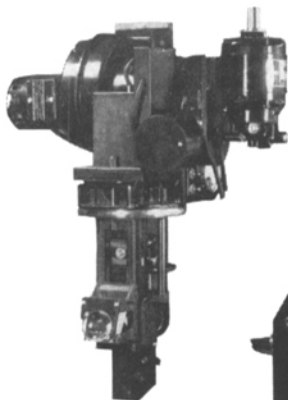


## AUTOMATIC FADE UNIT

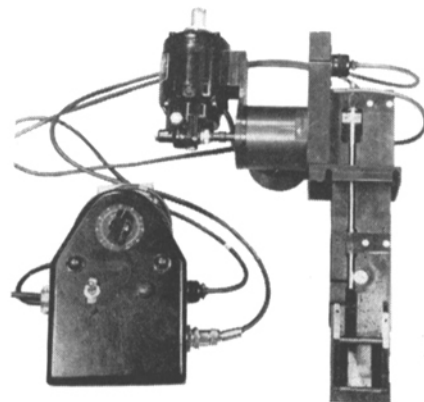
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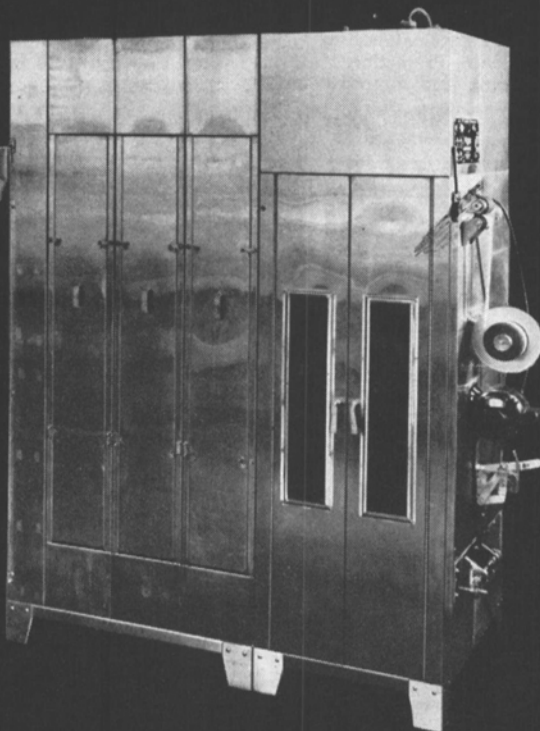
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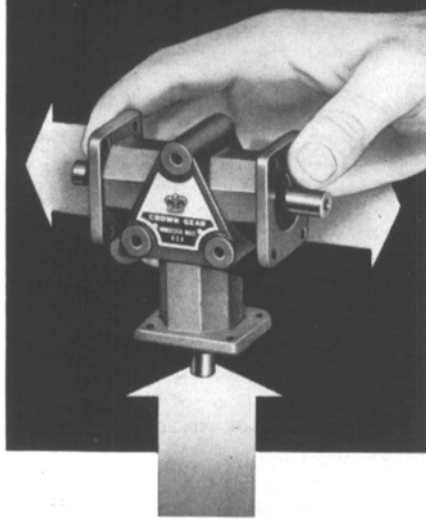
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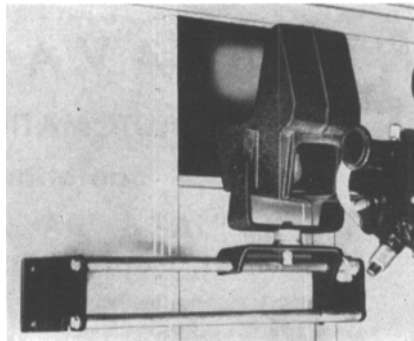
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The Delrama anamorphic system has recently been announced, with extensive descriptions and diagrams by Old Delft Optical Co., 33 W. 42 St., New York 36. Shown is a Projection Delrama unit in position for projecting an anamorphosed image. When film with non-squeezed images is to be projected, the unit is slid to one side. The Projection Delrama is made in two models, one for theaters where the projector is directed downward, say at 5° or more, onto a curved screen, and one for practically horizontal projection. The concern also has camera or taking anamorphosing equip-

ment. The Delrama is a 35mm system. The firm's 16mm system is called Vista-scope.

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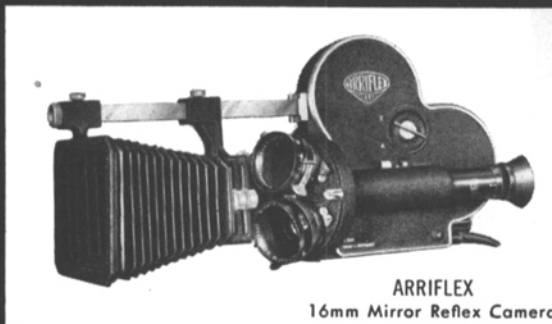
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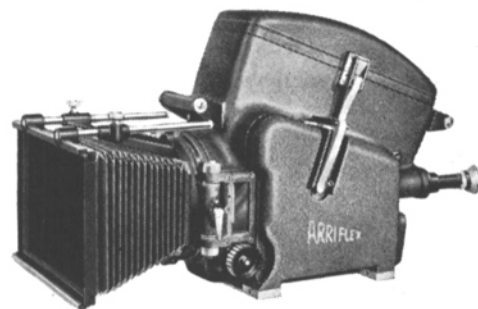
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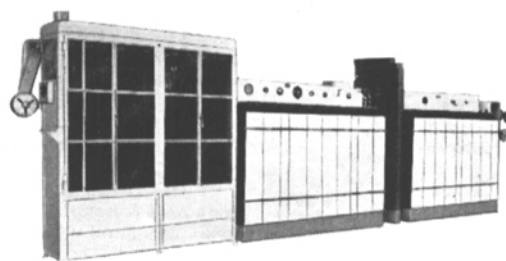


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