RCA Review

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Particle Counting by Television Techniques (p. 546) *L. E. Flory and W. S. Pike*

Aperture Compensation for Television Cameras (p. 569) *R. C. Dennison*

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TV Tube Substitutions (p. 50) *W. H. Buchsbaum*

Color TV (p. 51) *W. R. Feingold*

New TV Intermittent Checker (p. 56) *J. Racker*

Know Your 1954 General Electric TV Receivers (p. 63) *J. Najork*

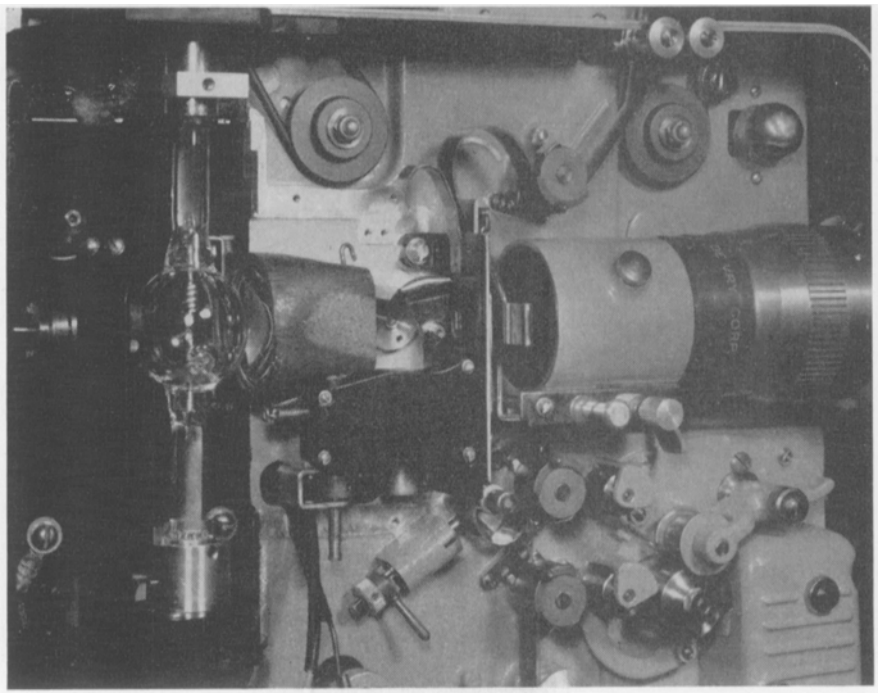
New Products

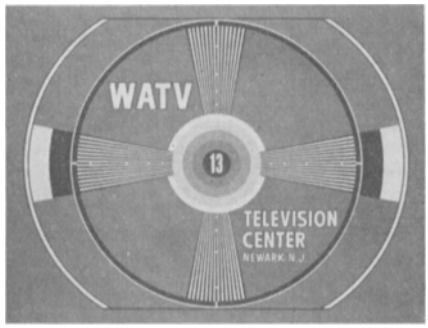
Further information about these items can be obtained direct from the addresses given. As in the case of technical papers, the Society is not responsible for manufacturers' statements, and publication of these items does not constitute endorsement of the products.

A new light source, claimed to be five times brighter than conventional bulbs and designed to function simultaneously as light and shutter, has been announced by De Vry Corp., 1111 W. Armitage Ave., Chicago, Ill. This development makes possible a shutterless motion-picture projector. It is also intended to meet unusual demands for brightness level such as are met with in 3-d projection and color television.

Ordinary projectors operate with 48 light fields in 24 frames/sec of film, giving each frame two light fields, with the shutter responsible for a loss of up to 50% of the available light. Since the new source eliminates the shutter, all the available light can be used. It consists of a xenon gas, quartz-enclosed arc lamp, specially designed to give intermittent fields of light to each frame as the film passes through the projector. Instead of the ordinary two fields, however, each frame receives five fields. The film is synchronized so that the pulldown on each frame occurs during the 4.5 msec of darkness between each flash. A standard shuttle is used for the pulldown. A full description of this new development is to be given at the SMPTE Spring Convention in Washington, D. C., May 3–7.

A new station identification slide is offered by Loucks & Norling Studios, Inc., 245 W. 55 St., New York 19. As the illustration shows, the call letters, channel number, address and any other information that may be wanted are fitted into

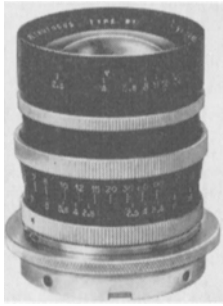




a resolution pattern. The price of a 2 × 2-in. slide, made up to include the customer's information, is $100. Additional slides cost $5.

RTMA television resolution charts available from Loucks & Norling are:

Slides (Mounted in glass)	
2 × 2 in., image 0.85 × 1.13 in....	$ 3.75
2 × 2 in., image 0.92 × 1.22 in....	3.75
3¼ × 4 in., image 2.25 × 3.0 in..	5.00
Motion-Picture Films (safety stock)	
35 mm Silent (no sound-track signal), 250 ft.	40.00
35 mm 400-cycle signal optical sound track, 250 ft	50.00
16 mm Silent, per unit of 100 ft . .	17.50
16mm 400-cycle signal optical sound track, 100 ft	25.00
Film Strips (safety stock, 35 mm)	
Unit of 40 frames [2½ ft in length) .	4.75



The Angenieux Retrofocus 35mm Lens, a new lens for television, is announced by Ponder & Best, Telelens Division, 814 North Cole Ave., Hollywood 38, Calif. Featuring a 64° angle of view, this high-resolution lens is intended to fill the need for a quality lens of short focal length. It is supplied in a focusing mount with iris diaphragm and having an effective aperture of f/2.5.

Employment Service

These notices are published for the service of the membership and the field. They are inserted for three months, at no charge to the member. The Society's address cannot be used for replies.

Positions Wanted

Wanted, Motion-Picture Industrial Engineer: 8 yrs planning plant expansion and improvement projects of film laboratories, including equipment procurement, contracting, expediting, bill-of-materials control, machine design, material handling, floor-plan layout, utilities. Familiar with cinematography, sensitometry, color principles, printing problems, mfg. processes. MIT-trained in mech., elec., indus. engineering. Esp. interested in Service Dept., producer liaison, or TV applications. Phone or write: F. L. Bray, DuArt Film Laboratories, 245 W. 55 St., New York City, PLaza 7-4580.

Motion-Picture Television Technician: 10 yr intensive skill and know-how related to 16-35mm cinematography, animation, recording (optical, tape, disk), editing, laboratory processing practice (black-and-white, color); also kinescope recording techniques; self-reliant; inventive; relocate if required; write: CMC, c/o Penning, 435 E. 74th St., New York 21, N.Y.

Motion-Picture Laboratory Technician: 3½ yr experience as motion-picture laboratory technician in black-and-white and color. Emphasis has been on color processing with both Ansco and Eastman color films. Experience in managing production and supervising personnel. Desire position that can make the most of above experience. Write; Bryan Allen, 812 Vermillion St., Gary, Ind.

Motion-Picture Cameraman: Retiring from Naval Service. 15 yr experience in camera operation, printing, processing, adm. and supervision of production crews. Desires position in TV, educational or industrial field, inaugurating a motion-picture program. Available after May 1954. Prefer West Coast. Write: W. W. Collier, 422 W. Jackson Ave., Warrington, Fla.

Electronics Engineer: B.S.E.E., 3 yrs chemical engineering, 2 yrs graduate work in physics. Currently working on Masters Degree. Engaged in gaseous electronics research, experienced in design and development of electronic instrumentation, installation and operation of automatic recording temperature control systems, vacuum system technique, maintenance and repair of all types of electronic equipment. 4 yrs retail business experience. Possess ability to write clear, concise reports. Interested in