



track, with both positive and negative halves representing bits of picture information up to 1.69 mc for the whole group of ten heads.

In playback, the sampling pulse is 0.15 μ sec in duration but the highest sampling rate of the video signal is 0.34 μ sec, giving 0.19 μ sec of dead time between samples. By shifting the time of sampling of the entire system so that it is alternately delayed between zero and 0.19 μ sec at a 15-cycle rate the field of the picture may be made up of twice as many samples, resulting in a high-definition picture containing detail well beyond that of a 3.39-mc image. Units which read only the peak value of successive samples are applied at the output of the video bus, thereby bringing the picture to an average energy level, the same as that of a customary signal. This "box-carrying," or dot-connecting, device, when used with the 15-cycle shift, results in a picture having a fairly indeterminate high-frequency cutoff, lying between 1.69 and 3.39 mc.

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

By a Motion-Picture Industrial Engineer: 8 yrs planning plant expansion and improvement projects of film laboratories, including equip-

ment 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.

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 the motion picture, both artistically and technically. Desire position with organization in Los Angeles area preferably engaged in motion-picture production. Expect to be in Los Angeles area in late summer this year. Request inter-

view. Member, IRE, SMPTE, Fla. & Nat. Soc. of Prof. Engs. Registered Engineer in Training State of Florida. Age, 28; unmarried. Write: Berel David Solomon, Box 274, Univ. Station, Miami, Fla.

Motion-Picture Producer-Director: Now employed in charge of motion-picture production for leading oil company. 18 yrs experience in production, script, direction, motion-picture photography, editing, scoring and recording of industrial, sales training, educational, travel and theatrical motion pictures. Highly experienced in low budget productions for industry. Available in near future; employer has been notified of desire for change to better position. Address inquiries to: A. P. Tyler, Box 2180, Houston, Tex.

Motion-Picture Cameraman: Wants position assisting editor or with production crew. College graduate, film production major, production experience prior to entering Service. Army cameraman for 2 yr in Arctic. Separation from Army July 16, 1954. Will consider temporary position and/or travel. Write Elliott H. Butler, 470 Audubon Ave., New York 33.

Positions Available

Permanent Position: Open for versatile 16mm cameraman familiar with all phases of industrial production. Write McLarty Picture Productions, 45 Stanley St., Buffalo 6, N.Y.

Motion-Picture Sound Mixer (male), GS-10: Require 5½ yr experience in sound mixing for radio, disk recording and motion-picture production, of which least 3 yr must have been in mixing for motion-picture production, include experience with live dialogue, narration, music, sound effects, lip synchronization and re-recordings. \$5500/yr. Obtain Form SF 57 at any first class Post Office or Government Agency; forward or deliver completed to Civilian Personnel Div., Signal Corps Pictorial Center, 35-11 35 Ave., Long Island City, N.Y.

Motion-Picture Asst. Director (male), GS-10: Require 5½ yr progressively responsible experience in motion pictures, theatrical, television broadcast or radio broadcast production which has demonstrated the ability to perform in this position. Included in general experience must be at least 2½ yr experience as a first assistant director in motion-picture production. \$5500/yr. Obtain Form SF 57 at any first class Post Office or Government Agency; forward or deliver completed to Civilian Personnel Div., Signal Corps Pictorial Center, 35-11 35 Ave., Long Island City, N.Y.

Meetings

75th Semiannual Convention of the SMPTE, May 3-7, Hotel Statler, Washington

Society of Motion Picture and Television Engineers, Central Section (with Western Society of Engineers), May 13

Society of Photographic Engineers, Fourth Annual Conference, May 26-28, U.S. Hotel Thayer, U.S. Military Academy, West Point, N.Y. Some 35 titles have been scheduled. For information write: Anthony E. Salerno, c/o Pavelle Color, Inc., 533 W. 57 St., New York 19.

Society of Motion Picture and Television Engineers, Central Section (with Western Society of Engineers), June 10

American Institute of Electrical Engineers, Summer General Meeting, June 21-25, Los Angeles, Calif.

Acoustical Society of America, June 22-26, Hotel Statler, New York

American Physical Society, June 28-30, University of Minnesota, Minneapolis, Minn.

American Physical Society, July 7-10, University of Washington, Seattle, Wash.

Illuminating Engineering Society, National Technical Conference, Sept. 12-16, Chalfonte-Haddon Hall, Atlantic City, N.J.

2d International Symposium on High-Speed Photography, Paris, September 22-28, 1954.

Arranged by the Association Française des Ingénieurs et Techniciens du Cinéma. Applications or inquiries should be addressed to the Secretary of the Organizing Committee, P. Naslin, Laboratoire Central de l'Armement, Fort de Montrouge, Arceuil (Seine), France.

Photographic Society of America, Annual Meeting, Oct. 5-9, Drake Hotel, Chicago, Ill.

American Institute of Electrical Engineers, Fall General Meeting, Oct. 11-15, Chicago, Ill.

76th Semiannual Convention of the SMPTE, Oct. 18-22, Ambassador Hotel, Los Angeles

77th Semiannual Convention of the SMPTE, Apr. 17-22, 1955 (next year), Drake Hotel, Chicago

The International Commission on Illumination is to hold its next international conference in Zürich, Switzerland, June 13-22, 1955 (next year). Offers of papers should be addressed to the Chairman of the Papers Committee (A. A. Brainerd), 1015 Chestnut St., Philadelphia 7. Manuscripts must be in the hands of the Central Bureau between Oct. 1 and Dec. 31, 1954.

78th Semiannual Convention of the SMPTE, Oct. 3-7, 1955 (next year), Lake Placid Club, Essex County, N.Y.