

Education, Industry News

SMPTE Student Member Award Competition for the academic year 1960-61 is now open and all student members of the Society are urged to participate. The purpose of the student competition is to recognize the outstanding paper presented by a student member of SMPTE.

To be eligible for competition a paper may be a thesis which has been accepted by the educational institution at which the student member is registered, or it may be prepared especially for the competition. It must deal with some technical phase of the Society's interests. In accordance with the Society's revised administrative prac-

tices, it is not necessary that a paper be presented at a Student Chapter Meeting before being entered in the competition. Each paper should be submitted in five copies to John L. Forrest, Chairman, SMPTE Journal Award Committee, c/o Ansco, Binghamton, N.Y., so as to reach him not later than July 1, 1961.

Winner of the Student Award will be announced at the Awards Session of the Society's Fall Convention which will be held at Lake Placid, N.Y., in October. The award shall be a suitable certificate and U.S. Government Savings Bond. If the winning paper has more than one author, certificates shall be presented to each, and the monetary award shall be divided equally between (or among) them.

The paper will be published in the *SMPTE Journal*.

SMPTE Engineering Vice-President Deane R. White has been appointed a member-at-large of the National Academy of Sciences-National Research Council. The Society's Board of Governors nominated Dr. White following an invitation from the NRC.

Alex E. Alden has accepted an appointment to the post of Staff Engineer of the Society. He succeeds J. Howard Schumacher, Jr., who resigned in February to accept a position with the Electronics Industries Association (EIA). Mr. Alden, whose home is in Stamford, Conn., resigned from 20th Century-Fox Film Corp., where he was a research engineer, to accept the Society's appointment. His association with 20th Century-Fox dated back 15 years. As a research engineer, he worked closely with Earl Sponable, who is a Past-President and Honorary Member of the Society.

Mr. Alden has recently been engaged in the design and development of special optical and mechanical equipment for use in motion-picture studios and laboratories; he holds a number of patents in that field. His educational background includes work at the University of Southern California and New York University. During World War II he served in the Navy where he held the rank of Chief Petty Officer. His assignments included supervision of film laboratory and camera maintenance in the South Pacific Area.

The **Industry Film Producers Association** will hold its 2d Annual Convention June 2-3 at the Miramar Hotel, Santa Monica, Calif. Additional information including a brochure and program is available from Paul Garrison Organization, 10323 Santa Monica Blvd., Los Angeles 45.

Plans for expansion, including construction of a new studio, and new assignments within the organization have been announced by De Lane Lea Processes Ltd., 12 Moor St., London W. 1, England. Jacques De Lane Lea has been appointed Production Supervisor. This assignment includes responsibility for directorial activities. Overseas expansion plans and equipment research will be under the guidance of Major De Lane Lea. Louis Elman has been appointed Studio Manager of Studio A, located on Moor Street, and the new Studio B on Greek Street. Michael Carter has been appointed Technical Advisor to the Major. Ron Brown will be head of the Sound Department for both studios, and Paul Hansard, now in charge of Foreign Versions will also be in charge of the new 16mm and 8mm sub-standard department.

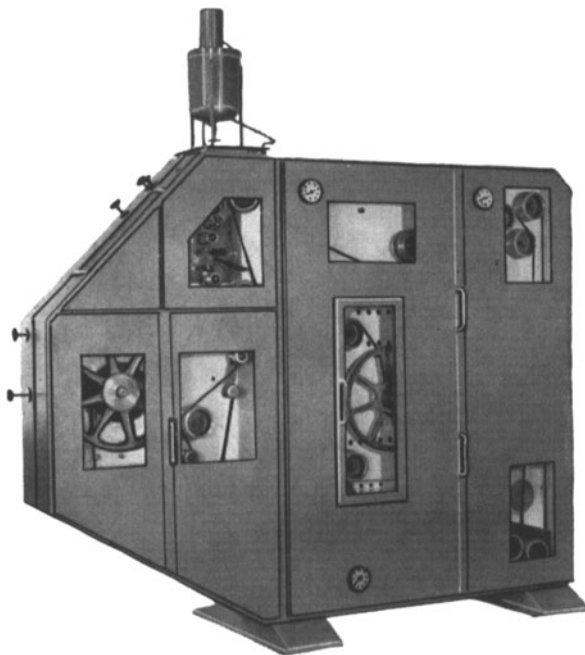
Encyclopaedia Britannica Films, Inc., 1150 Wilmette Ave., Wilmette, Ill., has recently expanded its production of educational films to include other types of programmed learning materials based on the findings of researchers studying the learning process, and constructed to con-

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form to the requirements of the specific course. For example, record and filmstrip programs are arranged for teaching modern languages at the elementary grade level; tapes are used for language laboratories; and programmed materials for mathematics. The films, tapes and other materials are designed to be supplemented by or used as a supplement to textbooks and exercise books.

Pictronics Corporation, 236 E. 46 St., New York, is a new audio-visual engineering and equipment center, established to maintain various services such as consultation, rental and sale of standard equipment, and fully equipped facilities for altering or modifying equipment to fit specific applications. The firm maintains operating displays of up-to-date equipment for audio-visual and motion-picture use. The displays include equipment for closed-circuit TV; television film recording; professional sound recording; overhead projection; motion pictures; slides and filmstrips; language laboratory; and photoinstrumentation. An announcement of the firm's services gave special attention to professional sound recording and industrial motion-picture production. The announcement also stressed availability of consultation services for all users of audio-visual and motion-picture equipment, such as educators, medical photographers, training directors, sales managers, promotional directors, sound recording engineers, and others in industry and business.

Factors to be Considered When Installing Emergency Generators, by Leonard Freeman, appeared in the December 1960 issue of **Public Works** and has been reprinted as a 4-page folder. It is available without charge from Onan Division of Studebaker-Packard Corp., 2515 University Ave. S.E., Minneapolis 14, Minn. Intended as a guide to point out some of the more common problems that may arise in standby installations, the article emphasizes the importance of reliability in an engine-generator set.

Allen B. DuMont has been named Honorary Member of the American Institute of Electrical Engineers, the highest recognition accorded by the AIEE. He is the 48th person to be so honored since the Institute was founded in 1884. He will be presented with a Certificate of Honorary Membership on June 19, during the opening session of the Summer General Meeting of AIEE at Cornell University. Dr. DuMont is the founder of the Allen B. DuMont Laboratories, Inc., now merged with Fairchild Camera and Instrument Corp. A graduate of Rensselaer Polytechnic Institute, he was elected Vice-President of the Board in 1960. Noted for many contributions in the fields of television and electronics, one of his important projects was the industrial development of the cathode-ray tube. Later he manufactured the first commercial oscilloscopes. Among his many awards and honors have been honorary degrees from Rensselaer, Brooklyn Polytechnic Institute,

Fairleigh Dickinson University, New York University and Montclair State College.

Two newly promoted Vice-Presidents of Benson-Lehner Corp., Santa Monica, Calif., are Guy H. Hearon, Photo Instruments Division, and Walter E. Brown, Field Services Engineering. Mr. Hearon has been with the firm since 1956 and Mr. Brown joined the staff in 1954.

Sidney A. Lippin has been appointed Vice-President of L. B. Russell Chemicals, 14-33 31st Ave., Long Island City 6, N.Y. Mr. Lippin has worked in the photographic industry for 25 years and has been with L. B. Russell since 1958 as Plant Manager. The firm manufactures photographic, x-ray and graphic arts chemicals for commercial use.

The transmitter for Canadian Broadcasting Corp.'s new station, CBXT-TV, Edmonton, scheduled to go on the air September 1, 1961, is being built and installed by RCA Victor, Ltd., Canadian subsidiary of the Radio Corp. of America. Described as the most powerful low-band TV transmitter in North America, the new transmitter uses a specially designed super-grain antenna to achieve an effective radiated power of 318 kw. (The signal power of low-band transmitters is limited by international agreement to 100 kw within 250 miles of the Canadian-United States border; Edmonton is outside the specified geographical limits and not affected by the agreement.)

a new SMPTE publication

CONTROL TECHNIQUES IN FILM PROCESSING

Prepared by a Special Subcommittee of the Laboratory Practice Committee of the Society of Motion Picture and Television Engineers

WALTER I. KISNER
Subcommittee Chairman

Foreword by E. H. REICHARD
Chairman, Laboratory Practice Committee

CHAPTERS

- | | |
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| 2. General Principles | 7. Sensitometric Control of a Standardized Process |
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| 5. Instruments for Photographic Control | 10. Economic Considerations in Establishing a Process Control System |

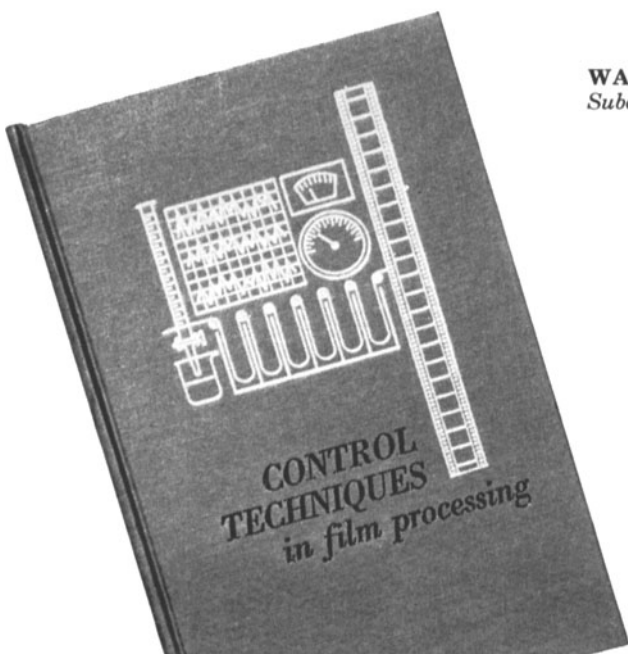
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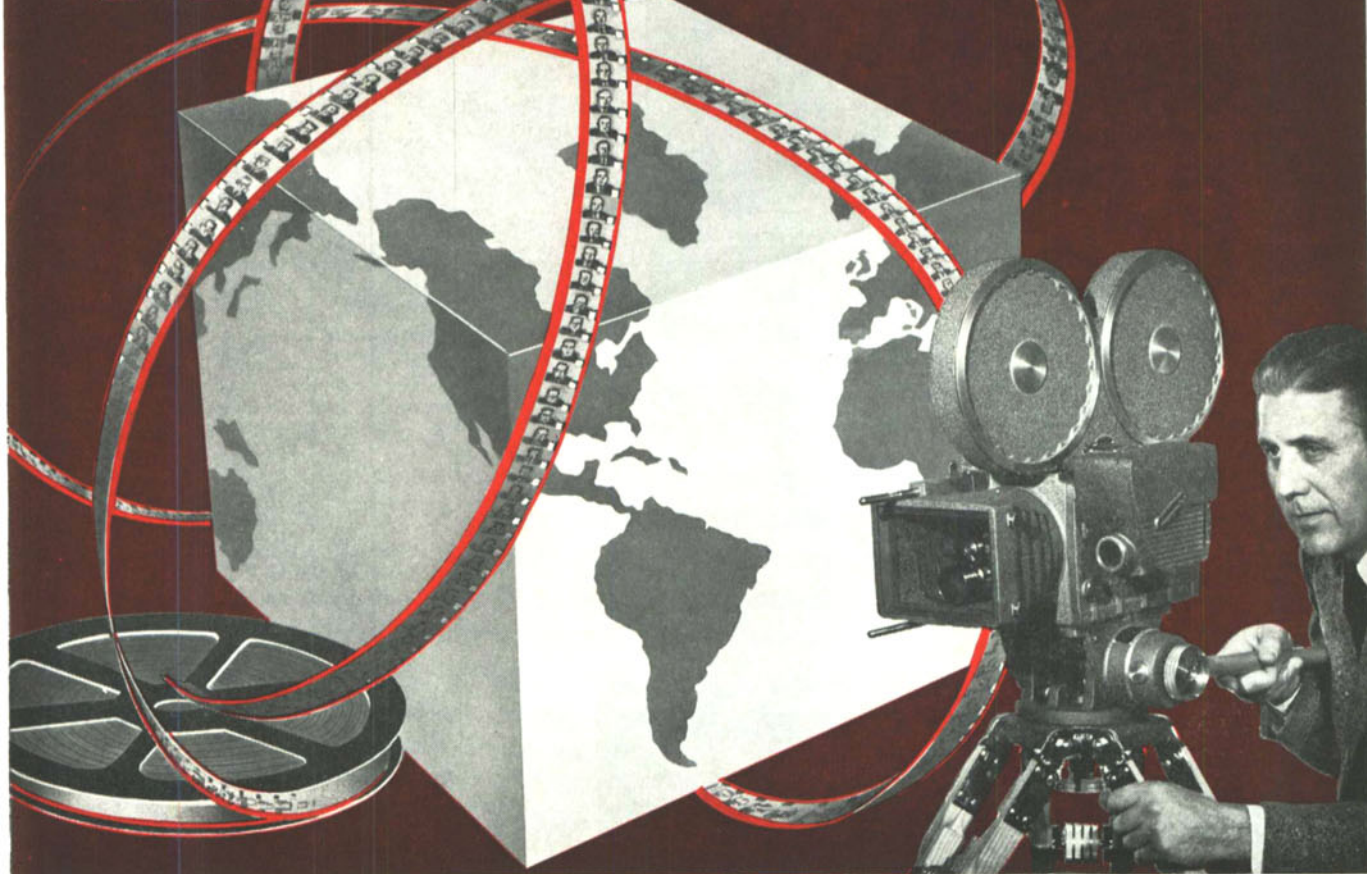
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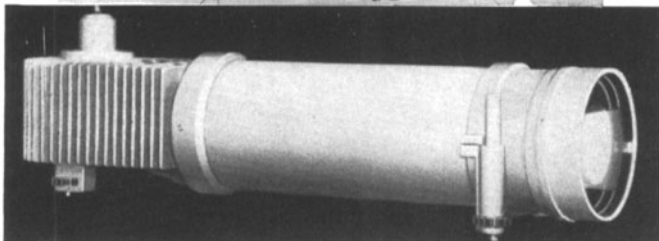


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The powerful transmitter is expected to extend TV reception to outlying farm areas.

Thirteen closed-circuit camera channels and associated equipment installed by Marconi Wireless Telegraph Co., Ltd., are used at the Standard-Triumph Motor Co., Coventry, England, as part of the procedure of inspection of new car bodies. The cars are carried automatically on conveyor belts from the manufacturing area to the inspection area. Monitors in a central control room are used to "track" the cars from one point to another to prevent delays, bottlenecks, and other mishaps.

TNT-Colorvision, a large-screen, closed-circuit color TV system linking 50 major markets within the United States, has been announced by TNT-Theatre Network Television, Inc., 575 Madison Ave., New York 17. The system is based on the Norelco Large Screen Compatible Color Television Projector, manufactured by Philips-of-the-Netherlands and supplied to TNT by North American Philips Co. The projector is said to be capable of projecting color images of 200 sq ft.. The projector utilizes three Schmidt optical barrels containing 5-in. projector tubes with red, green and blue phosphors, respectively. The projector may be operated by remote control. Big-screen color was predicted (or perhaps hinted at) by TNT President, Nathan L. Halpern, in a paper published in the June 1957 issue of the *Journal*, pp. 378, 380, "Closed-Circuit TV Communications Progress." In describing the black-and-white closed-circuit TV as a communications medium, he said, "True big-screen color represents the next great technical and business advance in the closed-circuit medium."

The name of Cinematograph Export Ltd., 715 North Circular Rd., London N.W.2, England, has been restyled to Vinten Overseas Ltd. There has been no change in offices or personnel and cable and telegraph addresses have not been changed. The firm is associated with W. Vinten Ltd. and is responsible for sales of cameras and equipments outside Great Britain.

A color TV program was presented live of the ceremonies marking the opening of the new headquarters of the London Daily Mirror and Sunday Pictorial. The broadcast in color was over closed-circuit television to audiences in the building. The program was recorded on video tape for subsequent showings in black-and-white. Two color cameras and other equipment were supplied by Marconi Wireless Telegraph Co., Ltd. Marconi's also installed a closed-circuit TV system for document viewing which provides a visual link between the new executive headquarters in Holborn and the offices of Fleetway publications, located about a quarter of a mile away.

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Birth of a notion

The year is 1926. Late November. The setting, a broken down hut, disreputable discard of the first war. Outside, the thick fog blanketing the constant murmur of a hustling river, with its ambience of fussing tugs and ferry boat's sirens, is punctuated by the imperative overtones of the ocean-bound liners, demanding right of way.

Inside the hut the shaky walls are framed with benches loaded with a heterogeneous litter of cable, coils, radio parts, tools; a morse-key, a drawing board, a slide rule, a tray with the corpses of a sandwich and an egg; an atmosphere redolent of hunger, desperation, creative madness and defiance—all this a futuristic backcloth to the centre stage—an oversize kitchen table labouring under the weight of a Creed telegraph printer in various stages of dissection, a weary and ancient Bioscope projector head, driven by a motor whose enthusiasm waxes and wanes from a whine to a groan but which, nevertheless, persists in throwing the elusive shadow of gigantic lips mouthing a silent phrase, onto a cardboard screen.

The only actor on the stage, crouched over the mechanical bric-a-brac, spits out a curse with acid intensity. The paper tape of the Creed telegraph has broken again!

Any six-year-old child should solve this problem.

Any adult motion picture executive should realise that with the coming of Doc de Forest's Phonofilm, Fox's aeon tube, Photophone's galvanometer, Western's light valve, Svenson's steel wire—an afterbirth of Poulson's baby—the day of the caption "Came the dawn" is over. The once easy overseas distribution of any film will no longer be a simple matter of translating and replacing the silent caption "My God—you have stopped loving me" with "Mon dieu—tu ne m'aimes plus." No fear. These shadow faces will emit live sounds; words which added together will make articulate sense. It must be possible to make these odd characters talk French, or German, or Russian, or Chinese, or, or, or . . .

The problem stems from the fact that the motion picture artist finds it difficult enough to talk intelligibly even in his own language.

The Creed paper tape is repaired; the film loop starts again, is wound round to the first labial movement, and stopped. On the paper tape, the engineer writes "Be." The film is wound down to the next labial, and again is written on the tape a second "Be." The loop continues to turn, so does the paper tape; so does a loop of steel wire on an old souped-up Poulson-Stille Telegraphone. The spaces on the paper tape are filled in as each frame of picture is projected.

As the ocean-bound "Mauritania" blasts out a final insult, Bioscope, Creed, and Telegraphone, all synchronised with a Heath Robinson coupling, start to turn. The man yells out—"To be or not to be" . . . and it was.

It was the birth of the De Lane Lea Process for Post-synchronisation.

Unfortunately for the archives of motion picture history the Creed telegraph was lost; the Bioscope was sold; the Telegraphone disintegrated; the hut blew down; but the fruits of this humble birth were seen over a closed-circuit television monitor at the De Lane Lea stand during the recent T.V. Mail Awards Exhibition.

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