

High-Speed Photography

Chairman C. H. Elmer showed slides taken by Dr. H. E. Edgerton at the Fourth International Congress on High-Speed Photography which was held last year in Cologne, Germany. The SMPTE will sponsor the Fifth Congress which will be held in Washington, D. C., in 1960. The major

portion of the meeting was devoted to a discussion of the plans for the Congress. L. L. Endelman, chairman of the High-Speed Papers Committee for the 85th Miami Convention, reported that there would be a greater percentage than usual of popular-type papers given which will be of interest to the layman as well as to the expert. G. E.

Matthews noted that the committee was taking more of an interest in overall SMPTE activity, an attitude which he felt would benefit high-speed photography as well as the Society. The Chairman requested the committee's assistance in preparing the annual Progress Report. — J. Howard Schumacher, Staff Engineer.

news and reports

85th Convention—Miami

The theme of the 85th Convention, *Films and Television for International Communication*, will be dramatized by concurrent sessions on Television Facilities and Television Recording held in Miami and Havana and linked by two-way television. This particular plan is, of course, contingent upon the uneasy political situation becoming stabilized by Convention time, but it is only one of the important sessions and events which, even at this early date, are planned to make this occasion one of the most important and rewarding Conventions of recent times.

The Technical Sessions, the schedule for which has been tentatively set up, brings the interests of the Society into the main current of world affairs and indicates the wider areas to which its influence is extending.

SCHEDULE OF TECHNICAL SESSIONS (TENTATIVE)

Monday

Morning: High-Speed and Instrumentation Photography

Afternoon: Theaters and Projection (Concurrently) High-Speed and Instrumentation Photography

Evening: High-Speed and Instrumentation Photography

Tuesday

Morning: Laboratory Practice (Concurrently) High-Speed and Instrumentation Photography

Afternoon: Equipment Demonstrations and Papers

Evening: Cinematography

Wednesday

Morning: Audio-Visual Communications (Concurrently) Standards and Standardization

Afternoon: Committee Meetings

Thursday

Morning: Sound and Multilingual Films (Concurrently) Studio Lighting and Practices

Afternoon: Television Film Techniques

Friday

Morning: Television Facilities

Afternoon: Television Recording (possibly concurrent meetings in Havana and Miami on these topics with two-way television for a portion of the time)

It will be noted that the program is heavily weighted toward High-Speed Photography and Instrumentation, this being especially apt for the Convention locale. A tentative plan is to arrange a trip to Cape Canaveral for Saturday at the end of the Convention week, for a tour of the installations there.

Committee meetings will be held Wednesday afternoon. Thursday and Friday evenings are free, and on Thursday and Friday the afternoon sessions are scheduled to end at 3:30. This variation in the usual schedule is thoughtfully planned so that members and guests can take full advantage of sand and sun, as Florida members report that the late afternoon temperature is generally most conducive to healthful recreation at beach or swimming pool.

The Equipment Demonstration-Papers Session is expected to be a substantial one and will probably be given at least as much rapt attention by the audience as the more theoretical sessions. These will be descriptive demonstrations by Convention Exhibitors.

It is unusual and most gratifying that, at this stage of program planning, so much has been accomplished and so much form and unity are evident in the tentative schedule. The outlook for papers seems to be for a consistently high level of presentation with advance indications for a few of unusual significance.—Garland C. Misener, Program Chairman.

International Equipment Exhibit

Brochures and order forms inviting participation in the Exhibit went out a few days ago. Even before they were mailed, expressions of interest had been received from almost 50 companies, including several in England, France, Germany and Japan, indicating that this will be beyond any doubt the largest and most widely representative show that the Society has ever sponsored.

Probably because of the location and the prevalence of nearby missile bases, the number of manufacturers of photographic instrumentation equipment is particularly striking. Others already expressing their desire to participate include companies producing cameras, motion-picture film, projectors and screens, closed-circuit TV equipment, magnetic/optical sound devices, editing-room equipment, processing machines and laboratory instruments of all

kinds, and TV and motion-picture studio lighting.

Space presently contracted for at the Fontainebleau will accommodate 47 booths only. Since additional space will evidently need to be provided to meet the demand that is already accumulating, all those who plan to be represented at this show should lose no time in getting their order to the Exhibit Committee Chairman, John B. Olsson, so that he will be able to estimate total requirements early enough to arrange with the hotel for the extra space that will be required. John's address is c/o Beattie-Coleman, Inc., 1000 N. Olive St., Anaheim, Calif.

Education, Industry News

The National Defense Education Act of 1958 (Public Law 85-864) makes specific provision for the purchase of audio-visual materials to be used in educational programs in public schools throughout the nation. Title VII of the Act recognizes the new trend in education by providing for research leading to more effective utilization of television, radio, motion pictures and other audio-visual aids for educational purposes.

An analysis of the provisions of the new law which affect the audio-visual field is contained in an informative booklet, *AV-864*, prepared by the National Audio-Visual Assn., Fairfax, Va. Tables are included showing allocations to each State under the \$40 million initial appropriation. Also included are lists of audio-visual materials and equipment which might be purchased for educational purposes under the provisions of the Act. Interpretations of the new legislation (also known as the Hill-Elliott Law) have been checked with officials of the U.S. Office of Education, including those who will administer it. The 13-page booklet is available from the Association without charge.

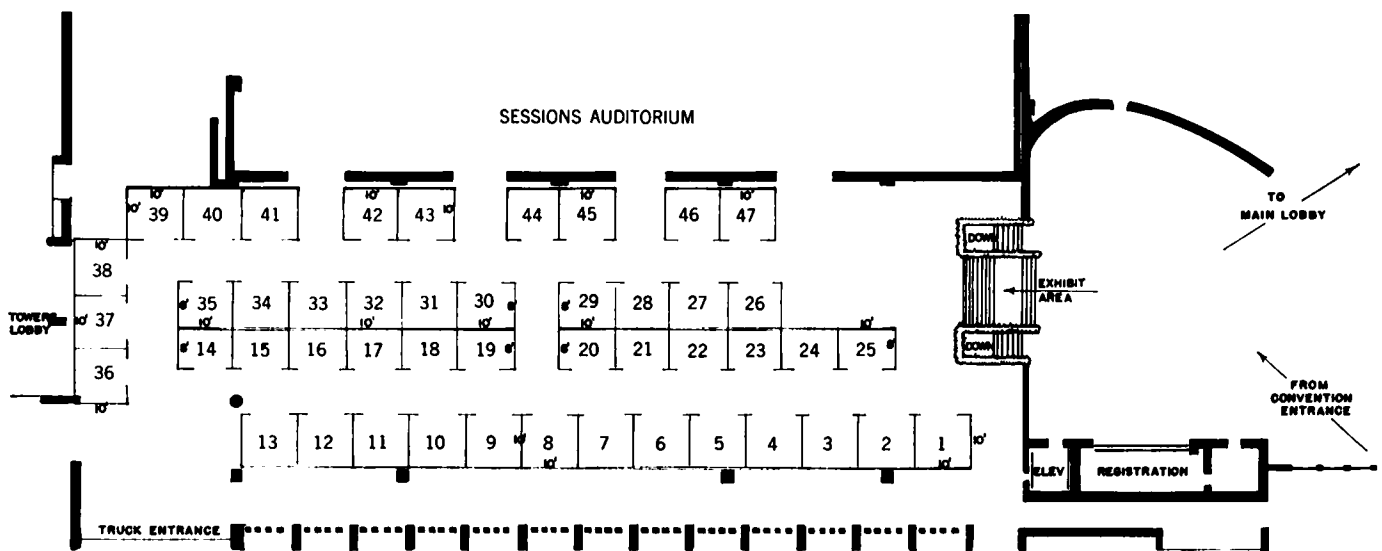
A survey of radio and television courses in 25 universities shows wide variations in the pattern of instruction, suggesting that "the men responsible for instruction in radio and television have come to no final collective decision as to either the purposes and objectives of instruction on the one hand, or the types of courses which should be offered to provide a well-rounded pro-

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- ★ motion-picture processing and lab equipment
- ★ magnetic/optical sound devices
- ★ editing-room equipment
- ★ studio and projection lighting
- ★ cameras
- ★ projection equipment



BOOTH RENTAL RATES: Booths 1-13, 36-47 \$300 Booths 25-35 \$275

RESERVATIONS for booth space are now being made by the Exhibit Committee Chairman:
John B. Olsson, c/o Beattie-Coleman, Inc., 1000 N. Olive St., Anaheim, California

85th SMPTE / EXHIBIT OPEN MAY 4 thru 7
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gram of undergraduate instruction, on the other."

Results of the survey are presented by Harrison B. Summers in an article, "Instruction in Radio and Television in Twenty-Five Selected Universities," in the Fall 1958 *Journal of Broadcasting*, published at the University of Southern California. Dr. Summers, a pioneer in the field, initiated more than 25 years ago the first course in broadcasting offered by Kansas State College. He is presently in charge of radio and television instruction in the Department of Speech at Ohio State University. The information contained in the article was assembled from university bulletins and answers to questionnaires.

The 25 universities were selected as repre-

sentative of schools offering broadcasting courses. Factors influencing the selection included geographical distribution and type of departmental organization. Eleven of the schools surveyed had independent departments for radio-TV instruction and 14 offered certain courses in departments such as Speech, Drama or Journalism.

Four tables show (I) quarter hours of credit available to undergraduates in 11 major categories; (II) specific radio and TV courses offered in each of the 25 universities; (III) courses required of radio-TV majors; and (IV) estimate of percentages of the major students who will be engaged in each of nine types of activity five years after graduation.

Apparently three types of students take

these courses: those who take a few courses as part of preparation for a professional career such as law, politics or public relations; those who do major work but who choose other fields after graduation; and those who make a life work of television or radio.

Among the courses of special interest listed in Table II are Control and Equipment Operation, offered by six universities with the University of Houston and Wayne University in the lead (13.5 and 12 quarter hours of credit, respectively); Operations and Procedures, with Houston Univ. leading with 4.5 quarter hours of credit; Production of Films for TV, with Houston and Indiana Univ. leading; and TV Art, Design and Lighting, with New York Univ. in the lead. A total of 47 courses is offered by the 25 universities. Only such courses as are part of the regular college curriculum and are open to undergraduates were considered.

In an article on "Television Production Training," by Jack Warfield, in the Fall 1958 *Journal of Broadcasting*, published at the University of Southern California, the author takes the position that TV instruction in colleges and universities suffers from the "liberal arts approach" which results in laboratory training being reduced to an "irreducible minimum." He attributes this to efforts of administrators to avoid the stigma of being overly "vocational." Dr. Warfield is Assistant Professor in the Dept. of Telecommunication, Univ. of Southern Calif., and Coordinator of KUSC-TV, the student-operated, closed-circuit station. He suggests in the article that courses in television production should be subject to review: "If the so-called trade schools, the armed services, or industrial plants are able to achieve better results than the liberal arts college or university, it might be conceivable that these specialized agencies have discovered something in instructional techniques that would be worth investigating."

The report on a survey of technical institute education in the United States conducted by the American Society for Engineering Education, Urbana, Ill., will be published early in 1959 and is expected to contain a strong recommendation for increased support for technical institutes offering two-year programs. In 1956, a total of 121 institutions offering technical institute curricula reported 11,091 graduates and an enrollment of 49,968.

Translation into English from the *Czechoslovak Journal of Physics* has been announced by the Consultant Bureau Inc., 227 W. 17 St., New York 11. Beginning with the January 1959 issue all non-English articles will be translated and issued at an annual subscription rate of \$50.00 for 6 issues. Widely regarded as an important publication in the field, the Czechoslovak Journal contains articles in Russian, German, English and French. The translating will be done by physicists who have command of one or more languages other than English. All tabular, diagrammatic and photographic material integral with the text will be included in the translation.



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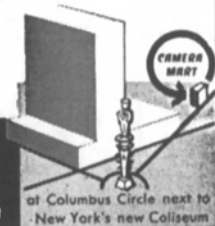
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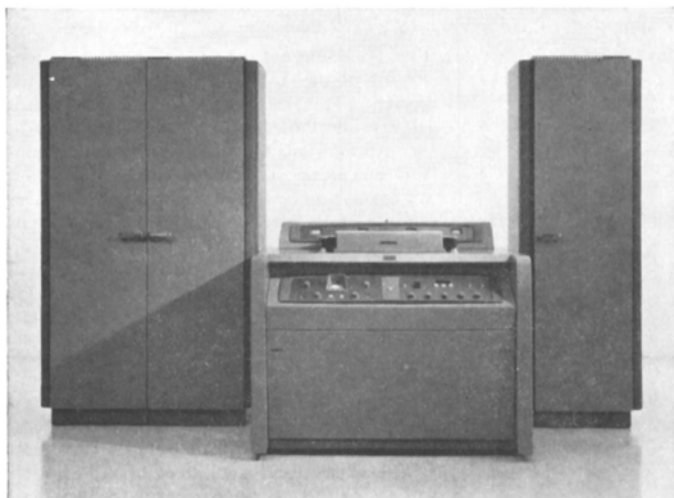
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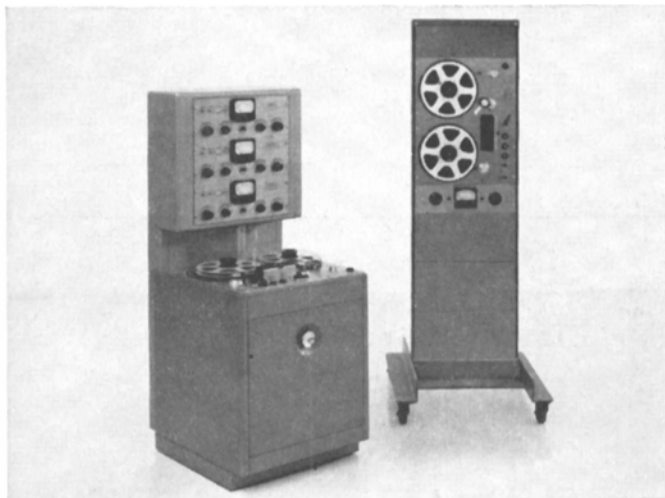
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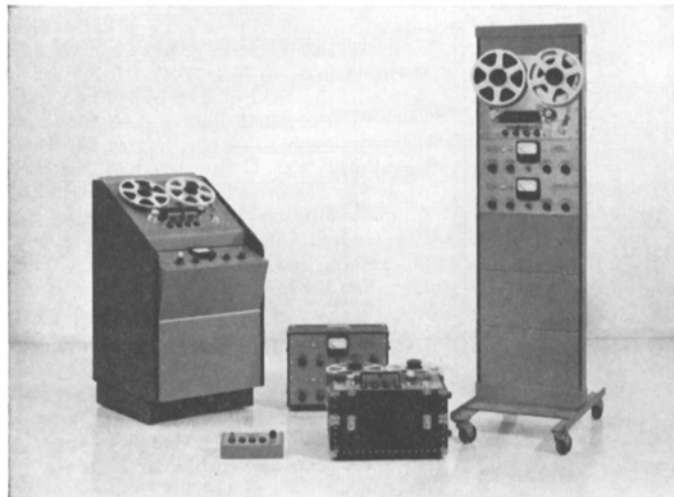
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First commercially available Videotape Recorder. Magnetically records what the TV camera "sees," in either black and white or color. Playbacks look "live."



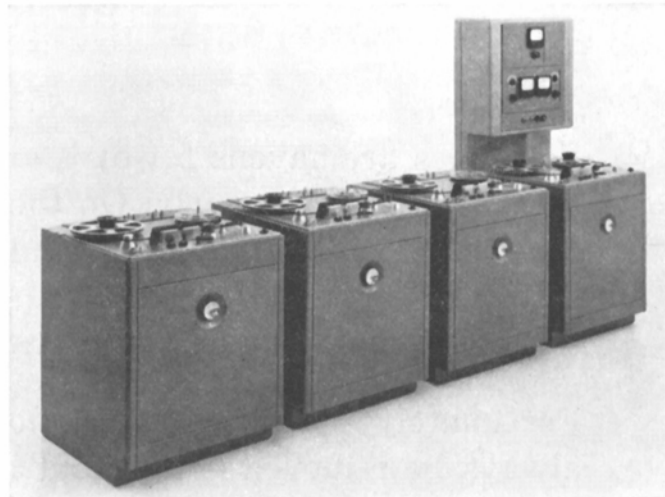
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Eighteen to twenty Fellowships will be awarded to qualified applicants by the Daniel and Florence Guggenheim Foundation, 120 Broadway, New York 5, for advanced professional training in rocket and jet propulsion engineering and in flight structures. The Fellowships are awarded each Spring for study commencing the following Fall. Applicants for Jet Propulsion Fellowships should apply directly to either Princeton University or to California Institute of Technology. Applications for Fellowships in Flight Structures should be made directly to Columbia University.

The 1959 IRE National Convention will be held March 23-26 at the Waldorf-Astoria Hotel and the Coliseum, New York. More than 55,000 engineers and scientists from 40 countries are expected to

attend. A program of approximately 275 papers will be presented in 54 sessions. A symposium on "Future Developments in Space" will be held Tuesday evening, March 24. The Radio Engineering Show held in conjunction with the Convention will occupy all four floors of the Coliseum.

The rank of Fellow in the Institute of Radio Engineers has been bestowed posthumously upon Pierre M. G. Toulon (*Journal*, p. 701, Oct. 1958) in recognition of his contribution to the control of gaseous conducting devices and in the field of color television. The grade of Fellow is the highest membership grade of the IRE, honoring those who have made outstanding contributions to radio engineering or allied fields. A total of 76 leading scientists and engineers were recently made Fellows

of the IRE, effective January 1. SMPTE members so honored include Victor A. Babits, Prof. of Electrical Engineering, Rensselaer Polytechnic Inst., Troy, N. Y., for contributions to engineering education and pioneering in television; J. M. Barstow, Bell Telephone Labs., Murray Hill, N. J., for contributions to the transmission of monochrome and color television; and E. H. Hansen, Consulting Engineer, Balboa Island, Calif., for contributions to the development of motion-picture sound recording and reproduction.

Lee J. Heagerty has resigned as Vice-President of Merchandising for Grant Advertising Inc., of Canada, to accept the post of President of Hudson Productions Ltd., Montreal, international lip-synchronization service for films. The firm has launched an expansion program and plans are underway to open overseas offices and facilities in Havana, Madrid, Lisbon and West Berlin. Under the new program the company will produce lip-synchronous soundtracks for TV films and motion pictures in French, Spanish, Portuguese and German.

John R. Howland has been appointed Sales Manager, Closed-Circuit TV and Product Control Equipment, Government and Industrial Div., Philco Corp., Philadelphia. For the past three years Mr. Howland has been General Sales Manager of the Dage Television Div., Thompson Products Co. During this time he was responsible for developing closed-circuit systems in about 50 schools and colleges and in many hospitals and industrial plants. He also installed a closed-circuit system in the Pennsylvania Railroad Station, New York. He has been active in the field of television since 1935 when he first joined Philco, then known as the Philadelphia Storage Battery Co. During World War II he served in the U.S. Army Signal Corps. He attained the rank of Colonel and served as Executive to the Chief Signal Officer, European Theater of Operations and as Signal Officer, United Kingdom Base.

Lloyd A. D. Colvin, a specialist in the field of development and experimentation with high-speed photography, has joined the staff of Gordon Enterprises, North Hollywood, Calif. He was formerly a Warrant Officer in the Navy. During World War II he was in charge of a project involving a photographic record of the performance of a then newly developed aircraft rocket. He received a special Navy commendation for this work.

Paul N. Robins has been elected President of Permafilm Inc., 723 Seventh Ave., New York 19, to succeed the late Pierre Clavel. Mr. Robins is also President of Library Films Inc. and Television International Co., He was formerly Vice-President of United Factors Corp. and of Manufacturers Trust Co.

Edward Victor Lewis has been appointed Engineering Manager for Beattie-Coleman Inc., 1000 N. Olive, Anaheim, Calif. Until recently he was a project engineer for Houston Fearless Corp. and has had more than 20 years of merchandising experience.

Scratches on Film Irritate Audiences

Scratches are havens for dirt, and refract light improperly. On the screen, they mar the picture and may distract attention. If on the sound track, they produce offensive crackling.

Fortunately, scratches can almost always be removed — without loss of light, density, color quality, sound quality, or sharpness.

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