

most willing cooperation. Teamwork has brought the motion-picture industry — almost over night — to one of the major turning points in its short and stormy history. Not engineering alone, but *teamwork* has erected a guidepost for the future.

"That guidepost directs our attention to some of the very things to be discussed at this 76th Convention of the SMPTE.

"Important as the past months have been, we must recognize that we cannot relax our efforts nor assume that the job is done. Technical achievements were a major factor in revitalizing motion-picture business. Technical advances must lead the way to still greater heights.

"The technical revolution which started with the success of wide-screen pictures is still underway, and further developments now in progress, with a resulting enhancement of theater presentation. Our industry can no longer stand pat for extended periods. It must be dynamic. Its creative minds, both artistic and technical, must continually key themselves to the changing tastes and attitudes of its paying audience.

"There is no surer way to do this than through continuation and strengthening of the teamwork attitude which has marked recent progress. Engineering must continue to meet the challenge in keeping alive this harmonious working relationship. Management will, I am sure, recognize and sponsor the increasing stature of its engineers.

"In television there is equal opportunity for participation in the development and



President Herbert Barnett with Award Winners (l to r) Ray D. Kell, Lorin D. Grignon and Armin J. Hill.

progress of an important communication medium. Born of a different era than the motion-picture engineers, there is evidence that the television engineer has achieved greater success in this direction. There is, however, need for constant diligence on his part to contribute still further to steady growth and prosperity in his highly specialized field.

"There is of course the every increasing need for closer integration of motion pic-

tures and television. This affords an excellent opportunity for engineers working together to assume leadership in promoting the way to this goal.

"This great organization of motion-picture and television engineers can continue to play a vital role through its technical sessions, committee work, standardization and — most important of all — as a key source of information through its *Journal* and other publications."

Following the President's address, the luncheon gathering relaxed for a while with the Society's guest of honor, actor Pat O'Brien, who contributed to the general geniality with a succession of good tales, excellently told.

President Barnett announced the results of the election of officers (the new slate was reported in the November *Journal*, p. 198), and before going on to present the Society's annual awards, announced that two special awards were being given this year.

Awards

The first was to *Arthur C. Downes*, who for nearly fourteen years has been Chairman of the Society's Board of Editors. The Board of Governors, meeting a few days before, had unanimously made this special award in formal and grateful recognition of the long years of patient and painstaking effort Mr. Downes has devoted to maintaining the high quality of the articles published in the *Journal*. Mr. Downes has been ill, and the Society sent him every good wish for a quick recovery.

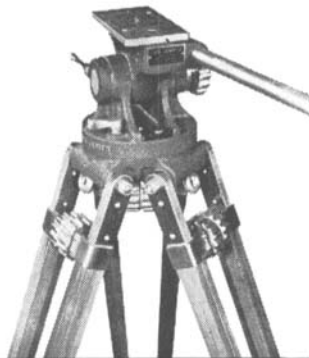
A special achievement award was also presented in absentia jointly to *Earl I. Sponable* and *Herbert E. Bragg*, Twentieth Century-Fox Film Corp., in recognition of their contributions to the development of anamorphic photography and projection which, as *CinemaScope*, "exerted an influence of major importance on the motion-picture industry." A telegram of acceptance from the recipients ran: "We are happy to receive your notice of the SMPTE special award for Cinema-

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Scope development. The rapid success of this undertaking and its wide acceptance by the motion-picture industry is the result of the fine cooperation and assistance given by all our friends, particularly in the Society, and by other motion-picture engineers everywhere in the world. We are grateful to all and especially to Spyros Skouras and the other executives of Twentieth Century-Fox who were willing to stake the future of the company on engineering know-how and back it to the limit. The future of motion pictures now looks very bright and with the improvements on the horizon the health and prosperity of this greatest of all media of mass entertainment seems assured. We are sorry to be unable to be present but want to extend our best wishes for a successful convention and regard to all."

The SMPTE Journal Award, for the most outstanding technical paper originally published in the Society's *Journal* during 1953, was presented to:

Armin J. Hill for "A Mathematical and Experimental Foundation for Stereoscopic Photography."

Honorable Mention for outstanding papers was given to:

A. V. Loughren for "Recommendations of the National Television System Committee for a Color Television Signal,"

F. Dana Miller for "Rapid Drying of Normally Processed Black-and-White Motion-Picture Film,"

Otto H. Schade for "Image Gradation, Graininess and Sharpness in Television and Motion-Picture Systems — Part III: The Grain Structure of Television Images,"

Edward Schmidt and *Ernest W. Franck* for "Manufacture of Magnetic Recording Materials" and

William B. Snow for "Basic Principles of Stereophonic Sound."

A special mention was given to:

John A. Norling for "The Stereoscopic Art — A Reprint."

Ray D. Kell, research scientist at the Radio Corp. of America Laboratories Div., was awarded the David Sarnoff Gold Medal Award for outstanding achievements in the development of television and important contributions to color television. The citation recorded that Mr. Kell received the award:

"... for his many pioneering achievements in television beginning with his pioneering work in mechanical scanners in 1926, through epoch-making developments in all-electronic black-and-white television and most recently in color television, a career covering more than a quarter century.

"For his prominent role in adapting the compatible all-electronic color television signal to the prescribed limitations of a 6-megacycle channel.

"For the impetus given by him to the development of numerous television system apparatus, including the first iconoscope tube camera and cameras for both monochrome and color utilizing the image orthicon.

"For his untiring work as a member of Main Panel 13 of the National Television Systems Committee and as chairman of two subcommittees, labors which contributed notably to the formulation of the

NTSC color television signal specifications accepted by the industry and adopted by the Federal Communications Commission in December 1953."

Lorin D. Grignon, Twentieth Century-Fox Film Corp., was presented the Samuel L. Warner Memorial Award for his engineering work in stereophonic sound now widely used in wide-screen film presentations. This citation ran:

"As though in preparation for CinemaScope, the Sound Department at Twentieth Century-Fox undertook the development of systems and techniques for application of stereophonic sound to motion pictures ten years ago, in 1944, 1945 and 1946. This development work was under the

supervision of Lorin Grignon, whose background in the communications field and years of experience in the motion-picture sound recording activity placed him in an excellent position to carry on this work. It was therefore natural that when the cyclone of CinemaScope struck the industry he should be assigned to play an important role in the commercial development of the medium. His was the responsibility for the engineering and coordination of many phases of CinemaScope — particularly the application of stereophonic sound, standardization of the release film, application of magnetic sound recording for release prints, supervision of magnetic striping and printing equipment, and preparation of engineering

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CHARLES F. LO BALBO, *Motion Picture Technical Advisor*

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data for release throughout the world. The Samuel L. Warner Memorial Award is presented to Mr. Lorin D. Grignon, recognizing that the outstanding success of stereophonic sound with CinemaScope pictures, both in this country and abroad, is in a large measure due to the engineering skill, good judgment and hard work which he contributed in such generous measure to this activity."

The Banquet

Quite apart from the record attendance, this event started off on a successful note with the cocktail party held outdoors beside the Ambassador Pool. There the guests enjoyed an Aquacade display which was added to the program through the generosity of General Film Laboratories. At the dinner and dance that followed, Miss Connie Haines was the star performer. Here most helpful contributions

were made by Byron (Byron, Inc.) Roudabush, who provided wine for the entire company, and Sid Solow (Consolidated Film Industries), who took care of two hours of overtime on the part of the orchestra.

New Fellows

The one official act of the evening was the conferring of Fellowships on sixteen of the Society's members. The new Fellows are:

Philip G. Caldwell	Everett Miller
John R. Clark, Jr.	Harry F. Olson
Albert A. Duryea	Richard H. Ranger
Ralph H. Heacock	Reid H. Ray
Armin J. Hill	Hazard E. Reeves
Lester Isaac	Ralph A. Teare
U. B. Iwerks	R. Edward Warn
George Lewin	James L. Wassell

Equipment Exhibit

Announcement that an equipment exhibit would be run at this convention attracted such interest that by the time the convention actually opened all available space had been stretched to the limit and no less than 28 exhibitors had been accommodated. Throughout the week this concentration of the latest in equipment was a focus of attention and activity, drawing quite a few local visitors in addition to convention registrants. Response in general was so good that serious consideration is being given to making such exhibits a permanent convention feature. The exhibitors were:

Arcturus Engineering Co.
 Army-Navy
 Bell & Howell Co.
 Traid Corp.
 Berndt-Bach, Inc.
 Cameraflex Corp.
 Encyclopedia Britannica, Inc.
 Frank Herrnfeld Engineering Corp.
 General Precision Laboratory Inc.
 Gordon Enterprises
 Hollywood Film Co.
 Houston Fearless Corp.
 Kling Photo Corp.
 Koessler Sales Co.
 Metropolitan Electric Mfg. Co.
 Mole-Richardson Co.
 Moviola Mfg. Co.
 Otto K. Olesen Co.
 Photo Research Corp.
 Photo Sound Products Mfg. Co.
 Prestoseal Mfg. Co.
 Producers Sales Corp.
 Radiant Mfg. Co.
 Radio Corp. of America
 Resultant Engineering
 S.O.S. Cinema Supply Corp.
 Westrex Corp.
 Wollensak Optical Co.

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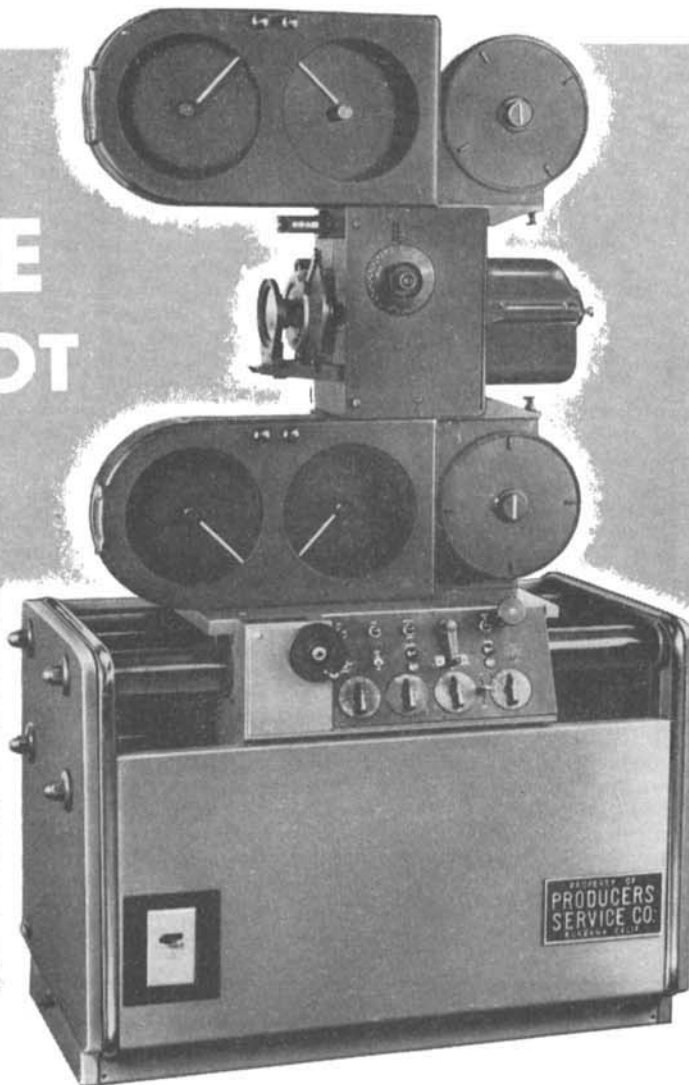
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Arrangements

The success of this convention is a matter for which all those listed below deserve the Society's warmest congratulations and thanks. A tremendous amount of work went into the careful planning and execution of the multifarious details, from the putting together of the program itself down to the placing of tables and chairs for the registration and information desks. The thoroughness of the job done by the local members showed up in the smooth and successful operation of the whole.

Program — Ralph E. Lovell
 Papers — W. H. Rivers, J. E. Aiken, S. W. Athey, C. E. Heppberger, G. G. Graham, J. H. Waddell
 High-Speed Photography — Carlos H. Elmer
 Exhibits — Thomas J. Gibbons, Jr., Allan C. Curtis
 Local Arrangements — Philip G. Caldwell
 Registration and Information — Robert P. Young, Arthur Johnson, Herman Herles, Donald Prideaux, Peter Vlahos, Howard Bell, William Farley
 Hotel Reservations and Transportation — Betty Hartlane, Vaughn C. Shaner
 Hospitality — Jack Duvall
 Public Address and Recording — Edwin W. Templin, John Stark, James Pettus, Harold Arthur, Frank Pontius

New ACME MATTE SHOT Printer



Photographing and printing composite and stationary matte shots

The Printer is readily converted to project an image of the master positive on a matte board. After painting the matte and threading duplicating negative raw stock in contact with the master, the printer is then used as a camera which selectively prints that portion of the master positive print that is desired. By substituting a painted scene at the matte board, and removing the master positive, a composite duplicating negative is made.

MOVEMENT: A stationary register pin Acme film movement, equipped with a removable back plate, readily converts the movement from a projector to a camera, or printer, type film movement. Because of the stationary register pin construction, positive film registration is attained regardless of the direction of travel.

SHUTTER: An automatic dissolve produces fades of six different lengths. Either a sine or a

linear dissolving action may be obtained by pre-setting the dissolve dial.

CAPACITY: Two 1000-ft. rolls of processed stock and one 1000-ft. roll of raw stock. A film matte, the master positive and the raw stock will operate simultaneously in the machine.

POWER: Ten separate speeds are provided, with both continuous and stop motion action at all speeds.

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Motion Pictures — Raymond Grant
Membership — John G. Frayne
Publicity — Harold Desfor, Martin Waldman

Ladies Program — Mrs. Philip G. Caldwell, Mrs. John G. Frayne
Luncheon — Carleton G. Hunt
Banquet — Sidney Solow

The Ladies' Program

The large group of ladies attending the Convention had a full program of sight-seeing and entertainment ably organized by the committee headed by Mrs. John G. Frayne and Mrs. Philip G. Caldwell. The richness and success of the program were greatly enhanced by the kindness of the Altec-Lansing, Bell & Howell and Mole-Richardson companies, all of whom made generous financial contributions.—D.C.

Board Meeting

The Board of Governors' fourth meeting for the year 1954 was held at the Ambassador Hotel, Los Angeles, on October 16, on the eve of the Fall Convention. The budget, which had been of concern throughout the year, was reported on by Financial Vice-President Barton Kreuzer who said that expenses had been kept in line, and that economies necessitated by the 1954 mid-year budget reductions had

been almost entirely achieved. A new budget for 1955, proposed by the headquarters staff, and recommended by the Executive Committee, was adopted and represents a conservative plan for next year.

Test Films. Growing importance of wide-screen pictures presents a challenge to the Society's test film program.

Membership. A number of new members had criticized the several weeks' time that admission to membership normally requires, being concerned no doubt about the delay in receiving the *Journal*. It was therefore decided that the *Journal* be sent on receipt of the application (and payment) and that only applicants' membership cards be held until the Admissions Committee has approved the applications.

Publication. The scale of operations for 1955 promises a reduced deficit and a bigger and better *Journal*, due to tight expense control and added income from advertising.

Conventions. It appeared certain that Convention operations for 1954 would be at or above budget. Since the Society has no formal policy on whether or not to hold educational or engineering exhibits at its national meetings, that decision is made for each time. Facilities at the Drake Hotel in Chicago are to be surveyed to determine whether an exhibit could be arranged for the spring 1955 Convention.

Editorial. Editorial Vice-President Norwood L. Simmons reported that Arthur C. Downes, for many years Chairman of the Board of Editors of the Society, was

ill and that his work is temporarily being carried out by the Editor, with special help by members of the Board of Editors. In view of Mr. Downes' exceptional services to the Society through continued and effective control of the selection of editorial material for publication in the *Journal* it was resolved that he be presented with a special Commendation Award. This was later presented, in absentia, by President Barnett at the Get-Together Luncheon that opened the 76th Convention.

Engineering. Engineering Vice-President Axel G. Jensen presented a report showing that engineering activities of the Society were continuing at a high and efficient rate, as indicated in part by the number of standards regularly submitted to the ASA for approval.

Election and Awards. Secretary Edward S. Seelye announced the results of the balloting for the Society's Officers and Governors and for the annual Awards, including the Special CinemaScope Award. Details may be found in the November *Journal*, p. 198, and in the 76th Convention Report in the current *Journal*.

Since Barton Kreuzer had been elected to the office of Executive Vice-President midway through a two-year term as Financial Vice-President a one-year vacancy for the latter office was created which, under By-law III, Sec. 5, "... shall be filled by the Board of Governors until the Annual Election of the Society." Subsequent to the Board Meeting President-Elect John G. Frayne secured agreement from John W. Servies to accept appointment to fill the vacancy for the calendar year 1955. This action was endorsed by the Board.

Reports from the Sections were presented and adopted, and a proposal to establish a new subsection in Rochester, N.Y., was approved.

The next meeting of the Board will be on January 28, 1955, in New York.—B.N.

Papers Presented at the Los Angeles Convention, October 18-22

MONDAY AFTERNOON—Color-Television

S. W. Athey, General Precision Laboratory Inc., Pleasantville, N.Y., "Colorimetric Aspects of Television Color Film Pickup."

George R. Sutherland, U.S. Naval Ordnance Test Station, China Lake, Calif., "Multi-Channel Television Relay Station."

John W. Million, Jr., and Robert K. Hunsicker, Wickes Engineering and Construction Co., Camden, N.J., "Test Instruments for Color Television Broadcasting."

MONDAY EVENING—CBS Television City

G. Jones, Conrac Inc., Glendale, Calif., "Color Television Monitor."

G. R. Tingley, D. J. Pounds and J. H. Haines, Allen B. Du Mont Laboratories, Research Div., Passaic, N.J., "Operational Techniques for Color-Film Scanners."

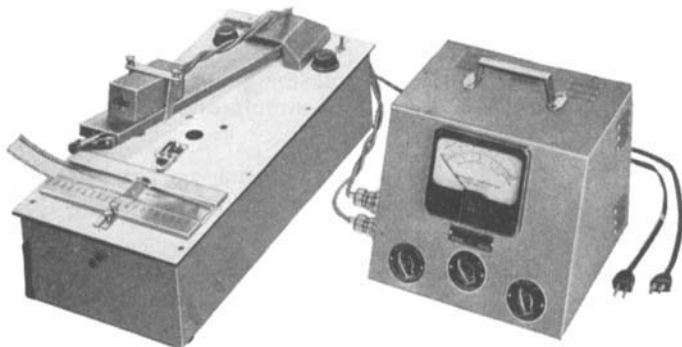
Richard S. O'Brien, CBS Television, New York, "Color Television Facilities in CBS TV City."

TUESDAY MORNING—Educational and Military Television

James J. Rue, Telecommunications Dept., University of Southern California, Los Angeles, "The Present and Future of Educational Television."

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