

73d Semiannual Convention

A meeting of the Papers Committee at Washington on October 9, during the 72d Convention, laid general plans for the Spring Convention to be held at the Los Angeles Statler, April 27 - May 1. Several aims were espoused and some sessions planned. Inasmuch as the National Association of Radio and Television Broadcasters will meet at Los Angeles during the early part of that week, the SMPTE television sessions will be held on Thursday and Friday, contrary to the arrangement of recent convention programs. The arrangement of all the ses-

sions will be shown in the Advance Notice of the Convention scheduled to be mailed to members on March 2d.

Deadlines established by Papers Committee Chairman Bill Rivers and 73d Program Chairman Ralph Lovell are: Authors' Forms and Abstracts due on February 16; manuscripts due on March 23.

Blank forms can now be obtained from anyone on the Papers Committee, but it is preferable that you work with the one nearest you. The complete roster of the Committee will be published in the next *Journal*.

The Chairman and Vice-Chairmen are:

Chairman: W. H. Rivers, Eastman Kodak Co., 342 Madison Ave., New York 17.

73d Convention Program Chairman: Ralph E. Lovell, 2743 Veteran Ave., West Los Angeles 64, Calif.

For Washington: J. E. Aiken, 116 N. Galveston St., Arlington 3, Va.

For Chicago: Geo. W. Colburn, 164 N. Wacker Dr., Chicago 6, Ill.

For High-Speed Photography: Carlos H. Elmer, 410B Forrestal St., China Lake, Calif.

For Canada: G. G. Graham, National Film Board of Canada, John St., Ottawa, Canada.

For New York: E. Arthur Hungerford, Jr., Campfire Rd., Chappaqua, N.Y.

Awards

The Society serves its field in one way, among others, by an attempt to recognize formally important contributions by individuals. Several awards are conferred annually upon those whose work has been considered significant in their particular fields of interest. Those who were selected during 1952 were presented awards during the Fall Convention of the Society in Washington, D.C. Their names and awards are listed here.

As has been done in past years there were published earlier this year, in April, the recommendations, citations and former recipients of the Progress Medal Award, the Samuel L. Warner Memorial Award, the Journal Award and the David Sarnoff Award.

New Fellows of the Society

President Mole formally inducted the following as new Fellows of the Society:

John Arnold, Metro-Goldwyn-Mayer Studios, Culver City, Calif.

E. E. Blake, Council Kinematograph Manufacturers Association of Great Britain and Kodak Ltd., London

O. L. Dupy, Metro-Goldwyn-Mayer Studios, Culver City, Calif.

Karl Freund, Photo Research Corp., Burbank, Calif.

Edgar Gretener, Dr. Edgar Gretener A.G., Zurich, Switzerland

W. T. Hanson, Jr., Eastman Kodak Co., Rochester, N.Y.

C. E. Heppberger, National Carbon Co., Chicago



President Peter Mole is at the left. Award recipients next in order shown are: Axel G. Jensen, the David Sarnoff Gold Medal Award; Wadsworth Pohl who accepted the Samuel L. Warner Memorial Award on behalf of Herbert T. Kalmus; John I. Crabtree, the Progress Medal; and D. L. MacAdam, the Journal Award.

Henry J. Hood, Eastman Kodak Co., Rochester, N.Y.
A. G. Jensen, Bell Telephone Laboratories, Murray Hill, N.J.
Klaus Landsberg, KTLA Television Productions, Hollywood, Calif.
E. H. Reichard, Consolidated Film Industries, Hollywood, Calif.
A. C. Robertson, Eastman Kodak Co., Rochester, N.Y.
Ben Schlanger, Consultant, New York
John G. Stott, Du-Art Film Laboratories, New York
E. W. Templin, Westrex Corp., Hollywood, Calif.

Journal Awards

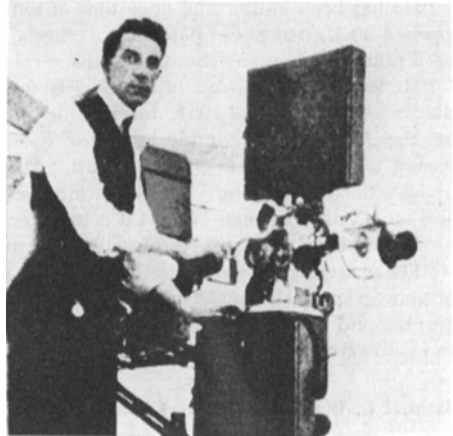
The Journal Award went to D. L. MacAdam of the Research Laboratory, Eastman Kodak Co., Rochester, N.Y., for his "Quality of Color Reproduction" which was published in May 1951.

Franklin C. Williams of the Research Laboratory, Eastman Kodak Co., Rochester, N.Y., received honorable mention for his "Current Problems in the Sensitometry of Color Materials and Processes" which appeared in the *Journal* for January 1951.

Honorable mention was conferred on Otto H. Schade, Tube Dept., Radio Corporation of America, Harrison, N.J., for "Image Gradation, Graininess and Sharpness in Television and Motion Picture Systems — Part I: Image Structure and Transfer Characteristics" which appeared in the February 1951 *Journal*.



William C. Kunzmann who has been Convention Vice-President since time memorial of this Society was presented a gold card of Life Membership "in grateful recognition of 36 years of enthusiastic participation and inspired leadership in the work of the Society." Shown in the usual order are Editorial Vice-President John Frayne, Bill Kunzmann and President Peter Mole. Next are pictures salvaged from old lantern slides depicting Bill and his activities at a somewhat earlier stage of his career.



New Society Formed

At a meeting at the Hotel Astor, New York, October 2nd, 3rd and 4th, the Society of Motion Picture Engineers was formed. The membership includes men who are closely connected with the development of the engineering and of motion picture work and the society has for its main object the standardization of the industry. W. C. Kunzman of the Sales Department is a member of the Committee on Illumination Development. At the organization meeting C. Francis Jenkins, of Washington, D. C., was elected president. The next meeting of the society will be held at Atlantic City some time in March, at which a number of papers will be presented.

Progress Medal

John I. Crabtree, head of the photographic chemistry department of Kodak Research Laboratories, received the Progress Medal "for his outstanding contribution in the field of photographic chemistry, motion picture processing and processing equipment." The formal presentation was made by D. B. Joy, Chairman of the Progress Medal Award Committee, as follows:

"He was born and educated in England and started his professional work as a Research Chemist with the Eastman Kodak Company in Rochester in 1913. He became a naturalized United States citizen in 1924. He founded the photographic chemistry department of Kodak Research Laboratories in 1913 and is still its head. From 1916 to 1938 he also was in charge of the motion picture film developing department. He has conducted and supervised research in many fields of photography including the chemistry of development and fixation, methods of processing photographic materials, the use of desensitizers, stains and markings on photographic materials, preparation and use of flash powders, tinting and toning of lantern slides and motion picture films, the corrosive effect of photographic solutions on photographic apparatus, tropical processing, silver recovery, compounding of package chemicals, storage of photographic records, and effective methods of washing photographic materials. He has devoted much of his attention to the technique of motion picture processing.

"A particularly important piece of research concerned the chemistry of the stop bath and especially of the fixing bath. Recent very valuable work has been done in his department on agents for "sequestering" calcium and iron in developers, on replenishment systems for developers, on rapid processing at high temperatures, on the preparation of concentrated liquid developers, and on the design of special processing equipment.

"He has been author and co-author of some 150 papers and two books and has been granted 30 United States patents, covering a wide variety of subjects. His articles have been published in many countries and several have been reprinted as handbooks.

"He has been a member of this Society for more than 25 years. He was President of the Society in 1930 and 1931, during which time he was largely instrumental in establishing the *Journal* on a monthly basis, the system of Sustaining Memberships, the Journal Award and this Progress Medal Award. His vivid discussions of papers have enlivened many a Society Meeting. He was a member of the Board of Governors for many years and served as Chairman of several committees and of the Board of Editors.

"He has been an active member of many other scientific societies.

"For nearly forty years, John I. Crabtree has worked diligently at his chosen profession of photographic chemistry. Much of the advancement of knowledge of general photographic and motion picture processing reactions and techniques can be traced directly to his researches and that of colleagues under his supervision."

Samuel L. Warner Memorial Award

Herbert T. Kalmus, President and General Manager of Technicolor Motion Picture Corp., was awarded the Samuel L. Warner Memorial Award. President Mole first spoke of the awarding as follows:

"As one who comes from Hollywood, I am taking the liberty of saying a few words of my own on this award. In the early twenties, an obscure scientist was struggling in Boston to perfect a color formula for motion picture film which was destined one day to revolutionize the motion picture industry. This scientist, against innumerable odds and financial setbacks, was persistent, however, and finally conquered these obstacles to give to the world of motion pictures natural color as we know it today — Technicolor.

"For bringing color to motion pictures, Herbert Kalmus must be credited as one of the savers of the motion picture boxoffice. Color came at a time when the public was tiring

of black-and-white films and both producers and exhibitors needed something new to attract patrons to the theater. As one who richly deserves this high honor from our Society, Dr. Herbert T. Kalmus now receives the Samuel L. Warner Memorial Award, accepted on his behalf by Mr. Wadsworth Pohl, his associate."

The citation prepared by the Committee, of which Glenn L. Dimmick is Chairman, was as follows:

"No man, over the past 20 years, has so consistently contributed to the technical quality of motion pictures as Dr. Herbert T. Kalmus. Almost without exception, the biggest grossers since *Gone With the Wind* have been pictures made in 'Color by Technicolor.' Indeed, good color of any type, in the eyes of the public, is called Technicolor. It is today the standard by which other color processes are judged.

Dr. Kalmus, over the years, has maintained the highest practicable color standards and has always recognized the value of research and engineering toward this end. While maintaining these standards of quality, the cost of not only release prints but set lighting costs have been reduced step by step as faster-type emulsions were made available to picture producers. During the last war, Technicolor's ability to 'blow up' the 16mm Kodachrome footage of the Armed Forces to 35mm film for showing to the public in theaters was a great aid to morale and public information in those critical times. If it had not been for the war and its retarding effect on civilian development, Technicolor's single-film Monopack would have been available sooner to supplant the three-negative process. Dr. Kalmus hoped as early as 1940 to bring it into wide use and its availability will undoubtedly be greater in the immediate future.

"Technicolor's perfection in the last few years of the inhibition process of making top quality 16mm color prints in quantity at reasonable cost is a distinct contribution to the 16mm field. The quality of both picture and sound of these prints and the development of the techniques of making the separate sound negatives for mass production by the 35mm32mm method contributes a great deal to the excellence of the 16mm sound.

"Dr. Kalmus, through his personal and active direction of his company, has been instrumental in creating the boxoffice truism that 'good color makes a good picture a still better picture.'

"For further information on Dr. Kalmus, I refer to the article in the Saturday Evening Post of October 22, 1949, 'Mr. Technicolor,' by Frank J. Taylor. Dr. Kalmus was given the Society's Progress Medal for 1938 and the citation was presented on pages 556 to 560 of the December 1938 *Journal*."

David Sarnoff Gold Medal Award

Axel G. Jensen was presented the David Sarnoff Gold Medal Award "for his manifold contributions to the promulgating of monochrome and color television engineering standards, and for his work on the improvement of the quality of television pictures obtained from motion picture film." Pierre Mertz was Chairman of the Committee which made this citation:

"Axel G. Jensen was born and educated in Copenhagen, Denmark, until coming to Columbia University in 1921 for graduate work.

"His professional career began in 1922 when he joined what is now the Research Department of the Bell Telephone Laboratories. Since 1938 he has been engaged in research work in television equipment and systems. In particular he has been responsible for the development of a high-quality testing link which, employing motion picture film, can be used as a research tool for the evaluation of methods and systems for television transmission, and of the influence of component elements on the transmission quality. As a part of this he has been in charge of work on a succession of test film scanners, culminating in a development which was presented before the Society last year. He has

also been responsible for considerable miscellaneous research work on electrical, optical and visual problems connected with television systems.

"Mr. Jensen has taken part in many industry committees, particularly many committees promulgating engineering standards for television as a result of their deliberations. He took an active part in the committee work of the first NTSC in 1941, from which came the engineering standards in monochrome television which are still largely in use today. He continued to take an active part in the television activities of RTPB from 1944 to 1948, and of panels of JTAC. In the second NTSC, established in 1950, he has been a member of several panels and is now vice-chairman of Panel 12 on Color System Analysis. He has been chairman of the IRE-RTMA-SMPTE Television Coordinating Committee in 1950-51; vice-chairman of the IRE Standards Committee in 1949-50, and chairman in 1951; chairman of the IRE Television Committee in 1948; and chairman of the IRE Television Systems Committee in 1949-51. He was elected a Fellow of the IRE in 1942, and Governor of the SMPTE in 1952. He has just finished an extensive lecture tour, in the United States and Europe, describing the fundamentals of color television transmission and of the various systems which can be used to achieve it. In the course of it he was awarded the G. A. Hagemann Gold Medal by the Royal Technical University of Denmark.

"In the Bell Telephone Laboratories Mr. Jensen has recently been promoted from Engineer in Charge of Television Research, to Director of Television Research. He holds ten issued patents and has published a number of papers, the most recent being, in coauthorship with R. E. Graham and C. F. Matke, on a "Continuous Motion Picture Projector for Use in Television Film Scanning," in the January 1952 *Journal*."

Board of Governors Meeting

Meeting on October 5 at Washington, the Board gave a considerable portion of its attention to information from the Executive Committee, reported by Executive Vice-President Barnett and Executive Secretary Nemeč.

The publication of proposed amendments to the Bylaws in the August *Journal* was noted. (These were voted approved at the Society's Business Meeting on October 6.) Plans for continued study of test film costs were briefly discussed and the Society's success in restoring the mailing of the *Journal* to the proper (lowest cost) category was noted.

A lively, detailed and constructive discussion about membership service quality, costs and promotion held the Board's attention for nearly two hours, with every officer and governor contributing reports of the needs of television, film producer, high-speed photography and other interests. Specific suggestions in the notes for follow-up by the staff were tabbed as from Messrs. Aiken, D'Arcy,

Hepberger, Mole, Neu, Shaner, Sponable, Stifle and Townsley. (Material helpful to television engineers has since been planned. The complete roster of member and nonmember high-speed photography registrants has been mimeographed and circulated to the High-Speed Photography Committee for their help in obtaining new members. The brochure describing the Society for prospective members is now revised.) A six-page membership cost study was read by Executive Secretary Nemeč on behalf of the Executive Committee. This study was accepted as the record of the past three years and as a basis for a continuing record and guidance for the Board.

Reports by the respective vice-presidents were welcomed and approved as in good order by the Board.

A change in the Administrative Practices was approved as presented as follows in the report by Editorial Vice-President Frayne: