

Awards

In accordance with the provisions of the Administrative Practices of the Society and the regulations for granting the Journal Award, the Progress Medal Award, the Samuel L. Warner Memorial

Award and the David Sarnoff Gold Medal Award, a list of names of previous recipients and the reasons for the awards are published annually in the *Journal* as follows:

Journal Award

The Journal Award Committee shall consist of five Fellows or Active members of the Society, appointed by the President and confirmed by the Board of Governors. The Chairman of the Committee shall be designated by the President.

At the fall convention of the Society a Journal Award Certificate shall be presented to the author or to each of the authors of the most outstanding paper originally published in the *Journal* of the Society during the preceding calendar year.

Other papers published in the *Journal* of the Society may be cited for Honorable Mention at the option of the Committee, but in any case should not exceed five in number.

The Journal Award shall be made on the basis of the following qualifications:

(1) The paper must deal with some technical phase of motion picture engineering.

(2) No paper given in connection with the receipt of any other Award of the Society shall be eligible.

(3) In judging of the merits of the paper, three qualities shall be considered, with the weights here indicated: (a) technical merit and importance of material, 45%; (b) originality and breadth of interest, 35%; and (c) excellence of presentation of the material, 20%.

A majority vote of the entire Committee shall be required for the election to the Award. Absent members may vote in writing.

The report of the Committee shall be presented to the Board of Governors at their July meeting for ratification.

These regulations, a list of the names of those who have previously received

the Journal Award, the year of each Award, and the titles of the papers shall be published annually in the *Journal* of the Society. In addition, the list of papers selected for Honorable Mention shall be published in the *Journal* of the Society during the year current with the Award.

The recipients are listed below by year, with the date of *Journal* publication given after the title.

1934, P. A. Snell, "An introduction to the experimental study of visual fatigue," May 1933.

1935, L. A. Jones and J. H. Webb, "Reciprocity law failure in photographic exposure," Sept. 1934.

1936, E. W. Kellogg, "A comparison of variable-density and variable-width systems," Sept. 1935.

1937, D. B. Judd, "Color blindness and anomalies of vision," June 1936.

1938, K. S. Gibson, "The analysis and specification of color," Apr. 1937.

1939, H. T. Kalmus, "Technicolor adventures in cinemaland," Dec. 1938.

1940, R. R. McNath, "The surface of the nearest star," Mar. 1939.

1941, J. G. Frayne and Vincent Pagliarulo, "The effects of ultraviolet light on variable-density recording and printing," June 1940.

1942, W. J. Albersheim and Donald MacKenzie, "Analysis of soundfilm drives," July 1941.

1943, R. R. Scoville and W. L. Bell, "Design and use of noise-reduction bias systems," Feb. 1942 (Award made Apr. 1944).

1944, J. I. Crabtree, G. T. Eaton and M. E. Muchler, "Removal of hypo and silver salts from photographic materials as affected by the composition of the processing solutions," July 1943.

- 1945, C. J. Kunz, H. E. Goldberg and C. E. Ives, "Improvement in illumination efficiency of motion picture printers," May 1944.
- 1946, R. H. Talbot, "The projection life of film," Aug. 1945.
- 1947, Albert Rose, "A unified approach to the performance of photographic film, television pickup tubes, and the human eye," Oct. 1946.
- 1948, J. S. Chandler, D. F. Lyman and L. R. Martin, "Proposals for 16-mm and 8-mm sprocket standards," June 1947.
- 1949, F. G. Albin, "Sensitometric aspect of television monitor-tube photography," Dec. 1948.
- 1950, Frederick J. Kolb, Jr., "Air cooling of motion picture film for higher screen illumination," Dec. 1949.
- 1951, A. B. Jennings, W. A. Stanton and J. P. Weiss, "Synthetic color-forming binders for photographic emulsions," Nov. 1950.
- 1952, D. L. MacAdam, "Quality of color reproduction," May 1951.

The present Chairman of the Journal Award Committee is Frederick J. Kolb, Jr.

Progress Medal Award

The Progress Medal Award Committee shall consist of five Fellows or Active members of the Society, appointed by the President and confirmed by the Board of Governors. The Chairman of the Committee shall be designated by the President.

The Progress Medal may be awarded each year to an individual in recognition of any invention, research or development which, in the opinion of the Committee, shall have resulted in a significant advance in the development of motion picture technology.

Any member of the Society may recommend persons deemed worthy of the Award. The recommendation in each case shall be in writing and in detail as to the accomplishments which are thought to justify consideration. The recommendation shall be seconded in writing by any two Fellows or Active members of the Society, who shall set forth their knowledge of the accomplishments of the candidate which, in their opinion, justify consideration.

A majority vote of the entire Committee shall be required to constitute an Award of the Progress Medal. Absent members may vote in writing.

The report of the Committee shall be presented to the Board of Governors at their July meeting for ratification.

The recipient of the Progress Medal shall be asked to present a photograph of himself to the Society and, at the discretion of the Committee, may be asked to prepare a paper for publication in the *Journal of the Society*.

These regulations, a list of the names of those who have previously received the Medal, the year of each Award and a statement of the reason for the Award shall be published annually in the *Journal of the Society*.

Awards have been made as follows:

- 1935, E. C. Wente, for his work in sound recording and reproduction, Dec. 1935.
- 1936, C. E. K. Mees, for his work in photography, Dec. 1936.
- 1937, E. W. Kellogg, for his work in sound reproduction, Dec. 1937.
- 1938, H. T. Kalmus, for his work in developing color motion pictures, Dec. 1938.
- 1939, L. A. Jones, for his scientific researches in photography, Dec. 1939.
- 1940, Walt Disney, for his contributions to motion picture photography and sound recording of feature and short cartoon films, Dec. 1940.
- 1941, G. L. Dimmick, for his development activities in motion picture sound recording, Dec. 1941.

No Awards were made in 1942 and 1943.

- 1944, J. G. Capstaff, for his research and development of films and apparatus used in amateur cinematography, Jan. 1945.

No Awards were made in 1945 and 1946.

- 1947, J. G. Frayne, for his technical achievements and the documenting of his work in addition to his contributions to the field of education and his inspiration to his fellow engineers, Jan. 1948.
- 1948, Peter Mole for his outstanding achievements in motion picture studio

lighting which set a pattern for lighting techniques and equipment for the American motion picture industry, Jan. 1949.

1949, Harvey Fletcher for his outstanding contributions to the art of recording and reproducing of sound for motion pictures, Oct. 1949

1950, V. K. Zworykin, for his outstanding contributions to the development of television, Dec. 1950.

1951, Earl I. Sponable, for outstanding contributions to technical advancement of the motion picture art, particularly with respect to sound on film, color and large-screen television, Dec. 1951.

1952, John I. Crabtree, for his outstanding contribution in the field of photographic chemistry, motion picture processing and processing equipment, Dec. 1952.

The present Chairman of the Progress Medal Award Committee is D. B. Joy.

Samuel L. Warner Memorial Award

Each year the President shall appoint a Samuel L. Warner Memorial Award Committee consisting of a chairman and four members. The chairman and committee members must be Active Members or Fellows of the Society. In considering candidates for the Award, the committee shall give preference to inventions or developments occurring in the last five years. Preference should also be given to the invention or development likely to have the widest and most beneficial effect on the quality of the reproduced sound and picture. A description of the method or apparatus must be available for publication in sufficient detail so that it may be followed by anyone skilled in the art. Since the Award is made to an individual, a development in which a group participates should be considered only if one person has contributed the basic idea and also has contributed substantially to the practical working out of the idea. If, in any year, the committee does not consider any recent development to be more than the logical working out of details along well-known lines, no recommendation for the Award shall be made. The recommendation of the committee shall be presented to the Board of Governors at the July meeting.

The purpose of this Award is to encourage the development of new and improved methods or apparatus designed for sound-on-film motion pictures, including any step in the process.

Any person, whether or not a member of the Society of Motion Picture and Television Engineers, is eligible to receive the Award.

The Award shall consist of a gold medal

suitably engraved for each recipient. It shall be presented at the Fall Convention of the Society, together with a bronze replica.

These regulations, a list of those who previously have received the Award, and a statement of the reason for the Award shall be published annually in the *Journal* of the Society. The recipients have been:

1947, J. A. Maurer, for his outstanding contributions to the field of high-quality 16-mm sound recording and reproduction, film processing, development of 16-mm sound test films, and for his inspired leadership in industry standardization (citation published, Jan. 1948).

1948, Nathan Levinson, for his outstanding work in the field of motion picture sound recording, the intercutting of variable-area and variable-density sound tracks, the commercial use of control track for extending volume range, and the use of the first sound-proof camera blimps (citation published, Jan. 1949).

1949, R. M. Evans, for his outstanding work in the field of color motion picture films, including research on visual effects in photography and development work on commercial color processes (citation published, Oct. 1949).

1950, Charles R. Fordyce, for his efforts in and achievement of the development of triacetate safety base film (citation published, Dec. 1950).

1951, Earl I. Sponable, for years of research and development in recording of sound on film (citation published Dec. 1951).

1952, Herbert T. Kalmus; for Techni-

color's perfection of the inhibition process for 16mm color prints and for the techniques of making separate sound negatives for mass production by the 35mm32mm method for excellence of

16mm sound (citation published, Dec. 1952).

The present Chairman of the Samuel L. Warner Memorial Award Committee is Wallace V. Wolfe.

David Sarnoff Gold Medal Award

The David Sarnoff Gold Medal Award Committee, appointed by the President, shall consist of five Fellows, Honorary Members or former recipients of some formal Society Award, each of whom shall be qualified to judge the importance or value of current work in some technical phase of the broad field of television engineering, whether in research, development, design, manufacture, operation, or in any similar phase of theater television.

The award shall consist of a gold medal, together with a bronze replica and a citation, stating the recipient's qualifications.

The David Sarnoff Gold Medal may be awarded each year to any qualified individual, whether or not currently a member of this Society, in recognition of recent technical contributions to the art of television, to encourage the development of new techniques, new methods and new equipment which hold promise for the continued improvement of television, preference to be given for work having reached completion within the preceding five years.

Recommendations of the Committee and a report of its deliberations shall be presented to the Board of Governors three months in advance of the time for presentation (at the July meeting of the Board, for presentation at the Fall Con-

vention). Any member of the Society may recommend persons deemed worthy of the Award. The recommendation in each case shall be in writing and in detail as to the accomplishments which are thought to justify consideration.

These regulations, a list of the names of those who have previously received the medal, the year of each Award and a statement of the reason for the Award shall be published annually in the *Journal* of the Society. The first recipient is:

1951, Otto H. Schade, for his outstanding accomplishments in the fields of television and motion picture science and engineering, in outlining the potentialities of television and film systems as to fidelity of photography and reproduction of images (citation published Dec. 1951).

1952, Axel G. Jensen, 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 (citation published, Dec. 1952).

The present Chairman of the David Sarnoff Gold Medal Award Committee is Loren L. Rydcr.

Tests films are solidly noticed in the *Bulletin* of the Audio-Visual Center, Indiana University, Bloomington, Ind., vol. 12, No. 3, Feb. 1953. The first three pages are chiefly devoted to the Society's *16mm Sound Service Test Film*, the values of which have been emphasized for the *Bulletin* by Robert W. Miller of the De Vry Corp. After a thorough description of the sound service film, there is this note: "We hope that information on a visual test film can be presented in this *Bulletin* in the near future. If you have had experience in using one, or can suggest points which need to be discussed, we will appreciate hearing from you."

HONORARY MEMBERS

Lee de Forest
Edward W. Kellogg

A. S. Howell
V. K. Zworykin

The distinction of Honorary Membership in the Society is awarded to living pioneers whose basic contributions when examined through the perspective of time represent a substantial forward step in the recorded history of the arts and sciences with which the Society is most concerned.

SMPTE HONOR ROLL

Louis Aimé Augustin Le Prince
William Friese-Greene
Thomas Alva Edison
George Eastman
Frederic Eugene Ives
Jean Acme Le Roy
C. Francis Jenkins
Eugene Augustin Lauste
William Kennedy Laurie Dickson

Edwin Stanton Porter
Herman A. DeVry
Robert W. Paul
Frank H. Richardson
Leon Gaumont
Theodore W. Case
Edward B. Craft
Samuel L. Warner
Louis Lumiere
Thomas Armat

Elevation to the Honor Roll of the Society is granted to each distinguished pioneer who during his lifetime was awarded Honorary Membership or whose work was recognized subsequently as fully meriting that award.

Engineering Activities

Film Projection Practice Committee

On March 10, 1953, the members of this Committee met to consider several very timely questions that have been raised with respect to special magazines, projection reels and reel spindles required for exhibition of three-dimensional motion pictures.

Their deliberations produced a number of definite recommendations and suggestions that further engineering development work be undertaken promptly by the equipment manufacturers. The Committee's letter of March 18 transmitting this information to the manufacturers said:

In order possibly to help eliminate confusion on magazines and reels for use with 3-D, two-film systems accommodating a program length of 10,000 ft with one intermission, we list below the present thinking of the Film Projection Practice Committee of the SMPTE:

Magazines

A magazine with an inside diameter of 25 in. and minimum depth of $3\frac{1}{2}$ in. is recommended.

Reels and Spindles

A reel with an outside diameter of 24 in. is recommended. Suggestions on other features of this equipment follow:

(a) Several manufacturers indicated that a $\frac{5}{16}$ -in. diameter shaft of high-grade steel is adequate with regard to strength. However, to provide a reasonable safety factor where suitable steel cannot be used a $\frac{1}{2}$ -in. spindle may be desirable.

(b) It is believed that a $\frac{5}{16}$ - or $\frac{1}{2}$ -in. bore in the reel is inadequate and that a larger bore is definitely required. The reasons are twofold:

(1) It is extremely difficult to place a loaded 24-in. reel on the feed magazine spindle when sighting through a $\frac{5}{16}$ - or $\frac{1}{2}$ -in. bore, especially when it is con-