Address and Recording. Theirs is a heavy responsibility, in an area where things can go wrong. It is greatly to the credit of R. E. Buescher that, despite difficulties, projection and public address were well accomplished. This did not come about without the expenditure of considerable effort. At the end of the Convention, Mr. Buescher admitted that, in the words of the song, he was "A Weary, Weary Man," but he especially requested that recognition be given his helpers who turned deaf ears to the "quitting whistle" and managed to be around when needed. Among them were: Jim Cornell of General Electric; Jack Greenfield of Naval Photo Center; Don Johnston of Charter Oak Films; and Jack Leahy and Alfred Ulmer, both of RCA. Equipment was contributed by Capitol Motion Picture Supply, Florman & Babb, Radio Corp. of America, S.O.S. Cinema Supply and United Camera Co.

The man in charge of Hotel Arrangements frequently finds himself bent and bowed under a mountain of details and beset with complaints from practically everybody. This assignment was effectively carried out by B. F. Perry.

W. H. Metzger accepted the double task of Registration Chairman and Auditor and wore both hats with ease and aplomb. Publicity was in the capable hands of Charles Austin. Membership Chairman J. T. Dougherty was assisted by Robert E. Burns and they helped a large number of registrants to apply for membership. Arthur J. Miller was in charge of arrangements for the Get-Together Luncheon and Saul Jeffee was in charge of Banquet arrangements.

C. F. Lo Balbo was in charge of Transportation; and Administrative Assistants V. J. Duke, J. W. Kaylor, M. Peter Keane and J. L. Koushouris contributed ably to the success of the Convention.

Presentation of Awards

The Awards Session is always a special occasion and the organization of it this year benefited from the co-chairmanship of C. J. Hirsch and Ed Warnecke. The guest speaker was Edgar M. Cortright, Chief, Advanced Technology Program, National Aeronautics Space Administration. His illustrated lecture was very enthusiastically appreciated. It is being prepared for publication in January.

The awards citations and abstracts of the introductions are published below.

Society Awards

A special session for the presentation of awards was held on October 6 in the evening in the Skytop Room, with President Norwood L. Simmons presiding.

Norwood Simmons and John C. Stormont, recipient of Student Member Award.

A Student Member Award was made, the first by the Society which established the Award in 1957. It was made to John C. Stormont, at present in his Senior year at the University of Miami. The award was for his paper "Student-Built 16mm Continuous Positive Film Processor as Used in University Film Productions," presented before the Miami Student Chapter in April 1959 and at the Society's Miami Beach Convention in May. It is published in the October 1959 *Journal*, pp. 690–693.

Mr. Stormont is majoring in motion pictures in the Radio-Television and Film Department of the University of Miami, and is working toward a Bachelor's Degree in communications.

The Student Member Award was created to afford special recognition to those Society Members who are today preparing themselves for positions in the motion-picture and television field.

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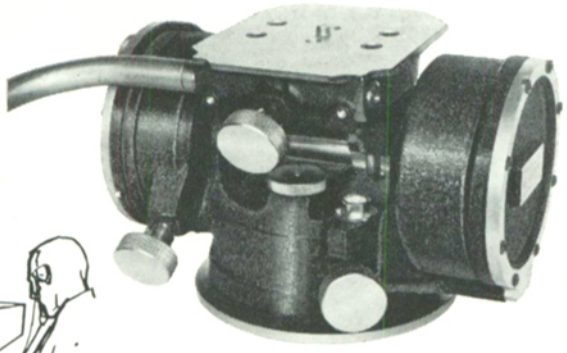

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- Weighs 20 pounds.
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- Equipped with precision bull's eye level.
- Available with Mitchell Standard, Mitchell 16, Pro Jr., Auricon and O'Connor "Level-head" bases.
- Adaptable to handle-bar type operation.

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In spite of its weight and rugged construction, the Model 100 provides "jerk-free finger-tip control under the most difficult filming conditions. This head can be furnished with three different spring combinations for counter-balancing the camera, and an extra handle provides for easy conversion to the handle-bar type of operation.

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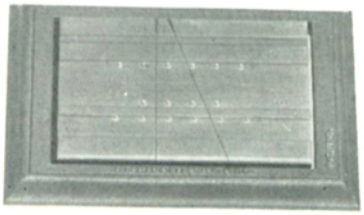
Model B-35 for 35 mm. film 12.50

Model BSB - Combination block for 16mm., 35mm. and ¼" tape.. 24.50



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Transparent — For Film

	per roll
16mm.—Single Perf.	$5.00
16mm.—Double Perf.	5.00
35mm.	9.00

Opaque — For Magnetic Film

	per roll
16mm.	$ 6.60
35mm.	11.00

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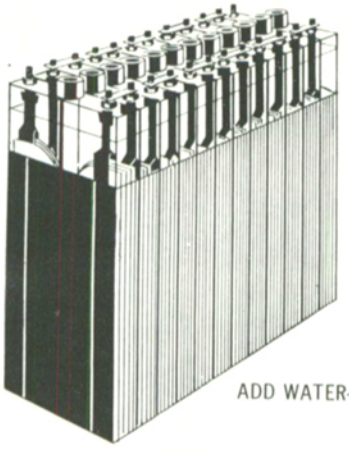

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Standing between SMPTE President Norwood Simmons and Past-President Barton Kreuzer are seven recipients of the Society's Fellowship Award and the wife of one recipient, who accepted in behalf of her husband. They are: Paul W. Vittum, James W. Kaylor, Robert E. Birr, Walter E. Beyer, Mrs. Henry Ushijima, Philip E. Smith, Julian H. Webb, and Hans C. Wohlrab.

Fellows

The following members were raised to the rank of Fellow, Certificates were presented by Barton Kreuzer, Past-President of the Society:

Walter E. Beyer
Robert E. Birr
Harry P. Brueggemann
John M. Calhoun
Albert Gillet
Robert Gottschalk
C. Loren Graham
James W. Kaylor
G. Don Malkames
Leon C. Shelly
Philip E. Smith
Henry Ushijima
Paul Vittum
Julian H. Webb
Hans C. Wohlrab

Honorary Member

The Award of Honorary Membership was bestowed upon Harvey Fletcher. The citation, prepared by the Honorary Membership Committee under the Chairmanship of Charles R. Fordyce, states: The evolving technology of the motion picture and television industry continues to profit from the contributions of Harvey Fletcher. He is one of those rare individuals whose understanding ranges both broadly and deeply. As a pioneer in modern psychoacoustics, he bridged that forbidding chasm between physics and psychology leaving such permanent spans as the relation between frequency, intensity, and loudness (the Fletcher-Munson curves), the subjective loudness (sone) scale, and the concepts of masking. The auditory nervous system attracted his attention and led him to formulate in 1930 his "Space-Time Pattern Theory of Hearing." The notions expressed therein still form the backbone of research thinking in auditory theory. He made basic contributions toward integrating phonetic analysis, speech production, and the acoustical properties of speech.

As important as these milestones are in human communication, he was not, as modern intellectuals often are, content to leave them to be exploited by others. Despite his stature among basic scientists, he was not encumbered by a disdain for the practical. Thus he used his intuition to solve problems of the real world. He was one of the early physical scientists to influence the field of medical acoustics, publishing such works as "Physical Meas-

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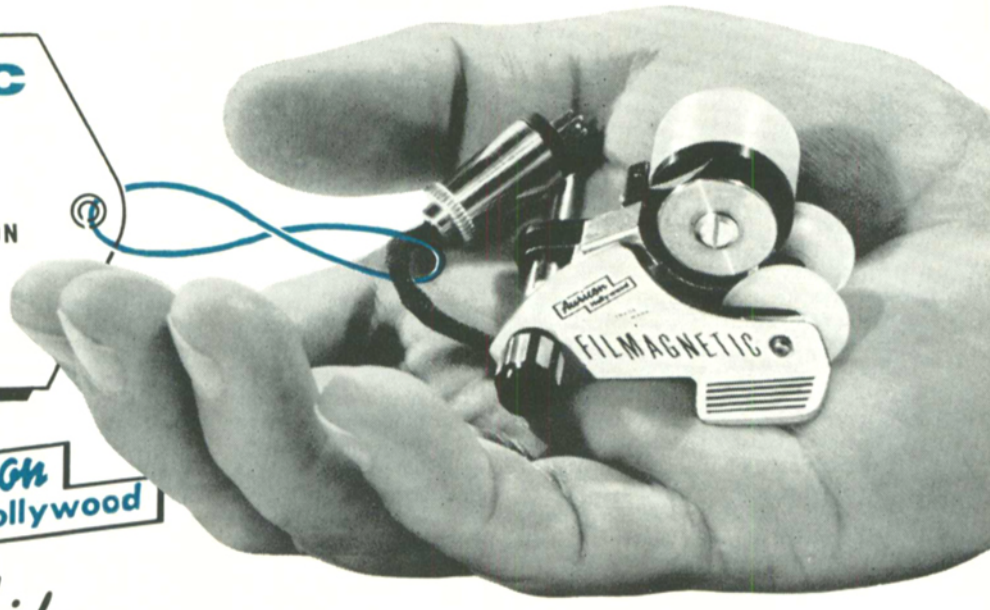

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"Filmagnetic" Outfit complete . . . $870.00

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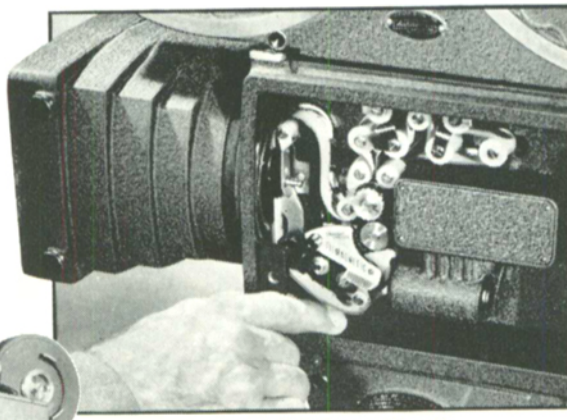

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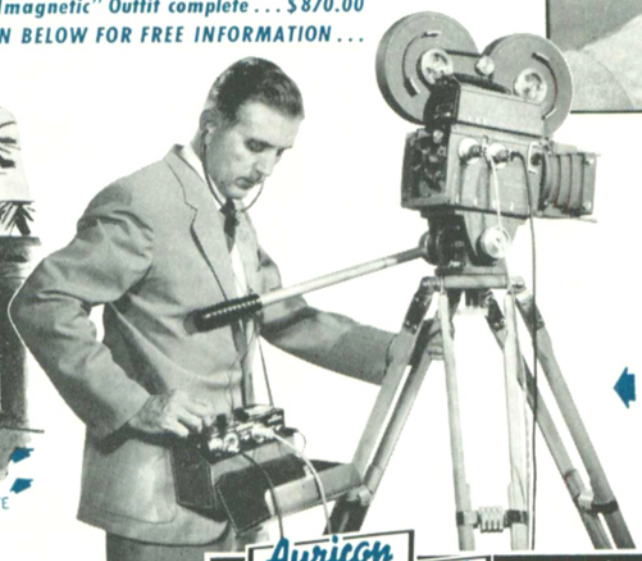

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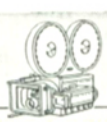
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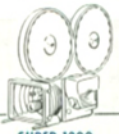
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urement of Audition," "Measuring Children's Hearing," and "Can We Scientifically Advise Patients as to the Effectiveness of Hearing Aids?" He established the first effective methods for intelligibility testing of communication systems, and thought clearly about the complex problems of sound reproduction. In 1924, he published with W. H. Martin "High Quality Transmission and Reproduction of Speech and Music" outlining those factors which both to industry and the "hi-fi" fraternity have become standard terms of reference. He went further in his subsequent works described in "Hearing, the Determining Factor of High-Fidelity Transmission," and "Auditory Perspective." In the latter paper, he proposed a sound reproduction system to convey spatial as well as tonal information. Thus he sired the current development of stereophony. He arranged the first demonstration of stereophonic transmission of music between Philadelphia and Washington in 1933, and in 1941 published in the *Journal of the Society of Motion Picture Engineers* an account of a "Stereophonic Sound Film System."

Harvey Fletcher was born in 1884 at Provo, Utah, attended Brigham Young University and received his PhD degree in Physics from the University of Chicago. From 1911–1916 he was Head of the Department of Physics at Brigham Young and in 1916 joined the Bell Telephone Laboratories. He retired from that organization in 1949 as Director of Physical Research, and joined Columbia University where he established a new Acoustics Laboratory. He is presently Director of Research and Dean at Brigham Young University. The honors bestowed on him by his admirers are legion. Among them are five honorary doctorate degrees, the Louis Edward Levy Gold Medal of the Franklin Institute, the Progress Medal of the SMPTE, and the Gold Medal of the Acoustical Society of America. He is a member of the National Research Council and the National Academy of Sciences. He served as Chief of the Acoustics Section of NDRC during World War II, as President of the American Society for the Hard of Hearing, President of the Acoustical Society of America, Vice-President of the American Association for the Advancement of Science, and as President of the American Physical Society.

Journal Award

The Journal Award for 1959 was presented to Derwyn M. Severy for his paper on "Photographic Instrumentation for Collision Injury Research." Three other papers were chosen for Honorable Mention. The papers and authors are:

D. W. Fassett, F. J. Kolb and E. M. Weigel, "Practical Film Cleaning for Safety and Effectiveness"

Otto H. Schade, Sr., "On the Quality of Color Television Images and Perception of Color Detail"

Donald A. Delwiche, James D. Clifford and William R. Weller, "Printing Motion-Picture Films Immersed in a Liquid—Part II: Evaluation of Liquids"

In the citation accompanying the Journal Award, read by James L. Wassell, Chairman of the Journal Award Committee, the author's many activities and accomplishments were noted. The following is quoted from the citation:

"In this paper, which appeared in the February issue of the *Journal*, Mr. Severy describes in detail the photographic instrumentation required during research studies conducted at the University of California. The Award Committee was impressed by the clarity with which this subject was presented. Mr. Severy's paper provides guide posts for the complete photographic coverage of similar future research projects.

Mr. Severy has concentrated primarily on the engineering field in his work at the Institute of Transportation and Traffic Engineering, University of California. He has, at the same time, achieved an impressive military background as a commanding officer in several naval aviation posts.

Herbert T. Kalmus Gold Medal

Herman H. Duerr was awarded the Herbert T. Kalmus Gold Medal for his contributions to the development of color films and color film processes. The citation, prepared by the Herbert T. Kalmus Gold Medal Award Committee was read by the Chairman, W. E. Gephart.

Dr. Herman H. Duerr is Technical Director of the Ansco Corp., where he is in charge of research and development. He came to the United States in 1931 from Germany where he had received a doctor's degree in chemistry and had been working for the I. G. Farben Industrie—in the field of color film and dye chemistry research before being transferred to the U.S.A. He has since been associated with the Ansco Corp. in Binghamton, N.Y.

While associated with or heading the research work at Ansco in the manufacture of color emulsions for photographic prod-

ucts, Dr. Duerr has been largely responsible for much of the color film development program at Ansco. He did much of the early work at Ansco on dye couplers and dyes as color sensitizing agents. He has done considerable work and published various papers in the field of color sensitometry. He has published a number of papers in the *Journal* and elsewhere on Ansco color films and particularly on Super-Anscochrome reversal films. He has served the Society as the dynamic head of the Color Committee during a most important era.

Dr. Duerr has been awarded many patents in the color film field and has generally contributed a great deal to the development of color films and color film processes.

David Sarnoff Gold Medal

W. R. G. Baker was awarded the David Sarnoff Gold Medal for his outstanding work as Chairman of the National Television System Committee. Dr. Baker was unable to be present so the Award was accepted on his behalf by Alfred N. Goldsmith. The citation, prepared by the David Sarnoff Award Committee, was read by the Chairman, Frank N. Gillette.

Dr. Walter R. G. Baker received the degree of Bachelor of Science in Engineering in 1916, that of Master of Science in Electrical Engineering in 1918, both from Union College. He has received honorary doctorate degrees from Union College in 1935, Syracuse University in 1951 and Brooklyn Polytechnic Institute in 1955.

In 1917 he joined General Electric as design engineer in charge of transmitters. In 1930 he went to Radio Corp. of America to head the radio activities of the new organization. There he progressed to Vice-President in charge of engineering, then both engineering and manufacturing, and finally Vice-President and General Manager. In 1935 he returned to GE, was made a Vice-President in 1941 with responsibility for all of GE's electronic activity, became a consultant to the executive office in 1956. He retired from GE November 30, 1957, and immediately became President of Syracuse University Research Corporation.

Dr. Baker has been actively associated with literally dozens of technical societies and industry associations and has held many of the highest offices in such groups. To mention only a few, he was variously director, treasurer and in 1947 President of the Institute of Radio Engineers. He was President of the Electronic Industries Association in 1957 and has been Director of the EIA Engineering Department for some 25 years.

We honor Dr. Baker at this time for his outstanding work as Chairman of the National Television System Committee which functioned on two separate occasions when standards were urgently needed to promote the growth of television in the United States.

In these efforts the best engineering talent in the industry was formed into one gigantic organization devoted solely to the task of developing the standards required, in the first instance for monochrome television and in the second for color television.

Each effort followed a period of intensive but uncoordinated development on the part of many highly competitive companies. While all workers could agree on some things there were many points upon which contradictory views were firmly held and vigorously advanced.

Considered against this background, the NTSC achievement in arriving at standards supported by the entire industry (doing so for black-and-white TV in an astounding six-month period) is all the more impressive. Dr. Baker contributed personally to this success

(1) by helping to develop the idea of an NTSC:

(2) by setting up the committee organization and securing the active participation of dozens of companies and hundreds of individuals, and

(3) by guiding and directing the work in a manner which promoted accomplishment and brought about compromise at many points of very serious conflict.

Although others, many others, contributed to NTSC, Dr. Baker's share was a vital one for which he richly deserves the measure of recognition afforded by the David Sarnoff Gold Medal Award.

Samuel L. Warner Memorial Award

The Samuel L. Warner Memorial Gold Medal for 1959 was presented to Dr. John G. Frayne for his contribution in engineering a 70mm stereo six-track magnetic film system and test films. The citation, pre-

pared by the Samuel L. Warner Award Committee, was read by the Chairman, John Aalberg.

A special committee for the Samuel L. Warner Award is responsible for reviewing the inventions or methods most likely to have a beneficial effect on the recording and reproduction of sound and picture and selecting the engineer who has made the outstanding contribution.

Dr. Frayne has been working continuously in sound motion-picture engineering since 1928. His contributions span the technology of sound motion pictures from light valves and noise reduction to 70mm magnetic film recording and reproducing systems. The committee was unanimous in its opinion that Dr. Frayne's contribution in engineering a 70mm stereo six-track magnetic film system and test films therefore met the rigid requirements for this award.

In addition to these contributions, Dr. Frayne has influenced sound recording by sponsoring various educational programs, as co-author of a text book on sound and as a friend to those of us who work in his field.

Progress Medal

The Progress Award for 1959 was presented to Harold E. Edgerton. At the time of the Convention Dr. Edgerton was in Puerto Rico on a deep sea expedition. The Progress Medal was accepted on his behalf by Charles Wyckoff. The following citation, prepared by the Progress Medal Award Committee was read by the Chairman, Dr. Deane R. White.

Harold Eugene Edgerton received his undergraduate training at the University of Nebraska in 1925 and Master and Doctor of Science Degrees at the Massachusetts Institute of Technology where he has been a Professor of Electrical Engineering since 1926.

Professor Edgerton has pioneered with spectacular success in the fields of high-speed photography and stroboscopy. His researches in these fields have been reported in our Society's publications frequently since 1931. He has contributed to the development of short-duration high-intensity light sources, to the design of equipment to be used with them and finally to many important, as well as popular, applications thereof. We have all seen examples such as stop-motion photography of high-speed machinery or even a golf swing, beautiful photographs in the National Geographic Magazine taken several miles below the surface of the seas and awesome pictures taken during various phases of atomic explosions. A visit to Professor Edgerton's laboratory is a delightful experience in informality and a stimulating introduction to his many and varied interests.

Professor Edgerton has performed in many capacities in the service of our Government, as well as in the interests of various technical societies. He has been very active in the high-speed photographic activities of our Society and has served as its representative at both the 3rd and 4th International Congresses on High-Speed Photography. Also he finds time to serve as Chairman of the Board of the successful firm of Edgerton, Germeshausen and Grier, Inc., which he helped to found. His talents have been widely recognized by the following awards: the Progress Medal of the Royal Photographic Society of London, the Modern Pioneer Award of the National Association of Manufacturers, the Potts Medal of the Franklin Institute, the National Geographic Society's Burr Prize, the Sprague Memorial Award from the National Press Photographer's Association and designation as the New England Engineer for 1958 by the Engineering Society of New England.

He is a Fellow of our Society, of the American Institute of Electrical Engineers and the Photographic Society of America.

Rosters of Student Chapters

Officers and faculty advisors of the four SMPTE Student Chapters are:

City College of New York: Faculty Advisor, *Martin Rich;* Chairman, *Peter Hess;* Secretary-Treasurer, *Morton Fuchs.*

Rochester Institute of Technology: Faculty Advisor, *Hollis Todd;* Chairman, *Leonard Solomon;* Secretary-Treasurer, *Richard Walker.*

University of Miami: Faculty Advisor, *Sydney Head;* Chairman, *Peter Hallinan;* Secretary-Treasurer, *David O. Sperber.*

University of Southern Calif.: Faculty Advisor, *Herbert E. Farmer;* Chairman, *Laurence Souville;* Secretary-Treasurer, *Don Perrin.*