Products Division, has received the University of Minnesota's Outstanding Achievement Award presented to former students for high eminence and distinction. Dr. Wetzel was graduated from the University in 1928 and was granted the PhD degree in physics and mathematics in 1933. Recognized as an international authority on magnetic recording, he has been instructor and lecturer at the University of Minnesota, University of Chicago and Colgate University. He plans to retire sometime during 1964 and will be succeeded as General Manager by M. C. Hegdal, who has worked with Dr. Wetzel for the past 19 years in the research and development of magnetic tapes.

A Fellow of the Society, Dr. Wetzel served as Governor from 1958 through 1961. Among his publications is a Journal paper (with co-authors R. Herr and B. F. Murphey) on "Some Distinctive Properties of Magnetic-Recording Media" (*Journal*, pp. 77–88, January, 1949).

Obituary

George Partington

George Partington died June 13, 1963, at St. Andrews Hospital, Billericay, Chelmsford, England. He was born in 1916 at St. Anne's-on-Sea in Lancashire, and was educated at Kirkham Grammar School and Manchester University, where he was granted the degree of Bachelor of Science. In 1938 he joined the Marconi Company and after a year at the Marconi College, entered the Research Division. In 1956 he was made Deputy Chief Television Engineer and in 1959 he became Chief Engineer of the Broadcasting Division, a position he held until his death.

Throughout his career he was a prolific inventor and designer. He made significant contributions to all branches of the technical progress of television throughout the world. One of his most important contributions was his work leading to development of the $4\frac{1}{2}$-in. image-orthicon tube. This development is described in a paper which was presented at the Society's 86th Conference in New York and later published in the February, 1960, issue of the *Journal*. A paper on "Operationally Simplified Camera Channels," which appears in the June, 1962, issue of the *Journal*, had been presented at the 90th Conference at Lake Placid. In addition to other related fields of activity, Mr. Partington had been active in the development of pay television and wired television systems.

section reports

The role of photography at the Merritt Island launch area of the National Aeronautics and Space Administration was outlined by Richard M. Murphy of NASA at the December 7 meeting of the **Cape Kennedy Section.** The meeting, held in Schrafft's Carriage House, was attended by 52 members and guests.

Mr. Murphy illustrated his talk with slides and a 16mm color movie.—W. G. Wiest, *Secretary-Treasurer*, 122 North Indian Hill Circle, Cocoa, Fla.

The theory and applications of the Kalvar non-silver process were outlined for 33 members and guests of the **Cape Kennedy Section** at the meeting January 18 at Cape Colony Inn. The speaker, Dr. R. T. Nieset of Kalvar Corp., noted that the process, in which an image is formed when tiny gas bubbles are released on exposure to ultraviolet light, is being used extensively for microfilming purposes. One of the present disadvantages of the Kalvar process, he said, was its relatively slow speed, but improvements are being made in this area. Dr. and Mrs. Nieset were honored at a dinner after the meeting.—W. G. Wiest, *Secretary-Treasurer*, 122 North Indian Hill Circle, Cocoa, Fla.

Twenty-one members and guests of the **Denver Section** was present at a dinner meeting December 17 in Pueblo. The meeting was organized by Jackson Cravens of KOAA-TV in Pueblo.

After a tour of the computer center at the Pueblo Army Depot, the SMPTE group went to the KOAA studios, where Mr. Cravens spoke on "Film Production Problems in Small-Market Television."

The meeting closed with a social period. —Stanley C. Phillips, *Secretary-Treasurer*, 3330 West 93rd Ave., Westminster, Colo.

Norman F. Bounsall of Ampex Corp. and Milt Altman of National Broadcasting Co. discussed and demonstrated video-tape editing and animation techniques at the November 26 meeting of the **Hollywood Section.** The meeting, held at NBC in Burbank, was attended by 180 persons.—John P. Kiel, *Chairman*, c/o Photo-Sonics, Inc., 820 S. Mariposa St., Burbank, Calif.

Two hundred persons attended the December 17 meeting of the **Hollywood Section** at Lytton Center of the Visual Arts in Hollywood. After viewing the permanent collection and the current exhibit at the center, the members and guests saw a film, *Fish, Moon and Tides—The Grunion Story*, produced by Academy Films. Unusual aspects of the production were discussed by James Larsen of Academy.

Gordon Williams and Michael Strong of World Wide Pictures discussed "A Simple Approach to the Quality Control Problems of 16mm Optical Sound Track for the Smaller Recording Studio and Laboratory."

Also presented was a paper, "Rapid Processing of a Panchromatic Negative Film by the Application of a Viscous Monobath," by G. J. Johnston, W. H. Bahler and J. C. Barnes of Eastman Kodak Co., Rochester, N.Y.

The meeting closed with a discussion of current sound recording techniques in England and France by Ralph R. Wells of Columbia Pictures.—John P. Kiel, *Chairman*, c/o Photo-Sonics, Inc., 820 S. Mariposa St., Burbank, Calif.

A paper first presented at the SMPTE Technical Conference in Boston last fall, "A Method for Converting Subtractive Timing and Color Balance Printing Data to Additive Printer Settings," was read at the December 17 meeting of the **Montreal Section** by Frederick F. H. Dobbs of the National Film Board. Twenty-eight members and guests attended the meeting at the NFB.

The second paper of the evening was presented by Toby Green of the International Civil Aviation Organization's Audio-Visual Aids Division. Mr. Green's paper described some of the more economical A-V aids developed for the training of flight controllers and radar operators.

The meeting was opened with a showing of the prizewinning film, *The Great Toy Robbery*—Michael W. Barlow, *Chairman*, c/o CFCF-TV, 405 Ogilvy Ave., Montreal, Que.

A new nonliquid, diffusion-transfer process that produces a negative and a positive simultaneously was described at a joint meeting November 21 of the **Rochester Section** and the local chapter of the Society of Photographic Scientists and Engineers by Raife Tarkington of Eastman Kodak Co. The process uses Kodak Bimat film, Type SO Ill.

The 140 persons who attended the meeting at the Kodak Research Laboratories auditorium also heard a paper by T. J. Murray, R. A. Schottmiller and W. C. Snyder of Kodak on "Ultraviolet Fluorescence of Developer By-Products and Its Use in Agitation Studies."

The opening film was *Danze Cromatiche* (Color Choreography), an abstract film made by Dr. Ugo E. Torricelli of New York City.—Bruce R. Beiswenger, *Secretary-Treasurer*, 1653 Titus Ave., Rochester, N.Y.

The new PI-3V Portable Television Recorder was demonstrated for 95 members and guests of the **San Francisco Section** at a meeting December 10 at Precision Instrument Co. in Palo Alto. The recorder, which weighs approximately 65 pounds, was demonstrated by PI Senior Engineer Bill Rumple, after which Forrest Watson of 3M Co. discussed his firm's new long-wearing video tape.

PI was the host for a dinner before the meeting.—Harry N. Jacobs, *Secretary-Treasurer*, 333 Buena Vista, Mill Valley, Calif.

Television operations in the Far East were discussed by Joseph Roizen of Ampex Corp. at the January 14 meeting of the **San Francisco Section** at KGO Studios. Forty-eight members and guests attended.

Mr. Roizen, who recently returned from a trip that included stops in Tahiti, Australia, New Zealand, Hong Kong, Taiwan, Japan, Thailand and the Philippines, illustrated his talk with color slides and video tapes made at the various broadcasting stations he visited.

The meeting was preceded by a social hour at a nearby restaurant. — Lawrence Weiland, *Secretary-Treasurer*, c/o Ampex Corp., 934 Charter St., Redwood City, Calif.

Eighty-four members and guests attended the January 9 meeting of the **Toronto Section,** held in the National Film Board auditorium. Speakers of the evening were Dr. Frederick J. Kolb, Jr., of Eastman Kodak Co., who presented a paper on "New Magnetic Recording Products for Improved Sound Quality," and J. L. Major, Ampex of Canada, Ltd., who described a new line of portable video-tape recorders. The meeting opened with a prizewinning film, *The Most*, produced by Intervideo Productions, Ltd. — Maurice French, *Secretary-Treasurer*, 32 Dallington Dr., Willowdale, Ont.

Members of the Army Pictorial Service, meeting in annual conference, were special guests at the November 6 meeting of the **Washington Section.** The meeting was conducted in the Sheraton Park Hotel, where the annual Audio-Visual Equipment Show held in cooperation with the Washington Section was being held.

The meeting, which was attended by more than 300 persons, opened with music by the United States Marine Band and a welcoming address by Section Chairman Philip Martin, Jr.

William E. Youngs, planning committee chairman for the Society's 99th Technical Conference, called attention to the fact that the 99th Conference, to be held in Washington in 1966, will mark the 50th Anniversary of the founding of SMPTE. Mr. Youngs read a letter of congratulations to the Society from President John F. Kennedy.

The main speaker was Mrs. Katherine Stenholm, film director at Bob Jones University, Greenville, S.C. Discussing "University Training of Cinema Students," Mrs. Stenholm described the course of study at her school, then went on to describe the special problems encountered in the production of "Red Runs the River." The meeting closed with a showing of the Unusual Films production, which is set against the background of the Civil War.—William E. Youngs, 231 Mayflower Dr., McLean, Va.