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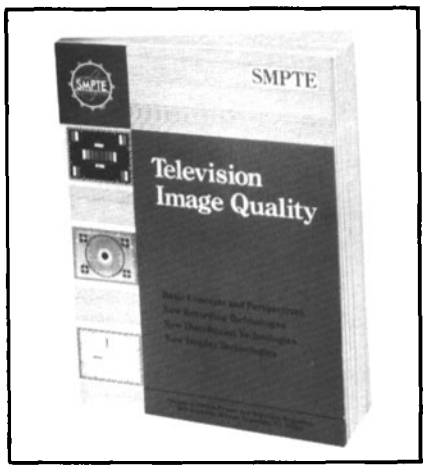


SMPTE Publishes Book on Television Image Quality

A new book, *Television Image Quality*, has been published by the SMPTE, it was announced by Editorial Vice-President Maurice L. French, Canadian Broadcasting Corp. The 377-page book measures 8½×11 in., and has a soft cover. It is available from SMPTE Books, 862 Scarsdale Ave., Scarsdale, NY 10583, at a price of $35. A 20% discount is available to SMPTE members.

The book contains 28 papers that were presented at the SMPTE Television Conference in Montreal in February 1984. The topics of discussion are Basic Concepts and Perspectives; New Recording Technologies; New Distribution Technologies; and New Display Technologies.

The Foreword was written by Conference Papers Program Chairman Stanley F. Quinn, Canadian Broadcasting Corp., Montreal. The Preface was written by SMPTE Editorial Vice-President Maurice L. French, Canadian Broadcasting Corp., Toronto. The Editor was Jeffrey B. Friedman. Cover design was by Mathew V. Kuriakose.

The following are the papers and authors as listed in the book's table of contents.

Basic Concepts and Perspectives

Image Quality from a Non-Engineering Viewpoint, *Harry Mathias*, Consultant, Los Angeles, Calif.

Perceptual Considerations for High-Definition Television Systems, *Curtis R. Carlson* and *James R. Bergen*, RCA Laboratories, Princeton, N.J.

Psychophysics and the Improvement of TV Image Quality, *William F. Schreiber*, Massachusetts Institute of Technology, Cambridge, Mass.

A Producer's View of Quality, *Norman Campbell*, Canadian Broadcasting Corp., Toronto, Ont.

The Scanning Process, *G. J. Tonge*, Independent Broadcasting Authority, Hampshire, England

Some Factors in the Evaluation of Image Quality: A British View, *Christopher P. Daubney*, Independent Broadcasting Authority, Hampshire, England

New Recording Technologies

The New Generation Television Recorder — A Broadcaster's Perspective, *K. P. Davies* and *M. Auclair*, Canadian Broadcasting Corp., Montreal, Que.

Tape Selection and Mechanical Considerations for the 4:2:2 DVTR, *Yoshio Fujiwara, Kazuo Ike*, and *Takeo Eguchi*, Sony Corp., Kanagawa-ken, Japan

Technical Choices for a Video Recorder, *John P. Watney*, Ampex Corp., Redwood City, Calif.

Perpendicular Magnetic Recording Technology, *M. P. Sharrock* and *D. P. Stubbs*, 3M Co., St. Paul, Minn.

Developmental Trend for Future Consumer VCR's, *Koichi Sadashige*, Matsushita Electric Corp. of America, Secaucus, N.J.

Optical Disc Technology for Permanent and Erasable Memory Applications, *Koichi Sadashige*, Matsushita Electric Corp. of America, Secaucus, N.J., and *M. Takenaga*, Matsushita Electric Industrial Co., Ltd., Osaka, Japan

Multiplier-Adder LSI for Digital Video Processing, *Seiichiro Iwase, Ichiro Kumata*, and *Yoshitaka Hashimoto*, Sony Corp., Kanagawa-ken, Japan

New Distribution Technologies

From Studio to Home — How Good is the Electronic Highway?, *Alexander G. Day*, Canadian Association of Broadcasters, Ottawa, Ont.

On Picture Quality in Television Systems, *Broder Wendland* and *Hartmut Schröder*, Lehrstuhl für Nachrichtentechnik, Universität Dortmund, West Germany

B-MAC, An Optimum Format for Satellite Television Transmission, *John D. Lowry*, Scientific Atlanta, Inc., Toronto, Ont.

Fiber Optic HD-TV Transmission Technologies, *Toshinori Tsuboi, Koichi Asatani*, and *Tetsuya Miki*, Yokosuka Electrical Communication Laboratory, NTT, Kanagawa, Japan

High Quality on Cable TV Including MDS, *Israel Switzer*, Cablecasting, Ltd., Toronto, Ont.

NTSC and MAC Television Signals in Noise and Interference Environments, *Gérald Chouinard*, Federal Dept. of Communications, Ottawa, Ont., and *John N. Barry*, Philip A. Lapp Ltd., Ottawa, Ont.

Distribution and Broadcasting Satellites: European Projects and Problems, *Rudolf Gressmann*, EBU Technical Centre, Brussels, Belgium

New Display Technologies

Direct Broadcast Home Terminals — Status Report, *R. Dennis Fraser*, ALCOA-NEC Communications Corp., Elk Grove Village, Ill.

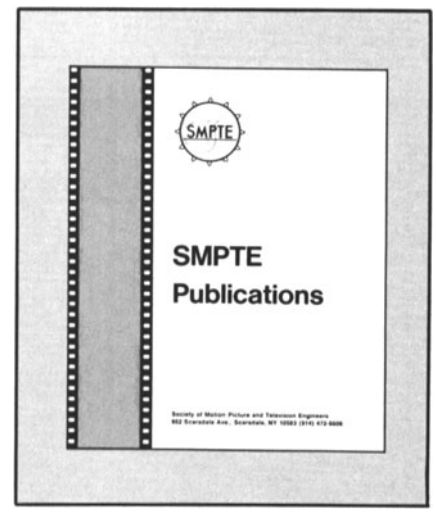
Signal Processing for Wide Screen Television: The Smart Receiver, *Richard N. Jackson*, Philips Laboratories, Redhill, U.K., and *Joseph S. Nadan*, Philips Research Laboratories, Briarcliff Manor, N.Y.

Recent Development in Large Screen Video Display Equipment Technology, *Koichi Sadashige*, Matsushita Electric Corp. of America, Secaucus, N.J., and *S. Ando*, Matsushita Communications Industrial Co., Ltd., Yokohama, Japan

Signal Processing for New HQTV Systems, *Broder Wendland* and *Hartmut Schröder*, Lehrstuhl für Nachrichtentechnik, Universität Dortmund, West Germany

Extended-Definition TV Fully Compatible with Existing Standards — Proposal and Experimental Results, *Takahiko Fukinuki, Yasuhiro Hirano*, and *Hiroshi Yoshigi*, Central Research Laboratory, Hitachi, Ltd., Tokyo, Japan

New Aspects and Experiences in Stereoscopic Television, *Ruediger Sand*, Institut für Rundfunktechnik (IRT), Munich, Germany.



The 1984 catalog of SMPTE publications has been published and is available on request from SMPTE Headquarters. The catalog features descriptions of SMPTE publications including the newly published book, *Television Image Quality*. Other books described are SMPTE's 1983 best-seller *Video Pictures of the Future*, in addition to *Tomorrow's Television* and *Television Technology in the 80's*. The catalog also lists SMPTE's three-volume series *Digital Video, Volumes 1, 2, and 3*.

Several books in the motion-picture field are listed, including the best-selling *Motion-Picture Projection and Theatre Presentation Manual*, and the classic *Special Effects in Motion Pictures: Some Methods for Producing Mechanical Special Effects*.

Joseph Roizen, president of Telegen, Palo Alto, Calif., is the recipient of the ITA/*Time* magazine Man of the Year award, it was announced by Henry Brief, ITA (International Tape Association) executive director. Presentation was made at the ITA 14th annual seminar, held in Palm Springs, Calif., in March.

The award cited Roizen's contributions to the engineering and design of television broadcast systems, his participation in the development of videotape recording, his role in advancing such new electronic technologies as direct broadcast satellite, digital videographics, videotext, and viewdata, and his service in the field of video standardization. Roizen is a Fellow of the SMPTE.

The ITA was founded in 1970, and is affiliated with *Time* magazine. Dedicated to the advancement of video and audio tape, it has a membership of some 400 companies.

API Photographers, Inc., a Memphis-based still/film/video production facility, has completed construction of an additional 7,500 ft^2 of studio space for a total plant area of 15,000 ft^2. A new sound stage covers 3,800 ft^2, and has a 120-ft hard cyclorama 16 ft high. The new facility is located at 3111 Stonebrook Cir., Memphis, TN 38116.

Fuji Photo Film U.S.A., Inc., has moved its Eastern regional office and distribution center to larger quarters at 800 Central Blvd., Carlstadt, NJ 07072. Located on seven acres of land about two miles north of the former site, the new facility contains approximately 130,000 ft^2 of space. Included are office space, technical space for Fuji's Minilab system, camera repair station, micrographic and other equipment, as well as Fuji's east coast Minilab training center, previously located in Elmsford, N.Y., and a new warehouse area.

John G. Frayne Wins Oscar

John G. Frayne, former president of the SMPTE (1955-1956), has received the Gordon E. Sawyer Award (an Oscar), a special accolade conferred by the Academy of Motion Picture Arts and Sciences for his many technological contributions to the motion-picture industry. The award was presented at the 56th Annual Scientific or Technical Awards banquet on March 31 at the Beverly Hilton Hotel, Beverly Hills, Calif.

John G. Frayne

The Gordon E. Sawyer Award is the third Academy Award presented to Dr. Frayne. He received the first in 1941 for his development of the integrating sphere densitometer, and the second in 1953 for basic work on the intermodulation technique of distortion measurements. An Honorary Member of the SMPTE, he received the Progress Medal Award in 1946 and the Samuel L. Warner Memorial Award in 1959.

Dr. Frayne, who will be 90 years old on July 8, has achieved worldwide recognition for his pioneering work in sound recording.