

Biographical Notes



H. M. Gurin

H. M. Gurin retired in February 1969 as Staff Engineer at the RCA Space Center in Princeton, NJ, after more than 34 years with RCA, including ten years at the Space Center. Prior to joining the Space Center he was on loan to Radio Free Europe in Munich, Germany, for one year. During that time he was responsible for a plant expansion program covering 26 shortwave, relay and broadcast transmitters as well as antennas for 22 studios. Mr. Gurin was active in television and broadcasting at National Broadcasting Co. where he engaged in research and development programs in color television. While at NBC he developed special studio lighting equipment and instrumentation for color and monochrome television and also established acoustical criteria for NBC TV broadcast and recording studios.

He was graduated from New York University in 1936 with the degree of Bachelor of Science in Mechanical Engineering (with honors). Following graduation he attended Columbia University for post-graduate studies.

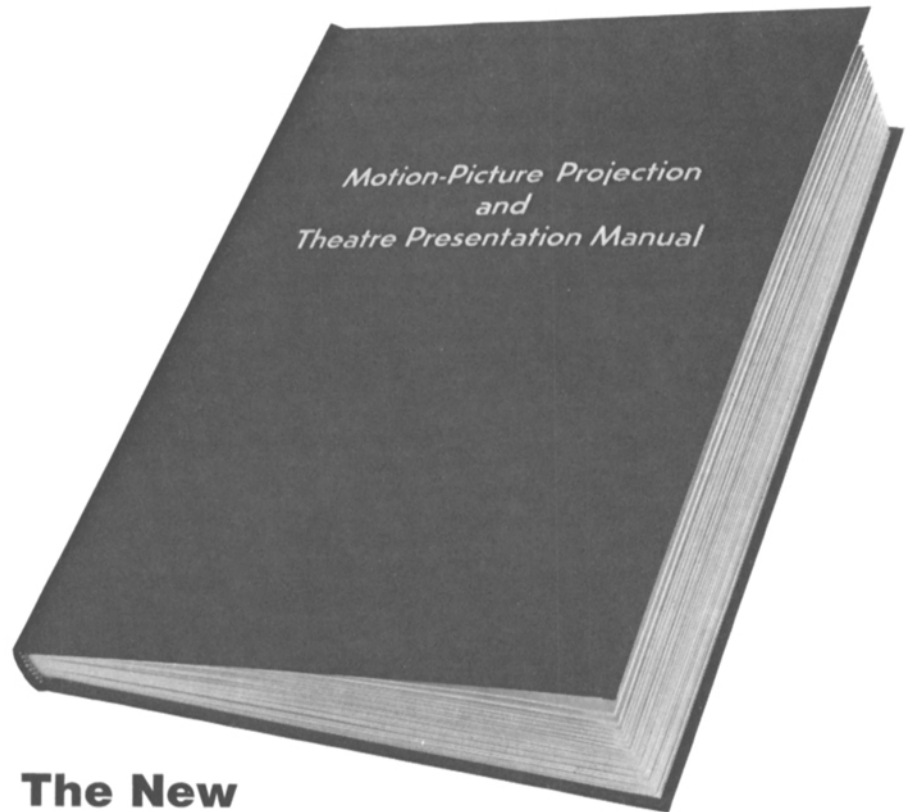
During World War II he was a Laboratory Officer at the Material and Science Laboratory for the U.S. Navy where he was responsible for research and development programs in shipboard communications, applied mechanics and metallurgy.

Mr. Gurin's retirement at the age of 55 by no means indicated that he is "headed for the pasture," he said. He explained that he decided to retire in order to start a new career—that of Executive Officer of the American Astronomical Society, 211 Fitz Randolph Rd, with headquarters in Princeton, NJ 08540—an organization with some 2,500 astronomers from universities and observatories on the North American continent.

Mr. Gurin has been a member of the Society since 1948 and he was made a Fellow in 1956. He has been very active in Society affairs and has made many contributions to its progress by his service on a number of committees, including the Television Studio Lighting Committee (of which he was Chairman in 1956 and 1957), the Standards Committee and the U.S. Committee of the International Commission on Illumination, on which he has served as Chairman.

He has authored a number of papers on television and studio lighting. Papers that have appeared in the *Journal*, include

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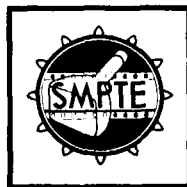
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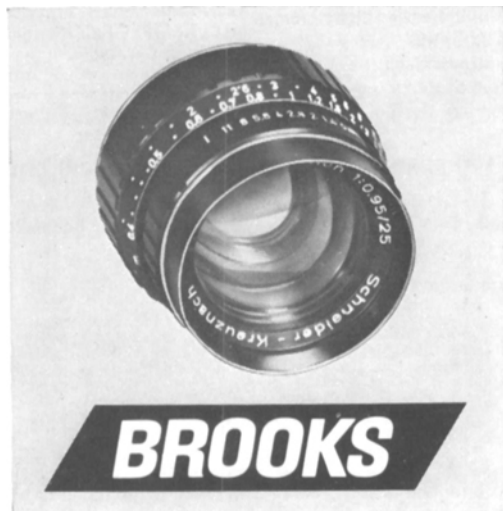
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"Color Television Light Sources" (August 1954) and "Lighting Methods for Television Studios" (December 1950). He presented reports on the work of the Television Studio Lighting Committee which appear in the February 1955 and June 1955 issues of the *Journal*.

Organizations, other than the Society, of which he is a member, include the American Association for the Advancement of Science and the Acoustical Society of America. He is an Associate Fellow of the American Institute of Aeronautics and Astronautics (AIAA) and he has served as the Associate Editor of the *AIAA Journal of Spacecraft and Rockets*. He is also Editor of the *Bulletin of the American Astronomical Society*.

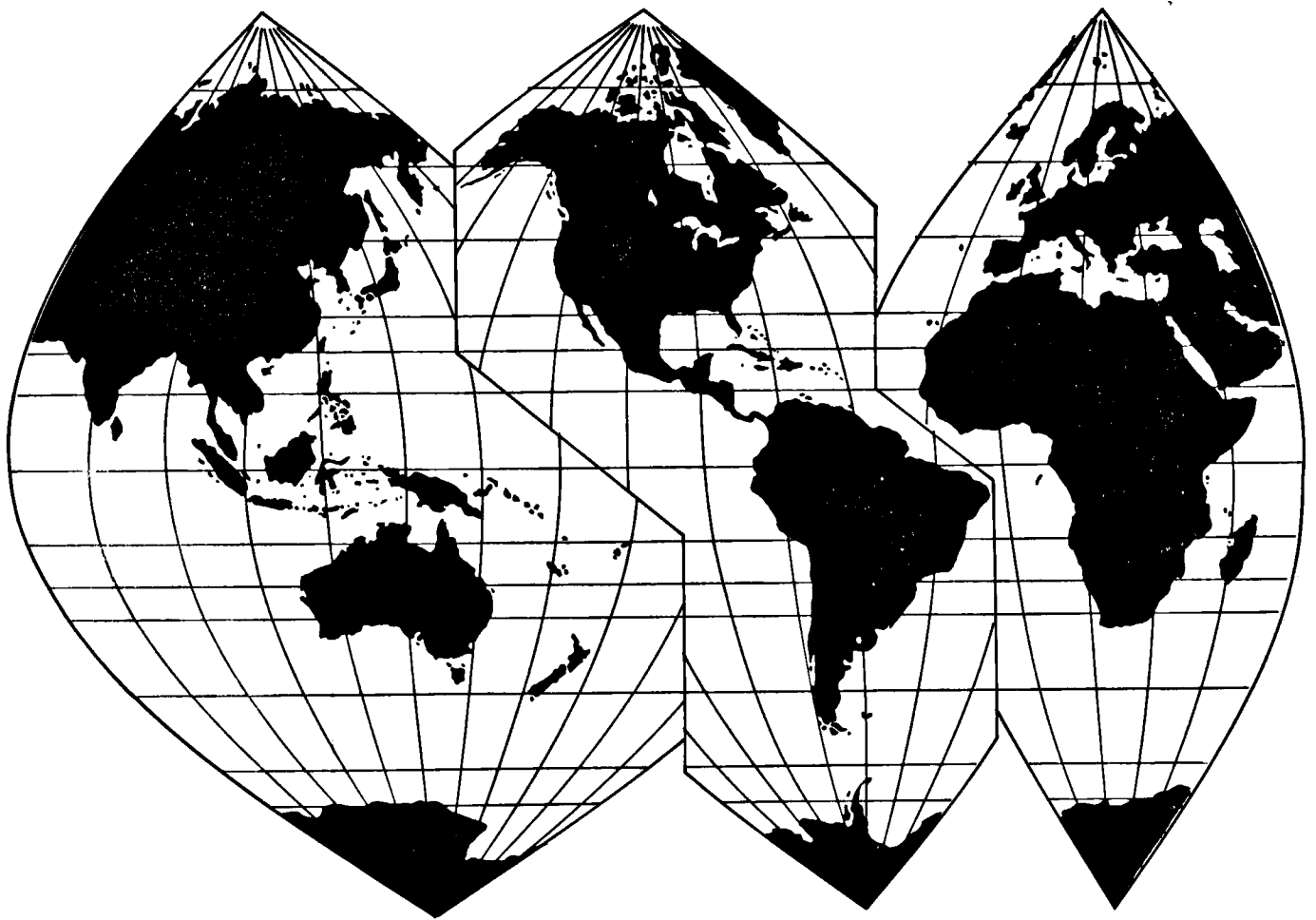


Ivor B. M. Lomas

Ivor B. M. Lomas, who recently rejoined Film House Ltd., 22 Front Street West, Toronto, Canada, as Technical Director of the Laboratory, has had an unusually extensive, albeit highly specialized, career in the processing of color films. During the 38 years in which he has been actively engaged in the furtherance of the art and science of color motion pictures, he has received many honors, including a Fellowship in the Royal Photographic Society for his original work in color-masking Kodachrome prints.

Mr. Lomas was educated in a British public school and London University. He also attended a technical college in the evenings. He joined Kodak Ltd. in London in 1931. In 1937 he joined Technicolor Ltd. in England and in 1952 he became Technical Manager of Colour Films Services Ltd. In 1955 he went to Canada where he joined Crawley Films Ltd. of Ottawa as Laboratory Manager and Director of Technical Quality Control. He was also Technical Director of Ferrania's Canadian subsidiary of Vidicon Corp., later acquired by 3M Company. He then moved to St. Paul, MN, where he became Manager of Motion-Picture Technical Services with 3M Company. He was engaged by the National Film Board of Canada as a consultant on color control during reorganization of laboratory operations.

He was awarded the Fellowship in the Royal Photographic Society in 1954 and in 1957 the British Kinematographic Society (the present British Kinematography Sound and Television Society) made



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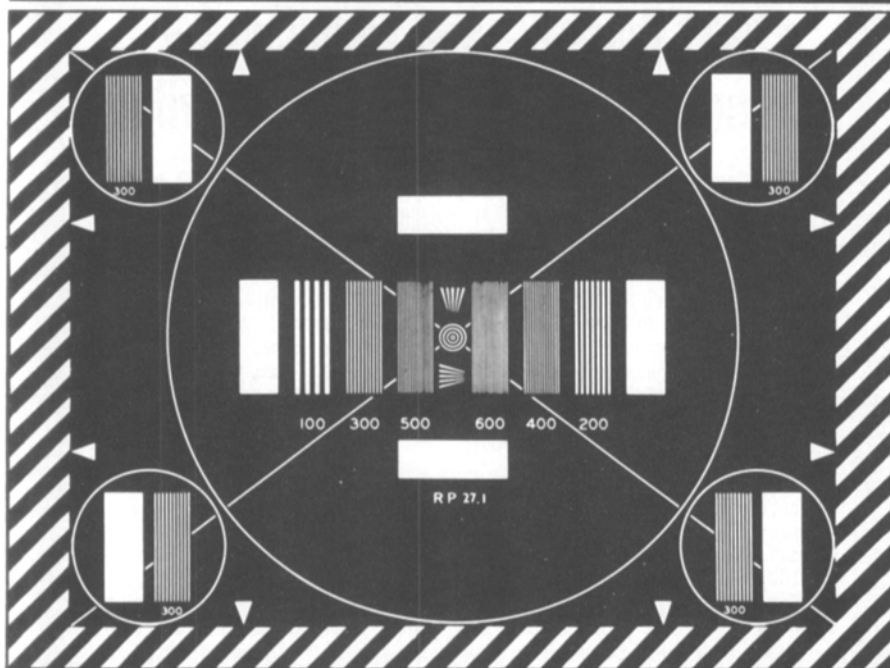
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him a Fellow for his work of 20 years in "consistently improving the standards of laboratory work in the processing of color films."

He conducted several courses on color film processing and sensitometry which were sponsored by BKSTS and he delivered a number of lectures on color film processing before that society. His contributions to the education of younger engineers and technicians also included services as lecturer on applications of motion-picture techniques at Acton Technical College from 1949 to 1952.

He is the author of a number of technical papers on color film processing and related subjects, some 90 of which have appeared in British and Canadian technical journals.

Mr. Lomas joined the Society in 1957 and he was a Manager of the Canadian Section for the 1957-58 term. Among activities in behalf of the Society, he served on the special subcommittee of the Laboratory Practices Committee that prepared *Control Techniques in Film Processing* published by the Society in 1960 (second printing, 1965).

Homer G. Tasker

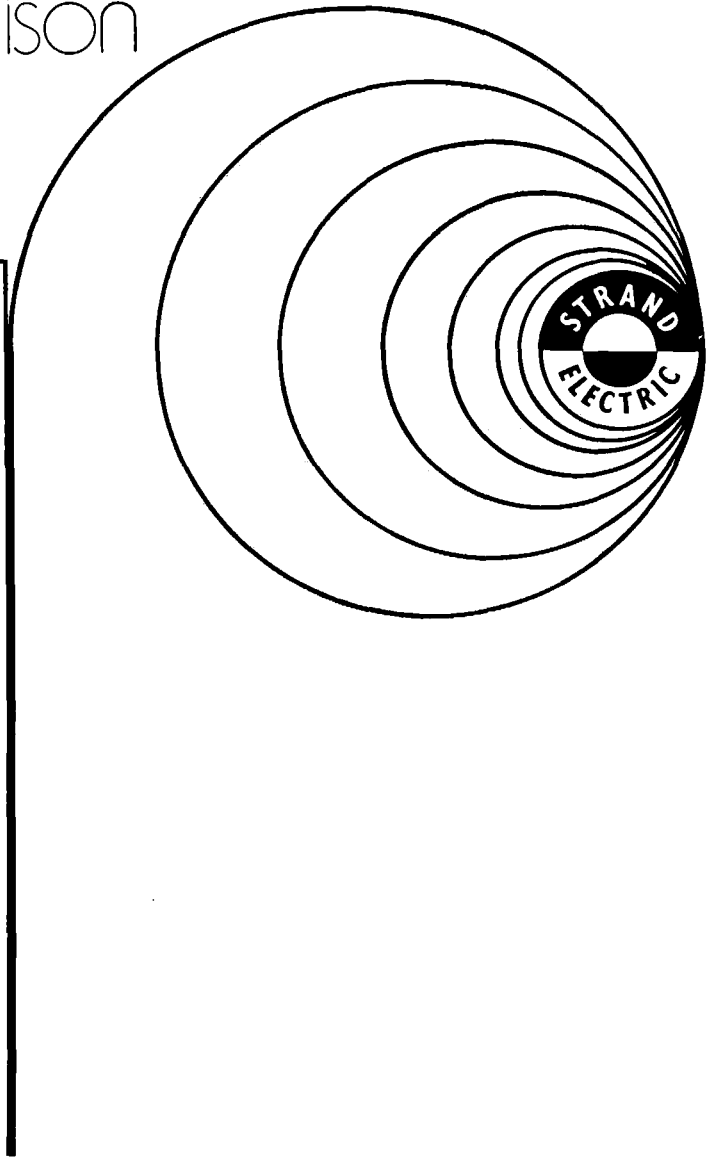
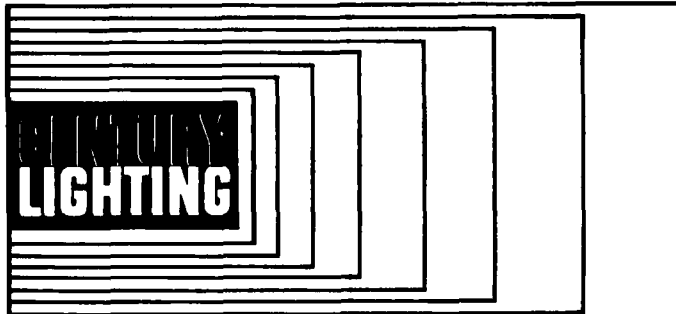
Homer G. Tasker, Founder and Chief Scientist of Tasker Industries, can look back on half a century of scientific achievement. He was graduated in 1919 from Willamette University with the degree of Bachelor of Arts in Mathematics and Physics. Following graduation from Willamette University he became a Teaching Fellow at the University of California. Two years later he was appointed a Whiting Research Fellow and in 1922 he was granted the degree of Master of Arts in Physics. Now, at an age which most people regard as being in the leisure years, he is looking forward to accomplishing new projects.

The list of his inventions is impressive, beginning with the Begohmeter which he invented while serving as Chief Toll Transmission Engineer (1922-27) with Pacific Telephone and Telegraph Co., in Los Angeles. He also designed long distance toll cable systems. In 1927 he accepted a post with Warner Bros. (including Vitaphone Corp.) where he was Chief Sound Equipment Engineer. For the following 17 years he was associated with all phases of sound engineering relating to sound recording quality for the motion-picture industry. In addition to Warner Bros., he was employed by United Research Corp., Universal Pictures and Paramount Pictures. During that time he initiated several inventions relating to sound recordings, sound film processing and acoustics that resulted in estimated savings to each company of about \$500,000 annually.

In 1942, Mr. Tasker became affiliated with Gilfillan Bros., Inc., (now ITT Gilfillan) and in 1956 he founded and became the first President of Tasker Industries.

His many patented inventions include a system for measurement of electrical resistance (1929), signal translating and correcting system (1935), signal reproducing

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Homer G. Tasker (L) in conversation with antenna designer. A radar antenna pedestal, shown in the background, supports two Lewis Scanner antennas.

system (1935), electrical network (1936), film magazine (1936), wrapper (1942), a tape-driving system for magnetic sound-recording machines (1944), method and apparatus for air traffic control (1962) and

simultaneous equation solver (1964).

Mr. Tasker joined the Society in 1931 and has participated actively in Society affairs. He served as SMPE President for the 1934-36 term of office and he served on

the Board of Governors for five years. He was also Chairman of the New York Chapter and officiated at various Conferences. His Conference activities include chairmanship of the Local Arrangements Committee at the 1939 Spring Conference in Hollywood. He also served on the Admissions Committee (West Coast) beginning in 1940. He was a member of the Sound Committee on which he served as Chairman for the term beginning in 1941.

Mr. Tasker's publications include a number of technical papers on air traffic control. He is the author of a nontechnical paper, "Current Developments in Production Methods in Hollywood," written in an informal, conversational style, although very informative, which appeared in the January 1935 issue of the *Journal*. He is also author of a paper which appeared in the *Journal of the Franklin Institute*, during 1922, "Cathode Ray Tube With Electrostatic Focusing," which is believed to be the earliest known disclosure of the electron gun concept.

Organizations other than the Society of which Mr. Tasker is a member include the Royal Society of Arts, of which he is a Life Member, Acoustical Society of America, of which he is a charter member, Society for Information Displays, American Physical Society and the Institute of Electrical and Electronics Engineers.

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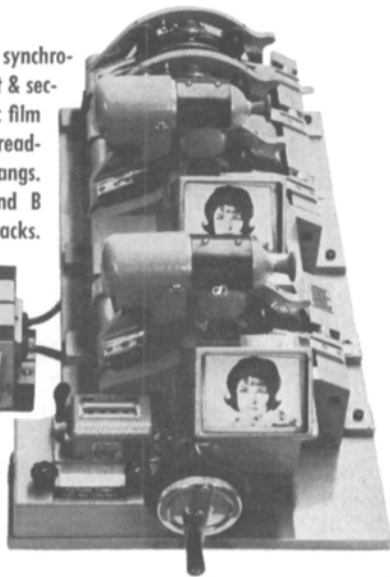
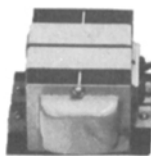
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