

**J. Kenneth Moore**, vice president and general manager of CBS Technology Center in Stamford, CT, died suddenly on February 21st while working in his office. He was 48 years of age. As a physicist, Mr. Moore was well known in the scientific community for his work in television broadcasting technology, laser image scanning and recording, electronic character generation for display and electronic photocomposition. Among the patents he held were those for a digital noise reduction system for color television, which enables the broadcaster to eliminate most of the streaking, "snow," and other interference formerly transmitted to the home screen, an image-scanning apparatus for graphic arts and electronic generation of alphanumeric characters for visual display.

Mr. Moore joined CBS in 1957 and served as director of advanced television technology until his recent appointment in 1978. He was educated at Williams College where he graduated cum laude, earning B.A. and M.A. degrees in physics.

As coinventor of the digital noise reducer for color television, Moore earned an Emmy Award in 1978 from the National Academy of Television Arts and Sciences for "outstanding achievement in engineering development." The most recent development in which he played an important role was CBS's Actiontrak,™ which provides viewers with stroboscopic stop-action pictures that chart the path of balls and other moving objects during sports events, providing unusual pictorial displays. He was the author of technical articles and a member of several professional societies.

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**David S. Rossin**, AES member, was



J. Kenneth Moore

killed in an airplane crash 1978 June 22. He was 31 years of age. He had worked in the field of audio for some 10 years and, at the time of his death, was president of David Sound Recording, Ltd. in Philadelphia, PA.

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**Clarence C. Moore**, founder and president of Crown International, Inc., died 1979 January 24 at the age of 74. His primary impact in the field of audio was in the development of the first tape recorder which included a power amplifier, the invention of the cubical quad antenna system, the creation of the first 1/4-inch, 4-channel recorder and the introduction of the first solid state power amplifier.

Mr. Moore was educated at Marion College where he earned a bachelor's degree. He later studied clinical psychology at the University of Notre Dame. A deeply religious man, Moore became a minister in a small rural community shortly after college. In the early 30s his radio hobby led him to the development of a special field winding coil so his ham radio operation would remain unaffected by the variances in voltage created by the generator in his home. In 1937 he learned of a similar problem experienced by a missionary group in Ecuador. He volunteered to

take his device along with his family to South America to assist the group.

During the late 30s Moore grappled with the implications of altitude on short wave broadcasting. The problems of rarefied atmosphere and high humidity created problems of arcing from the antenna ends. In answer to this problem, he developed the nonvoltage or loop antenna. In the early 40s he returned to the U.S. and worked as a consultant.

Together with his wife, Ruby, Moore started a manufacturers' representative firm in the late 40s. Some of their early lines included Magnacord, Crestwood and Pentron. During this time, International Radio & Electronics Corporation was incorporated; it was later to become Crown International, Inc.

Moore's contact with Christian missionary groups was instrumental in his development of a tape recorder which included a 15-watt power amplifier. In addition, he invented a special tone control circuitry so the unit could be used as a public address system. As the demand for this new recorder increased, Moore started the Crown line of audio products. Working from a small farm building in 1950, he continued both his manufacturing and research. In the late 50s he started a radio station in Elkhart, Indiana, and began working on the first stereo 2-channel recorder.

In the mid 60s Crown International (then IREC) developed a vacuum tube amplifier, which became the forerunner of the model SA 30, the first solid state amplifier with a 1 3/4-inch height.

Those in the audio industry will remember his hard work, enthusiasm and active involvement. Those who knew him will not forget his dedication to his family and his church.