National Association of NAB BROADCASTERS
Radio TechCheck
THE WEEKLY NEWSLETTER FOR RADIO BROADCAST ENGINEERS

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LOUIS KING AND VICTOR TAWIL TO RECEIVE 2007 NAB ENGINEERING ACHIEVEMENT AWARDS

RADIO ENGINEERING ACHIEVEMENT AWARD WINNER LOUIS A. KING

From the time that he built his first crystal radio set at a young age to the receipt of his amateur radio license, Louis King was destined to make his mark on the broadcast world. Following completion of his BS degree in Electrical Engineering at the University of Tennessee and his MS degree (also in EE) at the University of Missouri where he received his first patent (for a pulse transformer design), Mr. King became a professor in the electrical engineering department at Clemson College (now Clemson University), where he instituted the teaching of radio engineering courses. Subsequently, he moved to Haddonfield, New Jersey to work for the Radio Corporation of America (RCA) in 1945.

Mr. King was instrumental in the design of the first air-cooled 50kW AM transmitter at RCA and received the patent for the bistable multi-vibrator, which was better known as the flip-flop circuit commonly used as the basic switching device in early computers. Following four very productive years at RCA, Mr. King returned to Tennessee in 1949 where he obtained his PE license (in Tennessee and Virginia) and began a broadcast consulting business. It was here in the early 1950's that Mr. King started manufacturing AM broadcast antenna systems and components.

The vision that started at that time has grown into what is now known as Kintronic Laboratories (www.kintronic.com), an RF equipment manufacturer with customers in all 50 states and in over 100 countries, and for which Mr. King still serves as Chairman of the Board. As an inventor, educator, consulting engineer and manufacturer Louis King has made numerous outstanding contributions to the radio broadcast industry that have helped make it what it is today. Mr. King is a life member of the Institute of Electrical and Electronics Engineers (IEEE).

TELEVISION ENGINEERING ACHIEVEMENT AWARD WINNER

VICTOR TAWIL

For nearly two decades, Victor Tawil has been a technical leader in broadcast television engineering. Mr. Tawil is Senior Vice President of the Association for Maximum Service Television (MSTV, www.mstv.org), providing technology and telecommunication policy guidance and support to MSTV and its more than 400 member television stations.

Mr. Tawil's contributions to the ongoing advancement and improvement of broadcast television are significant. His leadership and technical expertise in the field of RF spectrum allocation engineering was instrumental in forming the basis for the table of DTV channel assignments. He has been a leader in conducting research and testing, including RF modulation techniques for DTV, and technical transmission improvements for television broadcasters. He also served as Chairman of the Digital Television Station Project (WHD-TV), sponsored by the television and consumer electronic manufacturing industries, a test bed project

for evaluating performance and interoperability of DTV station production and transmission equipment.

Prior to joining MSTV in 1988, Mr. Tawil was with the FCC for fourteen years. He held various positions in a number of Bureaus and the Office of Science and Technology, specializing in the field of spectrum management, tropospheric propagation and system engineering. He has worked extensively in the areas of broadcasting, satellite, wireless communications and new communication technologies. During his tenure at the FCC, he served as a U.S. delegate on a number of International and ITU Plenipotentiary Conferences and bilateral negotiations.

Mr. Tawil holds an MSE in Electrical Engineering from the University of Rochester and a BSE from New York University. He is a member of the International Union of Radio Scientists (URSI), Institute of Electrical and Electronics Engineers (IEEE), the Society of Motion Picture and Television Engineers (SMPTE) and Tau Beta Pi, the national engineering honor society. He is currently a member of the Board of Directors of the Advanced Television Systems Committee (ATSC).

Don't Miss the Opportunity to Learn If Your AM DA is Ready for HD Radio

There are still a few slots available for NAB's AM Directional Antenna Seminar at NAB headquarters on March 5–6. The seminar was specially developed to instruct broadcast engineers on how to prepare their AM stations for HD Radio™. There is no similar educational opportunity for engineers to learn the proper techniques to maintain complex AM antenna systems ensuring that their stations comply with the FCC rules and enjoy optimum coverage and fidelity. Ronald Rackley, a principal in the firm of Du Treil, Lundin & Rackley, Inc. Consulting Engineers and Ben Dawson, President/Senior Electrical Engineer of Hatfield and Dawson of Hatfield and Dawson, will teach the course. Together they have collaborated to instruct the next generation of AM broadcast engineers and pass along the art of AM directional antenna system design and maintenance. They were awarded NAB's highest engineering honor in 2006, the NAB Engineering Achievement Award for Radio. For more information on how to register and housing go to AM DA Seminar information on the NAB Website or contact Sharon Devine sdevine@nab.org or (202) 429-5338.

NAB Radio and Television Station Member Lounge

Sunday, April 15, 2:00 pm - 5:00 pm
Monday and Tuesday, April 16-17, 8:00 am - 6:00 pm
Wednesday, April 18, 8:00 am - 12 noon

Room N243, Las Vegas Convention Center

The NAB Radio and Television Station Member Lounge is open to Radio and Television Members. Stop by to learn more about how NAB membership can work for you and visit with NAB membership and NAB Education Foundation representatives while you take advantage of these exclusive services:

- Relax between sessions and exhibits
- Network with other broadcasters
- Plan your next move
- Reserve a private meeting room (call 800-455-5394)
- Access wireless Internet