**Antler Lecture 2003**

**42 Volt Challenges: Technical Potholes on the Highway to Success**

By Norman L. Traub

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Norman L. Traub was named Director of 42 Volt Initiatives for SAE International on February 1, 2001. He was subsequently named Director of Electrical Initiatives in February, 2003. Traub has lectured extensively on 42V electrical systems, including the SAE World Congress, International Power Electronics Conference, International Society of Automotive Transportation and Technology, IEEE Workshop on Power Electronics in Transportation and two international congresses on 42-V PowerNet. He was the moderator for 42-V Executive Panel sessions held during SAE World Congresses in 2001, 2002 and 2003. Global journalists from England, France, Germany and the USA also have interviewed Traub for his technical expertise and insight. Currently, Traub holds the position of chairman of the 42-V Battery Connection System Specification Workgroup, a multi-national standards workgroup of vehicle manufacturers, battery suppliers and connection companies. He is a member of the MIT/Industry Consortium on Advanced Automotive Electrical/Electronic Components and Systems (50 multi-national companies). He is also the chairman of the SAE 42V Advisory Committee. Traub began his career at the General Motors Research Laboratories in 1967 as a senior engineer in the electrical engineering department, where he became the holder of four U.S. patents and numerous research reports/publications in the areas of automotive multiplexing, large industrial drive systems, electric cars and automotive safety/security systems. In 1978, Traub transferred to the former Packard Electric Division of GM in Warren, Ohio. His promotion to senior staff engineer in 1990 resulted in his assignment as head of the Systems Development Center. In 1996, Traub was appointed technology integration manager at Delphi Automotive Systems, Packard Electric Division. Traub received his bachelor’s degree in electrical engineering from Valparaiso University and his master’s degree in electrical engineering from Michigan State University.