



IEEE UNITED STATES ACTIVITIES

# 1991 REPORT



THE INSTITUTE OF ELECTRICAL  
AND ELECTRONICS ENGINEERS, INC.

A YEAR IN PICTURES



January: Michael J. Whitelaw, P.E. begins his second year as IEEE Vice President of Professional Activities. In 1990-91, Mr. Whitelaw also served as chairman of the IEEE United States Activities Board, which promotes the career and technology policy interests of almost 250,000 U.S. IEEE members.



January: Dr. Arvid G. Larson (far right), chairman of the IEEE United States Activities Technology Policy Council, is interviewed on dual-use technology at the Washington, DC, bureau of Cable News Network. In November 1991, Dr. Larson was elected 1992 IEEE Vice President of Professional Activities.



February: Dr. Lawrence P. Grayson (second from left), president of "Engineers for Education," presents President Bush with a scroll containing the signatures of the leaders of 45 national engineering societies — including IEEE, pledging their support to the nation's largest private sector educational outreach effort. Looking on are: Robert D. Kennedy (far left), chairman and chief executive officer of Union Carbide; and Admiral James D. Watkins (Retired) (far right), U.S. Secretary of Energy. Dr. Grayson also served as 1990-91 chairman of IEEE-USA's Congressional Fellows Committee, which selects accomplished members to advise policymakers in national government.



February: Merrill W. Buckley, Jr. (left), 1992 IEEE President, and Dr. Edward C. Bertnolli, chairman of IEEE-USA's National Government Activities Committee, attend a White House briefing on precollege mathematics and science education during National Engineers Week. Dr. Bertnolli serves as chairman of orientation and training in the "Engineers for Education" program, launched in February 1991 to attract 100,000 volunteer engineers.



March: Dr. Steinar J. Dale, a former IEEE-USA Congressional Fellow, delivers testimony before the House Subcommittee on Commerce, supporting an increase in Fiscal Year 1992 funding for the Commerce Department's National Institute of Science and Technology.

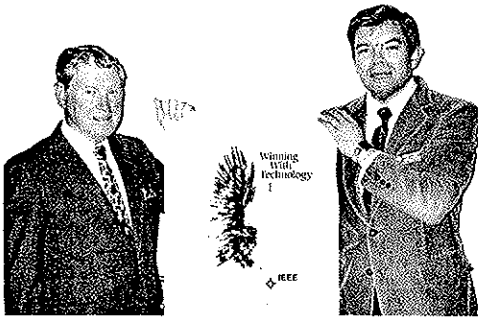


March: Robert S. Powers (left), chairman of the Committee on Communications and Information Policy, chats with Ken P. Davies, a director of standards and technology and featured speaker at Digital Systems Information Exchange II in Washington. IEEE-USA gathered almost 100 representatives from industry and government to discuss issues surrounding the development of digital television. Later in 1991, former IEEE President Charles A. Eldon testified before a House subcommittee on the need for the United States to stay competitive in the field of microelectronic components.

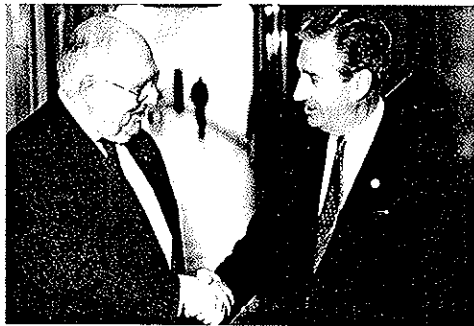


April: IEEE-USA's Committee on U.S. Competitiveness publishes a 19-page practical guide for members, industry leaders, policymakers and media on "How the United States Can Compete in the World Marketplace." Committee Chairman Edward J. Doyle urged enactment of R&D tax credits, preferential treatment for capital gains, and support for industry-university cooperative programs.

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April: Leo C. Fanning (left), IEEE Staff Director of Professional Activities, and Mr. Whitelaw display a replica of the full-page *Wall Street Journal* and *Washington Post* advertisement praising the technological contributions of U.S. electrical, electronics and computer engineers. The IEEE-USA "Winning With Technology" ad was circulated to more than two million readers and was widely praised by members and policymakers for helping to focus the nation's attention on "winning the economic war."



May: John G. Guarrera (left), former IEEE president and member of IEEE-USA's Pensions Committee, greets Representative William J. Hughes (D-NJ) in the Longworth House Office Building in Washington. Mr. Hughes is a cosponsor, with Representative Sam Gibbons (D-FL), of the Pension Coverage and Portability Improvement Act of 1991, H.R. 2390, endorsed by IEEE-USA.



May: Representative Robert W. Davis (R-MI) (left) meets with Dr. Martha Sloan, a member of IEEE-USA's Pensions Committee. Dr. Sloan, elected in November 1991 to become 1993 IEEE President, encouraged her congressman to support IEEE-USA-backed legislation expanding pension coverage, improving the portability of benefits when workers change jobs, and increasing individual savings for retirement.



June: David M. Ostfeld, chairman of the Intellectual Property Committee, participates at a hearing of the U.S. Patent and Trademark Office in Washington. IEEE-USA successfully opposed a proposed patent fee hike that would have increased small entity fees by 91 percent.



June: Eric E. Sumner, 1991 IEEE President, and Mr. Whitelaw display IEEE-USA's "Strength Through Technology" poster unveiled at the Board of Directors' meeting in San Francisco. Whitelaw told the IEEE Board: "The United States will reclaim its role in the world market as a top competitor, if the same commitment that was applied to military high technology is applied to commercial products and services." The poster was distributed to policymakers, industry leaders, academicians, students and media.



June: 1992 IEEE President Buckley (at podium) addresses almost 50 media at the National Press Club in Washington during an IEEE-USA news conference calling for a scaled-down version of the space station. A *New York Times* editorial praised IEEE-USA for its support of a "potentially more capable station devoted solely to biomedical studies." Also addressing the media were: George C. Sponsler, Jr. (left), chairman of the Aerospace R&D Policy Committee; and Dr. Larson.



July: Mona K. Draper (far right), a member of the IEEE-USA Pensions Committee, testifies before the U.S. Senate Committee on Finance in support of a proposal that would permit all taxpayers to contribute up to \$2,000 a year to individual retirement accounts (IRAs).

## A YEAR IN PICTURES



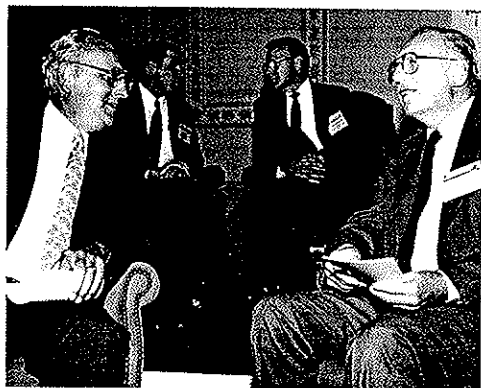
July: Ms. Draper, who resides in Metairie, LA, meets with Senator John B. Breaux (D-LA) seeking support for the IEEE-USA-backed IRA proposal.



August-September: More than 200 members and their guests attend IEEE-USA's PACE Workshop convened over the Labor Day Weekend. The 1991 meeting, held in Philadelphia, focused on "Engineering Careers in the 1990s." Guests of members receiving awards are shown in the front rows.



September: Dr. Eleanor R. Adair of Yale University receives IEEE-USA's Award for Literary Contributions Furthering Public Understanding of the Engineering Profession from Mr. Whitelaw at the PACE Workshop. Dr. Adair, a member of the Committee on Man and Radiation, was recognized for her paper on health effects of electric and magnetic fields, titled "'Currents of Death' Rectified."



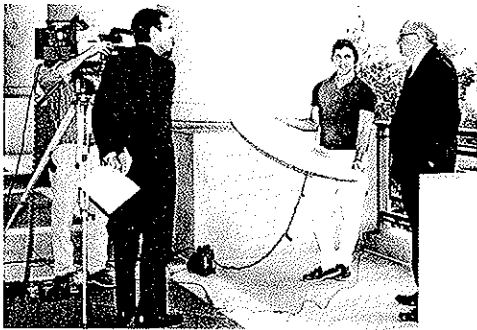
September: William D. Whipkey of Westminster, CO (left), and William R. Tackaberry of Madison, NJ (right), are among three to receive IEEE-USA's Citation of Honor for distinguished service presented at the PACE Workshop. Richard B. Marsten of Kensington, MD (not pictured), also received the citation.



October: Dr. Thomas Cannon of Sandia National Labs answers questions following a presentation on "Teaching Engineers to Be Technical Leaders," at the IEEE-USA Seventh Biennial Careers Conference in Denver. The event attracted more than 100 engineering managers, engineers and scientists, human resource professionals and researchers, and media.



September: Richard Harris (right), science correspondent for National Public Radio, is recognized by IEEE-USA for "his balanced five-part series on electromagnetic fields."



October: Representative George E. Brown, Jr. (D-CA) (far right), chairman of the House Committee on Science, Space and Technology, is interviewed on the Institute's Congressional Fellows Program as part of an eight-minute videotape prepared for IEEE members and members' employers. Two IEEE-USA Congressional Fellows began their assignments in Washington in 1991: *Don L. Willyard, P.E.* of Allied-Signal Aerospace Co., who worked on the personal staff of Representative Steven H. Schiff (R-NM); and *Dr. Dave K. Sharma, P.E.* of the Electric Power Research Institute, who worked with Senator Wendell H. Ford (D-KY), the Senate Majority Whip.



October: 1991 IEEE President Sumner (center) and 1992 President Buckley (left) meet with Dr. D. Allan Bromley, assistant to President Bush for science and technology, in Dr. Bromley's White House office, to discuss enhancing U.S. competitiveness. Earlier, the Presidential Science Adviser accepted IEEE-USA's Distinguished Public Service Award from Mr. Whitelaw and Don S. Brereton, chairman of the Awards and Recognition Committee.



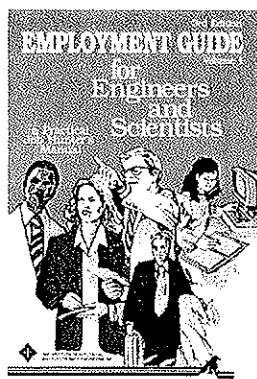
November: Dr. Joseph Bordogna (left), assistant director of engineering for the National Science Foundation and an IEEE Fellow, answers questions from IEEE-USA Technology Policy Council Members' Marsten (center) and Larson (right), following Dr. Bordogna's presentation at the U.S. Policy for Competitive Technology Development Symposium in Washington.



December: 1992 IEEE President Buckley (far right) joins (left to right) H. Warren Cooper, III, John J. Slattery, Joseph Lockard, and Frederick G. Suffield at the Historical Electronics Museum in Baltimore. More than 100 individuals gathered to celebrate the 50th anniversary of the successful detection with radar of the attack on Pearl Harbor. Messrs. Slattery and Suffield, both IEEE Fellows, were responsible (respectively) for the design and testing of the SCR-270 radar. Mr. Lockard was the operator who sighted the incoming planes but whose warning went unheeded.



December: IEEE-USA staff lobbyists list major accomplishments for 1991 including: introduction of IEEE-USA-supported pension legislation; passage of the High Performance Computing and National Research and Education Network Act; and opposition to government limits on participation of Federal employees in professional societies' activities. Shown left to right are: Vin O'Neill, Jim Ferguson, Deborah Rudolph, Chris Brantley, Scott Grayson and Tom Suttle. Also, in December, IEEE-USA's public relations campaign to promote U.S. competitiveness through development of high technology products and services received high honors from the International PR Association in Geneva.



December: IEEE-USA publishes a third edition of its *Employment Guide for Engineers and Scientists: A Practical Job Hunter's Manual and Directory of Employers*. The IEEE-USA Employment Assistance Committee also oversaw almost 50 job fairs nationwide, including sessions on how to get a job.



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IEEE-USA Office  
1828 L Street, N.W., Suite 1202  
Washington, DC 20036-5104, USA  
Telephone (202) 785-0017

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