

**1990 REPORT**

**IEEE UNITED STATES ACTIVITIES**

**A YEAR IN PICTURES**



**THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.**



**MAY:** Speaker of the House Thomas S. Foley (D-WA) (at lectern) speaks at Capitol Hill ceremonies (underwritten in part by IEEE) honoring Philo T. Farnsworth, an IEEE Fellow who has been called the "Father of Television." IEEE-USA Awards Committee Chairman Don S. Brereton represented the Institute at the special unveiling of the bronze statue of Farnsworth. The statue was commissioned following a campaign of elementary school students in Salt Lake City.

**JULY:** IEEE-USA National Government Activities Chairman Edward C. Bertnolli called for Federally-funded job search assistance for electrical and electronics engineers, in testimony to the House Armed Services Subcommittee on Investigations. Dr. Bertnolli testified: "There is a widely held misconception that electrical engineers are in such great demand that finding another job should not be difficult. Reality proves otherwise."



**JUNE:** Senator Orrin G. Hatch (R-UT) (left) meets with IEEE 1990 President Carleton A. Bayless in the Capitol Rotunda. Mr. Bayless presented the Senator with a mounted version of the electrical engineers' stamp showing Steinmetz, Tesla, Armstrong, and Farnsworth, after viewing the recently unveiled statue of Farnsworth in the Rotunda. The IEEE President met earlier with Bob Davis, a staff writer for *The Wall Street Journal*, to discuss the increasing influence of engineering worldwide.

**JULY:** Representative Bill Green (R-NY), ranking minority member of the House Appropriations Subcommittee on VA, HUD, and Independent Agencies, tells IEEE-USA Aerospace R&D Policy Committee members and media at the National Press Club: "NASA has too many items on its plate. It is time to recognize that there are limits to what the space program can accomplish in an era of \$169 billion deficits."

**JULY:** Attending the IEEE-USA Board Operating Committee meeting in Washington are, left to right: Michael J. Whitelaw, IEEE-USA Board Chairman; Marc T. Apter, Chairman, National Capital Area Council; Rose Apter; and Jack Lubowsky, IEEE-USA Government Activities Council Chairman.





**MARCH:** Representative George E. Brown, Jr. (D-CA), Chairman of the House Committee on Science, Space, and Technology, responds to a question from *IEEE Spectrum* Associate Editor Erin E. Murphy, prior to a briefing of the IEEE-USA Aerospace R&D Policy Committee at the National Press Club in Washington. Mr. Brown called on IEEE-USA to support an "ambitious space program that will help the United States regain its competitive position in key trade and technology areas."



**MAY:** Eduardo Lachicha (left), staff writer for *The Wall Street Journal*, interviews IEEE-USA Employment Assistance Committee members in the IEEE-USA Office. Committee members Richard J. Backe (center) and Russell C. Drew (right), also a former IEEE President, analyzed the effects of Defense cutbacks on engineering employment.



**MARCH:** Representative Edward J. Markey (D-MA) (far right), Chairman of the House Subcommittee on Telecommunications and Finance, discusses allocation of broadcast spectrum, reregulation of cable television, a national program for seeding emergency technologies, and trade posture with the Soviet Union. IEEE-USA Committee on Communications and Information Policy (CCIP) Chairman Robert S. Powers presides next to Mr. Markey.



**MAY:** IEEE-USA Aerospace R&D Policy Committee Chairman George C. Sponsler, III (right) meets with IEEE-USA Professional Programs Administrator Chris J. Brantley, following testimony to the Senate Appropriations Subcommittee. IEEE-USA praised the President's strong support of advanced technology in the NASA budget request, but criticized an "overemphasis of manned missions in general and the space station in particular."



**Marco W. Migliaro (far left) presents an IEEE participation in International Standards of Commerce in Washington.**



**MAY:** Alexander Vladislaviev, First Secretary of the Board of the USSR Union of Scientific and Engineering Societies (second from right), discusses implementation of a free market economy in the Soviet Union, at a meeting of engineering society representatives in the IEEE-USA Office.



**APRIL:** IEEE-USA CCIP Chairman Robert S. Powers (second from left) presents testimony on reallocation of the government radio spectrum before the House Subcommittee on Telecommunications and Finance.

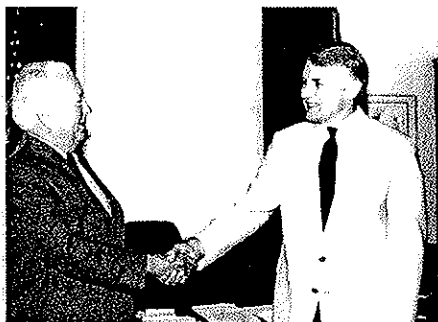


**JANUARY:** Michael J. Whitelaw, PE, begins his first term as IEEE Vice President of Professional Activities and IEEE U.S. Activities Board Chairman. Mr. Whitelaw includes among IEEE-USA's accomplishments in 1990: passage of legislation providing tax deductions for educational assistance; restoration of legislative protections against age discrimination; and recognition of the unit's Congressional Fellows program by the Carnegie Commission as one of "the most helpful and productive."

**FEBRUARY:** Two college seniors, Brian James Conjelko (left) of Johnstown, PA; and Bruce Maxwell of Kokomo, IN, are selected by IEEE-USA to participate in the Washington Internships for Students of Engineering (WISE) program. Conjelko is an electrical engineering major at the United States Military Academy; Maxwell is an electrical engineer and political science major at Swarthmore College.



**MARCH:** Lily Engstrom, Director of Special Programs and Initiatives, National Institutes of Health (NIH), outlines NIH's research programs at the annual IEEE-USA Electrotechnology R&D briefing. Over 75 IEEE members and media were briefed by Government officials from the Departments of Defense and Energy, NASA, the National Science Foundation, and the National Institute of Standards and Technology.



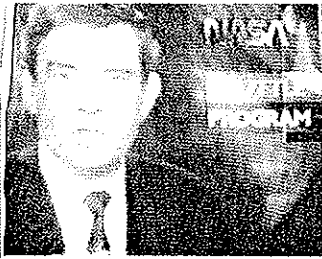
**JANUARY:** Dr. Alfred E. Victor (right), an IEEE Senior Member and Congressional Fellow, begins a year's assignment with Representative Tim Valentine (D-NC), Chairman of the House Subcommittee on Science, Research, and Technology. Philip M. Paterno, also an IEEE Senior Member, served on the personal staff of Representative Don Ritter (R-PA).



**APRIL:** IEEE Standards Director statement on "Improving U.S. Activities," at the U.S. Depa



**MARCH:** The IEEE-USA Precollege Education Committee volunteer leader appears on *Assignment Discovery*, broadcast to some 50 million households on The Discovery Channel. According to the narrator, "Whoever said it was a man's world didn't know Beth Cooper [who] speaks to junior high school students across the country encouraging them to consider careers in engineering."

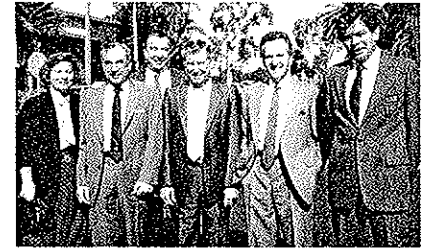


**JULY:** Congressman Green's remarks, which underscored IEEE-USA's position on deemphasizing the space station, were broadcast nationwide on the *CBS Evening News With Dan Rather*.



**NOVEMBER:** Mildred S. Dresselhaus, Institute Professor at the Massachusetts Institute of Technology and IEEE Fellow, chats with colleagues at the Washington reception honoring her as a recipient of the *National Medal of Science*.

**AUGUST:** Some 350 members and guests convene for the IEEE-USA PACE Workshop held over the Labor Day Weekend in Phoenix. With the theme of "Engineers Meeting the Professional Challenges of the 1990s," topics included: the shift from military to civilian technologies and the impact on employment; U.S. competitiveness; environmental concerns; emerging technologies; pension programs; precollege math, science, and technology education; and the engineer's image.



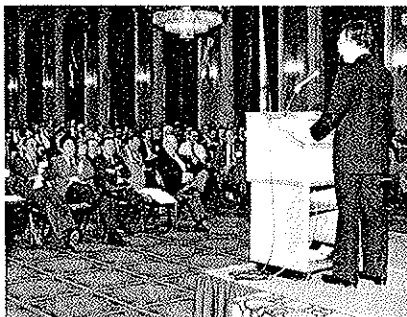
**NOVEMBER:** IEEE-USA Board Chairman Whitelaw (far right) takes a break during the IEEE Board meetings in San Diego. Joining him are (left to right): Mary Alys Lillard and Daniel W. Jackson, IEEE-USA Board members; Thomas W. Bartlett, IEEE Associate General Manager for Finance and Administration; Leo C. Fanning, Staff Director, IEEE Professional Activities; and Joseph M. DeSalvo, IEEE-USA Career Activities Council Chairman.



**SEPTEMBER:** Representative Don Ritter (R-PA) (left) displays the *IEEE-USA Distinguished Public Service Award* presented by Michael J. Whitelaw at the PACE Workshop.



**NOVEMBER:** Chatting at the IEEE-USA Board meeting in San Diego are (left to right): Gerald W. Gordon, Chairman, Career Activities Council; and Robert P. Noberini, Chairman, Professional Activities Council for Engineers.



**OCTOBER:** Robert Bellinger, Managing Editor/*The Profession, Electronic Engineering Times*, addresses delegates on the engineer's image at the IEEE Section Congress 1990 in Toronto. IEEE-USA mounted an exhibit of publications and activities and made several presentations on various aspects of career-related and technology policy activities. And President Bush sent a special message to the delegates saluting "the commitment to technological exchange and development that characterizes IEEE."

**DECEMBER:** Symposium Chairman Walter Gajda (right) talks with Merrill W. Buckley, IEEE 1991 President-Elect (center), and Dr. Arvid G. Larson, IEEE-USA Technology Policy Council Chairman, at a Symposium on Government Policymaking and Technological Competitiveness, sponsored by the IEEE-USA Engineering R&D Policy Committee.



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