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ACTIVITIES

A YEAR IN PICTURES



THE INSTITUTE OF ELECTRICAL
AND ELECTRONICS ENGINEERS, INC.

IEEE-USA

A YEAR IN PICTURES



Defense News' George H. Leopold (left) interviews Dr. John M. Richardson, Chairman of IEEE-USA's Committee on Communications and Information Policy (CCIP). Dr. Richardson led a February 14 workshop in Washington, DC, on supporting a national initiative to revitalize the U.S. electronics industry.

Attended by some 60 participants from industry, government, academia, and the media, the workshop concluded that industry-led consortia are necessary (with government support) to ensure the survival of the U.S. industrial base in electronics. A second workshop was held in Washington on June 26-27, and is summarized in a report titled *Role of a U.S. DRAM Consortium in Revitalizing the U.S. Electronics Base*.

IEEE United States Activities (IEEE-USA) promotes career and technology policy interests of close to a quarter-million electrical, electronics, and computer engineers in the United States. As 1989 IEEE Vice President of Professional Activities and IEEE United States Activities Board (USAB) Chairman, Dr. Edward C. Bernolli directed programs that advance the standing of electrical engineers and ensure the constructive application of technology.



On February 21, during National Engineers Week, 1988 IEEE President Russell C. Drew addresses media at the National Press Club on "Electrical Engineering in the 22nd Century." Earlier, Dr. Bernolli joined Dr. Emerson W. Pugh, 1989 IEEE President, in making several presentations to members at a Honeywell, Inc. Engineers Week observance in Minneapolis.



Dr. Ernest Ambler, Acting Under Secretary for Technology, United States Department of Commerce, delivers the keynote address of the 1989 IEEE Conference on U.S. Technology Policy, held in Washington, on February 21. Some 175 individuals from government, industry, academia, the media, and IEEE attended the conference on "Policy Imperatives for Commercialization of U.S. Technology."



Some 60 IEEE and government leaders and media attended a Briefing on Federal Research and Development Funding for FY 1990. At the annual IEEE-USA briefing, senior Government officials examine their agencies' electrotechnology R&D budgets. Speaking on March 8 were representatives of the U.S. Departments of Defense and Energy, the National Aeronautics and Space Administration, the National Science Foundation (NSF), and the National Institute of Standards and Technology (NIST).



Dr. Lawrence P. Grayson (left), a member of the IEEE-USA Precollege Education Committee, appears on cable television's Ask Washington, on March 20. Dr. Grayson discussed ways to enhance precollege math and science education outlined in IEEE-USA's 28-minute videotape, *A Passport to Opportunity*.

Principal photography by: Bernice Evans
Pender M. McCarter
Vin O'Neill



Dr. Pugh meets with Chicago Tribune Technology Writer Jon Van (right) on September 12 during Midcon/89 in Chicago. The IEEE President stressed IEEE-USA's position on precollege math and science education: special attention must be paid to the education of women, minorities, and "at risk" youth.



IEEE-USA Supercomputer Subcommittee Chairman Dr. Sidney Fernbach and NIST's Esther Cassidy discuss legislative strategy at a subcommittee meeting on September 14 in Washington. Earlier, on May 24, the subcommittee's position on U.S. supercomputer vulnerability was highlighted in the front-page, lead story of *The Wall Street Journal*.



IEEE-USA Energy Committee members, including Technology Policy Council Chairman Tackaberry (second from left), meet in Washington on September 26 to discuss global warming.



IEEE-USA Volunteer Members Larry Dwon, Joel B. Snyder, James DiGiuseppe, John J. Guarrera, and Dr. Jack Lubowsky (left to right) visit Capitol Hill on October 5 to support: (1) limits on waiving employment rights; and (2) restoration of fully-deductible IRAs.



Dr. Bertnolli makes a point with Senator Jeff Bingaman (D-NM) (left) at IEEE-USA Retreat on Competitiveness, October 24-25, in Arlington, VA.



Prometrix Corp. Chairman R.J. Elkus (upper left) addresses Competitiveness Retreat. The meeting covered various actions IEEE-USA can take to help make the USA's companies and employees more productive and competitive.



Massachusetts Institute of Technology Associate Professor D. Eleanor Westney addresses the Sixth Biennial Careers Conference. Held November 1-3 in St. Petersburg, FL, the meeting focused on "Engineers and Engineering Monogers: Career Challenges of the 1990s."



EDN News Edition Associate Editor Barboro Call (left), IEEE-USA Careers Conference Chairman Jay Gilbert (center), and Science Applications International Corp. Executive William H. Scott, Jr. were among the approximately 100 engineering managers, human resource professionals, academic researchers, career development consultants, and media at the Careers Conference.



On December 7, some 100 policymakers, association executives, volunteer members, staff, and others attended an open house and reception at the new IEEE-USA Office in Washington. Shown at the ribbon-cutting ceremony in the office reception area are (left to right): IEEE 1989 President-Elect Carleton A. Boyless, Dr. Bertnolli, IEEE General Manager and Executive Director Eric Herz, IEEE-USAB Facilities Committee Chairman Edward J. Doyle, Professional Activities Staff Director Fanning, and USAB Facilities Committee Member William W. Middleton.



On November 30, Dr. Bertnolli presented IEEE-USA's Distinguished Public Service award to NSF Director Erich Bloch (left) in Washington. Dr. Bloch was recognized for his efforts to enhance the understanding and status of engineering and technology at the Federal level.

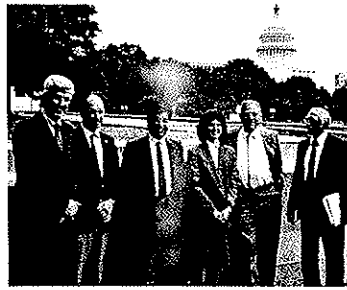


In addition, Congressional Fellow Charles W. Boston (left) assisted Representative Don Ritter (R-PA). During the year, the IEEE-USA Congressional Fellows Fund received generous contributions from 12 leading electrical, electronics, and computer engineering firms, allowing IEEE-USA to enhance its program.

Since 1973, some three dozen IEEE-USA Congressional Fellows have served on Capitol Hill assisting lawmakers in dealing with complex technical issues. In 1989, Denis King (left) advised Representative Doug Waigren (D-PA).



On April 13 at Electro/89 in New York City, Dr. Pugh (right) chats with Robert Bellinger, Managing Editor of the "Profession Section" in *Electronic Engineering Times*. The IEEE President and Dr. Bertnolli (seen in upper right) participated in a special Electro session on "Meeting the Needs of the EE Profession." During the panel presentation, the IEEE Vice President of Professional Activities addressed compensation-related issues; Dr. Pugh covered continuing education.



IEEE-USA Pension Committee Members (left to right) George F. McClure (Vice Chairman), Gordon L. Mitchell, Parkash Daryani, Mona K. Droper, John A. Casazza, and Dr. Harb S. Hayre prepare to meet with Congressmen on June 13 to support: (1) expanding the availability of tax-favored Individual Retirement Accounts (IRAs); and (2) improving pension portability.



Messrs. Pugh, Bertnolli, and Drew (left to right) meet outside the Washington office of NSF Director Erich Bloch. On June 14, the IEEE delegation briefed Dr. Bloch on the Institute's policy agenda for 1989.



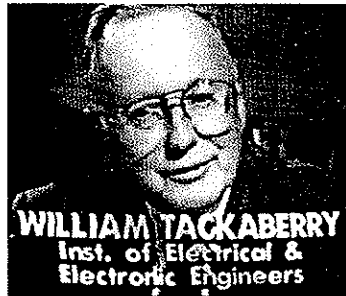
Dr. Drew, IEEE Public Relations Manager Pender M. McCarter, IEEE Professional Activities Staff Director Leo C. Fanning, and IEEE Public Relations Staff Director Thomas C. White (left to right) display second place certificate presented in the Public Affairs category of the *Thoth Awards* competi-

tion. Sponsored by the Public Relations Society of America's National Capital Chapter, awards were given on June 20 for "the best public relations programs created in the Washington Metropolitan Area." IEEE-USA was honored for its role in "sending a message" to Presidential Candidates George Bush and Michael Dukakis on the importance of science and technology in a new Administration.



Some 200 IEEE-USA leaders and their families meet over Labor Day Weekend in Burlington, VT, at the Professional Activities Council for Engineers (PACE) Workshop. The September 1-4 workshop focused on such career-related and technology policy activities as: employment assistance, age discrimination, early retirement, pensions, U.S. technological competitiveness, computers and communications, energy, and the U.S. civilian space program.

IEEE-USA Technology Policy Council Chairman William R. Tackaberry appears on ABC's *Good Morning America* August 11 to underscore the organization's position on "Biological Effects of Power Frequency Electric and Magnetic Fields."



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