



PROFESSIONAL PERSPECTIVE

A Year in Pictures 1995

IEEE-USA supports the professional careers and technology policy interests of 230,000 U.S. IEEE members. Our Washington, D.C.-based office staffs committees ranging from licensure and registration to communications and information policy.

Membership 1995 Salary and Fringe Benefit Survey. And we led changes in the Professional Engineering exam to include a wider variety of disciplines.

IEEE-USA continued to be a recognized lobbying force on Capitol Hill in 1995, expressing U.S. members' professional and technology policy concerns to policy-makers. We supported federal R&D funding, pension simplification legislation, increased energy research, retirement-savings

Additional IEEE-USA programs included promotion of National Engineers Week, management of the Institute's career counseling and precollege education programs, and support of 31 Student Professional Awareness Conferences. We also held a symposium to discuss new policies to safeguard intellectual property in cyberspace. Further, our Government Fellowship program, which places U.S. members on the staffs of Washington policy-makers and integrates them into the legislative process, was recognized by the American Society of Association Executives. We also unveiled our home page site on the World Wide Web: <http://www.ieee.org/usab>. And IEEE-USA's annual Labor Day PACE Conference and Workshop drew a record number of attendees.

The Institute's plans for Organizational Improvement (OI) were hotly debated throughout the year. IEEE-USA volunteers recommended that OI not weaken U.S. Activities and that IEEE-USA retain stable funding. At the year-end Board of Directors', (BOD) meeting in Monterrey, Mexico, the BOD continued lengthy debates on reorganization proposals.



We Support National Engineers Week: IEEE-USA Board Chair Joel B. Snyder (left) greets a future

astronaut and the youngster's father, (center) during the National Engineers Week 1995 Gala, held Feb. 23 at the National Air and Space Museum in Washington, D.C. Celebrated each year in the same week as the birthday of George Washington (who was an engineer), National Engineer Week fosters awareness and appreciation of our profession.



Throughout 1995, IEEE-USA increased efforts to enhance career opportunities for U.S. members. We expanded our Internet Job Listing Service; negotiated agreements with resumé referral services; facilitated several dozen local job fairs and career and consulting workshops; and published the IEEE-USA 1996 National Directory of Electrotechnology Consultants, as well as our IEEE U.S.

education programs, improved data security, intellectual property rights and stricter immigration regulation. On Nov. 29, IEEE-USA spearheaded a news conference with other high-tech organizations endorsing the Immigration Reform Act of 1995 (S.1394), which would prohibit employers from replacing U.S. workers with lower-paid foreign nationals and require that foreign professionals be paid a competitive wage.

WISE Interns Perform Summer Research in D.C.: IEEE-USA sponsors two third-year IEEE student members annually



in the Washington Internships for Students of Engineering (WISE) program. Ranked by Princeton's Review as one of America's Top 100 Internships, WISE allows students to spend 10 weeks in the capital, and learn firsthand how engineers can contribute to public-policy decisions on complex technology issues. Christopher Whitcoe (above right) prepared a paper on banking and the National Information Infrastructure, and Christopher Korpela (above left) wrote about the Global Positioning System.

We're On the Web: We unveiled our World Wide Web home page site on Sept. 1, located at <http://www.ieee.org/usab>. In addition, our Internet Job Listing Service was rated among the top five percent of all sites on the Web by Pointcom, a free Internet reviewing service, which noted: "The IEEE-USA service won't dazzle you with tricks, but it just may locate a job."



IEEE-USA Supports Expansion of Tax-Deductible IRAs:

IEEE-USA Board Chair Joel B. Snyder (above and below left) testified before the House Ways and Means Committee on Jan. 31 during hearings on savings incentives. Snyder told the Committee that an expanded, tax-deductible Individual Retirement Account would boost personal savings and stimulate private domestic investment. IEEE-USA Career Policy Council Chair George F. McClure (above right) joined Snyder for the presentation.



Government Fellowship Program Is Recognized: IEEE-USA Government Activities Manager Chris J. Brantley (right) accepts the Association's Advance America Award for Excellence from American Society of Association Executives President R. William Taylor.

We were recognized for our Government Fellowship program, which places senior-level engineers on legislative and executive staffs and brings technical and industry expertise into the policy-making process. 1995 Fellow Donald M. Wiberg (right) completed his Fellowship in the office of Sen. Tom Harkin, D-Iowa.



Energy Funding Is a Priority: IEEE-USA Energy Committee Chair Ned R. Sauthoff supported funding of fusion-energy research during an April 25 meeting of the U.S. Secretary of Energy's Advisory Board. Participants included (from left) William R. Ellis, Raytheon vice president for advanced technology; N. Anne Davis, associate director for fusion energy, Office of Energy Research, U.S. Dept. of Energy; Ned Sauthoff, head of the Plasma Science and Technology Department, Princeton Plasma Physics Lab; and John Landis, chair of the Fusion Industrial Council-U.S. Sauthoff also testified on fusion research on March 28 before the House Subcommittee on Energy and Water Development.



Nixon, Ford, Bush Science Advisers United at Our R&D Workshop: IEEE volunteer leaders joined three former presidential science and technology advisers following an IEEE-USA workshop on the future of U.S. R&D at the American Association of Engineering Societies' Government Affairs Conference, held March 28 at the National Academy of Engineering in Washington. Shown (left to right) are: Edward E. David Jr. (Nixon Administration);

1995 IEEE President James T. Cain; IEEE Executive Director Theodore W. Hissey Jr.; H. Guyford Stever (Ford Administration); Panel Moderator Erich Bloch, IEEE Fellow and Distinguished Fellow of the Council on Competitiveness; and D. Allan Bromley (Bush Administration).

BOD Discusses Reorganization:

At a series of year-end IEEE meetings, Dec. 9-14, in Monterrey, Mexico, the Institute's plans for organizational improvement were evaluated. PACE Chair Charles S. Lessard (left) and Joel B. Snyder attended the meetings. Snyder was presented a crystal replica of the U.S. Capitol for his efforts as 1995 IEEE-USA Board Chair.



PACE Conference Draws Record Attendance: Our PACE Conference, held over Labor Day weekend in Cedar Rapids, Iowa, attracted a record 267 attendees. IEEE-USA mounted a display of its products at the conference. Standing in front of our display are 1995 IEEE presidential candidates Jan Brown (left) and Charles K. Alexander (right), as well as IEEE-USA volunteer LeEarl Ann Bryant. The meeting also attracted eight former and current IEEE presidents.

Consultants' Networks Take Off: In light of downsizing by major corporate employers, many U.S. members have refocused their careers and become private practitioners. Founded in January 1994, the Alliance of IEEE Consultants' Networks (AICN) held four national workshops in 1995 aimed at helping both experienced and novice consultants. AICN also published a directory of electrotechnology consultants for employers, available in hard copy and on the World Wide Web, as well as a free quarterly newsletter for individual consultants.



Intellectual Property Protection Debated at IEEE-USA Symposium: Administration officials proposed new policies to safeguard intellectual property in cyberspace at the second IEEE-USA Intellectual Property Symposium held in Washington on Sept. 7. U.S. Patent and Trademark Commissioner Bruce A. Lehman told the gathering of U.S. IEEE members and media that the current system needs only fine tuning to adapt to the new cyberspace environment.



We Lobby for Immigration Reform: During a break in the markup of the 1995 Immigration Reform Act (S.1394) in Washington, IEEE-USA Board Chair Joel B. Snyder (left) meets with Sen. Alan Simpson, R-Wyo., (center); Linda Kilcrease, a former employee of AIG in New York who was

displaced by a foreign worker (far right); and Julie Cairns-Rubin, a former employee of Sealand Corporation in Elizabeth, N.J., also displaced by a foreign worker. Prior to the markup, we held a news conference in support of the Simpson bill. Snyder delivered a joint statement endorsing provisions of S.1394, which would safeguard employment opportunities, wages and working conditions for citizens and foreign nationals who are legally admitted to work in the United States.

Reorganization Elicits Emotional Response: A hot topic this year was the Institute's proposed restructuring. IEEE-USA volunteers were concerned that potential organizational improvement models would weaken or even eliminate U.S. Activities. IEEE President James T. Cain and other Institute leaders held a panel discussion on the issue at our Labor Day PACE Conference.



We Join Labor Department Campaign: IEEE-USA Board Chair Joel B. Snyder (left) speaks with U.S. Department of Labor (DOL) Secretary Robert B. Reich after a July 19 Washington news conference kicking off a new retirement-savings education campaign. IEEE-USA's partnership in DOL's campaign is part of our effort to expand individual savings incentives and help U.S. members plan for retirement.



On Dec. 3, IEEE-USA Senior Career Policy Administrator Vin O'Neill (far right) debated immigration reform with

his counterpart from the National Association of Manufacturers on National Empowerment Television, a Washington-based political cable network.



KGO-TV, an ABC affiliate in San Francisco, interviewed IEEE-USA Career Policy Council Chair George F. McClure about S.1394 at the ABC News studio in Washington.

Todd Davis, director of research at the Institute of International Education, speaks to IEEE-USA's U.S. Competitiveness Policy Committee about the educational benefits of immigration. While crafting an immigration position, IEEE-USA committees reviewed the perspectives of industry leaders, educators, immigrants and displaced U.S. professionals.



U.S. Members Receive Top Honors: At an Oct. 18 White House ceremony, President Clinton presented IEEE Senior Members Jerome J. Cuomo (left) and Richard J. Gambino (middle) with National Medals of Technology. IEEE Life Fellow Hermann A. Haus (right) received the National Medal of Science. Cuomo and Gambino were honored for

their work as members of an IBM team that helped develop the magneto-optic disk, while Haus was recognized for his contributions to the field of quantum electronics.