

Immigration Reform Bill

The House Judiciary Committee, May 5, approved H. R. 1510, The Immigration Reform Bill. The vote to report to the Full House was 20 to 9. It came after eight hours of markup in three days, during which the Committee voted on more than 35 amendments. Just when H. R. 1510 will reach the full House is unclear. The bill is not expected to go directly to the Rules Committee, the normal route for most legislation. Instead, the measure will be referred to the Education and Labor Committee* for review. It is possible that other committees will ask for referral. Judiciary Chairman, Peter Rodino (D-NJ) predicted that the House would pass the measure before the August congressional recess. (Note: Rep. Marge Roukema is a member of the Education and Labor Committee.)

The Senate has spent two days debating its version of the Immigration and Reform Act (S. 529). A final vote on the Bill was delayed at the request of Senator Alan Cranston (D-CA) who says that opponents of the Bill need additional time to perfect their case.

An amendment was offered on the Senate floor by Senator Danforth (R-MO) which puts the Senate version of the Bill more in line with the House version. It also broadens the waived areas to include business and economics. It was passed by a voice vote.

**It is important that you express your concerns to Congresswoman Marge Roukema about this “Foreign Student Issue.” Foreign students are hired at 60% of the salary of U.S. Citizen students. U.S. graduates are not getting jobs in the fields of their choice or study.*

More \$ For Engineering Education

H. R. 582 originally called the “National Engineering and Science Personnel Act of 1983” establishes a fund of 500 Mega-bucks for the National Science Foundation (NSF) under the name of Engineering and Science. I addressed this issue in March and still believe it is not only a waste of the taxpayers dollars, but it is detrimental to the engineering profession and practitioner.

H. R. 582 seemed to be going nowhere in its past form (1982) and original 1983 title, so it was buried in the back of H. R. 1310 . Apparently this was successful as it was passed in the House on March 2, 1983. Perhaps the Representatives did not read past the first 12 pages.

Title II of H. R. 1310 provides the money for turning out engineering graduates. With current engineering graduating classes of 100,000; and a total engineering job market of 1,000,000; the system can be refreshed in ten years. In my view, most of these new graduates will never serve in their selected profession. They may get jobs. They may even believe they are doing engineering work but, they won’t find out until it’s too late. Older engineers will be bumped and salaries will drop.

NSF is being used by educators to gain more tax dollars to educate more students for engineering. The primary goal is to keep funding the colleges and universities. The student is merely the catalyst and the victim. H. R. 1310, page 13, line 21, Paragraph 6

reads “the Nation now faces potential shortages in scientific as well as engineering and technical fields.” Only one widely disputed survey can be used to support this statement. That survey was taken by the American Electronics Association (AEA). IEEE doesn’t believe it. AAES doesn’t believe it. Why did Congress believe it?

No Potential For “Potentials”?

Dear Editor:
I have read, in the May issue of the section newsletter, that the Executive Committee of the North Jersey section has voted to donate \$500 of the members’ money to support the IEEE student magazine, “Potentials.” I think this is a mistake.

The student magazine is principally an organ of IEEE’s educational establishment. The Winter, 1983 issue, for example, carried a long article extolling the virtues of full-time graduate engineering education. At no time was it mentioned that, by pursuing this course immediately after graduation, the novice engineer actually postpones one of the most important career decisions he/she will have to make -- whether or not to remain in engineering!! Not surprisingly, this one-sided article was written by the Dean of Engineering at the University of Nebraska-Lincoln.

The academic establishment within IEEE has never suffered from a dearth of funds. Let their resources support “Potentials.” The majority of members in the North Jersey section are not academics. The gift of \$500 could have been put to much better use by, for example, inserting advertisements in the student newspapers within the area warning the readers that the claims of engineering shortages are simply myths.

Irwin Feerst — Committee of Concerned E.E.s.

The meetings of the North Jersey Sections Executive Committee are well run in a democratic fashion. A motion to donate \$500 to the magazine “Potentials” was made, received a second and after discussion, was passed. Some of your concerns were discussed at the meeting and the magazine will be reviewed for accuracy in its future content.

Thank you for your letters and interest in North Jersey, we wish more engineers in North Jersey were as concerned and interested as you.

Keeping Up With The PACE

This column is dedicated to keeping IEEE Members and other professionals up to date with PACE. We need and appreciate your comments and your participation. We invite you and your associates to attend any and all Section Meetings. Our Executive Committee meets on the first Wednesday of every month. Other meetings are listed throughout the Newsletter. Call any Section Officer listed on the masthead for information about Executive Committee meetings.

You may copy this Newsletter or show it to your associates. Encourage other professionals to support PACE by joining IEEE. Contact Don Weinstein at (201) 945-3000 for a free information kit about IEEE membership.



The IEEE

Newsletter

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It is not necessary to inform the North Jersey Section when you change your mailing address. The NEWSLETTER and other section mailings use a list provided by IEEE’s national headquarters in New York. This means the Section has no need to maintain a mailing list or addressing plates. Section membership records are changed when Headquarters notifies us.

SECTION OFFICERS

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455-8547
Member-At-Large Howard Leach
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Name ‘83-‘84 Officers

At the June 1, 1983 meeting of the NJ Section Executive Committee, new officers named for 1983-1984 were Anne Giedlinski, Chairperson; Eugene Niemiec, Vice Chairman-1; Richard Tax, Vice Chairman-2; John Van Savage, Treasurer; and Charles Coulomb, Secretary.

Named as Members-At-Large were: Howard Leach, Maitland McLarin, and Robert Sinusas.

Tabulated results of the 111 ballots cast by section members were announced by the Teller Committee of A. Stolpen, J. Suozzi, and M. Perugini.

Solicit Centennial Medal Nominees

In 1984, the IEEE will recognize 100 years of electrical progress in its Centennial celebrations and is planning a distinctive recognition program in honor of its Centennial year. This recognition will take the form of Centennial Medals to be awarded to those who have made outstanding contributions to the Institute and profession. The principal recipients of the medals will be determined by the Sections, Societies and the major Boards.

The North Jersey Section has been allocated thirteen of the 1984 Centennial medals. The Awards Committee of the North Jersey Section is soliciting nominations for these medals. For a section award, the committee is seeking people who have made outstanding contributions to the Section, Chapter or the local community. The Awards Committee will meet in August and determine the thirteen awardees to be submitted to IEEE.

The procedure to submit candidates is quite simple. Write the name, address, company affiliation and phone number of the prospective candidate together with a short paragraph describing his outstanding contribution on a single sheet of paper and submit by August 1, 1983 to: *Dr. J. J. Suozzi, Chairman, IEEE North Jersey Section Awards Committee, Bell Telephone Laboratories, 25 Lindsley Drive, Morristown, New Jersey 07960.*

The medals will be presented at the Section Awards banquet in 1984.

Congratulations New Senior Members

John Adams
Basant R. Chawla
Ralph E. Hoy
Howard H. Leach, Jr.
H.W. Ott
John T. Peoples
Clyde O. Persons
Robert M. Rolfe
S. Rosenstark
Robert L. Schiff
G.J. Solowey

For information on how you can become a Senior Member, contact Don Weinstein, Kulite Semiconductor, 1039 Hoyt Ave., Ridgefield, N.J. 07657, (201) 945-3000.

SMC Society Report

The newly formed Systems, Man and Cybernetics Society of the North Jersey Section, whose technical concerns are human-machine interaction, vision systems, and artificial intelligence, held four technical meetings in the first half of 1983.

Consultants Wanted

To teach 4-Day Short Courses for Technical Professionals in the fields of:

- ☐ Microprocessors
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The average attendance for each meeting was twenty, which is high for meetings of this type.

Planned activities for the Fall of 1983 include three distinguished speakers and other programs.

PACE Sets New '83 Meeting Dates

The North Jersey Section Professional Activities Committee will sponsor its regular monthly meeting the third Wednesday of every month. Meetings will be held from 7:30 PM to 9:30 PM at Singer-Kearfott, Plant 3, 1250 McBride Avenue, Little Falls, N.J.

These meetings are open to all members and interested public professionals with refreshments free of charge.

Further Information: M. McLarin (201) 335-6847; H. Waters, (201) 785-6417.

METSAC Paper Contest Winners Announced

METSAC-the Long Island, New Jersey, New York and Princeton Section of Region I-held its 29th Annual Prize Paper Contest on Sunday, April 10, 1983, at the Bramson ORT Technical Institute in New York City. Judging the event were Professor Stella Lawrence of Bronx Community College, Roberto Rioja of Superior Control Systems, Morris Balamut of Singer/Kearfott and Michael Casella of Consolidated Edison.

Dr. Charles Rubenstein of Bramson ORT Technical Institute, the METSAC Student Activities Coordinator, presided over the days festivities and was assisted by Dimitri

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Guest of Technical Careers Institute, the acting MSC Student Chairman. Also on hand were IEEE section Student Activity Coordinators, Dr. Allen Katz (Princeton), and Professor Fernando Segovia (New York); as well as branch counselors from the competing schools.

The METSAC Prize Paper Contest winners are:

First-"A Unique Approach to Automatic Telephone Dialing," Patrice Ruscavage, Trenton State College.

Second-"Digital Compensation for Control of a Satellite-Borne Tape Recorder Unit," Anthony T. Amabile, Trenton State College.

Third-"Recording Computer Generated Images on Holograms and Non-planar Surfaces," Avram Aronoff, Cooper Union.

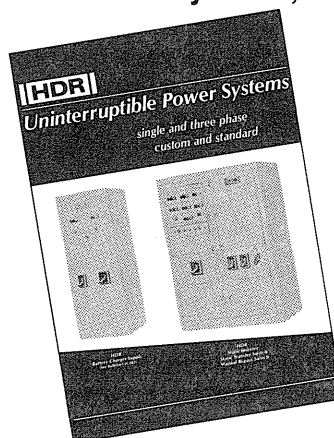
Fourth-"Fallopian Tube Surgery with a CO₂ Laser," Jessica Lund, Pratt Institute.

Honorable Mention-"The IBM Field Trip," Dimitri Guest, Technical Careers Institute.

The Honorable Mention paper was an entrant at the Freshman/Sophomore level, the rest at the Junior/Senior level. Monetary prizes of \$250 for First, \$200 for Second, \$150 for Third, \$100 for Fourth and \$75 for Honorable Mention were provided by METSAC.

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Region 1 Paper Contest Winners Announced

Region I held its Annual Student Prize Paper Contest April 18, 1983 at the Sheraton Centre Hotel in New York City as one of the technical events at Electro '83. Submissions were received from colleges throughout the Region. The winning papers are:

First-"A Unique Approach to Automatic Telephone Dialing," Patrice Ruscavage, Trenton State College.

Second-"Digital Compensation for Control of a Satellite-Borne Tape Recorder Unit," Anthony T. Amabile, Trenton State College.

Third-"Theory and Determination of Safe Operating Area in Bipolar and MOS Power Transistors," Brian H. Floyd &

Andrew W. Clark, Rensselaer Polytechnic Institute.

Fourth-"RF Modem Tester," Daryl Baker, University of Maine.

A prize of \$2500 for First Place was provided by the Electro Board of Directors. The prizes of \$500 for second, \$300 for third and \$100 for fourth were provided by the Institute's Life Member Fund (\$525) and Region I (\$375).

The branch counselors for the winning schools are Dr. Allen Katz for Trenton State College, Dr. David G. Gisser for Rensselaer Polytechnic Institute and Professor W. Turner for the University of Maine.

Judges were Malcolm Drummond from the Taylor Instrument Corporation, Mary O'Brien of the 195 Broadway Corporation and Robert Solomon of Raytheon Corporation.

ELECTRO/83 A Success

Electro/83, the annual high technology electronics show and convention and Mini/Micro Northeast, the computer conference and exhibition, directed at the OEM market place was an outstanding success. Sponsored by Region I, its sections and the Electronic Representatives Association, it was held in New York City during April 19th to 22nd.

The combined registration of 55,747 was far the largest number of people to ever register for Electro since its inception in 1976 as a replacement for Intercon and NEREM. The number of exhibit booths was also a record.

The Electro Board of Directors extends its thanks to all Section members who worked to make Electro/83 a success.

PACE NEWS

Professional
Activities
Committee for
Engineers

By R. Tax

Legislation -- A National Effort

By Sandra Blair--USAB Staff Member, Washington, D.C.

With almost 300 people on the PACE/Government Action mailing list asking 20 engineers to contact their two Senators and one Representative, we would have 18,000 requests for legislative action. The number of members that would benefit from legislation is far greater. Keep in mind, it is not only engineers that benefit. People in many other occupations suffer from inequitable regulations. If you can expand your campaigning in your community, so much the better.

Some pointers on contacting Congressmen:

1. Handwritten letters that are customized so they do not look like form letters are most effective.
2. Telephoning your Congressman's local staff is effective, especially if quite a few people call. Get on a first name basis with local staff members.

3. Your elected representatives keep track of the number of letters and phone calls that come in on any issue. Their attention to any matter is in direct relation to constituent pressure.

4. Your Congressman works for you. (As obvious as this is, many people hold their Senator or Representative in awe and are timid about making a phone call, let alone writing a letter. By keeping your Congressman informed you are also helping them.)

5. Petitions are easy, not as effective, but if you meet apathy or resistance to writing or calling, collect signatures.

6. Copy legislative alerts to hand out to your fellow members. Ask them to copy it and hand it out to other members.

7. Create a chain reaction effect. Build pyramids of people working for you who are finding people to work for them, etc., to dramatically increase the constituent pressure.

8. Section members should contact Section PACE members at PACE Meetings to help and become more informed on required actions.

9. Have fun. These issues are important and popular. It is an opportunity to succeed and make a contribution to your profession.