



The IEEE

Newsletter

PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

The June Newsletter Will Be All Electronic!

For the 4th year in a row, there will be an "electronic only" edition of The IEEE Newsletter which will not be mailed. This year the month has been changed to June. In addition, July remains a non-publication month whereby neither a printed version nor an electronic version of the Newsletter will be produced. All members can find the latest meeting and activity announcements by clicking "Newsletters" on the IEEE North Jersey Section Home Page at:

<http://www-ec.njit.edu/~ieeenj/>

Here's Your GOLDen Opportunity!

Have you graduated (from your first bachelors' degree) in the last ten years? Looking to make professional and personal connections in the North Jersey area? Want to learn more about how to make your IEEE membership work for you? Then let's get a GOLD (Graduates of the Last Decade) group rolling again. The North Jersey Section is searching for folks interested in GOLD activities. We are seeking a North Jersey GOLD Chair (don't worry-there's not that much to do, and seasoned help is available) along with some new committee members to assist. Anyone who has recently graduated is heartily encouraged to jump in! Chances are, that any leadership and project planning responsibility you have at work will pale in comparison to the opportunities that await around IEEE.

Other GOLD Chapters around the world have been holding such *fun* (yes, that's a key word) events as: family barbecues, happy hours, and of course the more traditional IEEE format - meetings on topics ranging from "Managing Your Boss" and "Planning for Your Next Job" to "First Time Home Buying." Discussions often cover challenges faced by those fresh (or not so fresh) out of school, whether working in corporate America or self-employed. If anyone is interested, or even has any questions at all, contact Amy Galarowicz at email: a.galarowicz@ieee.org or work phone number (973) 765-0830.

NJ Section PACE:

Threats to Engineering Careers

The North Jersey Section's Professional Activities Committee (PACE) is hosting a meeting on the 2nd Thursday in May at Fairleigh Dickinson University's Teaneck Campus to discuss issues relevant to Engineering Careers. Our guest speaker is Dr. Stephen H. Unger, a long time active participant and Life Fellow of IEEE.

About the Talk

Stephen Unger says "Even in what are generally regarded as good times, many engineers (this term as used here includes other technical professionals who might also be members of societies such as the IEEE) are having difficulty in finding satisfactory jobs. Those with fifteen or more years of experience often have the most trouble. This is true despite widespread allegations by industry about a shortage of engineers and computer experts."

The talk will focus on importing foreign temporary workers and the H-1B program, but will include other issues such as the exporting of engineering jobs and the application of the "just-in-time" concept to engineers. What is going on? What will happen when times become less good? What can we do about it?

Input from those attending will be welcomed.

About the Speaker

Dr. Unger received a BEE degree from the Polytechnic Institute of Brooklyn, and MS and ScD degrees from MIT. He is a Professor of Computer Science and Electrical Engineering, Columbia University and a principal founder and recent head of Columbia's undergraduate computer engineering program.

Dr. Unger worked at Bell Laboratories where he did research and development work and managed a software development group. During a summer sabbatical Dr. Unger performed consulting work at Bell Labs, IBM, RCA, and GE. He is the author of many papers on various computer-related topics, the author of "Asynchronous Sequential Switching Circuits", "The Essence of Logic Circuits", and "Controlling Technology: Ethics and the Responsible Engineer". He is currently doing research on self-timed systems. Dr. Unger was a Member of the IEEE Board of Directors (and USAB) 1995-96, and Chairman of the IEEE Ethics Committee 1997-98. He was also Past President of IEEE's Society on Social Implications of Technology. Dr. Unger also served on the USAB Ethics Committee and on other ad hoc committees that drafted various versions of the IEEE and other ethics codes.

Dr. Unger is cognizant of the issues at all of these levels and an excellent choice for Our North Jersey Section's guest speaker.

All Welcome!

You do not have to be a member of the IEEE to attend.

Time: 7:00 PM, Thursday, May 11, 2000.

Place: Fairleigh Dickinson University, Teaneck Campus, Muscarelle Building up the stairs from the main parking lot off route 4 and River Road, brown brick building. For directions, see http://www.fdu.edu/visitorcenter/directions/teaneck_map.html.

Information: Alan Stolpen, (973) 822-1300, X2416, a.stolpen@ieee.org, Richard Tax, (201) 664-6954, rtax@bellatlantic.net.

May 2000

Volume 46, Number 11

Publication No: USPS 580-500

"The IEEE Newsletter" (North Jersey Section), is published monthly except June and July by The Institute of Electrical and Electronics Engineers, Inc. Headquarters: 3 Park Avenue, 17th Floor, New York, NY 10016-5997. \$1.00 per member per year (included in annual dues) for each member of the North Jersey Section. Periodicals-class postage paid at New York, NY and at additional mailing offices. Postmaster send address changes to: "The IEEE Newsletter", 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331. USPS 580-500 (ISSN 1076-3732).

NEWSLETTER STAFF

EditorKeith Saracinello
Business ManagerTheresa Saracinello

Deadline for receipt of material is the 1st of the month preceding the month of publication. All communications concerning editorial and business matters, including advertising, should be sent to the Business Manager via e-mail at k.saracinello@ieee.org or to *The IEEE Newsletter*, c/o Keith Saracinello, 25 Messenger Ln, Ringoes, NJ 08551, (732) 562-6472.

IEEE NJ SECTION HOME PAGE

<http://www-ec.njit.edu/~ieeenj/>

IEEE NJ SECTION NEWSLETTER HOME PAGE

<http://www-ec.njit.edu/~ieeenj/NEWSLETTER.html>

REPORT ADDRESS CHANGES TO:

IEEE Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08855-1331, (732) 981-0060. It is not necessary to inform the North Jersey Section when you change your mailing address. "The IEEE Newsletter" and other section mailings use a list provided by IEEE's national headquarters.

SECTION OFFICERS

Chairman.....Alan Stolpen
a.stolpen@ieee.org, (973) 822-1300, ext. 2416
Vice-Chairman-1Dr. Nirwan Ansari
(973) 596-3670
Vice-Chairman-2Rodney Cole
rgcole@ieee.org (973) 299-9022 Ext. 2257
Treasurer.....Milton Korn
miltonkorn@aol.com (973) 365-2757
SecretaryWayne Owens
wowens@crestron.com (201) 767-3400, ext. 226

Members-at-Large:

Bhanu Chivakula (b.chivakula@computer.org)
Durga Misra (dmisra@megahertz.njit.edu)
Richard Tax (rtax@bellatlantic.net)

The North Jersey Section Executive Committee usually meets the first Wednesday (except holidays and December) of each month at 7:00 PM. Meetings are open to all members. For information on meeting agenda contact Secretary Wayne Owens at (201) 767-3400, ext. 226, wowens@crestron.com.

NJ Computer Chapter:

Multi-media Data Bases

On May 11th, 2000, the IEEE North Jersey Section Computer Chapter will host a presentation on "Multi-media Data Bases" by Eli Rohn.

About the Talk

Traditional databases contain easily indexed numbers and text. Now a new type of database is emerging on the horizon, that will contain a much greater variety of data forms, such as images, sound, video clips, and animation. For such databases, traditional indexing methods are not always applicable. For example, how do you query a video library, or an image database containing x-rays, or sounds in an audio database? The first part of the one hour presentation will explain what multi-media databases are and how they differ from the traditional DBMS. The second part will focus on exciting novel research sponsored by NSA and DARPA regarding multi-media databases. This part will include screen-shots and possibly a live demonstration.

About the Speaker

Eli Rohn is the Managing Member of Rohn Consulting LLC. He has a Masters degree in Management of Information Systems from NJIT, has published two technical books and over 30 professional articles. He renders consulting services to Fortune 500 companies on top of running his business. Eli, who started as a programmer, has over 15 years of experience with Mainframes, PCs, Networks, and has been involved with Internet technology for over five years.

All Welcome!

You do not have to be a member of the IEEE to attend. Bring your friends.

Time: 7:00 PM, Thursday, May 11, 2000.

Place: Dialogic, Inc. 1515 Route 10 (East bound from Route 202), Parsippany, NJ. Please park and enter from the front of the building.

Information: Howard Leach, (732) 594-2911, or h.leach@ieee.org.

NJ PES/IAS:

Electromagnetic Compatibility: Principles and Applications

The IEEE North Jersey Chapters of IAS/PES will host a one day Seminar on "Electromagnetic Compatibility: Principles and Applications" in September 2000 at a location near Morristown, NJ.

About the Seminar

The seminar duration will be 9:00 AM to 4:00 PM., with breaks for lunch and coffee. The seminar will cover the following topics:

- Introduction to EMI environment
- Sources of conducted and radiated EMI
- Standards governing the EMI Design Guidelines and Test Practices
- EMI Measurements, Control Requirements, and Test Methods
- EMI Issues from Variable Speed Drive Applications
- Harmonics and its Role in EMI
- Mitigation Techniques: Shielding, Bonding and Grounding

The seminar is designed for engineers, contractors, and consultants that are involved with selection, application, and installation of micro-processor based control and protection systems, distributed control systems, power electronic devices such as variable speed drives in industrial, residential, commercial, and electric utility installation such as generating stations and substations.

This seminar will be conducted by industry recognized experts with over 25 years of experience in the area of Electro Magnetic Compatibility. The registration fee for this seminar prior to August 15th will be \$200 (non-IEEE members), \$150 (IEEE Members), and \$100 (students with valid ID). Registrations after August 15th must include an additional late fee of \$25. The seminar fee includes lunch, refreshments and handouts. Non-members joining IEEE within 30 days of the seminar will be rebated \$50 of the \$200 registration charge.

Date: September 2000 (exact date TBA).

Place: Near Morristown, NJ (exact location TBA).

Information: Specific information will be included in the August 2000 Newsletter.

North Jersey Section Activities May 2000

May 3–“NJ Section Executive Committee Meeting” – 7:00 PM, ITT, 100 Kingsland Road, Clifton, NJ. Wayne Owens at (201) 767-3400 ext. 226 or wowens@crestron.com.

May 7–“NJ Section Awards Reception” – 3:00 to 6:00 PM at the Birchwood Manor, 111 North Jefferson Road, Whippany, NJ. Anne Giedlinski (973) 377-3175.

May 11–“Multi-media Data Bases” - NJ Computer Chapter, 7:00 PM, Dialogic Inc, 1515 Route 10 East, Parsippany, NJ. Howard Leach, (732) 594-2911, or h.leach@ieee.org.

May 11–“Threats to Engineering Careers” – NJ Section PACE, 7:00 PM, Fairleigh Dickinson University, Teaneck Campus, NJ. Alan Stolpen, (973) 822-1300, X2416, a.stolpen@ieee.org, or Richard Tax, (201) 664-6954, rtax@bellatlantic.net.

May 26–“Symposium on Next Generation Wireless Networks - Defining Applications and Services for the Next Generation” – New Jersey Center for Wireless Telecommunications, Time TBA, Room TBA, NJIT, Newark, NJ. Cynthia McCray at (973) 596-5548 (mccray@adm.njit.edu).

Upcoming Meetings

June 7–“NJ Section Executive Committee Meeting” – 7:00 PM, ITT, 100 Kingsland Road, Clifton, NJ. Wayne Owens at (201) 767-3400 ext. 226 or wowens@crestron.com.

Sept.–“Electromagnetic Compatibility: Principles and Applications” – NJ IAS/PES Chapters, exact time and location TBA in August Newsletter, near Morristown, NJ.

Sept. 8–“2000 MTT/AP Symposium and Mini-Show” – MTT-S/AP-S Chapter, 12:00-7:15 PM, Hanover Marriott, Whippany, NJ. Kirit Dixit (201) 445-2981 (RF Electronics) or Willie Schmidt (973) 492-0371.

Members and Non-Members Welcome
PLEASE POST

2000 IEEE NORTH JERSEY FELLOWS

Peter Feldmann

"For contributions to the analysis and simulation of electronic circuits."

**Photo of Peter
Feldmann**

Peter Feldmann was born in Timisoara, Romania. He began his university studies at the Polytechnic Institute in Bucharest, Romania and after two years he continued at the Technion, in Haifa, Israel. There he received the BSc Degree, (summa cum laude), in computer engineering, in 1983 and the MSc degree in electrical engineering in 1987. From 1985 through 1987 he worked for Zoran Microelectronics in Haifa, Israel, on the design of digital signal processors. Peter Feldmann continued his graduate studies at Carnegie Mellon in Pittsburgh, PA and obtained the PhD degree in 1991. Currently, he is Distinguished Member of Technical Staff at Bell Labs in Murray Hill, New Jersey. In 1995 he was an adjunct professor at Columbia University in New York. His main research interests are simulation, analysis and design of electronic circuits and communication systems.

S. Jamaloddin (Jamal) Golestani

"For contributions to the theory of congestion control and provision of fairness and guaranteed services in packet networks."

**Photo of S.
Jamaloddin (Jamal)
Golestani**

S. Jamaloddin (Jamal) Golestani was born in Najafabad, Iran in 1955. He received the BS degree in electrical engineering from Sharif University of Technology, Tehran, Iran, in 1973, and the MS and PhD degrees in electrical engineering from the Massachusetts Institute of Technology, Cambridge, MA, in 1976 and 1979, respectively.

From 1980 to 1988 he was with the faculty of Isfahan University of Technology, Isfahan, Iran, where he taught and did research in communication theory, communication networks, and radar systems. During this period, he also served as a consultant to the Telecommunications Company and Telecommunications Research Center of Iran. In 1988, he joined Bell Communications Research, Morristown, NJ, where he conducted research in the area of congestion control and provision of fair and guaranteed services in data networked. Since 1995, he has been with Bell Research Laboratories, Murray Hill, NJ, where he is a member of Networking Research Laboratory. His current research interests include network control algorithms, congestion control and routing, multicast communications, and wireless networks.

Dr. Golestani is a member of the editorial board of the IEEE/ACM

Transactions on Networking.

Anthony M. Johnson

"For contributions to ultrafast optoelectronics and nonlinear optics."

**Photo of Anthony M.
Johnson**

Dr. Johnson is Distinguished Professor and Chair of the Physics Department at NJIT. He received his PhD in Physics (1981) from City College of the City University of New York supported by a Fellowship (CRFP) from AT&T Bell Laboratories. He was most recently a Distinguished Member of the Technical Staff in the Photonic Circuits Research Department at Bell Laboratories and moved to NJIT in 1995. Current research interests include: ultrafast photophysics and nonlinear optical properties of bulk, nanoclustered, and quantum well semiconductor structures; ultrashort pulse propagation in fibers and high-speed lightwave systems. He is a Fellow of the OSA, APS, AAAS and now the IEEE. IEEE/LEOS activities include: Elected Member, Board of Governors (93-95); Chair, William Streifer Scientific Achievement Award Committee (1996); Member, Ultrafast Optics and Electronics Technical Subcommittee (89-00) - Chair (91-93); Member, LEOS 1993-2000 Annual Subcommittee on Ultrafast Optics and Electronics (93-00). He is Vice President of the OSA and will become its President in 2002, and is the Editor-in-Chief of Optics Letters (95-01).

Conor Rafferty

"For the development of pioneering simulations tools and models for technology computer aided design".

**Photo of Conor
Rafferty**

Conor Rafferty heads the Silicon Processing Research department at Bell Laboratories, Lucent Technologies. He holds a BSc in Physics, a BA in Mathematics and an MSc in Electrical Engineering from Trinity College, Dublin, and a PhD in Electrical Engineering from Stanford University. While at Stanford he co-authored the device simulator PISCES and process simulator SUPREM-4. At Bell Laboratories he is the primary author of the next-generation process and device simulator PROPHET. His current research is in the area of ion implantation and dopant diffusion for advanced microelectronics technologies.

Avi Silberschatz

"For contributions to the development of computer systems dealing with the efficient manipulation and processing of information."

**Photo of Avi
Silberschatz**

Dr. Avi Silberschatz is the Executive Director of the Information Sciences Research Center at Bell Laboratories, Murray Hill, New Jersey. Prior to joining Bell Labs, he held a chaired professorship in the Department of Computer Sciences at the University of Texas at Austin. His research interests include operating systems, database systems, real-time systems, and distributed systems.

Dr. Silberschatz is a recognized researcher, educator, and author. His writing have appeared in numerous ACM and IEEE publications and other professional conferences and journals. He is a co-author of two very well known textbooks - "Operating System Concepts" and "Database System Concepts." Dr. Silberschatz holds twenty-one patents in the general area of computing and telecommunication and has an additional thirty patents pending. As a professor, Dr. Silberschatz has graduated over 15 PhD students, many of whom are established researchers in their fields of expertise and are working at top universities and research institutions.

Dr. Silberschatz is an ACM Fellow and an IEEE Fellow. He received the 1998 ACM Karl V. Karlstrom Outstanding Educator Award, the 1997 ACM SIGMOD Contribution Award, and the IEEE Computer Society Outstanding Paper award for the article "Capability Manager", which appeared in the IEEE Transactions on Software Engineering.



The VT Conference Committee Wants You!! Looking for Volunteers, Sponsors, Exhibitors

The IEEE North Jersey Section is hosting the Fall 2001 Vehicular Technology Conference in Atlantic City, NJ from October 6-11, 2001. And now's your chance to get involved.

Have you ever wondered how a conference comes together? How speakers, tutorials, meals, and many other activities are smoothly integrated? How to produce a powerful technical program of international caliber? How to advertise your company's name on the coffee cups during the lunches and breaks?

Then this is the deal for you. The conference committee is issuing an open call for volunteers to help man its sub-committees. Currently the following have some openings: local arrangements, banquet, publicity, publications, registration, special/social events, transportation, and many others.

But it doesn't stop there. There are special discounts for student volunteers and sponsoring companies. What better way for your organization to get its name out to hundreds of people from worldwide in the mobile communications arena than by becoming Platinum, Gold, or Silver sponsors? You can even tailor your sponsorship to meet your advertising needs. This includes getting tables or floor space to exhibit YOUR products and services to those people with the purchasing power or an all electronic advertisement on the website.

Even students can get involved. There is a significant student admissions discount and does not require any society affiliations. We are also looking for students to man the registration desk and take on other activities. Universities are also welcome to become sponsors.

How can you find out more and get involved? Contact conference chair Art Greenberg at a.h.greenberg@ieee.org or (973) 492-1207, and Industry Liaison/Exhibits chair Stephen Wilkowski at swilkowski@lucent.com or (973) 386-6487. Check out the website at <http://www.fallvtc2001.com/index.htm>.

Need an expert?



Call for a **free** consultant referral:
(973) 728-4500

**IEEE
CONSULTANTS' NETWORK
OF NORTHERN NJ**

www.TechnologyOnTap.org



THE INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS, INC.
NORTH JERSEY SECTION
MTT-S/AP-S CHAPTER
Presents

15TH ANNUAL SYMPOSIUM AND MINI-SHOW

Lectures and Booth Exhibits

FOCUS: MICROWAVES IN WIRELESS AND SATELLITE COMMUNICATION IN THE NEW MILLENNIUM

Thursday, September 7, 2000
Hanover Marriott, Whippany, NJ

12:00 Noon to 7:15 PM MINI-SHOW (Booth and Table Exhibits)
1:30 PM to 6:30 PM TECHNICAL SESSION

Lectures planned: Advanced topics in Wireless Technology
Advances in Satellite Communication
Advances in Antenna Technology
Software and Simulation
State of the Art Components
Advanced Test Equipment

The papers will be presented by distinguished lecturers in their field.

Details of the schedule, the speakers and the topics will be published in the August and September issues of the IEEE Newsletter and posted on the IEEE NJ Newsletter Home Page at <http://www-ec.njit.edu/~ieeenj/NEWSLETTER.html>.

7:15 PM to 8:15 PM DINNER

There is no charge to attend the show and the lectures.

For exhibitor inquiries, information, reservations, directions or questions, call: Kirit Dixit, RF Electronics, (201) 445-2981, or Willie Schmidt (973) 492-0371.

PACE NEWS - — Richard F. Tax

High Tech Import Legislation Threatens U.S. Engineering Community and U.S. Engineering Capabilities.

September, 1998 our Congressional representatives voted on legislation that is detrimental to members of the U.S. Engineering Community, the engineering profession and U.S. Engineering Capabilities. This legislation, HR3736, increased the number of H-1B visas from 65,000 to 95,000 for 1999 and to 115,000 for the following 5 years. This will displace 670,000 U.S. workers. This legislation, alone, will dedicate 4 million man years of work to foreign workers and deprive members of our U.S. Engineering Community of opportunities to earn a living and enhance their skill level.

Well! It's about to happen again. Congress has made it so easy to import foreign labor that new legislation is asking to increase the number of imports in the year 2000. It's on Capital Hill now and a lobbying effort is underway.

Legislation S. 2045, the Hatch-Abraham H-1B bill would give away 195,000 of some of America's best paying jobs and opportunities to foreign workers. This bill was supported by Senator Robert Torricelli (NJ) (202)224-3224 & (973)624-5555, on the Senate Judiciary Committee. You might want to give him a call.

H.R.3983, the Dreier-Lofgren Bill brings the limit up to 200,000 per year.

H.R. 4227, the Smith H-1B Bill Lifts the cap for unlimited imports, but provides for tougher anti-fraud provisions, and supports training of U.S. workers.

I don't have the space to cite all of the provisions of these Bills, but I have listed some Web locations for further more detailed information about them.

Party Lines: In general you can say the Republicans are pro increases, but they have not been introduced to the detrimental affects of these increases to the profession. We have to tell them that. Democrats, on the other hand, generally oppose the increases since they usually support labor's view, but some Democrats are supporting the increases. However, I believe both party members must be made aware of the circumstances, and a labor balance is better than a Surplus or a Shortage. Corporate money is reaching both parties.

In 1998 President Clinton had the opportunity to veto the legislation, but instead followed up his lack of action with a trip to Silicon Valley to pick up 4 Megabucks of party contributions from Corporate America. See North Jersey "NEWSLETTER" for Nov. 1998 "Engineers Have Few Friends in Washington." There is a lot money behind this effort.

Your Position: If you are a member of the U.S. Engineering Community you will be affected by this legislation. By definition, when you are employed in the U.S. as an Engineer, Programmer, High Tech Worker, etc., you automatically become a member of the U.S. Engineering community. It makes no difference if you have been here, in the U.S., 40 years or 40 minutes. The next H-1B imported worker will replace one of us; 200,000 will replace 200,000 of us. Yesterday's engineer is today's victim and today's engineer will be tomorrow's victim. It never stops.

Practice Your Profession or lose It; It is important to practice your profession to maintain your skills and keep abreast with technology. We see engineers doing engineering work 20% of the time and engineering support work 80% of the time. After 10 years they accrue only 2 years of engineering experience.

This is a detriment to the engineer and to U.S. Engineering Capabilities. This can happen only with an Engineering Manpower Surplus. Do you really believe we should let America lose its Engineering Capabilities?

The Opposition: The Information Technology Association of America (ITAA) is lobbying for legislation to increase the number of H-1B imported workers. ITAA's members consist of companies, Corporate America, and not Information Technologists, as their name implies. Yes, they do have a Web site and they list their corporate members. If your company is on their membership list you may be one of those to be replaced by the next foreign worker. (See: www.ita.org)

Here is a case of ITAA's Corporate Members (Corporate America) using profits, earned by their current employees, to support legislation to replace the same employees that earned those profits. Irony, isn't it?

Off to Washington: April 26 - 29 I visited Capitol Hill at the invitation of the Coalition for the Future American Worker (CFAW). The purpose was to lobby in opposition to the increase in the number of H-1B visas. It was very educational for myself and for the representatives I met. Apparently they haven't heard much from the members of the Engineering Community, so this was a good start. The effort was continued by others as I left. Here are some of the players and their web sites: Coalition for the Future American Worker, www.americanworker.org, the Programmer's Guild, www.programmersguild.org, FAIR Congressional Taskforce, www.fairus.org. I, as Vice President of the American Engineering Association, Inc. www.aea.org and other members from AEA, IEEE and other groups supported the CFAW effort. (More participants are listed on CFAW's web site). AEA is against any increase and will strive to have the existing numbers rolled back. CFAW has withdrawn its support of the Smith H-1B Bill even as the least of the evils since it lifted the cap and still has some worker protection provisions. You will have to decide how you want your Representative to vote. I still believe we should try to defeat all Bills asking for an increase.

Your help is needed to support this effort and to reach your representative. It's your profession and your future. The following Congressional representatives voted to increase the number of H-1B imported workers in 1998. They will probably vote for increases again this year unless you can convince them otherwise.

James Saxton R, 3rd Dist 202-225-0778, 609 261-5800.
*Marge Roukema, R, 5th. Dist. 202-225-4465, 201-447-3900
Frank Pallone, D, 6th Dist. 202-225-4671, 732-571-1140
William Pascrell, D, 8th Dist. 202-225-5751, 973-523-5152
Donald M. Payne, D, 10th Dist. 202-225-3436, 973-645-3213
Rodney Frelinghuysen, R, 11th. 202-225-5034, 973-984-0711
**Rush Holt, D, 12th Dist. 202-225-5801, 609-750-9365
Robert Menendez, D, 13th Dist. 202-225-7919, 201-222-2828
Notes:

*Marge Roukema is being opposed by Scott Garrett in the primaries (888) 868-3467. www.garrett2000.com You may wish to replace her. Call Scott for his position on this issue.

**Rush Holt is new and we don't know his opinion. Please check.

NumbersUSA www.NumbersUSA.com can provide more information on how other Representatives voted on this issue

*"IF YOU ALWAYS DO WHAT YOU ALWAYS DID,
YOU WILL ALWAYS GET WHAT YOU ALWAYS GOT"
Here is an opportunity for you to make something happen*

I WILL REMEMBER COME NOVEMBER
More on this in our PACE Meeting notice in this issue.

IEEE AWARDS RECEPTION

*North Jersey Section
May 7, 2000
Birchwood Manor, Whippany NJ*

*A time to relax, unwind and enjoy --
A time to pay tribute to our new Fellows --
A time to honor our Award Winners --
YES it's time for the Annual Section Reception*

The Annual Section IEEE Awards Reception will be held at the Birchwood Manor, 111 North Jefferson Road, Whippany again this year. The affair is scheduled for **Sunday, May 7, 2000** from 3 to 6 PM. Tickets are \$35.00 each and include a complete prepaid, two-hour open bar, hors d'oeuvres, buffet, and dessert. Spouses and guests are welcome. We are limited to 90 attendees, so please make your reservations early.

Reservations are required by May 1, 2000. Complete the reservation form and return it with your payment. If you would like tickets mailed back to you, please enclose a self-addressed **stamped** envelope. Otherwise, your tickets will be held at the door for you. If any additional information is required concerning the reception, contact Anne Giedlinski at (973) 377-3175.

Use this form for Reception reservations. **ENCLOSE A SELF-ADDRESSED STAMPED ENVELOPE to receive tickets in advance.** **Reservations are required by May 1, 2000.** Mail reservation request to:

Anne Giedlinski
299 Brooklake Road
Florham Park, NJ 07932

Enclosed is _____ for _____ ticket(s) at \$35.00 each (make check payable to **North Jersey Section IEEE**) for:

NAME: _____

ADDRESS: _____
