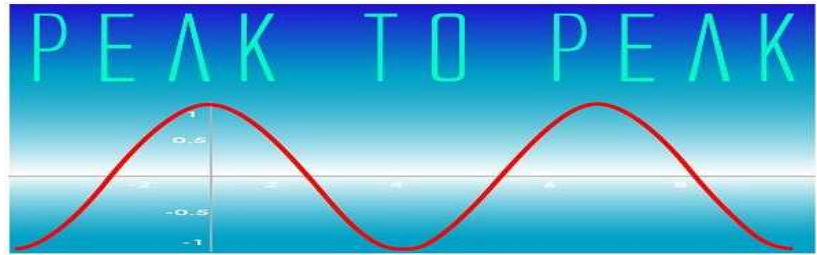




SEPTEMBER 2006  
Edition 2

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## THE IEEE NEW HAMPSHIRE SECTION

### Chairman's Thoughts

*By Tom Perkins*

The Region 1 summer Board of Governor's (BoG) meeting just ended. This year it was held on the campus of Syracuse University in beautiful upstate New York. Thanks go to our Secretary and Past Chair, Chuck Button, and to Jim Anderson, representing Educational Activities, who also attended from New Hampshire. Most of the other 21 Sections in Region 1 were well represented.



Chuck Button, Tom Perkins & Jim Anderson at 2006 BoG

The weekend started with a Thursday evening side trip to the home of Dr. Jim Rautio (amateur radio call sign AJ3K) in Phoenix, NY. Jim has two self supporting towers (no guy wires) in his back yard. One tower has a three element 40 meter beam. The other tower features a nine element tri-band antenna, large six meter beam, and a two meter repeater antenna. Jim has over 300 countries worked with nearly 100 on six meters alone. His wife, Jean NR2W, and son, Brian AB2MP, are also amateur radio (ham) operators.



One of the Two 80' Towers

*Continued on Page 2*

### From the Editor: Never Forget 9/11

*By Jim Anderson*

It would take a great poet or historian to even begin to put this into proper perspective, so please forgive my feeble attempt to remember the events of 9/11/2001. I am sure that all of us can remember exactly where we were and what we were doing when we heard the unbelievable news. I felt completely helpless that day as the events unfolded.

Some of you may have relatives or friends who perished. I can not begin to imagine what you went through, especially the waiting for definite information; it must have felt like an eternity. My wife was on one of the flights out of Boston's Logan International Airport that was grounded just as it was preparing to pull back from the gate for takeoff.

*Continued on Page 10*

## Chairman's Thoughts (Cont'd)

Jim Rautio is President and Founder of Sonnet Software (EM analysis tools for 1 MHz through 1 THz) and is an IEEE Fellow. My wife Vivian, Jim Anderson, Charlotte Blair - an Officer from the CT Section and a Sonnet Engineer - and her daughter Danielle shared a great cookout. Some of you may recall that Dr. Rautio gave two excellent Microwave Theory and Techniques Society talks here in 2005.

Friday started with talks by IEEE USA President, Ralph Wyndrum, Col. Dr. Barry Shoop - Region 1 Director, Lewis Terman and John Vig. Drs. Terman and Vig are candidates for 2008 IEEE President. The remainder of the day featured 6 parallel training sessions for a total of 24. Topics included Section Operations, PACE, Membership Development, How to Run a Meeting, Student Activities, GOLD, Financial Operations, Education Operations, and more! Finally, meetings of the 4 sub-regions were held (NH is in Northeast Area along with Maine, Boston, Worcester, and Providence Sections). One new effort I learned about is an initiative called [ieee.tv](http://www.ieee.org/web/membership/myieee.html), which will offer an internet television network that produces and delivers special-interest programming about technology and engineering. Currently it is only available to IEEE members through myIEEE

<http://www.ieee.org/web/membership/myieee.html> but later this month some of the content will be available to the public.

Friday evening featured a visit to the Syracuse's Museum of Science and Technology (MOST), yes - everything needs an acronym! Included in the visit was an IMAX film, "Coral Reef Adventure".



Jim and Chuck at the IMAX Film

The remaining 1-½ days were packed with Region 1 business, along with debates featuring IEEE and IEEE USA President-Elect candidates. Col. Shoop made sure that significant time was allocated to Open Forums, so that the challenges and issues facing leadership could be discussed. Emphasis needs to be put on better communications. We will be continually working to achieve that here in NH.

Saturday evening included a Volunteer Recognition Dinner event at the Syracuse Sheraton Hotel.



Tom Perkins Receiving Award from Barry Shoop

Since the meeting, we already are discussing the very likely possibility of establishing a Graduates Of the Last Decade (GOLD) affinity group here in NH. We have well over 100 members that are eligible to help make it happen. Stay tuned! Several members from nearby sections have offered advice.

Next years' one day Winter meeting will be at the Hartford airport, in Windsor Locks, CT on February 3. The larger 2007 Summer BoG is planned for Burlington, VT next August.

Reflecting back on the Mount Washington boat trip on July 22, it was a great opportunity to meet some of you who have little or no opportunity to participate in other section activities, along with several "regulars". I hope we can do it again next July. Some photos taken by Dr. Paul Carr (IEEE Fellow) are included in a separate article and elsewhere on the website (Paul - we are grateful).



Dr. Howard E. Michel, Region 1 Director Elect for 2008, 2009, says he'll be attending the joint Computer and MTT Society talk at BAE Systems on September 20. If you're there, please say hello to him.

Looking forward to our annual NH Section Dinner, it appears likely that we will have Army Col. Shoop (our Region 1 Director for 2006, 2007) as our guest and speaker. He is a very dynamic leader, exciting speaker, and strongly embraces the IEEE. At this writing, the date is still in flux. It will likely be a Friday or Saturday evening in early November at the Yard Restaurant in Manchester. Stay tuned! We'll let you know ASAP.

## Chairman's Thoughts (Cont'd)

Finally, please make a nomination for the "Young Engineer of the Year" prior to the October 10 deadline. See the box on the right for more details.

Please feel free to contact me, Tom Perkins, at [tomperkins@ieee.org](mailto:tomperkins@ieee.org) or [NHIEEE@aol.com](mailto:NHIEEE@aol.com). I would enjoy hearing from you.

## Congratulations To Senior Member Mimi Tam

The Section was recently informed that Mimi Tam's nomination for elevation to Senior Member of the IEEE had been approved on the basis of her 22 years of significant performance in the computing and telecommunications industries.

Tom Perkins, Duncan Morrill, and Jim Anderson received an email from Mimi that said in part: "I really appreciate your help. With everyone's hectic schedule as is, you took the time out to lend a hand and guidance. This goes a long way to keep the IEEE spirit going; over and above the technical strength of the community."

## 2006 Outstanding Young Engineer Award

Nomination Deadline: October 10, 2006

The IEEE NH Section Outstanding Young Engineer Award was established to recognize engineers 35 years of age or under "For outstanding contributions in the leadership of technical society activities, leadership in community and humanitarian activities, and evidence of technical competence through significant engineering achievements."

The award, administered by the NH Section Awards Committee, is presented annually at the IEEE NH Section Annual Meeting. Recipients receive a plaque, and have the privilege of designating a college or university to receive a \$500.00 scholarship for an electrical/electronics engineering undergraduate.

To be eligible for the award, an individual must be 35 years of age or under on January 1 of the presentation year (January 1, 2006 for this year's award), be a Member Grade or higher of the IEEE, and have been a member of the New Hampshire Section for at least one year.

Nominations can be made by any NH Section member with the endorsement of the chapter in which the individual is a member.

Factors to be considered for selection include: local IEEE activities and leadership, professional society activities, evidence of technical competence and achievement, community and humanitarian activities, educational achievements, and professional registration.

Nominations may be emailed to [NHIEEE@aol.com](mailto:NHIEEE@aol.com)

## Chapter News

### NH Chapter Meeting Computer Society and Microwave Theory and Techniques Society Presents

Ad Hoc Wireless Networking:  
Where is the Beef?

Speaker: Dr. Anthony Ephremides

Communications Society Distinguished Lecturer  
University of Maryland

Date: Wednesday, September 20, 2006

Time: 6:00 PM

Abstract: Dr. Ephremides will be reviewing new problems and trends in wireless adhoc networks with emphasis on sensor networks. Topics will include energy efficiency, cooperation, and network coding. All these have in common the coupling between the layers that reaches from application layer down to the hardware level.

Tony Ephremides - Anthony Ephremides holds the Cynthia Kim Professorship of Information Technology at the Electrical and Computer Engineering Department of the University of Maryland in College Park where he holds a joint appointment at the Institute for Systems Research, of which he was among the founding members in 1986. He obtained his PhD in Electrical Engineering from Princeton University in 1971 and has been with the University of Maryland ever since.

He has held various visiting positions at other Institutions (including MIT, UC Berkeley, ETH Zurich, INRIA, etc) and co-founded and co-directed a NASA-funded Center on Satellite and Hybrid Communication Networks in 1991. He has been the President of Pontos, Inc, since 1980 and has served as President of the IEEE Information Theory Society in 1987 and as a member of the IEEE Board of Directors in 1989 and 1990. He has been the General Chair and/or the Technical Program Chair of several technical confer-

ences (including the IEEE Information Theory Symposium in 1991 and 2000, the IEEE Conference on Decision and Control in 1986, the ACM Mobihoc in 2003, and the IEEE Infocom in 1999). He has served on the Editorial Board of numerous journals and was the Founding Director of the Fairchild Scholars and Doctoral Fellows Program, a University-Industry Partnership from 1981 to 1985.

He has received the IEEE Donald E. Fink Prize Paper Award in 1991 and the first ACM Achievement Award for Contributions to Wireless Networking in 1996, as well as the 2000 Fred W. Ellersick MILCOM Best Paper Award, the IEEE Third Millennium Medal, the 2000 Outstanding Systems Engineering Faculty Award from the Institute for Systems Research, and the Kirwan Faculty Research and Scholarship Prize from the University of Maryland in 2001, and a few other official recognitions of his work.

He is the author of several hundred papers, conference presentations, and patents, and his research interests lie in the areas of Communication Systems and Networks and all related disciplines, such as Information Theory, Control and Optimization, Satellite Systems, Queueing Models, Signal Processing, etc. He is especially interested in Wireless Networks and Energy Efficient Systems.

Location: BAE Systems Headquarters Building - Main Lobby Auditorium, 65 Spit Brook Road, Nashua, NH ½ mile east of Everett Turnpike, Exit 1

For more information call Tom Perkins @ (603) 885-5040, or e-mail [thomas.perkins@baesystems.com](mailto:thomas.perkins@baesystems.com)

# NH IEEE Microwave Theory and Techniques Society Presents

## Liquid Crystal Polymer for RF and Millimeter Wave Multi-layer Packages and Modules

Speaker: Dr. Anh-Vu Pham

Microwave Microsystems Laboratory Department of Electrical and Computer Engineering  
University of California, Davis

Date: Monday, October 02, 2006

Time: 6:00 PM

Abstract: We present the design and development of multi-layer organic modules and packages using liquid crystal polymer (LCP). An overview and unique properties of liquid crystal polymer will be first discussed. We will present the development of liquid crystal polymer caps for RF MEMS. A cavity formed in a liquid crystal polymer film has been laminated, at low temperature, onto silicon MEMS switches to create a hermetically sealed package. Multiple organic dielectric films can be integrated on top of the LCP cap to form a multi-layer module. We will also present compact surface mount packages using multi-layer liquid crystal polymer films. The feedthroughs of these packages including bond wires and transitions to a printed circuit board achieve less than 1 dB insertion loss at Ka-band.

Biography: Anh-Vu H. Pham received the B.E.E. (with highest honors) and Ph.D. degrees from the Georgia Institute of Technology, Atlanta, in 1995 and 1999, respectively. From 1997 to 1999, he was a technical staff member and a co-founder of RF Solutions, LLC, an RFIC company that was acquired by Anadigics in 2003. He was on the faculty at Clemson University from 1999 to 2002. He joined the University of California at Davis in 2002 and is currently an Associate Professor. He has authored or co-authored ~ 60 technical journal and conference papers. He is conduct-

ing research in RF and high-speed packaging and signal integrity, RFIC design, and wireless sensors.

Anh-Vu serves as a member of the IEEE Microwave Theory and Techniques Society (IEEE MTT-S) International Microwave Symposium (IMS) Technical Program Committee (TPC) on Power Amplifiers and Integrated Circuits. He was the chair of the IEEE MTT-12 Microwave and Millimeter Wave Packaging and Manufacturing Technical Coordinating Committee (2003-2006). He was the recipient of the 2001 National Science Foundation CAREER Award on millimeter-wave organic packaging. He is also active as a consultant to the industry.

Location: BAE Systems Headquarters Building - Main Lobby Auditorium, 65 Spit Brook Road, Nashua, NH ½ mile east of Everett Turnpike, Exit 1

For more information call Tom Perkins @ (603) 885-5040, or e-mail [thomas.perkins@baesystems.com](mailto:thomas.perkins@baesystems.com)

## CNEC Product Safety Engineering Society

If you have any suggestions for meeting topics or speakers please contact Paul Smith, our meeting scheduler, at [pauljsmith1@cs.com](mailto:pauljsmith1@cs.com).

## Computer Society

*By Jim Isaak*

For the 2006 - 2007 academic year, the chapter is scheduling its IT Seminar Series on Thursdays from 7:00 to 9:00 PM in the Walker Auditorium of Robert Frost Hall at SNHU. Save the following dates: Sept. 21, Oct. 19, Nov. 9, Dec. 14, Jan. 25, Feb. 22, Mar. 15, Apr. 12, and May 3. For the latest info, check [http://acadweb.snhu.edu/Isaak\\_James/ITseminars/index.htm](http://acadweb.snhu.edu/Isaak_James/ITseminars/index.htm)

If you have particular topics you would like to see covered, or speakers to suggest, please send a note to: [nhchapter@JimIsaak.com](mailto:nhchapter@JimIsaak.com)

## Engineering in Medicine and Biology Society

If you have any suggestions for meeting topics or speakers; or if you would like to become active in the Chapter please contact me at: [wjsmith@cisunix.unh.edu](mailto:wjsmith@cisunix.unh.edu)

## Power Electronics Society

If you have any suggestions for meeting topics or speakers; or if you would like to become active in the Chapter please contact Chuck Button at [chuckbutton@ieee.org](mailto:chuckbutton@ieee.org)

## Power Engineering Society

If you have any suggestions for meeting topics or speakers; or if you would like to become active in the Chapter please contact Paul Krell at [krell@unitil.com](mailto:krell@unitil.com)

## PACE Leadership Conference

*By Chuck Button*

This event (in St Louis, MO - March 3 to 5, 2006) was sponsored by IEEE-USA. I attended training sessions on Leadership, MPAC (Member Professional Activities Conference) and SPAC (Student Professional Activities Conference) and avenues for funding these. The emphasis was on networking. Among possible M/SPAC topics are project management and leadership. Both Col. Barry Shoop and Charles Rubenstein offer courses on leadership

I also attended an interesting presentation on The Consultants Network and learned the meaning of the term "elevator speech" - what would you say if you inadvertently got on an elevator with a potential customer and wanted to explain what you could do for this prospect during the 30 second ride.'

Joe Lillie and Russ Lefebvre, who are running for President of IEEE USA, gave talks on their vision for the future of IEEE USA. I spoke to Joe Lillie, employed Bell South, about the possibility of giving a presentation on the devastation and reconstruction of the area north of Lake Pontchartrain, at a future Section Meeting. Jim Monzel, of the Vermont Section, expressed an interest in working out consecutive meetings with Joe to help defray costs.

Spoke with Russ Harrison, who is the IEEE staff representative for political activities, and he would like to set up town meetings with state and federal legislatures and engineers. He also mentioned New Hampshire's first in the nation primary. It would be a good opportunity to get free advertising for the IEEE if we could set up meetings with potential presidential candidates.

I had a little free time one day and visited the St Louis Arch and Museum, but I did not have time to

take a trip to top of arch. It is a really impressive structure.

Editor's Note: This article should have appeared in the April Newsletter but I lost it in the shuffle of putting that issue together and Chuck was too much of a gentleman to remind me of my omission. I recently found it while cleaning out some old files.

## Summer Cruise

*By Chuck Furciniti*



Pier at Weir's Beach

On Saturday, July 22, 115 IEEE-NH members, family and friends set sail from Weir's Beach on the M/S Mount Washington for our annual summer outing on Lake Winnepesaukee.

Undeterred by the rainy weather, everyone adjourned to the comfort of the Flagship Lounge and enjoyed a leisurely lunch buffet of lemon dill haddock or a hot turkey dinner with all the fixings. During coffee and dessert, NH Section Chairman Tom Perkins addressed the group with a few comments and was heartily applauded for his brevity.

As dinner came to a close, the ship pulled in to Wolfboro to drop off and take on passengers. On the return trip to Weir's Beach, guests were welcome to remain in the Flagship Lounge or stroll about the ship, relax in the Main Deck Salon or the Steamboat Lounge and browse in the gift shop.

Upcoming Events  
**September 14<sup>th</sup> 2006**  
**6:00 pm, CR Sparks Restaurant**  
**NH IEEE Section ExCom Mtg**  
Currently limited to IEEE Section Officers and special invitees. For more information, email [NHIEEE@aol.com](mailto:NHIEEE@aol.com) or go to [CR Sparks Map & Directions](#)

Although visibility was limited, there were excellent views of the shoreline and many of the islands that dot the lake. It appeared the rain did little to dampen the spirits of the 115 guests as they spent time meeting fellow IEEE members or just enjoying their time on the lake with their families on what is proving to be a very popular annual event for the IEEE NH Section.



Shoreline from the Ship

## How I Became an Engineer

By Jim Komiak

My father was a Chicago City College Physics Professor and was always teaching my brothers and me electronics related stuff (built a crystal radio from parts, assembling Heath kits, computer programming via the IIT time share, etc). But I was also good at English/Literature as well as the Sciences.

When I got accepted to both Arts & Science and Engineering Schools at Cornell University I had to make a choice. My reasoning was "how am I going to make a living as an English major?" so engineering was the obvious choice. When it came time to choose a major I wisely opted for electrical over nuclear (which subsequently had a massive downturn). I went on to graduate school specializing in circuits & systems with a minor in computer science.

I am currently involved with MMIC, module, sub-system, and system design for EW, communication, and radar. I am also active professionally with the IEEE Microwave Theory & Techniques Society and as an Accreditation Board for Engineering & Technology (ABET) IEEE-sponsored University Electrical Engineering Program Evaluator.

Dr. James J. Komiak (Jim)  
IEEE Fellow, Chair MTT-5 High Power Amplifiers  
Engineering/Scientific Fellow, BAE Systems

[jkomiak@ieee.org](mailto:jkomiak@ieee.org)

## Presidential Candidate Meetings

*By Duncan Morrill*

It is getting to be that time again when New Hampshire becomes, for about a year, the most politically important state in the country. Russ Harrison, Legislative Representative of IEEE-USA in Washington, D.C. has proposed that our Section and IEEE-USA take advantage of NH's unique importance to better the profession by inviting the presidential candidates to address our section members in a series of meetings held over the next year and a half. The goal would be to make each candidate spend at least a little time considering the needs of technology workers and to give our members a chance to speak with the candidates as a group. Here's Russ's proposal:

**Proposal:** The IEEE New Hampshire Section hosts a series of events with Presidential candidates between November 2006 and November 2007. Realistically, this would be four to five meetings total, as some candidates would decline.

**Purpose:** To give IEEE members access to Presidential candidates and to raise awareness of our concerns and our profession with the individual who ultimately becomes President. These meetings would give engineers an opportunity to present our concerns to the future President while he/she is still accessible. Candidates who do not win are still going to be prominent politicians whose help we can use on a variety of issues, so these meetings will also be valuable.

**Duration:** Thirty minutes to an hour, depending on candidate availability.

**Location:** Any public meeting space, such as libraries or university classrooms. The section could try to have all of the meetings in one location, or a variety of locations around the state. We could also use meeting space at businesses that employ engineers, but would have to get permission from the companies involved in advance.

**Meeting Description:** The meetings would start with the candidate giving his/her stump-speech. Hopefully, this would be built around the concerns of engineers, but would ultimately be up to the candidate. Section members would then have an opportunity to ask questions and engage in a dialog with the legislators. Refreshments (light snacks) would be nice, but not absolutely necessary.

**Process:** IEEE-USA would draft a letter of invitation to all of the likely candidates for President. The letter would be from the New Hampshire's 2007 President

(for continuity). Once approved by the Section, the letters would be sent to the various campaigns. IEEE-USA would coordinate with the campaigns to find a suitable date. The Section would be responsible for publicizing the meetings and arranging the meeting logistics (space, food, chairs, microphone, etc.) We would need thirty members at a minimum for each meeting to make them worth-while to the candidates.

Who Attends: All of the meetings would be open to all IEEE members and their families, including student members. If the Section wants to open up the meetings to other engineering groups, that would be fine. Doing so would have the advantage of ensuring a larger crowd, which politicians like, but could dilute our message. We cannot charge admission.

Is This Legal? Absolutely. The IRS and non-profit law explicitly allow associations like IEEE to meet with, speak with and discuss issues with elected officials. In fact, such interactions are encouraged. Non-profits like IEEE have a responsibility (under the tax code) to serve the public interest as well as the interests of our members. Informing public officials about our concerns meets this obligation, so long as it is not the only way we meet it. IEEE and IEEE-USA cannot take a position in the election by endorsing a candidate, but we have every right to meet with candidates to discuss the election.

The Executive Committee is currently considering this proposal and would appreciate any comments from the membership. Also, we'd like to hear from some volunteers to participate in this undertaking if it is decided to go ahead with it. Russ Harrison is scheduled to participate in the September 14 ExCom meeting for a detailed discussion of his proposal.

## IEEE-USA Legislative Alert

*By: Russ Harrison (Legislative Representative of IEEE-USA, Washington, D.C.)*

Congress will return from their August recess on September 5th. That will leave about five weeks before Congress' predicted adjournment date in early October. Between then and now Congress must pass a dozen major pieces of legislation on top of several dozen smaller bills that it would like to pass.

Within this busy schedule are several pieces of IEEE-USA's 2006 legislative agenda that still need to be voted on.

The best tool that we have to attract legislators' attention is the voices of our members. As we ap-

proach the November election, elected officials will be increasingly aware of what their voters are saying. Letters, e-mail and phone calls from a relatively few voters could have an enormous impact on which bills Congress passes this year.

There are two pieces of legislation in particular that our members need to know about because of their potential to impact their profession. They are:

- The American Competitiveness Initiative. This bill will drastically increase the amount the Federal government spends each year on basic research, \$10 billion in 2007 alone. It will also increase spending on education and students at all levels. This bill represents a huge investment in our high-tech economy and our high-tech workforce, but it is at risk as other groups push their preferred spending programs in front of it. Legislators need to hear that their voters support this program and understand its importance to their local communities.

- Immigration reform. While other issues have gotten most of the headlines, Congress is considering provisions that could significantly impact engineers. These include a significant increase in the H-1B temporary visa program and even larger increases in high-skill permanent immigration. While IEEE-USA has long supported shifting the focus of U.S. immigration policy from temporary visas to permanent immigration and Green Cards, the policies currently being discussed by Congress go way beyond what the U.S. economy could reasonable be expected to absorb.

Two other issues have the potential to have a smaller impact on the engineering profession, but will still help. These are two caucuses IEEE-USA has helped to found within Congress. The Caucuses organize legislators who support technology and help them pass legislation to achieve this end. The two caucuses are the RFID Caucus and the Research and Development Caucus. IEEE-USA is urging more legislators to join them before the end of the year.

IEEE members who want more information on any of these issues can visit IEEE-USA's Legislative Action Center (LAC) here:

<https://www.capitolconnect.com/ieee>

At the LAC, you will be able to use your IEEE Web Account to access detailed descriptions of legislation. You will also be able to quickly send e-mails to your legislators expressing your opinions on the legislation.

If you have any questions or concerns about this project, please contact me at [r.t.harrison@ieee.org](mailto:r.t.harrison@ieee.org) or (202) 530-8326.



## From the Editor (Cont'd)

*Continued from Page 1*

Almost 3,000 people killed! How can you get your arms around that? I could not cope with that many people, so I eventually went to the website dedicated to the victims (See the list of websites at the end.) and searched for people with the same last name as mine. I looked at their pictures and read about them.

I found two people, Kermit Charles Anderson, 57, Green Brook, N.J. and Yvette Anderson, 53, New York, N.Y.; Kermit left behind a wife, two married daughters and two grandsons. He was the Vice-President of an insurance company and he and his wife were avid hikers. Yvette was an African American single mother of two teenaged children. She was very active in her church, loved to cook, and was working on a degree in hotel and restaurant management. She was a data entry clerk during the week and a waitress on the weekends. She was saving money to open a restaurant. I decided to pray for them and their families and have been doing so ever since.

If you have memories of 9/11 that you would like to share in a future remembrance, please send them to me at [james-w-anderson@ieee.org](mailto:james-w-anderson@ieee.org)

The Daily Timeline website below closes with: "May God bless the many souls who lost their lives, on September 11, 2001, at the World Trade Center, the Pentagon, and on airline flights 11, 175, 77, & 93."

Next you will find some of the websites on 9/11 that I like. If you have others that you think are good, please send them to me at [james-w-anderson@ieee.org](mailto:james-w-anderson@ieee.org) for a future remembrance.

✉ <http://www.september11victims.com/september11victims> is a website dedicated to the 2,996 victims. The alphabetical list does not work but the search engine works. You can view pictures of the victims, read tributes to them, and read their obituaries. The final ~600 page report can be downloaded from this website.

✉ [www.unitedinmemory.net](http://www.unitedinmemory.net) is the website for the United In Memory 9-11 Victims Memorial Quilt, A Legacy of Love. In their gallery you can view the individual blocks in alphabetical order or you can search for individual names.

✉ <http://www.september11news.com/DailyTimeline.htm> gives a time line of the events and their aftermath, pictures, and world news reports.

✉ [http://memory.loc.gov/ammem/collections/911\\_archive/index.html](http://memory.loc.gov/ammem/collections/911_archive/index.html) The Library of Congress' *September 11, 2001, Documentary Project* captures the heartfelt reactions, eyewitness accounts, and diverse opinions of Americans and others in almost 200 audio and video interviews, 45 graphic items, and 21 written narratives.

### Never Forget 9/11! Black Tuesday - September 11, 2001



# WANTED WANTED WANTED WANTED WANTED

## Wanted - Articles on "How I became an engineer."

Was it because you were always interested in taking things apart and putting them back together (with "extra pieces")? Was it by chance? Was it because you come from generations of engineers and this was your destiny? What was it? Please send me, Jennifer Ng, ( [jng@ieee.org](mailto:jng@ieee.org)) your story on how you became interested in Engineering and chose this profession. Every month, we will feature an article in the newsletter.

## Wanted - Fellow and Senior Members

If you are an IEEE Fellow or a Senior Grade Member, and you are willing to act as a reference for members aspiring to be upgraded to Senior Member status, please contact Chuck Button at [chuckbutton@ieee.org](mailto:chuckbutton@ieee.org)

## Wanted - Women interested in forming a Women in Engineering (WIE) Affinity Group in the NH Section

IEEE Women in Engineering (WIE) <http://www.ieee.org/portal/pages/committee/women/index.html> is dedicated to important issues for Women Engineers. Affinity groups provide the opportunity for members to network at a local level. Activities may include guest speakers, workshops and seminars. All members are encouraged to join and participate in their local group activities to promote growth within the WIE.

If you are an IEEE member and interested in forming a WIE Affinity Group in the NH Section with me, please contact me, Jennifer Ng, at [jng@ieee.org](mailto:jng@ieee.org). I need six (6) members for the petition form.

For more details about Affinity Groups, go to [http://www.ieee.org/web/geo\\_activities/rab/scs/](http://www.ieee.org/web/geo_activities/rab/scs/)

# WANTED WANTED WANTED WANTED WANTED

## Questions & Answers

Q: Who are the NH Executive Committee members?

A: A list of all the members and their contact information is found on the section website at [http://www.ewh.ieee.org/r1/new\\_hampshire/Officers.html](http://www.ewh.ieee.org/r1/new_hampshire/Officers.html)

Q: Who do I contact about suggestions for the newsletter?

A: The Editor, Jim Anderson can be reached at [james-w-anderson@ieee.org](mailto:james-w-anderson@ieee.org)

Q: How can I be removed from the mailing list or update my email address for section news?

A: Send email to the NH Section Administrator, Donna Davis, at [NHIEEE@aol.com](mailto:NHIEEE@aol.com)

Q: How do I get elevated to IEEE Senior Member Grade?

A: Please visit the IEEE Senior Member website: <http://www.ieee.org/organizations/rab/md/smprogram.html>  
The NH IEEE Section can support your application and you will need two additional Senior or Fellow grade members as references. Please contact Chuck Button (NH Section Secretary) at [chuckbutton@ieee.org](mailto:chuckbutton@ieee.org) for more details.

Q: Why can't I read the newsletter on my web browser?

A: Try downloading the latest free version of Adobe Reader at [http://www.adobe.com/go/gntray\\_dl\\_get\\_reader](http://www.adobe.com/go/gntray_dl_get_reader)

Q: Why doesn't the URL [http://www.ieee.org/nh\\_section\\_work?](http://www.ieee.org/nh_section_work?)

A: At the present time the URL is case sensitive and you must use [http://www.ieee.org/NH\\_Section](http://www.ieee.org/NH_Section). We hope to have this corrected by IEEE shortly.

Q: How do I start a new society chapter?

A: Please refer to this site for details on eligibility and requirements: <http://www.ieee.org/portal/pages/tab/cha/newchap.html>

