

# IEEE New Hampshire Section Newsletter

January-February 2006

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## 1. Greetings from the NH Section Chair, Tom Perkins

I am honored to be your new Chairman. I've been a member of the IEEE since 1962, but sometimes it feels like I joined just yesterday. I want to serve as if it's all new and fresh! As we enter 2006 we are challenged both locally and globally as technology rapidly advances in many areas. It is a very exciting time in electrical and electronics engineering. The list is long - from power systems, computers, electromagnetics, robotics, satellites, nanotechnology, our world is rapidly changing. Through a worldwide communications network, companies are literally going nonstop at a dizzying pace. To be successful, we in New Hampshire must keep pace with these developments and make significant contributions. Although we have a good share of innovative companies and individuals, many of whom have made great contributions to our exciting field; it is my sense that there is too much complacency when it comes to professional activities and "networking" between engineers. We need to promote the startup of more active IEEE society chapters, have more technical meetings, leverage inputs from the great wealth of knowledge that we have locally, and encourage growth of student chapters.

We are part of IEEE Region 1, which comprises all of New England, New York State and Northern New Jersey. This is truly the Center of Technology. It is my goal to get more of you actively involved in IEEE in some way, great or small. Please feel free to contact me at [tomperkins@ieee.org](mailto:tomperkins@ieee.org) or [NHIEEE@aol.org](mailto:NHIEEE@aol.org) . I would enjoy hearing from you.

## 2. Past-Chair's report on activities during 2005

The 2005 year was one of moderate activity for the section. A cruise on the Mt Washington attracted 125 members and guests. The event was coordinated by Chuck Furciniti, who pushed forward despite the executive committee's concern about not being able to advertise it in the Reflector. The turnout and the day were outstanding. A second event was an Area 1 (NH, MA, RI and ME sections) family day at Woods Hole Oceanographic Institute on the Cape, that had 37 NH members and guests in attendance. This event was coordinated by the Rhode Island Section Chair, Harold Belsen, the Boston Section Chair, Ted Khochanski, and me.

Representatives of the NH Section attended both the winter and summer Region 1 Board of Governors meetings, and the international IEEE Sections Congress.

The section has three active chapters that provided a total of 18 technical meetings and other events.

The success of the Mt Washington Cruise brings up the annual discussion of the Section's participation in the Central Northeast Council (CNEC). Participation costs the section a large part of our operating budget. CNEC sponsors ELECTRO and the Boston Reflector. The real sticking point is the Reflector. The executive committee has always voted in favor of the \$2 per member cost. However, the email notices sent out by our administrator, Donna Davis, would appear to reach most members, as was shown by the success of the Mt Washington Cruise. So this issue will probably come before the board again this year. If you have a preference please send an email to [NHIEEE@aol.com](mailto:NHIEEE@aol.com).

None of the Executive Committee offices were contested this fall. The officers for 2006 are: Chair - Tom Perkins, Vice Chair - Celine Bilodeau, Treasurer – Dean Bacon, and Secretary Chuck Button.

Dr. Arthur Winston, Past President of IEEE (2004), gave the keynote address at the Third Annual Awards Banquet on 3 November. Dr. Winston gave a talk on the world outreach of the IEEE and the impact of change on the IEEE. At the banquet we honored Ms. Kari M. Karwedski, the 2005 New Hampshire Young Engineer of the Year.

It has been rewarding to serve as Chair for the past two years. I look forward to continued involvement as Secretary over the next year.

Chuck Button, Past-Chair

### **3. ExCom Meetings**

For 2006 the ExCom will be meeting at 6:00 PM on the second Thursday of the month. The meetings in February and March will continue to be held at the Yard Seafood & Steak House Restaurant in Manchester. We hope to hold the ExCom meetings in other geographical areas of the state if suitable restaurants can be found. If you know of a nice restaurant that has a private meeting room please contact Tom Perkins at [tomperkins@ieee.org](mailto:tomperkins@ieee.org) or [NHIEEE@aol.org](mailto:NHIEEE@aol.org). By moving the meetings around we hope to get input from more of our members.

Any member of the Section is welcome to attend the ExCom meetings and get involved in the operation of YOUR Section.

At the January ExCom meeting Ron Tabroff, the Region 1 Membership Development Chair, made a presentation.

For a list of the ExCom members and their contact information please go to:

[http://ewh.ieee.org/r1/new\\_hampshire/Officers.html](http://ewh.ieee.org/r1/new_hampshire/Officers.html).

### **4. IEEE-USA Leadership Workshop**

Chuck Button will represent the Section at the 2006 IEEE-USA Leadership Workshop: Is It True "The World Is Flat?" to be held on 3-5 March at the Hyatt Regency Hotel at Union Station in St. Louis, MO.

This year's workshop will focus on the global market and what that means for our local members. The sessions will be geared toward helping them to understand and prepare for the Flattening of the Global Market. This year there will be plenary sessions that describe IEEE-USA's Career, Member, Professional Activities, and Government Relations Programs. The afternoon sessions will be divided into 4 tracks:

- Member Professional Activities Conferences (Mechanics and MPAC Programs)
- Government Relations: What You Can Do to Protect Your Interest
- Local Programs: Best Practices to Enhance Your Local Members' Competitiveness
- Roadmap or Roadkill: Employment and Career Advice

During the weekend, members will be challenged to think about the changes in the global environment within which they work. There will be interactive workshops that will offer new strategies to think about their role in society and how they can make a difference in their own lives and careers. In addition, participants will have the opportunity to hear from IEEE and IEEE-USA President-Elect Candidates, take part in the IEEE-USA Awards Dinner and Ceremony, and make recommendations to the IEEE-USA Board of Directors on the last day of the workshop.

## 5. Chapter News

### The Microwave Theory and Techniques Society Chapter

During 2005 we had six meetings. These included talks on a wide range of related subjects including Terahertz Technology, the Life of James C. Maxwell, Recent Advances in high Frequency Communication Modules and Circuits, New Low Cost Microwave Filter and Resonator Techniques, and Electromagnetic Field Theory. We were honored to have three MTT-S Distinguished Lecturers. Additionally a banquet was held in April to honor three local microwave engineers who recently earned the grade of IEEE Fellow. These outstanding engineers are Dr. James J. Komiak of Merrimack, Dr. Phillip M. Smith of Hollis and Dr. George L. Heiter who lives nearby in Massachusetts.

We anticipate holding two meetings in the Spring. The meetings will be held at BAE Systems headquarters in Nashua. Look for future meeting announcements on the NHIEEE web site, e-mailings, and the IEEE Reflector.

### The Computer Society Chapter

The CS Chapter will hold a meeting on **Tuesday January 24** at 5 to 6 PM. Tim Burke of Red Hat will give a presentation on Open source development & productization: how Red Hat balances its role as community steward and purveyor of enterprise products.

The chapter will also hold a meeting on **Tuesday February 21** at 5 to 6 PM. Lowell Williams will give a presentation on Be Accessible! The Web Accessibility Initiative

The chapter holds its meetings in the Walker Auditorium of Robert Frost Hall at the SNHU. For more information contact Jim Isaak at [snhu2004alt@JimIsaak.com](mailto:snhu2004alt@JimIsaak.com).

## 6. Housekeeping

If you have any suggestions for improving this newsletter please contact the Editor, Jim Anderson, at [james-w-anderson@ieee.org](mailto:james-w-anderson@ieee.org).

If you wish to be removed from the mailing list or change your email address, please send an email to the NH Section Administrator, Donna Davis, at [NHIEEE@aol.com](mailto:NHIEEE@aol.com).