



Worcester County IEEE

Newsletter

November

1997

Worcester Section/PACE **Dancing Engineers?**

Larry G. Nelson Sr., Section Chairman

Friday, November 14th, 7 PM to 9 PM, Trinity Church, Northboro

A professional dance instructor will guide us through some basic dance steps for Waltz and Foxtrot. The cost for this will be \$10.00 per couple for IEEE members with guest and \$20.00 per couple for non members. If you are a member but your partner is not the cost is \$10.00 for both of you.

Worcester Section - Computer Society **Oracle8 - the Database for Network Computing**

Dr. Samuel DeFazio

Director of Object Database Technology, Oracle Corporation

Monday, November 17, 1997 at 7:00 PM, Pencil Pushers, Burlington

This presentation will cover the new features of Oracle8 that have been developed to accommodate the requirements of network computing.

Worcester County Section **Christmas Party**

Friday, December 12 at 6:30 PM, El Morroco, Worcester

The Section is having a Christmas party. The cost is \$10.00 per person. Please contact Larry Nelson if you plan on attending (see inside for details).

Worcester Section - Computer Society **Internet-Enabled Application Development with Delphi 3**

Darren Forcier, Forcier Computers

Monday, December 15, 1997 at 7:00 PM, Pencil Pushers, Burlington

Database-driven web page generation; creating web page, ActiveX components within Delphi 3; ActiveForm and deploying Delphi applications via the Internet Explorer.

CNEC to Continue

Larry G. Nelson Sr.

The Central New England Council met a few weeks ago and will continue with the Reflector and support for the Societies that do not have enough members in any one section to stand on their own in the area. Because of the changes in the rebate structure that happened a few years ago and the falling off of ELECTRO, the funds have just about run out. It was voted to access each Section for \$2.00 per member to

subsidize the costs of producing and mailing the Reflector. The Worcester County Section has been going along with this due to no negative response from the membership. If anyone has any questions about this please contact me so we can discuss any concerns at the next executive board meeting.

This year the Worcester County Section is represented on the board by Stan Tanenholtz who is serving as Treasurer for CNEC.

THE PACE PAGE

IEEE Women In Engineering Mentor Program

In January 1998, the IEEE Women in Engineering Committee (WIE) will be administering a mentoring program that encourages young women in junior high and high schools to pursue careers in mathematics, science and engineering.

This program, known as STAR (Student-Teacher and Research Engineer/Scientist), was developed in 1995 by the IEEE Electron Devices (EDS) and Microwave Theory and Techniques (MTTS) Societies to address the growing concern that girls are discouraged from careers in mathematics, science and engineering at a young age.

This educational outreach program promotes involvement of IEEE members with local junior high and high schools to inspire a positive image of engineering careers.

WIE involvement will broaden the scope of the program to give all IEEE entities an opportunity to participate.

For more information, call Cathy Downer, Corporate Activities, ext. 3929 at IEEE headquarters or <c.downer@ieee.org>.

National Engineers Week

National Engineers Week will be held this year on February 22-28, 1998. The IEEE is one of 17 sponsoring professional societies. Two popular events during the week are associated with pre-college education, the Discover“E” program and the Future City competition.

Solar Sprint Program

Larry G. Nelson Sr.

This year the Worcester County Section will again sponsor the Solar Sprint program at three different area schools. Three executive board members have come forward to act as mentors for the program and we look forward to guiding many sixth grade children thru the experience of performing engineering on a small scale.

The Junior Solar Sprint is a fun hands-on educational program for 6th, 7th and 8th grade students. The theoretical and hands-on engineering skills developed by the students

over the course of the program culminate in the construction of a solar powered vehicle model designed to complete a 20-meter, wire-guided sprint race. It is part of the U.S. Department of Energy's commitment to educate young people about renewable energy and the environment. Intended to be an annual program, it utilizes public and private-sector support to fulfill its goal of improving science education in middle/junior highs across the nation. This event began in 1990 as a pilot race and expanded to 10 regional competitions in 1991. This competition has grown in 1996 to 83 host sites in 26 states involving 100,000 students and 15,000 teachers.

Working in teams, the students are provided with kits that include a motor, and a photovoltaic panel. The chassis, wheels and transmission are made from any other materials. Students are encouraged to use math and science principles together with their creativity in a fun, hands-on educational program that stimulates enthusiasm for science at a crucial stage in their education.

For more information on this program check out the web site at <http://www.nrel.gov/business/education/SprintWeb/index.html>

Larry G. Nelson Sr.

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<http://www.ultranet.com/~nr>

Christmas Party

The Worcester County Section is having a Christmas party at the El Morroco on Friday December 12 at 6:30 PM. The cost is \$10.00 per person. Seating is limited so please contact Larry Nelson if you plan on attending. The El Morroco Restaurant is located on Wall Street in Worcester MA.

Larry G. Nelson Sr., L.Nelson@IEEE.ORG, 508-943-1075, 508-949-2914 FAX

Save The Date!

The Annual IEEE/ASME dinner meeting is scheduled for 2/5/98. The dinner speaker will be Dr. Beckman of the University of Wisconsin and his topic will be solar electric power. More details will be forthcoming in a future newsletter.

Oracle8 - the Database for Network Computing

Dr. Samuel DeFazio, Director of Object Database Technology, Oracle Corporation

This presentation will cover the new features of Oracle8 that have been developed to accommodate the requirements of network computing. The talk will cover Oracle8 support for larger numbers of users, larger databases, and lower cost computing. The talk will also encompass the Oracle8 object and extensibility technologies, system management and performance.

This meeting of the Worcester Section Computer Society, held in conjunction with the Delphi Developers Group of Greater Boston, will be held on Monday, November 17th, from 7:00 to 9:00 at Pencil Pushers - Tax Software, 10 New England Executive Park, Burlington, MA. For additional information contact Al Reinhart, DisCom Systems at 508-869-6417 or reinhart@DisCom.com.

Dancing Engineers?

Our Dancing Engineers sessions have been a great success so we are doing it again. Our next session of dancing engineers is scheduled for Friday Nov. 14 at the Trinity Church on Main street in Northboro. We are having an introduction to formal dancing. We have a professional dance instructor, Roxana Dumitriu, that will guide us through some basic dance steps for Waltz and Foxtrot. The cost for this will be \$10.00 per couple for IEEE members with guest and \$20.00 per couple for non members. If you are a member but your partner is not the cost is \$10.00 for both of you. Wear comfortable shoes and be prepared to have fun. The lesson will last for 2 hours from 7 PM to 9 PM.

There will be two more of these which we have scheduled for 3-13-98 and 5-8-98 so be sure to mark your calendar.

The Trinity Church is located at 23 Main Street in Northboro, Mass. (in Northboro, Main Street is also Route 20), one block east from Northboro Center. Northboro Center is at the intersections of Main Street, Route 135, and Church Street.

From Northboro Center, head east for one block and take the first left after the railroad tracks. This left will be between an Exxon gas station on the left and the "Trinity Church" on the right. Take your first right into the parking area of the Trinity Church and enter the church from the back door off the parking lot. Northboro Center is centrally located:

From the north or Worcester: Take Route 290 to the "Church Street" exit and head south, follow Church Street

to Northboro Center. From the east, this is the second set of exits from Route 495 and a left turn at the bottom of the exit ramp. From the west, this is the exit after the Route 140 exits in Shrewsbury and a turn right at the bottom of the exit ramp.

From Marlboro: Follow Route 20 East to Northboro Center.

From Westboro: Take Route 9 to the "Route 135 North" exit and follow to Northboro Center.

From Shrewsbury: Follow Route 20 East to Northboro Center.

I hope to see many of you there. Registration is not required but I really want to get some idea of how many of you will be attending so we can have sufficient refreshments. I want this to be a great time for all. If you know how to dance please come since there will be something for everyone. This is for anyone at any level of skill, from none to instructor. If you do not have a partner come along and we will try to match you with someone so you too can learn to dance.

If you are interested in attending please contact:

Larry G. Nelson Sr., Chairman
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Webster MA 01570

Internet-Enabled Application Development with Delphi 3

Darren Forcier, Forcier Computers

The Internet represents a vast area of challenges and opportunities for software developers in general and the Delphi developer in particular. This months presentation will cover the array of new Delphi 3 tools and technologies that open this door for the Delphi developer. It will include database-driven web page generation; creating web page, ActiveX components within Delphi 3; ActiveForms and deploying Delphi applications via the Internet Explorer; using the Delphi Internet Control Pack: to create Email, HTTP/HTML and NNTP enabled applications; and Delphi 3 Client/Server advanced tools: WebApplications, NSAPI, ISAPI, CGI, and WIN-CGI development.

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