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# The Advisor

Newsletter of the  
IEEE Phoenix Area  
Consultants Network

July 2001

Volume 8

Number 7

## PRESIDENT'S MESSAGE

**C. B. Johnson**

We had more than twelve people, including numerous first-time guests, at the June 14<sup>th</sup> PACN meeting at The Black-Eyed Pea in the Scottsdale Pavilions. Although I was out of town & didn't make it to this meeting I am told that it was very informative, and those who did attend learned lots about the "Hydrogen Economy."

I will miss our meeting again this month to retrace some of the

Lewis and Clark Expedition's travels along the Missouri River in Montana at that time. It seems that we are in the summer vacation period, and I will be gone for a month. After looking back at last year and realizing that I took no vacation, the decision was made to do something special this year. So I'm hooking up the trailer and heading as far north as Jasper National Park in Canada before turning around and heading back to Arizona. I plan to return with a few GB of digital photos, so be prepared.

We have scheduled an informal dinner meeting and networking session at 6:30 PM at for our next regular meeting date of July 12<sup>th</sup>. As usual, the location will be The Black-Eyed Pea Restaurant in the Scottsdale Pavilions. No special arrangements need to me made; just plan to attend by yourself, or bring someone with you, and engage in some good old-fashioned networking. The private dining room will be reserved for your use, and the meal will be "Dutch Treat." Will someone please take notes, and give me your comments on your meeting?

## IEEE PHOENIX AREA CONSULTANTS NETWORK MEETING NOTICE

### WHEN:

Thursday, July 14<sup>th</sup>, 2001

Social and check in at 6:30 PM, Dinner at 7:00 PM

Choice: Meeting participants may order from the regular menu. Meal options include soups, salads, burgers and fries, veggie plates, and American classics such as chicken-fried steak, baby-back ribs and pot pie.

Business meeting starts about 8 PM

### WHERE:

The Black-Eyed Pea Restaurant in the Scottsdale Pavilions. Located just off the Pima Freeway (Highway 101), at 8909 E. Indian Bend in Scottsdale.

Phone: (480) 348-0337

### COST:

Meal cost is between \$7 and \$12 per person. If you come at 7:30 or so and do not eat, there is no charge. **NOTE:** Since January 2000, each visitor has been allowed three "free" meetings (that is, the same cost as members), after which there will be a \$10.00 surcharge.

### PROGRAM:

**NETWORKING AND SOCIAL EVENT:** This month there will be no speaker or special presentation. Just come enjoy a meal and socialize with colleagues.

### RESERVATIONS APPRECIATED:

Advanced reservations are always appreciated, so please email your reservations to Lane Garrett at [lanegarret@aol.com](mailto:lanegarret@aol.com) at your earliest convenience.

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The IEEE Phoenix Area Consultants Network (PACN) is an organization of professionals representing all technical disciplines. We meet once a month at a local restaurant for dinner followed by a presentation of a topic related to the field of consulting. The PACN offers:

- A web site for posting your resume
- The opportunity to network job possibilities
- Affiliation with the IEEE national consulting organization
- The opportunity to hone the skills needed to market your service.
- A friendly, informal atmosphere in which to continue to move your career forward.

Contact Bruce Johnson at [bruce.johnson@ieee.org](mailto:bruce.johnson@ieee.org), or 480-759-2826 to become a PACN member.

### URL's Of Possible Interest

The following URL's may be of interest to IEEE PACN members:

❖ [www.ieeeusa.org/business/](http://www.ieeeusa.org/business/)

This is the home of the IEEE's Consultant's Networks, plus resources for entrepreneurs, researchers, and others seeking information on grant and business opportunities

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URL's - Continued from Page 1

❖ www.consultme.com

This web page provides a directory of consultants. Services are listed by skill, specialty, name company name or professional title, and by location and availability. There is a fee for this service.

❖ www.ieeeusa.org/employment/global

Here is the place to access the IEEE-USA's Web Employment. These services, a benchmark in the industry, are being made available and promoted to IEEE members worldwide. A new global employment services Web page describes how job seekers and employers outside the United States can avail themselves of the organization's Job Listing Service, Resume Referral service and consultants database. The site also contains an invitation for non-U.S. regions and sections to contact IEEE-USA for assistance in promoting these services to their members.

❖ www.ieeeusa.org

The above is a good general website for all of us in the PACN. All IEEE PACN members, who are IEEE members, are strongly encouraged to obtain an IEEE email address, i.e. SMTL. You may do this quickly by starting at this URL.

❖ www.JobsArizona.com

This local URL often contains requests for consulting services.

❖ http://ewh.ieee.org/r6/phoenix

This is the URL for the IEEE Phoenix Chapter.

❖ http://azhttp.net

The Arizona High-Tech Talent Partnership is a Chandler based organization deals with all issues and solutions regarding Workforce Development in Arizona.

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EDITOR'S NOTES

June was a very busy month at Nakota Software. I finished one project (an interesting security-related application with lots of signal processing issues) and started another. Consequently my other activities have suffered. I realized that we didn't have a meeting topic planned for July, but procrastinated until it was too late to line up a speaker. But there's nothing wrong

with a social meeting, and we missed our usual one (the picnic) in May.

The presentation at the June meeting was an interesting one, and the discussion was lively. I for one thought we spent too much time on the pros and cons of nuclear power. I'm more interested in the logistics of widespread deployment of hydrogen as a motor fuel, and the cost. If you look at the alternatives, you see why we use fossil fuels now: they're cheap. But at the rate things are going, hydrogen will make economic sense very soon.

I've really been enjoying finally having broadband internet access. That said, I must admit (a) there are sure a lot of slow web sites out there and (b) I still haven't gotten my proxy working so I can access DSL on the other computers via my LA. For that I'm using SOCKS5, which is available as a free download (for noncommercial purposes, which I assume means you won't be running a server) from the NEC web site. The other systems connect to the proxy but it rejects them a few seconds later with a mysterious "version compatibility" error. Oh well; if the Linux group can't help me I can also resort to looking at the source code.

I've also been shopping for notebooks again. My Winbook would still be adequate, if it wasn't literally falling apart. Admittedly, I've put it through a lot of abuse, but nothing extreme. Maybe it's a planned obsolescence thing. Anyway, I was impressed by the good deals that are available now. For example, Gateway has a medium-grade Solo starting at \$1800. I would definitely spend another \$100 to max out the RAM (to 256K) if I got one. Also, there's a software product called VMWare I intend to try. It allows you to install Linux on a system and run Windows on top of it as a virtual machine. Supposedly, if Windows crashes in VMWare, only the virtual machine crashes, not the system. Bill's operating system may actually be tolerable in such a situation.

I was listening to NPR the other day and heard a brief tidbit about alternate news outlets on the Internet. I'm familiar with both sites they mentioned- "Slashdot", the Linux-oriented computer geek site, and "Altnet", which is a politically oriented news site with a liberal slant. Both sites are in the black financially. I understand that Slashdot survives mainly by selling advertising. Altnet resells articles to print publications and gets monetary grants from non-profit foundations. In any case, this is good news for anyone who (a) hopes to find a way

to make money off the Internet in these trouble times, and (b) hates the mainstream media as much as I do.

Once again, I've rambled long enough. Hope to see you all at the July meeting!

Vaughn L. Treude, Editor

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MEETING NOTICES

JULY 12<sup>th</sup> MEETING

This will be an informal social and networking gathering. See notice on page one for more information.

FUTURE MEETINGS

We do plan to have continue having our "second Thursday" monthly meetings throughout the year. This year, we (in the Executive Board) have been too busy to meet for the last several months, this accounts for the woeful lack of planning as compared with previous years. We'll keep you posted, and if anyone knows of a good speaker or a topic you'd like to see presented, please email the editor at vaughn@nakota-software.com

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OTHER MEETINGS OF INTEREST

We will gladly list other meetings of interest in this space. Contact the editor of this newsletter. We only ask that the meetings be of professional interest to our members. They do not have to be IEEE meetings.

The Phoenix Chapter of the Independent Computer Consultants Association (ICCA) meets the second Tuesday of each month (July 10<sup>th</sup> this month) with programs of interest to computer consultants, programming contractors, and others in the computer industry. Meetings are held at the West Coast Executive Park Hotel, 1100 North Central Avenue (just south of the Deck Park over I-10.) Meetings start at 6 PM for cocktails, 6:45 for dinner and 7:15 for the program (usually a guest speaker.) The cost of dinner is \$20 for members and \$25 for guests. Attending the meeting only is free for members and \$5 for guests. Call the ICCA hotline at 602-942-0667 for more information, or see www.weyrich.com/mall/az-icca/meeting-map.html.

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Editor: Vaughn Treude (623) 412-0916

Executive Board

- President: C. Bruce Johnson (480) 759-2826
Vice President: Lane Garrett (480) 991-8272
Secretary: Russell Johnson (480) 991-3787
Treasurer: Bil Morgan (480) 921-4094
Membership Chair: Paul Everett (480) 706-4753
Publications Chair: Vaughn Treude (602) 750-3662

*Meetings - Continued from Page 2*

**Tempe Tech Oasis "Techie Tuesday" –**

A Techie Tuesday is a chance to get together with friends and colleagues, talk business, talk shop, whatever you like... This event is held monthly at 6 PM on the second Tuesday evening of the month. This month's meeting will be held on May 8th at the Bash on Ash at 230 West 5<sup>th</sup> Street (at the intersection of Ash, of course) in Tempe. Further info is at <http://www.bashonash.com> The sponsor of this event is the Tempe Tech Oasis Alliance. For more information, see [www.downtowntempe.com/TechieTuesdays.html](http://www.downtowntempe.com/TechieTuesdays.html)

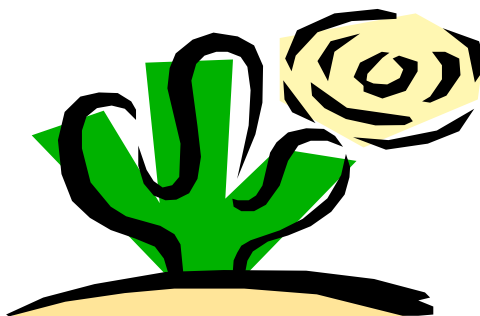
Monthly Tech Oasis events are now also being held at two other valley locations. The **Scottsdale Airpark Tech Oasis** is at 5:30 PM on Tuesday, July 17th, at Jilly's American Grill, 7301 E. Butherus Dr. in Scottsdale. The **Copper Square** (Downtown Phoenix) event, which is being held in conjunction with

**AZIPA**, is at 5:30 PM on Monday July 23rd at the Arizona Science Center at 600 E. Washington.

**The Phoenix Linux User's Group (PLUG)** meets at 7 PM on the second Thursday of each month (an unfortunate time conflict!) at the Sequoia Charter School at 1460 S Horne, Mesa, AZ 85204. Membership in PLUG is

currently free to anyone that wants to join. A new **West-Side Chapter** of PLUG has been formed. Meetings are on the last Thursday of each month (July 26th) at 7 PM in Conference Room 1 of the Technology Center at Glendale Community College (just north of the library.)

**The Arizona Macintosh User's Group (AMUG)** is having a Mac Intro Night at 5:30 PM on Thursday, July 19th. This is an opportunity to learn how to get started on the Mac, and what Mac is right for you. AMUG meetings are held monthly at the National Guard Armory, which is on McDowell, one traffic light east of the light at McDowell and 52nd Street. The guard at the gate can direct you to the armory. The meeting is held in Building 101, the Russell Auditorium.



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**Internet Resources:** The IEEE Phoenix Area Consultants Network maintains a web site with resumes of all members who wish to post one. It is a member benefit that is paid for in your membership fees. In addition there is a national directory of consultants and a national web site maintained by IEEE. PACN member web sites are listed below:

**ADVISOR MEMBER LIST**

**July 2001**

Name	Phone	FAX	email	Area of Expertise
Baxter, Dr. Gene K., P.E.	480-832-7744	480-832-7744	baxter@forensicgroup.com	Forensic mech. engineer, prod. liability, personal injury
Everett, Paul M.	480-706-4753	480-706-4753	peverett@everettinfrared.com	Electro-optics / Infrared technology
Garrett, Lane S., PE, CEM	480-966-1380	480-966-1516	lanegarret@aol.com	New product development, alternative energy
Gerke, Daryl, P.E.	480-755-0080	480-838-9605	dgerke@emiguru.com	Electromagnetic interference and compatibility
Goldstein, Mark A.	602-470-0389	602-470-0389	markg@xroads.com	Information brokering, market research
Johnson, Dr. C. Bruce	480-759-2826	480-759-2826	bruce.johnson@ieee.org	New product development, night vision, optical sensors
Johnson, Russell R.	480-991-3787		rjohnkozar@aol.com	Program / project and quality management
Jones, Clark	480-345-3638	480-345-8793	jones@tempe.tt.slb.com	
Kawam, Elias A.	480-706-8561	480-706-8587	eklatek@yahoo.com	Space power
Koch, Edward, Jr.	602-953-2111	602-953-2111	ekochjr@worldnet.att.net	SW Project / program mgmt, embedded systems
Lacey, Herman E.				(Sorry, no info at this time!)
Leverance, Neil C.	480-981-8883	480-981-5117	nLever@ieee.org	Control sys., meas. & test, automation, PLC's
Maltenfort, Andrew J.	480-704-6250	480-759-3801	maltenfort@arowave.com	Photonics, fiber optics, sensors, integrated optics
Morgan, William D.	480-921-4094	480-921-4094	bmorgan@amug.org	Software design and development- Macintosh
Polischuk, Andre	602-482-0890	602-482-3979	apolischuk@aol.com	
Rose, Robert C.	480-595-1187		bob.rose@ieee.org	
Sprague, Ronald L., PE	480-962-8183	480-962-8183	r.sprague@ieee.org	Power Engineer
Sullivan, Robert M.	480-948-3242	480-948-3242	sully@goodnet.com	Product development: high perform. tech. computer pkg
Tannehill, Richard L., PE	623-435-9584	623-435-9584	rickw7rt@firstinter.net	Telecommunications
Treude, Vaughn L.	623-412-0916	623-412-0916	v.treude@ieee.org	Software design & development, SECS/GEM, industrial

**MEMBER WEB SITES**

**PACN Site: [www.etaengineering.com/ieeephx.html](http://www.etaengineering.com/ieeephx.html)**

Paul M. Everett	<a href="http://www.everettinfrared.com">www.everettinfrared.com</a>	Lane S. Garret	<a href="http://www.etaengineering.com">www.etaengineering.com</a>
Daryl Gerke	<a href="http://www.emiguru.com">www.emiguru.com</a>	Mark A. Goldstein	<a href="http://www.researchedge.com">www.researchedge.com</a>
C. Bruce Johnson	<a href="http://www.JohnsonScientificGroupInc.com">www.JohnsonScientificGroupInc.com</a>	Andrew J. Maltenfort	<a href="http://www.arowave.com">www.arowave.com</a>
William D. Morgan	<a href="http://www.amug.org/~bmorgan">www.amug.org/~bmorgan</a>	Robert C. Rose	<a href="http://www.gshelp4u.com">www.gshelp4u.com</a>
Richard L. Tannehill	<a href="http://members.firstinter.net/rickw7rt">members.firstinter.net/rickw7rt</a>	Vaughn L. Treude	<a href="http://www.nakota-software.com">www.nakota-software.com</a>