

Newsletter of the
Area Consultants
November 2002
Volume 9

The Advisor A

IEEE Phoenix
Network

Number 11

PRESIDENT'S MESSAGE

Our November meeting is on the 14th. Lane Garrett was going to talk about all solar powered buildings, but he had to drop out at the last minute to attend a show in Las Vegas. He says it's an industry show. In any case, this put us in the position of not having a speaker for this month. Since I am the one whose feet will be held to the fire if no one shows up and since I have a talk about remote temperature sensing more or less ready, I will fill in on the 14th. Remote temperature sensing is one of the mainstays of our business, and we (two of my associates and myself) have designed a number of infrared temperature sensors for industrial and commercial applications. First I will discuss the principles behind the operation of these devices in a way that can be understood and appreciated by any engineer – even a chemical engineer. That will lead into the electronics that extracts the temperature from the intensity of the infrared radiation – not in any detail but just enough to know what is going on. Finally, I will describe some examples of these devices such as aircraft and road icing sensors, induction furnace controllers and our latest, a sensor to measure the internal body temperature of cows without shoving a probe into an unwilling orifice.

As usual, the meeting will be held at Monti's at Mill Ave and Rio Salado Parkway in Tempe. Festivities will start at 6:30 PM with networking and general discussion of world events. Dinner will be around 7 with the talk about 8. At least that's the plan.

The 2002 Consultants Workshop will be held November 9 at the Hilton Phoenix East in Mesa. That is this Saturday. It will be really worth attending. The list of speakers is now out, and we have some of the very best. Gary Blank and Irwin Weitman spoke at our Workshop three years ago. They were both excellent and both are back this time. We will also have some very good local speakers including Jim Soudriette, Glen Madland and Lane Garrett. The Workshop

will start at 7:30 AM
with a continental
breakfast and end

around 5 PM. In between we will have a couple snack breaks and a very good lunch. The attached registration form lists the program and the rest of the details. PACN members, of course, get a price break. If you talk very nicely to Bill Morgan you can probably get him to give the advance registration price if you register quickly. That saves you \$20. You get a big book that has copies of all the presentation slides, and there will be door prizes. The benefit you will get by listening to, meeting and networking with consultants from across the country will far outweigh any registration fee. A pocket PC (Windows operating system) will be given to some lucky attendee as a door prize. Unfortunately, those of us on the organizing committee are not eligible, but that increases the chances for the rest of you.

Again we are having the Executive Board meeting at ETA prior to the Thursday dinner meeting. ETA is located 2010 E. University, and the Board will start at 5 PM. As always, any member is welcome to attend, but please let me know in advance if you are coming so we can make sure we have a seat for you. You can just send an email to peverett@everettinfrared.com or call me at 480-706-4753. The board is setting up the programs for next year. We have programs tentatively identified for the first three months but are still working out the details. We should be ready to announce the speakers in next month's *Advisor*. If you have any suggestions for speakers please forward them to me or any other board member. All input will be appreciated.

Our annual business meeting and roundtable discussion on the State of the Network will be on December 12. As usual, the terms of two Board members expire this time around. Russ Johnson has decided not to seek re-election. Bruce Johnson, our current Vice-President and immediate past President has agreed to continue if elected. If you would like to serve on

the Board, please let me know as soon as possible so that we can put your name in next month's *Advisor* and let the members know that you are running.

On a personal note, I would like to thank Russ Johnson for his many years of dedicated service on the Board. Russ was on the Board when I first joined PACN many years ago. Since I have been on the Board, I have come to appreciate greatly Russ' contributions to this organization. Whenever there was something that needed to be done, Russ was always first in line to do it, and whatever it was was done correctly and on time. All of us will miss Russ' presence on the Board. However, he has done more than his share, and we can certainly understand his desire to let someone else contribute.

Vaughn Treude is continuing to make improvements to our web site. Check it out at www.ieeepacn.com. We really need to get your resume put on the web site if it isn't there already. Put one together and send it to Vaughn at vaughn@nakota-software.com. Also include a list of your areas of expertise. If you already have your resume posted on the web (say at your own web site), we can put a link to it in place of your resume. A couple of our members requested this so that they don't have duplicate resumes out there to keep up to date.

Live long and prosper. See you on the 9th and the 14th.

The upcoming meetings and programs are:

- * November 14 – Paul Everett will discuss infrared temperature sensors
- * December 12 – Annual business meeting and roundtable discussion

EDITOR'S MESSAGE

Unfortunately I don't really have a lot of time to invest in the *Advisor* this month. About the time that you'll be eating dinner at Monti's, I'll be eating Friday lunch in Melbourne, Australia. And between now and the time when I have to be at Sky Harbor on Wednesday, I'll be attending our workshop on Saturday, and the Mensa "Forum" on Friday. Plus I have to find some time to wash and pack my clothes!

Vaughn Treude has said that he'll get the December *Advisor* out, as I won't be back in time to do it, though I should be able to make December's meeting. (I'm glad that I won't miss Lane Garrett's talk, but Paul Everett's talk also sounds like a really interesting one that I am going to regret missing.)

ANOTHER GROUP'S EVENT

I thought I would mention that Friday night, November 8th, will be Mensa's monthly "Forum" (lecture). This month's subject is a presentation by Mike Waters who, with Les Rees, is working on sailing around the world on a 45 foot sailboat. They're currently taking a "vacation" from this, and back in Phoenix to "recharge the checkbook". I've seen the presentation three times, and it is very interesting, centering mostly on the South Pacific (that's where they got the digital camera).

The Forum is at 7:00 PM at the Pyle Adult Center, which is the first building west of the Tempe Public Library, southwest corner of Southern and Rural. At about 9:15 (after the Forum) some will retire to the Uptown Brewery, which is about a mile east of the Pyle Center.

Mensa rules state that any "prospective member" may attend three meetings without joining. The only times I've seen this enforced was when someone was being a nuisance to existing members.

Contact Info:

Editor: Clark Jones (480)641-7801

Executive Board

President: Paul Everett (480)706-4753
Vice President: C. Bruce Johnson (480)759-2826
Secretary: Ron Sprague (480)962-8183
Treasurer: Bill Morgan (480)921-4094
Membership Chair: Russ Johnson (480)991-3787
Member at Large: Lane Garrett (480)966-1380
Member at Large: Vaughn Treude (602)750-3662