



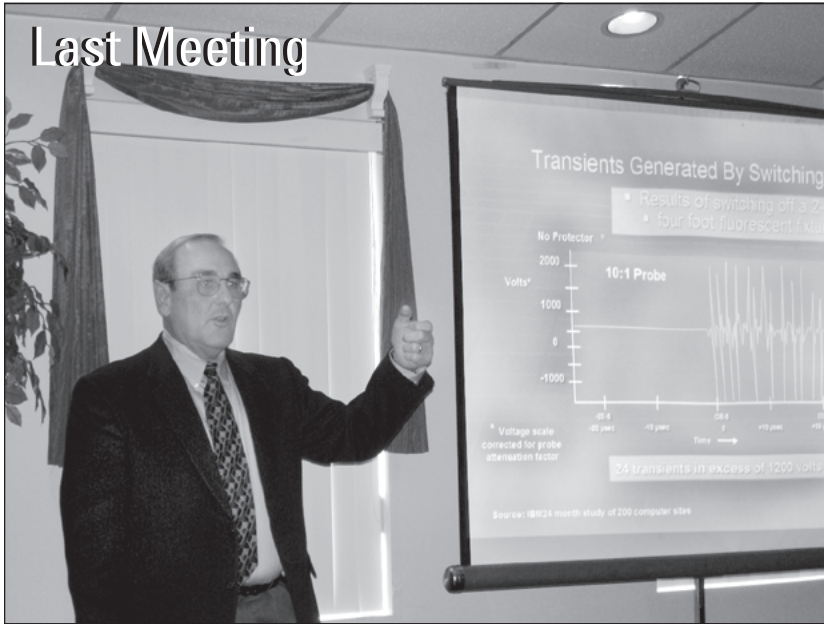
CHAPTER TWENTY NEWS

society of broadcast engineers
pittsburgh chapter

March 2005

Volume 13 Number 3

Last Meeting



Ron shows the transients that can be produced just by switching off a fluorescent light.

The February meeting was held at Gaetano's on the 17th with over twenty in attendance. Attendees included people from Erie and Youngstown. Chairman Bob Jordan discussed the latest info on the annual Expo arrangements.

Frequency Coordinator Otto Shellin of WPXI, had a presentation on Nextel's relocation plans for the 2 ghz BAS band. The presentation included both the history and the current news. Otto made some educated predictions on when the Pittsburgh market would be affected. He told how the relocation would be approached.

Ron Stooft, president of R. M. Stooft and Associates, Pittsburgh, gave a presentation on power protection solutions. The company has specialized in Power Quality Improvement and Power Protection for the past twelve years.

Ron included discussions on the source of power problems, the affect they have on typical electronic systems, and what can be done about it. He said his company seeks to identify and solve the cause and effect related to each customer's acceptable level of power quality. He said this includes broadcast type facilities.

Ron will be doing a series of articles on power problems for The Chapter 20 News. The first one is on page 2 of this issue. R. M. Stooft's web site is www.rmstooft.com.

NOTE SPECIAL MEETING DATE AND LOCATION:

The March Luncheon Meeting is 12 noon, Thursday, March 24, 2005. Meeting and luncheon to be held at: VIEWPOINT PRODUCTION SERVICES, 415 Mt. Nebo Road.

Our business meeting and lunch will be at the normal time. Sony is expected to do a talk on their XD Cam equipment that will be on display. Then we can go right into Viewpoint's "Las Vegas Casino-style" Open House that starts at 1:00PM and lasts until 9:00 P.M.

Viewpoint's newest rental products are featured: Sony 3 CCD "HDV" HD 25 Mbps DV-based camcorder. Sony HDV deck with 16:9 and 4:3 down converted SD output. Sony XDCAM Optical disk camcorder. It operates at 25Mbps DV and 50Mbps IMX. Sony will also show the half-rack XDCAM record/play editing deck.

Questions? Call Viewpoint at 412-369-7171.

Directions: Exit I-279 at Camp Horne Road exit. If coming from Pittsburgh, turn right onto Camp Horne Rd. If coming from the north, turn left onto Camp Horne Rd. At first intersection, turn left onto Mt. Nebo Rd. Viewpoint is about 1 mile on the left.

Next Meeting

Thursday, March 24
12 noon

Come at 11:30 to shoot the breeze

**Sony XD Cam &
Viewpoint's Open House**

at
Viewpoint Production Services
415 Mt. Nebo Road
See article above for directions
Lunch fee \$7 (or maybe less)

NOTE SPECIAL MEETING DATE AND LOCATION:



Chairman's Corner

2005 Regional Broadcast Expo – "Riding the Explosion"

Bob Jordan, CPBE
bjordan@wpxi.com

At the time the February newsletter went to press, we hadn't quite nailed down the location for the 2005 Regional Broadcast Expo. We've now done that, and to make it all work, we had to change the dates from what I reported to you in my column last month.

We are now very pleased to announce that the 2005 Pittsburgh Regional Broadcast Expo will take place October 20 (exhibitor setup on the 19th) at the Pittsburgh Radisson - Greentree.

Location is everything, and whether you're an exhibitor or an attendee, you're going to love this location. It's convenient to downtown, the airport, and the interstates. The facility has been beautifully renovated, and the hotel has great amenities, including both formal and quickie restaurants.

We've more than turned the corner with digital television, and 2005 promises to literally explode with programming and technology. As broadcasters, we want to stay on top of all of it, so the theme for this year's expo is "Riding the Explosion."

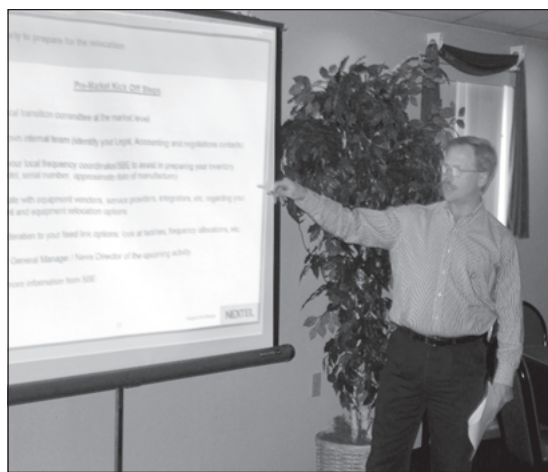
Plans for the show are now well underway, and we're excited. New this year is going to be a chance to come early and enjoy breakfast while listening to a talk by a well known industry professional.

And something else that's starting to take shape for this year is the "Cyber Café." Don't know what that is? Well, we're not sure either, but I think you're going to like it.

If you're a vendor, you should be seeing the first mailing in just a couple of weeks, with complete kits to follow in June.

Over the summer we'll be firming up speaker and seminar details, and attendee mailings should start to go out in August.

In the meantime, just keep watching this newsletter for more details.



Otto going over "Pre-market Kick Off" Steps.

Do you have SECURITY if your front door is locked, but your back door is open?

Ron Stooft
R. M. Stooft & Associates, Inc.
rmstooft@comcast.net

Webster defines "security" as: protection or defense against attack; interference; espionage; etc.

If we know we have to lock the front door and the back door to provide security, why then would we protect only the front door to our Power Distribution Network?

We have to stop or reduce the impact of unwanted transient voltage surges caused by lightning, power company grid switching, motor generators, and any other interferences from impacting our facilities electrical security. Transient voltage surges cause 88.5% of all power related failures.

In 1974, George Allen and Don Segall of IBM System Development Division, submitted the results of a study titled, "Monitoring of Computer Installations for Power Line Disturbances" at an IEEE Power Engineering Society meeting. The study was over a 24 month period and included 200 computer sites. The results of their study showed 88.5% of all harmful power line disturbances were transient-related, while the remaining 11.5% were attributed to under/overvoltages and voltage outages.

With these results, it's clear to see that if we rely on an uninterruptible power supply (UPS) to protect our facility from transient voltage surges, we are not addressing the major portion of the problem - as identified by Allen and Segall in their study.

With the cost of equipment, threat of damage, and possible systems failure, adding surge suppression to the utility power entrance, motor generator power entrance, and the distribution panel supporting your critical systems electronics is keeping both the front and back doors secure.

Security is only expensive if you don't have it.



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Society of Broadcast Engineers
Chapter 20
P.O. Box 16312
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Web page <http://www.broadcast.net/~sbe20>

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412-237-1174
724-873-0800
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