



CHAPTER TWENTY NEWS

society of broadcast engineers
pittsburgh chapter

June 2007

Volume 15 Number 6

Next Meeting

The June meeting, last meeting until September, will be held June 21 at Gaetano's Restaurant on Banksville Rd. at 7 PM. The topic will be our annual NAB review by John Humphrey. He will be assisted by others from this area who attended the 2007 NAB convention in Las Vegas. Details of the upcoming RF Safety course, scheduled for July 25, will also be available.

Directions to Gaetano's: Use the Rt.19 South (Banksville Rd.) exit when coming out of town. Use the Greentree exit and Carnahan down to Banksville Rd. when coming in.

RF Safety Course for Broadcast Engineers, July 25 in Pittsburgh

The Society of Broadcast Engineers has added additional RF Safety Courses, due to the response received for the first course on June 27. Chapter 20 has registered to take part in the one to be held on Wednesday, July 25 from 2:00 pm to 5:30 pm EDT. Location has not been announced as of yet.

The SBE RF Safety Courses are delivered via web conference and are designed for broadcast station personnel such as chief and assistant chief engineers, transmitter site engineers, ENG and SNG maintenance personnel and management that need to have an understanding of RF safety issues and regulations. Instructing the courses will be noted RF safety expert, Richard Strickland of RF Safety Solutions.

The SBE RF Safety Course has been approved for one SBE recertification credit.

Course Description & Content

The SBE RF Safety Course provides an overview of RF radiation issues for broadcasters.

- Biological effects of RF radiation and the distinct differences between RF radiation and ionizing radiation
- FCC and OSHA regulations - what they are and what you need to do to comply
- Workplace hazards
 - Transmitter Sites
 - SNG and ENG trucks
 - Remote operations (where news personnel can find problems such as on rooftops)
 - The unique issues at AM stations
- RF hazard protection equipment - you may not need it but your contractors probably will
 - Signs - what they mean and what you need



Musings of a Consultant

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SOA has been on my mind of late. It is neither a disease, nor a new company, but rather a class of middleware, "Service Oriented Architecture." It acts as a traffic cop, allowing applications to pass objects to each other, in our case media objects like video and audio files and their metadata.

But more than that SOA provides a framework where work flow can be defined and controlled. For instance, if a file needs to be processed for web delivery after it airs in a news cast the SOA manager would pull the finished story and pass it to an engine which might change the aspect ratio, compression algorithm from MPEG2 to H.264, adapt the color space to work on cell phones, and modify the audio to work well on tiny speakers and headphones. The SOA manager doesn't do the work, it merely defines what has to happen and finds the appropriate tools to do it, managing the content along the way and communicating the metadata to the applications and final storage.

SOA was not invented for media purposes, but you may well find it operating in lots of places in the future."

Next Meeting

June 21 @ 7:00 p.m.

2007 NAB Review

by John Humphrey
Azcar

& local 2007 NAB Attendees

Gaetano's

1617 Banksville Rd., Pgh.

Each participant will receive a course "hand-out" via e-mail prior to the course. Those who complete the course will receive a certificate of completion through the mail from the Society of Broadcast Engineers.

It is recommended that persons taking the SBE RF Safety Course have at least a basic knowledge of electronics and understand the concept of frequency.

Participant Registration:

Each participant must be registered for the course. Registrations must be received by 5:00 pm EDT on Tuesday, June 26.

Course Fee: \$75 per participant

To register, complete the registration pdf form on our Chapter 20 web page (www.sbe20.org) and e-mail to the SBE National Office at RFSafetyCourse@sbe.org, or fill out and fax or mail to the SBE the form included in this newsletter.

Questions? Call SBE at (317) 846-9000

Cancellation Policy

Participant cancellations will be accepted up to ten business days prior to the course and will receive a full refund, minus a \$15 cancellation fee. Cancellations received less than 10 business days prior to the course will not be eligible for a refund. The SBE reserves the right to cancel or reschedule a course due to insufficient participant registration.

About our Instructor, Richard Strickland:

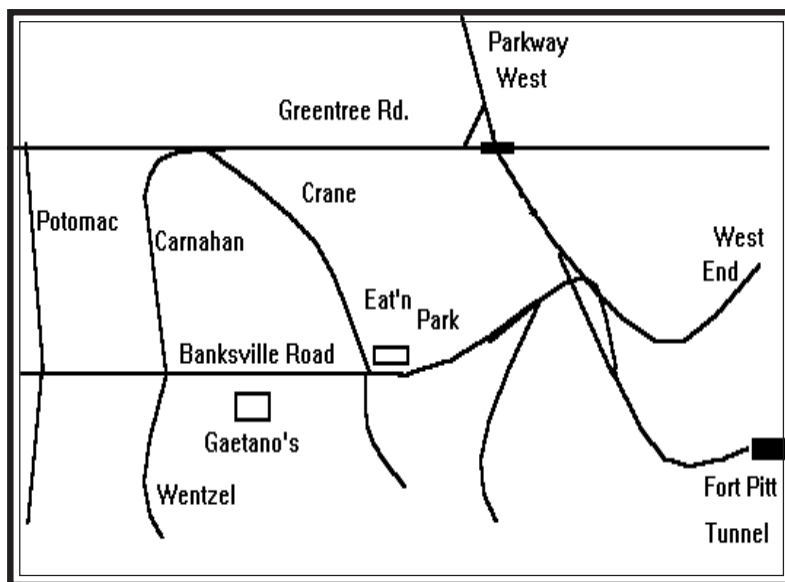
Richard Strickland founded RF Safety Solutions in 2001 after ten years as Director of Business Development for Narda Safety Test Solutions, the world's leading supplier of RF safety measurement and monitoring products. As director of the RF safety business at Narda, Mr. Strickland determined which products were developed and their performance characteristics. He frequently functioned as program manager, as he did with the Nardalert XT RF personal monitor. He initiated the development of RF radiation training courses at Narda and has conducted courses ranging from

basic employee awareness seminars to in-depth application specific courses. Audiences have included environmental health and safety professionals, engineers, technicians, attorneys, communications industry professional consulting engineers and senior managers of major corporations, government organizations, and professional groups.

In-house course clients include the National Association of Broadcasters, National Public Radio, Sony, Motorola, NYNEX Mobile, ABC, CapRock, the U.S. Army, Bell Atlantic Mobile, Ameritech, Primeco, NORTEL, Texas Instruments, and Northrup-Grumman. He has been both a featured speaker and a member of the radio frequency radiation panel at the National Association of Broadcasters, the Radio Club of America, and the International Wireless Conference and Exposition.

Mr. Strickland has provided consulting and training services to ABC Radio, ABC Television, British Aerospace, Cornell University, ESPN, Lockheed Martin Corporation, NBC, Raytheon Corporation, SpectraSite Communications, Trinity Broadcasting and the U.S. Coast Guard. He holds an MBA from the University of Massachusetts and a B.A. in Physics from Bridgewater College. He has had more than 35 articles on RF safety, high-power amplifiers and radomes published and has conducted more than 150 public and in-house training courses on RF safety and measurement. SBE is pleased to have Mr. Strickland serve as our instructor for this course.

Map to Gaetano's



Chapter Twenty News is published monthly
(except July & August) by

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