



The *ORC* Newsletter

Official publication of the Ozaukee Radio Club, Inc. Mail all contributions to the editor, Tom Ruhlmann, W9IPR, 465 Beechwood Dr., Cedarburg WI 53012 (phone 262 377-6945). Permission to reprint articles published in any issue is granted provided the author and the Ozaukee Radio Club Newsletter are credited.



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The Prez Sez

By Tom Ruhlmann (W9IPR))

Again, another busy but productive month.

I finally succumb to the ranting of Ron Yokes (W9BCK) and joined the Quarter Century Wireless Club. It requires having a license for 25 years so I guess I have been eligible these past 28 years but no one before had asked me to join. I think that is the way with most of us – we don't volunteer but wait to be asked. In this case it cost me 28 years of lost friendships and enlightening activities. They had a meeting on the 4th and one of the members had brought some WWII field radio equipment for the group to review and then gave a talk about the different theaters in which the equipment was used. It was really pretty interesting. If you would like to participate, contact Ron Yokes rather than waiting to be asked.

Then the activity picked up with Ed Frac (AA9WW) being appointed to serve the balance of the term of the newly approved position of 2nd VP. While the Board has not yet defined all of Ed's duties, he will initially be responsible for the Corn Roast - so call Ed if you want to volunteer as chairman or for one of the many tasks associated with the "roast". Since Ed is already on the Membership Committee as the "Mentoring" director, he will also have overall responsibility for the membership committee of which Paul Schumacher (KB9FM) is chairman and Dave Barrows (N9UNR) is the retention director.

And the next thing I knew, Channel 6 and Gus Gnorski were pulling into my driveway. Naomi Potash (KC9GSS) had arranged for them to do an interview about the ORC and field day on the Thursday prior. We found out Wednesday that

they would be here and we set up a tent, thanks to Greg (W9DHI), and set up two stations operating in my back yard using portable antenna and a very long extension cord – yes, it all worked.



This FOX 6 truck really got the neighbors attention and they were soon in the back yard monitoring the FOX 6 - ORC production.

At 7:45 AM Gus interviewed me concerning amateur radio, the ORC and field day in general.

Then at 8:45 AM he interviewed Jon Gilmore (KB9RHZ) about OZARES.

Several were here from the club to help with the production and consume the donuts and coffee.

My special thanks to Naomi, Mark, Gary, Paul, Leon, Jon and Gabe.

It was live and all went well with the ORC and OZARES getting a real plug on Channel 6.



Gus Gnorski (past W9FAA) of FOX 6 interviewed Jon Gilmore (KB9RHZ) about OZARES as the live camera rolled and Naomi (KC9GSS) and Gary (WI9M) operate HF in the background.

Then it was get ready for field day. That involved assembling a couple of antenna and packing the station in the trailer. Wow, was it ever hot during setup on Friday. We really could have used more help on Friday with the setup of towers, antenna and tents. Thank goodness Stan finally put the turkeys on to cook and we could have a couple of brew while we waited for the traditional turkey dinner. Special thanks to Nancy who chaired the food committee and all those who made the feeding frenzies a great success. Special thanks to Muhammed Jamal (KC9CPC) who donated all the soda and bottled water. Not sure about the number of operators at the other tents but I really appreciated the operators who took a turn at 40 meter phone – we really did well this year with over 620 contacts. I am convinced the secret is in being active for the full 24 hours. It was really great fun – now to continue unpacking.

Still learning, I just started the EMCOMM 001 training course offered by the ARRL on-line. I have made it through the first 7 of 24 lessons and must say that it seems to be a pretty good program related to emergency communications capabilities and techniques. I recommend it. I did find that I had to send in the check to get enrolled. It seemed that whenever I tried to enroll on line the class would already be full – I suppose with those who had sent in a check.

Looking forward there is the annual swapfest sponsored by the South Milwaukee Amateur Radio Club at the American Legion Post 434 on Shepard Ave. In Oak Creek. This has always been one of my favorites since it is outside and most everyone is selling out of the back of their truck or car. I suppose another reason is that I was a member of that club for many years prior to moving to Cedarburg. I will be trying to get rid of the balance of donated stuff that is still in my garage. What's left will make it's way to our meetings.

And don't forget August 27th, the annual ORC Cornroast. We will need to get a chairman for this event at our July 13th meeting.

Fish Days in Port Washington is also on the horizon – a fun event at which to volunteer.

We are still looking for a few more newsletter editors/authors, Cornroast committee members, Youth Committee members to work with the schools and a Training Coordinator. It's not too early to start the planning for next years PEP and Swapfest – these committees are also accepting volunteers.

On a more immediate issue, if no one volunteers monthly to make the coffee or arrange for meeting snacks, there will not be coffee and snacks at the meeting break. At the July meeting we will ask for volunteers for the August and September meetings.

Again, get involved and have some fun.

THE TRUE SPIRIT OF FIELD DAY

De Bob Truscott (W9LO)

“STOP! YOU'RE FILTHY! DON'T TOUCH ME UNTIL YOU TAKE A SHOWER!” That's what Jean said when I arrived home from Field Day

on Sunday afternoon and moved toward her for my “welcome home” smooch. Allowing that her point may have merit, I said something like “OK, you’re worth waiting for, so I’ll do that, but I need to rest up a little first.” When I headed for my favorite chair she said, “STOP! YOUR CLOTHS ARE FILTHY, TOO! YOU CAN’T SIT IN THAT CHAIR UNTIL YOU CHANGE THEM!” Now, those are pretty harsh words, coming from the woman who has shared the aftermath of Field Day with me over 50 times, plus a few with her father before I met her. Wouldn’t you think she should have known what to expect? It’s her own fault---she never should have introduced me to that evil old man who injected the Field Day virus into my veins.

And this brings us to the “true spirit” thing. It’s a well known fact that you can judge the amount of effort that individual participants have put into the FD effort by looking at them and sniffing the air around them. Things to consider are the degree of filth on their clothing and exposed body areas, the length and “scruffiness” of the newly grown beards (scruffy old beards don’t count), and the degree of air pollution surrounding individuals. Judging is necessarily a subjective thing, and looks can be deceiving because some of the relatively new FD people, probably out of ignorance, violate the Field Day Commandment, which is “Thou Shalt Not Bathe or Shave on Field Day Weekend”. Some of you have admitted to using the showers at Lazy Days—don’t do that, it’s downright immoral, and distorts the judging process. And worse yet, some of you sneak home on Friday and Saturday nights to shower and sleep in a real bed. We know who you are, and will be watching you next year—mend your ways.

Historical Note: The traditions mandated by the Commandment originated during the great depression of the 1930s when hams were too poor to buy soap, and had no running water. Give thanks to our predecessors for showing us the way.

I nominate Jean to be the chief judge next FD because of her great experience in that area. Judging will begin at 3:15 PM on Sunday, immediately after the loading of Ed’s trailer is completed. Hopefully this will be incentive for more

people to stick around and help during the last hour---this year there were 5 ½ of us.

Hams Fight Crime in Chicago

De Roger Zaun (W9UVV)

This happened in Chicago in late 1939 while employed as a Junior Design Engineer in the product development laboratories of the Thordarson Electric Company. Early one morning, our Chief Engineer, Wilfred Howe, W9UVP, came in the lab, accompanied by his good friend, Fred Schnell, W9UZ. Fred was head of Chicago Police Radio Communications. Wilfred said Fred Schnell was here to determine if we could build a piece of radio gear for his special project. However, all related information to be disclosed must be kept confidential and go no further.

Fred then related that Currency Exchanges in an area of the city were being “ripped off” by an elusive group of armed holdup men. To date, efforts to apprehend them were minimal and City Hall was pressing the Police Department for more aggressive measures. Police officers had been staked out in back rooms of several exchanges but this effort tied up personnel and put customers and clerks in harms way. One shoot-out had already occurred. Luckily no one was injured. The bandits, however, escaped. With this kind of hazard the department was reluctant to further pursue this approach. Fred Schnell further related that dedicated phone lines had been tried but it was not very productive. By the time the holdup was called in and the radio dispatcher authorized to broadcast to the radio police cars the holdup men were long gone.

Fred said that I have conceived a different approach to the problem that may work but I will need to proceed “out of the loop”. To send my plan through normal department channels for review and approval would take forever and likely compromise its secrecy. To implement my plan I need your company” cooperation to design and build a small portable transmitter to operate near the AM police radio frequency (then 1750 kc). The unit would send a tone-modulated signal when actuated by a concealed alarm

switch. The transmitter would be installed in a selected Currency Exchange and only the radio police car assigned to the area would be informed of the exact date and time of the surveillance operation. This direct radio alarm would then bring immediate police response missing from previous efforts.

My Chief Engineer, confident that the company's CEO's authorization would be received said, "Roger, I want you to handle this. You have had other transmitter design projects – this one should be a piece of cake. You are to drop all other current assignments and I want to see a completed unit within 10 days, or less."

Later that day I stopped by his office with requisitions for signing and he asked if his friend Fred Schnell impressed me. My reply was that he seemed a pleasant and intelligent fellow. From his facial expression I could immediately tell this was not the response he expected. His rather loud retort was "young man, where have you been hiding? This man is an early radio communications pioneer and a legend in the amateur radio fraternity. His radio accomplishments are many and for your enlightenment, these are a few:

At the close of WWI he copied the Armistice message from Germany and was chosen to send the acknowledgment: the first radio contact with Germany.

In 1923 he established the first two way amateur radio contact with Europe (France).

In 1925, as a Lt. Commander in the Navy, he conducted the first long-range high frequency tests for the U.S. fleet in maneuvers in the South Seas.

For many years he was the traffic manager for the ARRL.

He has also been a prominent consulting engineer for the radio industry – must I continue?"

I beat a hasty retreat to the lab; fully impressed that Fred Schnell's project had first priority.

I well remember the "rig" I designed and built. It had a Pierce crystal oscillator using a type 47 tube coupled to a 1619 beam tetrode final using screen grid modulation. The carrier output was about 15 watts. The 1619 tube utilized a pi-network tank circuit so the rig could be loaded into a random length antenna strung up for this special operation.

The modulator was a type 2A3 tube using a center tapped transformer in a 1000 cycle audio oscillator circuit with the secondary winding carrying the 1619 screen circuit: thus tone modulating the final amplifier. The cathode of the 2A3 was keyed by a contact riding on a notched rotating drum driven by a small constant speed motor. The power supply was conventional, operating from 115 VAC. Directly heated filament tubes were selected so that the transmitter would put in operation almost instantly. The power supply also utilized a latching relay so once the low voltage alarm circuit was closed the transmitter remained on the air until it was reset. The entire unit was mounted in a Bud Radio carrying case. The only panel controls were the final tuning, antenna loading, a relative output meter, an antenna terminal and terminals for the remote alarm switch.

Well we did make the project deadline and delivered the finished unit. Needless to say, I was very curious whether the unit ever accomplished its intended purpose. About a month later, I saw Fred, W9UZ at a local Ham gathering and queried him on his hush-hush project. He pulled me aside and in a confidential tone said, "Hay, you haven't seen any recent reports of Currency Exchange robberies in the Chicago Tribune have you"? Incidentally, my position in the Police Department still seems secure. Enough said, and many thanks to you guys at Thordarson Electric".

RIVER CLEANUP WELL DONE!

De Cindy (KA9PZG)

The 10th Annual Saukville River Fest went on without a hitch, thanks to all the volunteers who showed up to make the yearly event successful!

And, of course, we give special thanks to the following ORC members who gave up their morning on Saturday, June 4th to make the event a safe and fun one for all:

Bernie AA9CI
Don W9VSC
Nels WA9JOB
Skip KA9DDN
Cindy KA9PZG

These individuals were assigned to specific work groups in the village helping with communications between the volunteers and base camp. Many thanks to those ORC members who were willing to help out! Volunteers were treated to lunch and a T-shirt!

The annual talk among the group is, “what unusual item(s) were found by cleanup crews this year?” If you don’t have a clue to what that’s all about, volunteer next year and get in on the action!

Field Day – 2005

Yes, we did it again and had a really great time.



Following setup it’s time to eat and share refreshments. Stan (KB9RQR), our turkey chef, is in the far back carving the second of four turkeys consumed Friday evening.



The traditional sheephead game was again played after Friday evening dinner by these confident ORC members. Shown are Bob Truscott (W9LO), Gabe Chido (WI9GC), Gary Bargholz (N9UUR), Mike Borchard (N9NPB), Nels Harvey (WA9JOB) and Jeananne Bargholz (N9VSV).



Ed Rate (AA9W) and GOTA Captain Gabe Chido (WI9GC) assist Tom of the Civil Air Patrol getting on the air at the GOTA station.



Leon Rediske (K9GCF) and Field Day Chairman Jim Hilins (KA4UPW) took a break from their 20-meter activities in Jim's camper. They also used Leon's crank-up tower and beam to earn a very respectable number of contacts during the 24-hour period.



Jeananne Bargholz (N9VSV) continuously scanned the "magic band" as she made the ORC W9LO station a force on 6 meters.



There was much discussion on the part of Ray Totzke (W9KHH), Ed Frac (AA9WW) and Gary Sutcliffe (K9XT) but they didn't seem too impressed with the idea of a vertical for field day. It was finally concluded that it needed more radials.



Mark (KC9GST) and Naomi (KC9GSS) Potash spent many hours making contacts on 40 meters phone to help create a total of over 620 by the end of Field Day on Sunday at 13:00 hours.



Terry Berg (WA9AWO) and his wife ANN (WB9JHP) again came up from IL to join us on Field Day as our 80 meter CW Band Captain. Terry was a long time member and President of ORC and it is always good to welcome him back to Lazy Days Camp-ground.

OBITUARY 6-26-05

De Bob Truscott (W9LO)

Nobody knows exactly how old you were, or where you were born. We found you in an orphanage back about 1963, you, your twin sister, and big brother. The folks at the orphanage could tell us very little about your past, but they indicated that you had served your country admirably during WW-II. Some thought you served in a medical unit in the South Pacific, while others believed it was with General Patton in Europe. In any case, they all agreed that it was a disgrace that your country would cast you aside like an unwanted child when it no longer needed you. When we visited the orphanage we immediately knew that you were exactly what we needed to complete our little ham radio club family, so we adopted the three of you.

We gave you the awesome responsibility of caring for the CW members of our club on that first Field Day of our relationship. Your twin sister was given the same responsibility for the phone guys, while your big brother was assigned to feed the entire club membership. You attacked your assignment eagerly, and were an immediate success. You seemed to thrive on the melodious sound of CW. Your twin, on the other

hand, fell into bad company. The phone guys just didn't seem to care. They abused her and neglected her needs, leading to her passing after only about 15 years. Big brother fared much better because he had more clout. He simply said "keep me healthy or I'll stop feeding you". Dr. Stan did exactly that, replacing worn out body parts as needed, and making sure he was properly cared for between Field Days. Over the years, the good Doctor became your brother's assistant, taking care of little chores like grilling the turkeys, etc. With that kind of care we expect your brother to be with us for a good many more years.

You did a wonderful job for us. In the early years you kept us cool in the daytime, warm at night, and dry at all times. Your spacious interior permitted us to operate and entertain at the same time, making us a Field Day social center second only to your brother's. But age took its toll, and your skills declined as the years passed. Little holes appeared in the ceiling, and water leaked through when it rained, but that didn't matter—we just moved the rig to a dry spot, and continued to operate. After a while the door started to rot away and we could no longer close it. That was not a problem until last year when the temperatures dropped down to the 30s on Saturday night. Some whiners and wimps complained about that, but the "real" hams didn't care. That's all part of Field Day.

This was a sad Field Day for some of us. We tried on 4 separate occasions to help you stand up, but were never successful. Too many of your body parts were broken or missing, and your skin was rotting away. The duct tape that held you together for about the last 5 years could no longer do the job—your skin was too thin to support it. We almost made it on the 4th attempt, but a big wind came up and forced us to abandon the project. The message was then clear, it was time to lay you to rest—you just couldn't do it anymore.

At the close of Field Day a small group of us assembled for a final toast to you, after which we loaded you on Ed's trailer for the last time. 40 CW will never be the same. Goodbye, old friend.

Tips, Tails & Tools

Have trouble trimming the shield when assembling a coax connector? A close fitting washer and a pair of manicure scissors may solve the problem.



Place the washer at the point on the shield where you intend to make the cut. Then push the shield up against the washer creating a flange.



Use manicure scissors to trim around the shield at the base of the flange and then slide off the excess shield.



Now cut through the insulation to the conductor. Now slide the insulation off the conductor and you are ready to assemble the coax connector onto the cable and solder the shield (if copper) to the housing.

Upcoming Events

July

9th South Milwaukee Swapfest

13th Membership Meeting

16th Fish Days at Port Washington

25th-31st Airventure 2005 at Oshkosh

August

2nd Board Meeting

6th ARRL UHF Contest

10th Membership Meeting

13th Circus City Swapfest

27th ORC Cornroast

Board Minutes - June 8th, 2005

De Nancy KC9FZK

Meeting called to order at 7:00 PM in the Grafton Senior Center by Tom W9IPR. Board members present were Vic KB9UKE, Tom W9IPR, Ed AA9W, Nels WA9JOB, Leon KB9GCF, and Nancy KC9FZK.

The single item on the agenda was the open position of Second Vice President. Since no one volunteered, and no other suggestions were presented, Tom W9IPR asked Ed AA9WW if he would accept the job and he agreed. Ed's responsibilities would include

heading the mentoring committee and the corn roast committee. Nels WA9JOB moved to accept the President's recommendation to appoint Ed AA9WW to the position of 2nd Vice President. Vic KB9UKE seconded the motion. The vote was unanimous in favor.

Nels WA9JOB reported a possible push on clearing out the barn. Equipment is to be moved to the fire-house, and the transmitter will be at the intersection of Highways KK and LL.

The meeting was adjourned at 7:07 PM.

ORC Membership Minutes – June 8th, 2005

De Nancy Stecker, KC9FZK

Meeting called to order at 7:35 PM.

Announcements: Nels WA9JOB presented a plaque to Bob W5CFB commemorating his admission into the A1Operators Club.

Tom W9IPR called for a moment of silence in memory of Tom K9ZPZ who passed away last week. Nels WA9JOB told the club members some background information about this silent key since some members present did not know him.

An ORC Technical Advisors List sign-up sheet was passed around. Members were asked to list any special talents that might be useful to other ORC members.

The Board appointed Ed AA9WW to the position of Second vice-president for the rest of the term.

Fish Days is July 16 and 6 hams will be needed to assist with the parade from 8:30 am to 1:00 in the afternoon.

Bragging Rights:

Vic KB9UKE said his wife Barb prepared the treats, and that they were heart healthy. They were also delicious.

Tom W9IPR said using a DX Cluster via an Internet connection was great for working DX in other countries.

Cindy KA9PZG thanked Bernie AA9CI, Don W9VSC, Nels WA9JOB and Skip KA9DDN for helping at the Saukville River Cleanup.

Program: Field Day Preparations by Jim KA4UPW. Jim gave a PowerPoint presentation using photos from 2003 and 2004 Field Days. He noted that Field Day is really an exercise in preparation for emergency communications. Because of his experience with Hurricane Andrew, Jim knows the importance of

practicing for any emergency where hams can be of service to the community. Gary WI9M and Jim led the discussion on remaining plans for Field Day. The food committee needs a new chairman, Nancy KC9FZK volunteered.

Break

Auction by Stan WB9RQR

Business Meeting: Minutes were accepted as printed in the ORC Newsletter.

Treasurer's report was accepted as printed on hand-outs on the tables.

Repeater Report: Nels WA9JOB stated all repeaters are on and working properly. Jim K9QLP has been doing some work on the 224.18 repeater, in an effort to reduce a noise problem.

OZARES: No report.

Committee Reports:

Membership: No report

Public Relations: Naomi KC9GSS has sent Field Day information to local newspapers.

Youth: Tom W9IPR has contacted high school science teachers inviting them to attend Field Day in an effort to foster high school amateur radio clubs and bring new hams into the hobby.

Old Business: No old business.

New Business: No new business.

Attendance: Jane KB9SYI, Naomi KC9GSS, Nancy KC9FZK, Bob N9NRK, Ron KC9DKQ, Tom W9LNL, Leon K9GCF, Bob W9LO, Gary W9XT, Mike WJ9O, Ray W9KHH, Mark KC9GST, Bob W5CFB, Herb WA9UVK, Nels WA9JOB, Jim K9QLP, Bernie AA9CI, Vic KB9UKE, Zack KC9HEJ, Ed AA9W, Gabe WI9GC, Muhammad KC9CPC, Stan WB9RQR, Don W9VSC, Ed AA9WW, Jim KA4UPW, Tom AA9XK, Ted N9LLT, Roger W9UVV, Paul KD9FM, Carol KC9CBC and guest A. Chris Austin

Meeting Adjourned at 9:55 PM.

Nancy KC9FZK, Secretary

AGENDA

July 13th, 2005

1. Call to order – Tom (W9IPR)
 2. Introductions.
 3. Announcements, Bragging Rights, Show & Tell, Upcoming events, Etc.,
 4. Program:
 5. Fellowship Break
 6. Auction.
 7. Acceptance of Minutes as printed.
 8. Treasurer's report – Tom (AA9XK).
 9. Repeater report – Nels (WA9JOB)
-
10. OZARES report – Jon (KB9RHZ).
 11. Committee reports.
 - Membership –
 - Public Relations –
 - Youth Program –
 - Field Day –
 - Corn Roast -
 12. OLD BUSINESS
 13. NEW BUSINESS.
 14. Adjournment to ?

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The ORC Newsletter

465 Beechwood Drive
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First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, April 13th

7:30 PM