



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.



ORC Repeaters on 146.97, 224.18 and 443.750 MHz -

Callsign W9CQO

Web site:

www.ozaukeeradioclub.org

Volume XXIV

May 2005

Number 5

The Prez Sez

De Tom Ruhlmann (W9IPR))

Another busy month and much was accomplished. Ed Rate and I went to the Grayslake swapfest on the 16th and Nels Harvey joined us at the Madison Repeater Club swapfest in Stoughton on the 17th. We are entering the area of diminishing returns but between the two, we did yield about \$400 for the Scholarship fund – plus we had a great time.



There was a nice crowd at the Grayslake “North Shore Radio Club” swapmeet on April 16th. Naturally this resulted in some “good buys” but mostly at the ORC tables.

Although we advertised on channel 14 and had an article in the News Graphic we didn’t get any response to our offer of a Technician training session. Therefor we canceled it however, perhaps we should start considering a General upgrade class.

However, on a brighter note, Brennan Scheel, whom we assisted with his “ISS and Amateur Radio” exhibit at St. Paul’s Science Fair received an Exceptional Achievement Award for his efforts. Congratulations Brennan! Now they are considering applying for a contact with the ISS astronauts via amateur radio – interested in helping?



Ed Rate (AA9W) and Nels Harvey (WA9JOB) got a real workout manning the ORC tables at the Madison swapfest in Stoughton on April 17th.

I would encourage our members who have kids or grandchildren in middle and high school to contact the science teachers or principals in an effort to get them interested in amateur radio as a hobby club and perhaps electronics as a course. We have ARRL pamphlets that can be used and other members who are willing to help.

What would you think about contacting the various high school science teachers and escorting them to Field Day where they could operate the GOTA station? Once we had their interest I think "radio clubs" would follow. Also, ARRL has curriculum available for use by teachers. What do you think? Interested in leading this type of activity?

Then we had a Board meeting where we gave a final review of the proposed By-law changes. It was great discussion in the interest of providing continued Club guidance and leadership. You will note the proposed by-law changes are summarized later in this newsletter and we plan to vote on them at the May meeting.

My thanks to Stan Kaplan (WB9RQR) who volunteered to act as the Club Historian.

So what are the big events for May? Our annual swapfest at Circle B on May 7th and "Dayton" of course. I hope to see a great turnout of buyers and sellers at the swapfest as it is our only moneymaker of the year and our operating budget depends on it. Gene and his gang have been doing a great job these past years so let's give them our support at setup and the swapfest.

And Dayton? Looking forward to another great weekend with great "ham" friends.

It is a lot of fun. Get involved and share the hobby.

HOW TO OPEN A DEAD BAND

De Bob Truscott (W9LO)

My first mistake in the recent Wisconsin QSO Party was to stay on 20 meters too long. I should have known that when European stations answered my CQ's, but U.S. stations didn't, that it was time to change bands. It took me at least a half-hour to figure that out. That's how contests are lost, not to imply that I ever win them, because I don't. My second mistake was to go to 80 meters in the late afternoon and be greeted by a dead band. Now, 80 meters is almost always open at that time of day (the phone

end of it was loaded) but nobody ever uses the CW end of it until after dark. And that's the way I found it, completely silent. Rather than return to 40, which I felt I had pretty well worked out, I decided to open 80. I called CQ for about 5 minutes and finally got an answer. After 3 or 4 more non-productive minutes I got a second answer. Then gradually more people showed up and within a half-hour the band was loaded. So don't judge a band by what you don't hear--- make a little noise and see who shows up.

Coming up in May:

May 7 - Indiana QSO Party-CW, SSB Rules in May QST, page 98. Give it a shot after you get home from the swapfest.

May 28-29 -CQ WW WPX Contest-CW. Rules in March QST, page 92.

Have fun contesting.

St. Paul's Science Fair

Brennan Scheel is a 13-year-old 8th grader at St. Paul's Lutheran School in Grafton. He first became interested in the International Space Station (ISS) when he and his family visited Kennedy Space Center in Florida this past Christmas vacation. Specifically he became interested in how the ISS astronauts communicate back to earth and then discovered they use "ham" radio. This then became the focus of his "project" for the St. Paul's Science Fair of 4/30 - 5/1. For his display he downloaded information related to the ISS and the astronauts and their "ham" operating activities and frequencies. Perhaps one of the best parts was the ISS tracking software operating on the laptop in the exhibit. He then went on to show the nature of radio waves and the difference in the propagation characteristics between HF and VHF/UHF radio waves.



Brennan Scheel is here showing his mother (Carrie) and dad (Koby) how to use the FT-50 and Arrow antenna to monitor the ISS “ham” frequencies. His younger brothers Cameron and Kenton were busy playing basketball in the background.

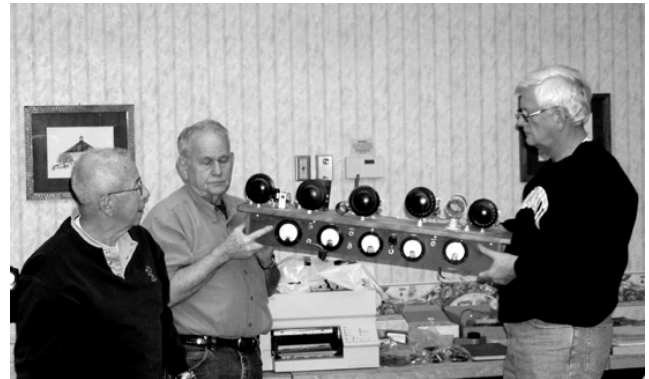
To show how basic the required ISS communications equipment could be he included a borrowed FT-50 handheld and an Arrow antenna in his exhibit.



Brennan Scheel’s “ISS and Ham Radio” exhibit at St. Paul’s science fair was complete with ISS, space and astronaut photographs, descriptive information, ISS tracking software and the minimum communications equipment – an FT-50 and Arrow antenna.

There were approximately 75 exhibits at the fair. How did Brennan do? He received one of only 5 “Outstanding Achievement” awards given at the fair. Congratulations Brennan. Welcome to the excitement of “ham” radio.

Programs



Talk about “show and tell” – Ed Rate brought a 3 tube, crystal controlled home brew transmitter from the 1930’s era. Really fascinating – probably a good thing no one had TV yet.



Leon (K9GCF) demonstrates some of the nuances of “fox hunting” using some of his unique home brew equipment and an HT.

Club Static

Now we have another Extra class amateur in the Club. Naomi Potash, KC9GSS, passed her Extra Class element at the Grayslake swapfest. Congratulations Naomi!



Here Mark Potash (KC9GST) attaches one of the antennas mounting brackets he fabricated to the firehouse wall while Gabe Chido (WI9GC) and Tom Oehler (W9LNL) supervise.

Volunteers NEEDED!

De Jeananne Bargholz: (N9VSV)
Mark Tellier, (AB9CD)

The weekend of June 4th and 5th will be a busy one. The TREK 100 ride takes place on Saturday the 4th and the Miller Ride takes place on Sunday the 5th. Needless to say, the demand for amateur communicators is great.

The TREK 100 starts and finishes from the WCTC campus in Waukesha County. If you can help on Saturday, June 4th, please sign up at <http://www.n9rtm.com>.

This year, the Miller Ride for the Arts is celebrating its 25th! The ride has 5 routes all starting at the Marcus Center with a 5 mi. route around Veterans Park, a 25 mi. route south to Grant Park, a 15 mi. route south to St. Francis High School, a 50 mi. route north through Mequon and a 75 mi. route north to the Allen Edmonds Factory in Port Washington.

There will be after event treats of grilled brats and other yummys near the net control location. As in the past, assignment requests will be accommodated as best as possible.

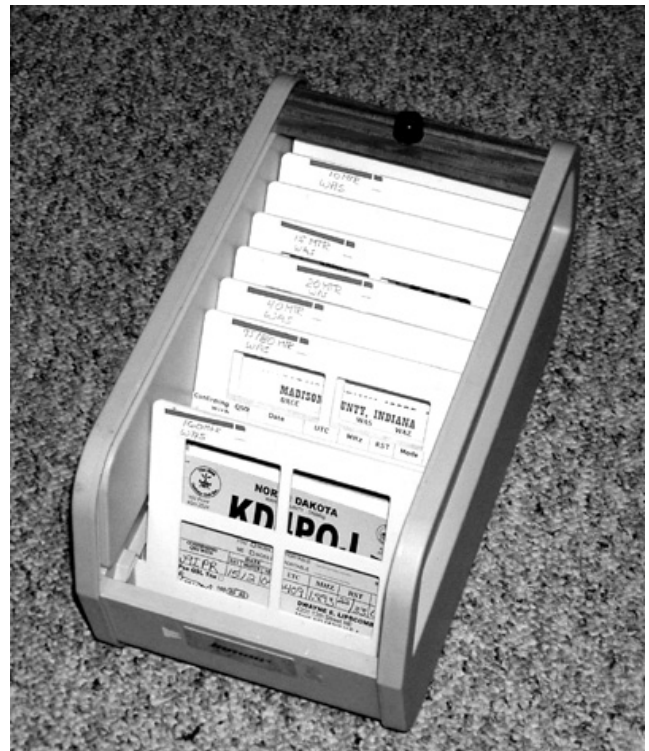
To sign up, please contact:

Jeananne Bargholz: n9vsv@wi.rr.com

Mark Tellier, ab9cd@arrl.net

Both events are great fun and your help will be greatly appreciated!

Tips, Tails & Tools



A 5 1/4 inch disk file makes a perfect file for QSL cards. In this example, each divider is labeled for a different band.

River Fest River Cleanup

De Cindy (KA9PZG)

Just a quick reminder to all of you who might be interested in helping provide communications for the 10th Annual River Fest River/Park cleanup in Saukville on Saturday, June 4, 2005. Operators are needed to provide communications between working parties and the home base. There maybe some walking being done by vol-

unteer radio operators with working groups to provide for any communication needs to the volunteers in the field. Prior to the event a continental breakfast will be provided for those helpers at Grade Park, downtown Saukville.

After the cleanup, all participants are treated to lunch in the park and a T-shirt to thank volunteers for their help.

Please contact me via email/phone/radio if you have any questions or want to sign up. Your help will be greatly appreciated at the Saukville River Fest!

Upcoming Events

May

3rd Board Meeting

7th ORC Swapfest at Circle B

11th Membership Meeting

20-22nd Dayton Hamvention

June

4th River Clean-up

4th QCWA Meeting – Ron Yokes

8th Membership Meeting

24th Field Day set up

25th Field Day

26th Field Day

July

9th South Milwaukee Swapfest

13th Membership Meeting

25th Airventure @ Oshkosh

Thanks for the Door Prizes

The Post Everything was a great success thanks to the gift contributions by the local merchants. Everyone at the dinner received a lovely prize from the raffle. Julia Nawrot and Nancy Stecker asked local businesses to donate these gifts, and we would like to acknowledge their generosity and support. The following merchants graciously donated gifts: Anchor Men's Wear – Cedar Creek Winery – Frenz Market – Gallery 1881- Goosey's Gallery – Heart N Home Treasures – Kasha's Old World Café – Kate's Hair Designers – Lake Breeze Pottery – Michael's

Antiquities – North Port – Peddler's Corner – Prime Minister – Sharbuno Jewelers – Seascapes – Studio 2-3-1 Complete Hair Care – Tires Unlimited Automotive Services – Totally Unexpected – Uselding's. If you happen to be in one of these establishments, please say "hello" and support the people who support us.

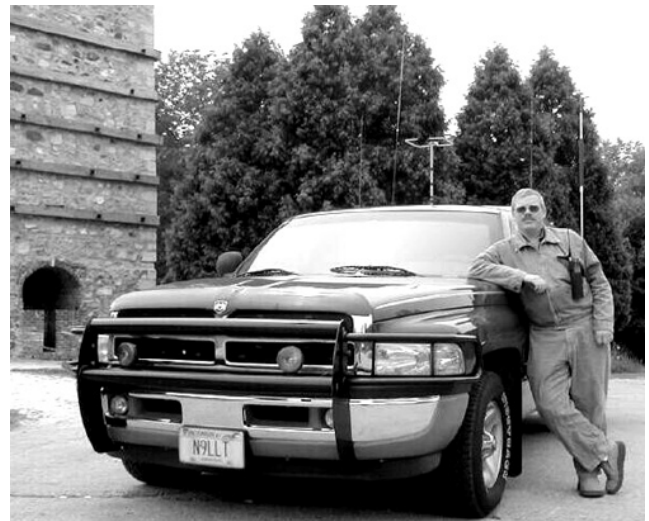
Julia Nawrot & Nancy Stecker

Just Another Shack

De Steve Stevens (K9DXT)

The subject of the article this month is Ted Heilmann (N9LLT). Ted, a native Wisconsinite was born in Milwaukee and has been a resident of Grafton for the past thirty-five years and graduated from Grafton High School. Ted is employed by a company that sells products and services to companies in the brazing industry.

Ted's interest in ham radio was cultivated by his grandfather (9BEG) who was a ham in the early twenties. One of Ted's memories of his grandfather was sitting at the kitchen table and tapping out a conversation in CW with his grandfather when he was ninety-one years old.



Ted was licensed in May of 1991 as a technician, then added a code endorsement and now holds a general class ticket. Ted can be heard operating from either of two stations. He has a station at home and also an extensive setup in his truck. With the radios in the truck he has coverage on UHF, VHF and HF bands. Not only

does he have the three radios but he has five antennas mounted on the truck with the capability of twelve antenna set-ups.



Ted is a very active on the radio needs only five more contacts to receive his worked all states (WAS) award. He has 31 states on 6 meters, 2 on 2 meters and 12 on 12 meters. His most unusual contact was a pilot of a Boeing 757 at 33,000 feet over France on 17 meters.

Ted is another of the members who has a wealth of information and is happy to share it with you. Say hi when you see him at a meeting.

Proposed By-law Changes

The By-laws committee consisted of President Vic Shier, Trustee and past VP & past Secretary Ed Rate, Past President & past Repeater VP Jim Albrinck and newsletter editor Tom Ruhlmann. Dave Barrow, Nels Harvey, Stan Kaplan, Kent Christiansen and Leon Rediske have also been directly involved through review of the committee's original proposal and their suggested changes have been considered. That revised proposal was then reviewed by the current Board of Directors and is being submitted to the membership for approval. The proposed changes to the by-laws consider the input of all parties and the more significant inputs would effect the following changes:

ARTICLE I – Membership

1.2 Dues clarified to be due by the annual meeting.

1.4.1 Regular membership defined. 1.4.2 Club membership deleted as a class of membership.

1.4.3 "Special Family" membership clarified to be "Family" membership. Family members allowed to serve on Board of Directors.

ARTICLE II

Officers and Directors

2.1 The number of officers was increased from 5 to 6 with the creation of a Second Vice President. The purpose of creating a Second VP is to:

1. Distribute the responsibilities and reduce the workload on the President and First Vice President.
2. Create more opportunities for leadership within the ORC
3. Create additional leadership reserve in the absence of the President or First VP
4. increase the creative resources within the Board of Directors

2.5 Clarify the appointment and term of the "Trustee"

2.8 Clarify that a Board member may only hold one voting position at a time.

ARTICLE III –

Duties of Officers and Members of the Board of Directors

3.1 Defined the responsibility of the Board of Directors and requires they annually develop a 2 year budget and submit to the membership for approval.

3.4 Defines the duties of the Second Vice President

3.7 Establishes requirement for an annual audit

3.9 Defines the position and duties of Past President

ARTICLE V - Dues and Assessments

5.2 Clarifies that dues are due at or before the Annual Meeting.

5.4 Defines penalty for not paying dues.

A copy of the proposed by-laws is on the web site. It is planned to vote on these proposed by-law changes at the May regular meeting. There were other proposed changes but they have been removed and will be considered for inclusion in the Policy & Procedures section. These included such items as term limits of 3 years and

the appointment of nominating and auditing committees.

HOW LUCKY CAN YOU GET?

De Bob Truscott (W9LO)

Hearing aids are frustrating, and maddening devices. I curse them when they feed back and whistle in my ears, I curse them when they amplify the room noise more than the speakers voices, I curse them when a battery goes dead in the middle of a telephone call, and I curse them when I can't hold a decent conversation in a restaurant or at a club meeting because of room noise. I'm OK with CW, and I'm OK with SSB as long as the guy I'm listening to hasn't "optimized" his audio with a ton of speech processing, and destroyed its intelligibility.

I got new lenses for my glasses this afternoon. While I was waiting for my turn, I watched a man being fitted for his new glasses. I noticed that he and the technician were exchanging written notes and hand signals. It didn't take long to figure out that the man was totally deaf.

After that experience I decided that I love my hearing aids because I can enjoy ham radio, and he and others like him can't. How lucky can I get?

Meeting May 11th

The program will be presented by Ed Rate (AA9W) and is titled "The Operation and History of Detectors"

Minutes – April 13th, 2005

De Carol Szudrowitz (KC9CBC)

Announcements:

AES Superfest went well on the previous Saturday.

Ed AA9W and Tom W9IRP went to the Grayslake swapfest on Saturday and with Nels (WB9JOB) to the Stoughton Hamfest on Sunday. They were selling components from Hal etc. on behalf of the Club.

River Clean Up- Wabedonia Park - **June 4** – help is needed with communications.

April 16th is Quarter Century Ham Radio Celebration

April 30 – help needed to put up antenna at Grafton Fire House

Swap Fest - Saturday, May 7, 2005 - Circle B
– Help needed -

Bragging Rights – Show and Tell:

FCC is close to announcing code restructuring. The ARRL proposal calls for no code needed for General License, Extra will keep it.

Ed AA9W brought in a ham radio from the 1930's. It was probably made with instructions from Hugo Gernsback's Ham Radio Magazine. The parts (transmitter, crystal, etc.) were mounted on a board and probably all radiated. Each part had to have its own power supply. Bell wiring was commonly used. It probably went into the garage when televisions came along because of the interference.

Program: Fox Hunts - The Ins and Outs presented by Leon K9GCF. A transmitter is hidden in an unusual spot like a turkey roaster or in a shopping cart in a grocery store amid groceries and the goal is to find it. Many times it is under a bridge or you could even find a 10 meter antenna taped to a "woman's" full skirt! If you are interested in the fun you can set one up or join the Milwaukee Fox Hunt Club. Leon demonstrated several antennas that he has made to find the "fox". Flexible metal from old metal tape measurers worked well on his antennas. They fold up without breaking when walking through brush. This skill is also useful. Transmitters can be put on Alzheimer patients and they can be found quickly when lost. In one case it only took 22 minutes. For more information see the following resources. "[Transmitter Hunting Book](#)" by Joseph Moell K0OSE and Thomas Curlee WB6UZZ, or building website: http://home.att.net/~jleggio/projects/rdf/sniff_bm.htm. Arrow also makes antennas for purchase but homemade can be better according to Leon's experience.

Auction by Stan WB9RQR

Business Meeting: Minutes were accepted as printed in the ORC Newsletter.
Treasurer's Report was accepted as printed on handout sheets.

Repeater Report: Nels WA9JOB reported that he had not been at the site all winter. The Micor transmitter was sick. A power supply was purchased and the Club's solid state amplifier was put in service. Power output is about half of the Micor output. There will be no duplexer on the 100-watt amplifier when it gets moved. The cost to replace the tubes in the Micor Amplifier needs to be discussed at a Board meeting.
Three radios were bought from eBay at the cost of \$490 with shipping. They are programmed and interfaced and ready for the work party on April 30 at the Grafton Fire House. The link will be used from the Grafton Firehouse to the main site for now. The link frequency will then be used at Mequon to go to KK&LL site after the move. The 220 repeater is operational, and the 440 is OK, but quiet.

OZARES: Jon KB9RHZ - April and May meetings are on the 4th Thursday of the month. Management system training will be continued. ECC mandated training. CERT training is canceled.

Community Report: Paul KD9FM reported that he went through the ARRL membership list. He found that 82% do not belong to club. He suggested putting together a mailing list for sending a letter and brochure about the Club to these people. There are over 200 names. Ted N9LLT and Nels WA9JOB said they would help enter and review list.

Public Relations: Naomi KC9GSS reported that labels for magazine donations to various offices are ready and handed them out. Labels tell info about club and who to contact for more information. We had a wonderful feature article about the club in the News Graphic. Suggestion was made to post notices for club meetings in the Community Calendar section.

Swap Fest: Gene KB9VJP(call 377-6792 for more inf.) reported that it just three weeks away!
Saturday, May 7 at Circle B.

Help is needed Friday **Night – 6:00 PM - Vendor Setup on Saturday - 6:00 AM - Vendor Setup**

**Swapfest - 8:00 AM to 1:00 PM
Cleanup – 1:00 PM till finished**

Help is needed at doors to take tickets, call door prizes, help "talk" customers to location, watch side doors and help with testing area. Naomi KC9GSS volunteered to get information to local paper and others volunteered to get "radio" related door prizes.

Scholarship Fund: Ed AA9W reminded all that equipment is for sale, Check Web link for information.

Old Business

Note: Club Historian is needed if interested call Tom W9IPR or Nancy Stecker, KC9FZK.

Reminder: There are 2 antennas and towers to be taken down. They need to be scheduled. One is in Fox Point the other near Northridge area. Paul KD9FM is a point person for the last one.

Field Day: Get-together next week Wednesday - Call Leon K9GCF for information.

All stations will be using NA software

Attendance: Ed AA9W, Roger W9UVV, Carol KC9CBC, Stan WB9RQR, Kent N9WH, Joe AA9HR, Jim K9QLP, Nels WA9JOB, Gene KB9VJP, Bernie AA9CI, Tom W9LNL, Bob W9LO, Steve K9DXT, Ray W9KHH, Bob WQ9N, Terry KA9RFM, Naomi KC9GSS, Mark KC9GST, Paul KD9FM, Julia KB9WBQ, Mark AB9CD, Keith KY9P, Don AA9WP, Ted N9LLT, Tom W9IPR, Enid KB9TDC, Herb WA9UVK, Mike WJ9O, Ron W9BCK, Leon K9GCF.

AGENDA

May 11th, 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 –
 - Swapfest –
 - Field Day -
12. OLD BUSINESS
13. NEW BUSINESS.
 - Approval of By-law changes
14. Adjournment to ?

Return undeliverable copies to

The ORC Newsletter

465 Beechwood Drive
Cedarburg WI* 53012

First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, May 11th, 2005

7:30 PM