



The ORC News -

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 -
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Volume XXIV

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Number 6

The Prez Sez

By Tom Ruhlmann (W9IPR))

Another full month and we have made progress toward some of our goals.

We had another successful ORC Swapfest thanks to the leadership of Gene Szudrowitz (KB9VJP) and the efforts of all who helped organize the tables, sell tickets, provide "talk in services", obtain the raffle prizes and otherwise promote this annual event. This is the event that provides the essential operating income for the club each year. Without a successful ORC swapfest we would have to both raise dues and cut expenditures.

The highlights of the membership meeting were the passing of the by-laws revisions and Herb Roehner's 90th birthday – congratulations Herb. Herb never misses a meeting and he is the guy that gets the key to let us in each meeting night. When Herb left Germany at the age of 8 he was told that in America the "streets were paved with gold". I don't know if Herb has found any of the gold bricks but he has made many golden friendships in the ORC.

With the passing of the changes to the by-laws we will be distributing the management of "internal" and "external" projects over two Vice Presidents rather than only one. This will increase the size of the Board by one and should thus lighten the load of each individual Board member while bringing additional input to the Board decisions.

Without a doubt a highlight of the month was our annual trip to the Mecca of Amateur radio, Dayton Ohio, for the annual Hamvention. There were four vehicles and 14 members of ORC at

the event. Great outdoor flea market – a real history of amateur radio, 4 halls of inside vendors, great seminars, great buys, great friends and all you can eat. What more is there.

Ray (W9BUJ), Ed (AA9WW), Roger (N6DVZ) (Rays nephew from Salt Lake City) and Jim (KA4UPW) went with me in my Suburban and while we had plenty of room on the way down, the return trip was a bit crowded with all the additional amplifiers, tube caddie's, test equipment etc. But it was a great time.



Ed (AA9WW), Ray (W9BUJ), Roger (N6DVZ) and Jim (KA4UPW) prepare to start unloading following our return from Dayton.

I attended an AMSAT seminar followed by a demonstration contact via the new Indian satellite VO52. I got so enthused I joined AMSAT and then bought a copy of the NOVA tracking software to learn when a satellite is visible and a contact is possible.

Ed Frac (AA9WW) went to a forum on digital radio communications and in summary he indicated that he would not be buying any new ana-

log radios for awhile. He thinks digital will be the dominant mode.

The “best buy” at Dayton was some “temporary” eight-foot ground rods I bought for the ORC field day. They have integral “slam” weights to hammer the rod down into the ground and then hammer them up and out when leaving. At \$5 each I couldn’t pass them up.

Upon returning from Dayton I drafted and sent a letter to the science teachers at the Cedarburg and Grafton High and Middle Schools. Naomi Potash also sent a letter and flyers to the principal at Homestead. We have invited the science teachers to field day in hopes that they will become interested enough to earn a license and then foster a “club” at the school. Naturally, the ORC will do all possible to support these clubs should they materialize. If you would like to get involved in these youth recruitment efforts just contact Mike Yuhas or myself.

And what are we looking forward to in June? The main events are the River Cleanup in Saukville on June 4th and naturally, Field Day. Hope to see you there.

Get involved and have some fun.

WHAT DOES IT TAKE TO BE A WINNER?

(A FIELD DAY WINNER, THAT IS.)

De Bob, W9LO

That’s a pretty good question, isn’t it? Most of you could answer it very easily, and those of you who did would probably say something like “a maximum effort from each participant”. That’s close, but what good is a maximum effort if the people making that effort are not adequately prepared for the job at hand? That’s been the problem since the club was born—CW operators would show up and say “I want to operate a little CW, but no, I’m not familiar with the contest procedures, but I DID work a contest for a few minutes about 6 months ago”. Or a phone guy would say “what do you mean, you want me to be a logger, I don’t know anything about computers—just give me the mic”. And while some-

one is giving these people on-the-job training, the QSO rate goes down, down, down. A maximum effort from these people is not worth very much to a club, which prides itself in being # 2 in the country in its transmitter class.

But it doesn’t have to be that way. This year we are taking the first step toward training operators in the use of what is now the club’s standardized contest software (except for VHF) before they begin their first operating shift. As most of you know, Stan, WB9RQR has donated 8 Compaq computers to the club for Field Day use. NA contest software has been installed in each of them, and the bugs have all been worked out. These computers will be assigned to the 5 HF stations, plus the GOTA station. One will be kept aside as a spare, and one will be set up in the 40 meter CW tent for individual operator training prior to, and during the contest. We’d like to begin the training on Friday evening if the “electric company” guys can get us a small generator for temporary use before turning the big rig on.

NA is probably the simplest program around which satisfies the needs of both phone & CW. For the phone guys, it’s just a matter of learning the basic keystrokes for entering the exchange information, correcting typos, and logging the contact. A 15-minute practice session should do it. The band captains will also need to learn how to change bands, although there won’t be much of that. It’s a bit more complicated for the CW guys because in addition to doing the logging the program also sends the exchange information.

CW ops, note that NA has a practice mode. You can activate it by typing “practice” in the QDF selection box when opening the program. It simulates actual contest conditions, except for QRM—you call CQ, and other stations answer you, etc. Those of you who regularly operate CW on FD already have NA on your home computers, so try it out at home. Set the speed control at 5-10 wpm faster than what you consider to be a comfortable speed, and let er rip. You’d be surprised how quickly your comfort zone increases.

The objective here is to make every operator's "maximum effort" more productive than it was last year, and perhaps move a little closer to the # 1 spot. Phase 2 of this upgrade program will be called "Kicking And Screaming", and we'll be looking for volunteers about this time next year. See you on Field Day. Sheepshead players bring money.

THE PRICE OF ADMISSION (TO THE 40 METER CW OPERATING POSITION, THAT IS.)

De Bob, W9LO

Back in the days when I played softball on a regular basis I always got a belly full of butterflies before the first ball was hit to me. I've been told that major league baseball players have the same problem, so I don't feel too badly about it. I figured I was all through with those pesky little insects when I quit playing ball, but I guessed wrong. They visit me every time I sit down to work a ham radio contest, and I would not be surprised if they visit other club members as well. How about it, Gary, Gary, Paul and Terry and all the rest of you guys—are you ready to admit to it? Butterflies are pretty little things, but they cause problems. They cause you to copy calls wrong, they cause you to type in MI when it should be WI, they cause you to lose contacts because you can't make typo corrections fast enough, etc., etc. These things usually happen for the first 10-20 minutes, or until you are comfortable in the chair, causing your QSO rate to be lower than it should be, and affecting the overall performance of the team.

So what can we do about this problem? If I may quote from a speech that W9BUJ made at a Toastmasters meeting about 40 years ago, "you can't eliminate butterflies, but you can make them fly in formation". Yeah, he really said it. Thanks, Ray. So how do we apply that theory to Field Day? We use Stan's little butterfly minimizer, the Compaq computer with NA in it. We each sit down and operate it in the practice mode for 15 minutes before our first real shift. And before you ask, yes, it applies to me too—I'm not nearly as good as I want to be. I've reserved the 12:30-12:45 PM time segment on Saturday afternoon. Get in line, guys.

15 minutes of your time—that's the price of admission.

Silent Key, K9ZPZ

You may have noticed the last call sign in our roster is that of Tom Davis, K9ZPZ, of Grafton. Tom has not been very active in the club these past few years due to complications of diabetes and it was this diabetes that took his life May 29th at the age of 59 years.

Tom was a registered professional engineer, president of Prophet Technologies, past Senior Vice President of Super Steel Products Corp., and former Dean of Faculty of the Milwaukee School of Engineering. He was a reserve sergeant on the Grafton police force, author, consultant and private pilot as well as an amateur radio operator.

Tom will be missed in his profession and within the Ozaukee Radio Club.

ORC Swapfest

The ORC Swapfest actually starts in Ham's basements and garages and it provides annual the operating funds for the Club. This year was

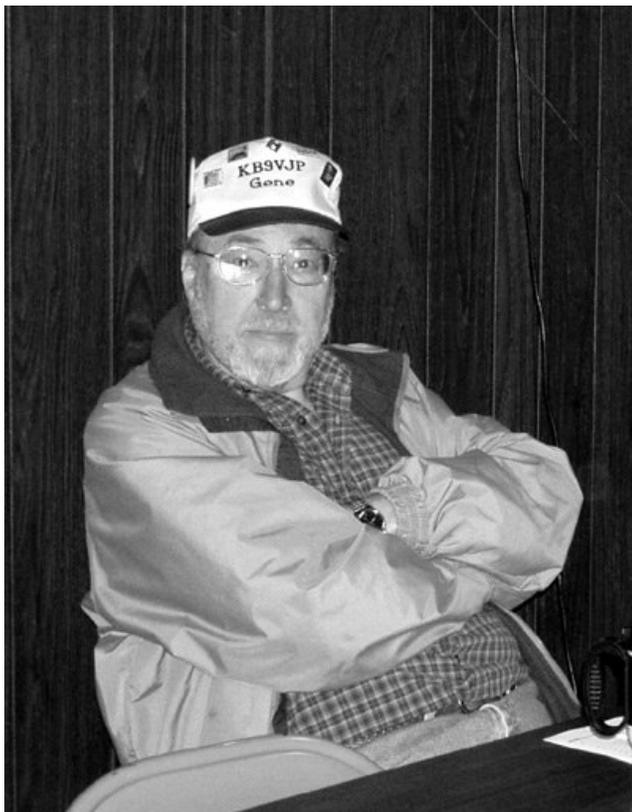


Another Ham unloads his excess wares for sale at the ORC Swapfest.

no exception in that the Swapfest had a gross revenue of \$2260 and after expenses resulted in a net income to the Club of \$1,811.39.



Bargain hunters milled about the 70+ vendor tables set up at the Circle B banquet hall for the ORC Swapfest.



Gene Szudrowitz (KB9VJP) has been our ORC swapfest chairman these past several years and has been responsible for producing our annual income to meet operating expenses. Thanks Gene!

There were more prizes than ever thanks to the solicitation efforts of Ray Brunette (W9BUJ).

There were 25 raffle prizes from AES, CQ magazine, MFJ, Newark Electronics, Digi Key Electronics, Tower Electronics, K1CRA Radio Store, Lakeview Electronics, W5YI Group and Engineering Surplus.

While the Swapfest was a financial success attendance was down slightly and the number of vendor tables were down about twenty. Naturally this is a concern as our net income was also down a few hundred dollars. We owe a big vote of thanks Gene Szudrowitz (KB9VJP), our swapfest chairman these past several years. Thanks Gene!

Upcoming Events

June

4th River Clean-up – Cindy (KA9PZG) @ 262-284-3271

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

Tips, Tails & Tools

De Roger Zaun (W9UVV)

No doubt most hams have experienced this frustrating scenario: You are working on an electronic building project, or trying to repair or service a rig, when suddenly a vital piece of hardware, or small component drops into the innards and appears irretrievable. This situation calls for use of longnose pliers or tweezers to aid removal, but due to the close quarters they just don't work. The level of aggravation and angry verbiage then begins to rapidly rise!

As an avid builder and restorer of electronic gear, I was often confronted with this problem. This led me to arrive at a rather neat, workable solution, namely:

Take a small amount of "Coax-Seal" * and form it into a ball about the size of a pea. Firmly mold

and adhere it to the end of a small diameter plastic or wood rod. Coax-Seal is a very tenacious material and virtually adheres to almost anything. By lightly touching the prepared end of your new retrieval tool to the lost part, it is readily plucked from the depths of your equipment. It is also useful to start nuts, place lock washers or put screws into hard to reach holes. It is also great in retrieving wire cuttings and solder spatters.

I keep this tool in my repair kit at all times. Give this handy helper a try. It really works and sure helps prevent "frazzled nerves".

*Coax-Seal Material is normally utilized to seal coax fittings, antenna connections and parts from moisture and corrosion. It is manufactured by Universal Electronics, Inc. and is available from your local amateur radio supplier. Many Hams have used it, and you may still have a partial roll left in the junk box.

For Sale, Trade or ?

Professional drafting table with drafting machine and rulers, lamp and power outlets. With side desk flat file and chair - \$100.00.

Kitchen cabinets: bases and wall units - \$20.00 each piece.

Ping Pong table: \$30.00

Black and Decker: small twig and branch chopper. Needs work, possibly blades too - \$10:00.

Tom (AA9XK) @ 262-242-1029

2000 Honda Civic EX 87k miles top notch shape \$7,500 – Stan (WB9RQR) at 262-284-9346

Dayton !

What can really be said about Dayton? It is a 7 hour drive with great company and 3 days of nothing but amateur radio informative discussions, bull, history, forums, demonstrations, intrigue, eating, refreshments, radio equipment and parts. Pictures say it better than words.



Casual ham buyers & vendors selling from their yard tents and car trunks are responsible for the bulk of the transactions at the outside flea market which must cover at least 25 acres.



It takes a full day to visit all the vendors in the outside flea market where negotiations are expected and bargains abound. Then you need to reserve Sunday morning to get the really low prices on "whats left" and do a little "dumpster diving".



Even on a nice day the inside vendors are swamped with lookers, questioners and buyers.



Even our own Gary Sutcliffe of Unified Microsystems had a booth to market his CW/Voice Keyers at the Dayton Hamfest.



A pedestrian mobil with a backpack and 75 meter whip was patrolling the grounds and getting quite a few looks of amazement.



Was it fun? Ask any of these guys. Shown are Tom (W9IPR), Jim (KA4UPW), Gary (WI9M), Gabe (WI9GC), Kent (N9WH), Ed (AA9WW), Nels (WA9JOB), Dave (N9UNR) and Rex (W9CRQ). Other ORC members also at Dayton were Mark and Naomi Potash and Leon Rediske.

Programs

The program at the June 8th meeting will be a briefing on the 2005 field day organization, logging, and operations. Volunteering for food service, setup, operating & tear down will be expected.



At the May 11th meeting, Ed Rate (AA9W) gave a presentation on the history and evolution of "detectors" up through 1920.



The highlight of the May 11th meeting was the celebration of Herb Roehner's (WA9UVK) 90th birthday. Congratulations Herb!

ORC Board Meeting Minutes - May 3, 2005

De Nancy Stecker, Secretary

Meeting called to order at 7:05 p.m. at the home of Tom W9IPR. Present with Tom are Vic KB9UKE, Nels WA9JOB, Nancy KC9FZK, Tom AA9XK, Leon K9GCF and Ed AA9W.

Committee report:

Stan WB9RQR, Dave N9UNR, Bernie AA9CI and Ray W9BUJ have volunteered to be on committees. Still looking for co-chairman for PEP next year, the corn roast in August and programming committees. Dave N9UNR will be on the membership retention committee; Gary W9XT will be DX editor.

Leon reported the Field day pretty well organized, most everyone will be there.

Up-coming calendar of events were listed.

Tom AA9XK will be updating the budget.

At the present date, Swapfest tables were down from 80 last year to 44 at the present date.

Tom assisted a St. Paul Lutheran School student with a science fair project involving ham radio and the International Space Station. The student was among the outstanding achievement award winners.

Discussion of the bylaws and suggested changes to said bylaws followed.

Membership

1.2 Changed when dues must be paid.

1.4.1 The second sentence was moved to Policy and Procedure.

1.4.2, Ed made a motion to drop the Club Membership category. Nels seconded the motion, all voted aye.

1.4.3 Removed "Special" from Family member's category.

Officers and Directors

2.1 After discussion about the addition of a 2nd vice-president to the list of officers, Vic made a motion to create the position of 2nd VP, Leon seconded the motion, the motion passed with 5 aye votes, 1 nay vote and 1 abstain.

2.5, The second sentence was deleted.

2.8. Only one voting position at a time on the Board.

2.9, Holding the maximum number of successive terms of President, 1st VP and 2nd VP to 3 years has been moved from Bylaws to the Policy and Procedures.

Duties of Officers and Directors

3.1 Replaced the current budget procedure with a two-year budget to be updated annually.

3.4 Created the duties of the 2nd VP

3.5 Deleted the last sentence.

3.6 Discussion of the Secretary's duties in keeping the roster.

3.7 Requirement for an annual audit.

3.9 Discussion of role of Past President

Dues and Assessments

5.1 Delete categories of persons who can have dues waived.

5.2 Dues are to be paid by annual meeting.

5.4 Membership to be terminated after March 1st.

Committees

7.2 Nominating committee scheduling put into Policy and Procedures.

7.3 Audit committee appointment put into Policy and Procedures.

Meeting adjourned at 9:37 p.m.

Membership Meeting Minutes – May 11th, 2005

De Nancy Stecker, KC9FZK

Meeting called to order at 7:35pm.

Announcements: Gary N9UUR told of a new bird flying (a new amateur satellite). Check the AMSAT website for details.

The Dayton Hamvention is coming up on May 20-22, 2005. Catch a ride with someone.

Happy Birthday wishes to Herb WA9UVK who is celebrating his 90th birthday today.

Bragging Rights: Congratulations to Naomi KC9GSS for earning her extra ticket.

Show and Tell: Tom W9IPR showed his vertical antenna trap, which he repaired with PVC pipe couplings, machined by EdAA9W.

Swapfest Report: Gene KB9VJP reported revenue of \$2,260.00 and expenses of \$448.61 with a profit of \$1,811.39. No \$100 grand prize was awarded this year. Attendance is dropping at swap fests everywhere. Suggestions to boost attendance ranged from expansion into a regional swapfest to making announcement of the date on all the Wisconsin nets. More ideas are welcome.

Program: The Operation and History of Detectors presented by Ed AA9W. Ed gave a fascinating history of detectors from the 1800s to WWI. In the 1860s, scientists and amateurs the around the world began experimenting with electricity. By 1888, Hertz demonstrated transmission of radio waves and reception of them with a detector, for the first time. While Ed talked about the men who were making history, he projected schematics of early devices; each built and improved on the last one.

Fellowship: A beautiful birthday cake with ice cream was served in honor of Herb's 90th birthday.

Auction by Stan WB9RQR.

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

Treasurer's report was accepted as printed on handouts on the tables.

Repeater Report: Nels WA9JOB reported the antenna has been installed at the Grafton Fire House. The repeater is on a solid-state amplifier that will be used when we move. When the Wirth property is sold, we will have to move out of the barn. Expenditures should go down at that point. Dave N9UNR is working on the 2005 roster and because of space constraints, asked if he can delete the speed dial on auto patch information from this year's roster. It was agreed that it was no longer necessary and could be deleted.

OZARES: Jon KB9RHZ-At the May 26 meeting, a National Incident Management System course will be given. This is a required course for all first responders. There will be no June meeting. For a map of all repeaters in the state, log onto the Wisconsin ARES/RACES website.

Committee Reports:

Public Relations: Naomi KC9GSS stated she has more labels for magazine donations if needed. She will be getting information about the upcoming Field Day into newspapers. Tom W9IPR would like to get students involved in Field Day. If you have ideas, call him. Also, see Tom if you are interested in ordering an ORC hat.

Field Day: Jim KA4UPW reported that some Band Captains are still needed for the June 25 Field Day. The GOTA site needs a captain and Rosie needs help in her tent this year. A reminder came from Cindy KA9PZG that the Saukville River Clean-up on June 4 would need volunteers.

Scholarship Fund: Ed AA9W contributed \$399.50 to the scholarship fund from profits made at his table at the swapfest while Tom W9IPR contribution was \$151.50. Ed suggested a field trip to Bob Paquette's Microphone Museum in Milwaukee might be interesting. A show of hands showed a preference for a Saturday morning excursion.

Old Business: Paul KD9FM has checked on the two towers. Only one is a possibility for removal and use by the ORC.

New Business: The treasurer will pay \$300 to reserve Circle B for the 2007 Field Day.

The chair entertained the motion to accept the changes made to the by-laws as published in the May edition of the ORC Newsletter. After discussion, Dave N9UNR made the motion to accept the changes to the by-laws; Stan WB9RQR seconded the motion, the motion passed.

Ted N9LLT commented on the pleasant experience while interviewed by Steve K9DXT for an article in the Just Another Shack column in the ORC Newsletter.

Attendance: Gabe WI9CG, Jim KA4UPW, Stan WB9RQR, Jon KB9RHZ, Ed AA9W, Gary N9UUR, Dave N9UNR, Joe AA9HR, Nels WA9JOB, Don AA9WP, Ray W9BUJ, Ray W9KHH, Gene KB9VJP, Herb WA9UVK, Vic KB9UKE, Don W9VSC, Leon K9GCF, Paul KD9FM, John KC9FJX, Mark KC9GST, Naomi KC9GSS, Tom AA9XK, Roger W9UVV, Mark AB9CD, Ed AA9WW, Gary W9XT, Paul KB9WCC, Keith KY9P, Ted N9LLT, Jim K9QLP, Ron W9BCK, Bob W9LO, Bernie AA9CI, Bob N9NRK, Terry KA9RFM, Jane KB9SYI, Nancy KC9FZK, Carol KC9CBC, Julia KB9WBQ, Gary WI9M; 40 total.

Meeting adjourned at 10:10pm.
Nancy KC9FZK, secretary

AGENDA

June 8th, 2005

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

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The ORC Newsletter

465 Beechwood Drive
Cedarburg WI* 53012

First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, June 8th

7:30 PM