



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.



AMATEUR RADIO

**ORC Repeaters on 146.97, 224.18 and 443.750 MHz -
Callsign W9CQO Web site: <http://www.qsl.net/orc/>**

Volume XXI

June 2002

Number 6

The Prez Sez

By Leon Rediske K9GCF

Our Swapfest on May 4, was a huge success, thanks to all that helped. Income was up 10% over last year, according to Gene Szudrowitz, KB9VJP, event chairman.

May 17-19 was the great pilgrimage to ham Holy Land, Dayton Ohio, and again this year; a good time was had by all. Some are still trying to thaw out however. It was C-c-cold and windy out on the tarmac this Hamvention. The new radio deals were spectacular again this year. New Icom 706's were priced under \$700. Less if you offered cash.

We still need help with all aspects of Field Day, so please help us when and where you can. The 2002 rules are in the May QST, page 108. Read them, as we may need to change some of our operation to conform to the new regs.

73's for now, and see you all at the ORC meeting, 7:30 PM June 12th, the second Wednesday.

Web Sites of Interest

HEATH@LISTSERV.TEMPE.GOV	Heathkit
www.QRZ.COM	Ham Supersite
www.users.zetnet.co.uk/kama/hamlinks.htm	UK hamlinks
http://hfradio.org/	General interest to HF radio
www.bambi.net/sara.html	Amateur Radio-Astronomers

Upcoming Events

6/02/02-Straved Rock Swapfest – Princeton, IL
6/22-23/02-Field Day @ Lazy Daze Campground

7/06/02- So. Milwaukee Swapfest
7/20/02- Fish Day Parade at Port Washington – need volunteers – contact WI9M, WB9RQR or KB9RHZ to volunteer
8/10/02- Circus City Swapfest-Baraboo
09/21-22/02 – FM Club Swapfest-Grayslake IL
1102/02-MRC Swapfest – Waukesha Expo
01/04/03 – WARAC Swapfest–Waukesha Expo

A Great ORC Swapfest

Congratulations to Gene (KB9VJP) who chaired a really great swapfest and all the volunteers who passed out the posters and handbills at the area swapfests and all those who pitched in



at the setup on Friday evening and during the event on Saturday morning. There was a 13% increase in the attendance and net income and this was in part due to the 325 personal invitations sent out by Gene. We netted \$2032 this year as compared to \$1800 last year. We netted \$80 at our consignment table and Ed (AA9W) sold over \$20 at the club table for the scholarship fund. The individual and commercial vendors both remarked that they were very pleased with the traffic and their sales. Again, thanks Gene – a great basis for the ORC 2003 Swapfest.

Contesting

June 8-10 – ARRL VHF QSO Party

June 15-16 – Kids Day Operating Event
 June 15-16 - Intl. 6 Mtr. QSO Party
 June 22-23 – ARRL Field Day

FCC PROPOSES TWO NEW AMATEUR BANDS!

Great news for ham radio this week! The FCC has proposed going along with ARRL's request for a new domestic (US-only), secondary HF allocation at 5.25 to 5.4 MHz. The FCC also is ready to permit operation on a 136-kHz "sliver band" in the low-frequency (LF) region. And, in response to a third ARRL request, the FCC has proposed elevating Amateur Radio to primary status at 2400 to 2402 MHz.

"I'm just as tickled as I can be," ARRL President Jim Haynie, W5JBP, said upon hearing the news. "This is a classic example of our ARRL at work."

The FCC voted unanimously May 2 to adopt the Notice of Proposed Rulemaking in ET Docket 02-98. The Commission released a Public Notice May 9, and the NPRM is expected to be released soon. A comment deadline will be announced as soon as it's available.

The FCC said the new 5-MHz band would help amateurs "better match their choice of frequency to existing propagation conditions." The band, if approved, would be the first new amateur HF allocation since World Administrative Radio Conference 1979 gave amateurs 30, 17 and 12 meters--the so-called "WARC Bands." Assuming the 5-MHz band eventually is authorized, it could be a few years before it actually becomes available.

A Great Wedding Anniversary & Club Program

Gary (N9UUR) and Jeananne (N9VSV) Bargholz spent another great wedding anniversary on St. Lucia island in the West Indies in the Carrabian. Adding to the fun was their FT847, dual band HT,

Arrow antenna and laptop with "PocketSat" satellite tracking software.

When not laying on the beach they were working the UO-14 and AO-27 FM satellites and the FO-20 and FO-29 SSB satellites. They were able to work all four satellites from about 8 to 10 in the morning and again from 9 to 11 at night for about 20 minutes per pass. Conditions were such that they were also able to make daily contact with another of our members, N9WJV (Mike) on a daily basis. They were assisted by Givan (J69AC) and Frans (J69DS) during their



Gary (N9UUR) and Jeananne (N9VSV) telling the group about their "satellite operations" at St. Lucia Island in the West Indies

stay and made over 100 contacts via satellite during their 5-day stay as J6/N9UUR. Jeananne also tried 6 Meters several times but there was no magic on the "magic band" at St. Lucia.

You can get more details on this exciting venture at Gary's "road runner" web site <http://home.wi.rr.com/N9UUR>.

Nets of Interest

Day	Time	Freq.	Comments
Sun	3PM	14.292	Vintage SSB net
Sat	7PM	7.233.5	LSB - Century Club
Sat	12AM	1.892.5	LSB - Century Club
Sun	4PM	14.084	RTTY-Century Club
Moon	12 AM	3.904	LSB - Century Club

Dayton – it was great!

This may have been a record year for ORC participation. At my last count there were eleven. It is about a 7-hour drive filled with stories of past years on the way down and “good deals” made and missed on the way back.



The Hamvention Gang

Shown here are some of the Dayton Gang at Dave’s (N9QA) concession and rest stop – sold out and worn out. The above gang is Kent (N9WH), Dave (N9QA), Gabe (WI9GC), Ed (AA9W), Ernie (K9LO), Brian (N9LOO), Nels (WA9JOB) and Tom (W9IPR). Also at Dayton but out getting “good deals” when the picture was taken were Leon (K9GCF), Ed (AA9WW), Jake (KB9ZOR) and Gene (KB9VJP).



The Bluegrass Hams

This group of “Hams” from the blue grass country provided really great music while you browsed their wares – it kept me coming back.



The Mobil Antenna Farm

Personally, it took me six hours to make it through the “flee market” one time. During my second tour, I judged this pickup to be the most complete antenna farm at Dayton.

No. 100 - A Better Way to Install Windows 98

By: Stan Kaplan WB9RQR

Wow! This is monthly article number 64h (h = hexadecimal), or 1100100 (binary), or 100 in our plain old decimal system. A nice, round number that represents 8 years and 4 months worth of articles. I should put a candle on my breakfast bagel tomorrow morning! I hope you have found the series useful. This month's subject is a tip that can make your life easier. You can use this tip to:

1. Install Win98 on a hard drive for the first time. This way is actually easier than the standard way, and has the added benefit of storing the important contents of the installation CD-ROM on your hard drive. If Windows needs additional files in the future (as, for example, when you add a new hardware device); it won't even ask you for the CD-ROM. It will just automatically go get the needed files from the copy on your hard drive! Win98 can do this because it knows that it was installed from the hard drive, rather than from a

CD-ROM, and that the installation files (including drivers) are still there.

2. Put a second copy of all installation files on a hard drive that already has Win98 installed. As above, when adding new hardware in the future, you will not need the CD-ROM. Just point Windows to the folder where the installation files are located, and it will happily slurp up the ones it needs for your new hardware. This works for restoring damaged or corrupt files, too.

3. You can even use this method to put Win98 on a machine that has no CD-ROM drive. I have done this many times, by first copying the files to a parallel port external hard drive (using a machine that did have a CD-ROM drive), then using the external hard drive to copy to the machine without a CD-ROM drive. This will work with an external tape drive, as well.

Copied from and continued in the Badger Smoke Signals at <http://www.bsss.org>

Repeater Frequency Coordination at Dayton



One of the more important volunteer activities is that of keeping all the repeaters in an area from interfering with each other. This is the charter of the National Frequency Co-ordination Committee; to recommend the frequencies of operation and

the PL codes to be used by individual repeaters within an area so that we can all communicate effectively. The president of this National Frequency Co-ordinating committee is our own Nels Harvey (WA9JOB) and he is shown here conducting a frequency co-ordination seminar at the Dayton Hamvention.

For Sale

WB2MSV is now a silent key and his son is settling his estate. This includes an FT657GX, ICOM EC-251A and an Ameritron ALS-500M. These and other items may be seen at www.mattmilw.com.

Contact Matt Phillips at 414-352-6087

Kenwood TS520 station – Don Belstner (W9VSC) @ 262-377-0426

ICOM 745 transceiver – Ben (K9UZ) @ 262-242-6000

HT202X – 2 Mtr. HT – Leon (K9GCF) @ 262-377-1080

Just Another Shack?

Not really, this one is unique. Here we have

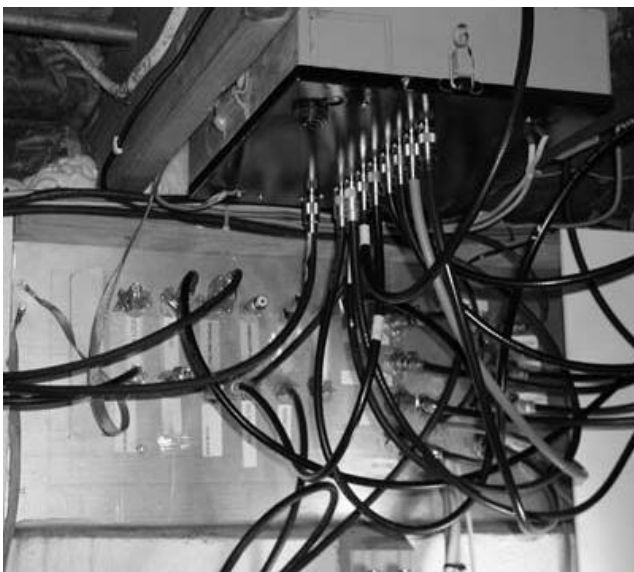


one of our more competitive stations and operators, Fred Helmstetter (N9FH). His basic stations consists of an FT1000MP driving a TenTec Titan amplifier and an ICOM 746 driving a Henry Amplifier. Fred operates all the bands from 440 MHz through 160 meters and is a great contester.



This is one of Fred's two towers used to support the 70cm through 20mtr beams and provide supports for the various slopers, dipoles, long wires and bazookas.

Yes, that sounds like a lot of antennas and it is



obvious when you see the antenna feed bulkhead and antenna switching matrix. He has 4 VHF an-

tenna options and 16 antenna options on 6 through 160 meters. Plus, he lives on a hilltop.

Fred originally earned his Novice license in 1977 at age 12 and then the interest waned during his high school and collage years. In 1994 his interest was revitalized and he has become a very successful contester. In 2001 he was the number one operator in the Wisconsin QSO party and was also Number One in the Central Division of the ARRL CW Sweepstakes.

Presently Fred is assembling several stations to compete in the June ARRL VHF QSO Party. The group operating on 6 mtr., 2 mtr., 220 MHz and 432 MHz as NI9E will include NI9E, N9VA, WB9UAI, N9LLT and of coarse, N9FH. In this effort they will be using an FT847 and a variety of other VHF rigs. Good luck on June 8th.

Mobile Connections

By Vic Shier KB9UKE

Installing a rig in a car or truck can be a time consuming project. Here is a tip that can make the job a little easier.

Some vehicles come equipped with auxiliary power points. These power points may look like cigar lighter receptacles but they are not in fact, made for lighting cigarettes. Rather they are for providing power to the many electronics that today's driver's use while commuting, such as cell phones and laptops. A simple observation of the receptacle shows that it is made to be a durable source of 12-volt power. In the '97 Suburban the two auxiliary power receptacles are fused at a combined 25 amps. Check the owner's manual for your vehicle to determine the fusing and capability of its auxiliary power receptacles. I have used mine to power 50-watt rigs that draw 14 amps. This set up has been problem free and even after extended periods of transmission the connections remain cool to the touch. Because all of the wiring is inside the passenger compartment, the connections are unaffected by winter salt spray and the rigs have been free of alternator whine.

The power cord supplied with the rig will be too long for this installation so the first step will be to cut it to the proper length but not so short as to remove any of the fuse connections. Finding a suitable cigarette plug was the tricky part. RC Communications, a CB radio supply store in Milwaukee, has a heavy-duty adapter that works well. This adapter does not have a fuse in it and the wires must be soldered in place (check the polarity!). The contact points are made of good quality material and provide a solid connection.

Performance, ease of use, safety and esthetics all play a factor when planning the project but so does the difficulty of installation. Frankly, crawling around under the hood of car isn't as much fun as it used to be and with this set up you won't have to.

The "Morning Mobilers"



The ORC morning mobilers of 1953 – big bumpers and fins with really big whips – looks like the 50's ORC morning mobilers were mostly on 75 and 6 meters.

Field Day in the 60's



This is the ORC crew manning the field day operations in October of 1960 with the "operations tent" in the background.



Here we have Vern Teske (the Oak Creek Bandit) manning the field day station long into the night. So who among us can identify the transmitter and receiver in use at this 1960 field day?

Minutes of the May 8th, 2002 Meeting

By Nels Harvey, WA9JOB, Secretary

Call to order and introductions: The meeting was called to order at 7:30PM at the Grafton Senior Center by President Leon Rediske, K9GCF. Introduction of members and guests was made.

Events and Announcements:

Cathy Pohl, FISH, asked for the ORC's support for the Port Washington Fish Day event scheduled for July 20, 2002. She requested the help of at least 7, or 8 people to provide communications. WI9M, WB9RQR, KB9RHZ, WI9GC, K9CAN, KB9VJP, and K9QLP have volunteered, but more help is welcome.

Leon, K9GCF, announced Matt Phillips has several items from his father, Charles, WB2MSV, for sale. Check his web site at www.mattmilw.com.

Dave, N9QA, announced a military to Amateur cross band contest May 11 from 1300 Zulu to May 12 at 0400 Zulu. This is a fun exercise, and urged all to try it.

Gary, WI9M, called for volunteers for Field Day this year. Several assignments were filled.

Leon, K9GCF, has called another meeting of the Field Day Committee. They are to meet on May 21, at Leon's, at 7:15 P.M. See Leon if you want to join the committee.

Paul, W9SIZ, needs help for a cancer walk on June 2, 2002. The West Bend police chief is requiring communicators on every corner before he will issue a permit. Paul needs about 15 more operators.

Cindy, KA9PZG, reminded us about the Saukville River cleanup June 1st.

Program:

Gary, N9UUR, presented a basic introduction to amateur satellite communications and history, introduced AMSAT, and told us about the trials and tribulations of setting up satellite communications on a Caribbean island.

After the break the business meeting was held.

Treasurer's report: Vic, KB9UKE, moved to accept, subject to audit, and Dave, N9UNR, seconded. The report passed by voice vote.

Repeater Report: The repeater Vice President, Dave, N9QA, reported that everything is status quo. Nels, WA9JOB, explained the repeater encode P.L. now turns off right after the reset beep, to facilitate cross band repeating.

Swapfest Report: Gene, KB9VJP, reported a net profit of \$2032.00 for this year's swapfest.

OZARES Report: Jon, KB9RHZ, thanked Nels, WA9JOB, for the repairs to the old Uniden repeater. Stan has built a PVC support structure and antenna, Greg, W9DHI, has tuned the cavities, and the unit is ready for use. The plans are to try it out at Field Day. The next meeting is scheduled for May 23, 2002, where the repeater will be displayed.

Ham Class: Ed, AA9W, reported two of this class have already obtained their Technicians license. The class is continuing each Saturday.

Old Business: Dave, N9QA, reported the Scholarship Requirements Committee recommended no change to the present scholarship requirements.

New Business: There was no new business

Adjournment: The business meeting was adjourned at 9:30 P.M.

Next Meeting: The next meeting will be held on June 12, 2002, at the Grafton Senior Center.

Attendance: Nels, WA9JOB, Dave, N9UNR, Bernie, AA9CI, Jon, KB9RHZ, Tom, W9IPR, Vince, KB9ZOT, Gene, KB9VJP, Bob, W9LO, Brian, N9LOO, Terry, KA9RFM, Ray, W9KHH, Jim, K9QLP, Don, W9VSC, Dave, N9QA, Vic, KB9UKE, Herb, WA9UVK, Paul, KB9WCC, Ed, AA9WW, Gary, WI9M, Jeff, KB9QQE, Gabe, WI9GC, Ted, KB9RLI, Ed, AA9W, Ted, KA9UCD, Jake, KB9ZOR, Jane, KB9SYI, Tom, AA9XK, Sky, N9XRU, Bob, N9NRK, Paul, W9SIZ, Stan, WB9RQR, Keith, KY9P, Peter, KB9URH, Gary, N9UUR, Jeananne, N9VSV, Mike, N9JIY, Paul, KA9RPR, Dick, K9CAN, Charlie, WA9CPE, Leon, K9GCF, Ernie, K9LO, Ben, K9UZ, and Ted, N9LLT

AGENDA

June 12th, 2002

1. Call to order.
 2. Introductions.
 3. Announcements, Upcoming events, etc.
 4. Program – Field Day
 5. Break
 6. Auction.
 7. Call for acceptance of minutes.
 8. Treasurer's report – Gabe (WI9GC).
 9. Repeater report – Rick (N9PMR).
 10. OZARES report – Jon (KB9RHZ).
-
11. Committee reports – Field day, Audit etc.
 12. OLD BUSINESS
 - a. Open to the floor.
 13. NEW BUSINESS.
 - a. Open to the floor.
 14. Adjournment.

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, June 12th,

7:30 PM