



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.



AMATEUR RADIO

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

Volume XXII

April 2003

Number 4

The Prez Sez

By Vic Shier KB9UKE

Ham radio is good clean fun and this year the Ozaukee Radio Club selected **Leon Rediske, K9GoodCleanFun** as the **Ham of the Year**. Leon got his ticket at the age of 12, encouraged by a middle school teacher who was also a ham and has had fun with the hobby for over 40 years. He is an accomplished direction finder who strives to improve his skills and those of his fellow foxhunters. He is active in a morning Florida net keeping in touch with his ham friends in Florida where he pilots his own plane for vacation several times a year. Upon arrival he sets up his shack before he unpacks.

Having served as the ORC president for the last 4 years, Leon has made many improvements for the club. Always looking for new ideas, he was instrumental in moving the club from 4A to 5A for field day; started the weekly ARRL Audio News; and has provided many entertaining and informative meetings.

Thank you Leon for your contributions to the ORC and amateur radio.

Nels, WA9JOB, provided the program at our last meeting. He had two demonstrations, the MFJ 890 DX Beacon Monitor which is a handy device for knowing where the band openings are and the ClearSpeech Speaker. The speaker demonstration sure impressed the club members that evening and as Nels recommended, anyone running HF mobile would benefit from this handy gadget.

The club swapfest is only a month away. Gene, KB9VJP the chairman of this project stated that although there are still some tables available many are spoken for. He is expecting a good

turnout again this year so bring a friend and enjoy the day, which is our main fund-raiser. And don't forget, Gary, WI9M and his crew will be testing so it is a perfect time to upgrade or invite someone to join professor Ed, AA9W for his Saturday morning class and help them get that first ticket.

73's and remember...It's a hobby!

"HAM" of the Year Award

At the March 12th meeting the "Ham of the Year" award was presented to our Past President, Leon Rediske, K9GCF.



Leon has been club President these past four years and totally immersed in club activities. Leon succeeds his wife Jane (KB9SYI) who received the award last year. They are truly a "HAM Radio" couple. They moved to the area in 1996 and have been totally involved in the Ozaukee Radio Club ever since. Leon was owner/operator of the past Rainbow Airport and continues to pilot his own twin and teach aviation as a Certified Flight Instructor.

Who Does What?

De Vic Shier KB9UKE

Those of you who receive this newsletter by mail should know Peter Klode, N9GOZ. He is a Senior Vice President for Robert W. Baird and the ham behind the scene who is responsible for printing, folding, labeling and mailing our monthly newsletter.

Peter's father, who lives on a sailboat, encouraged Peter to get his general ticket so they could maintain contact via the airwaves. One early morning cold snap froze the cockpit door shut so after their QSO Peter phoned the boat yard to free his father from the frozen depths.

Just Another Shack

De Todd Sprinkmann KC9BQA

This month's shack visit is with Herb Roehner - WA9UVK. When visiting Herb, I thought I was up north. His home is sheltered by stately pine trees that were planted over 70 years ago by Herb and members of his family.



We sat down and talked for a long time. At 87, Herb must be ORC's eldest member. You'd never know he's 87, though. I listened as Herb told me of the places he travels, the friends he meets, and the activities he stays involved with. I marveled as he scooted on all fours to get underneath his shack's

desk, to plug in some piece of equipment. This man doesn't seem to have a tired bone in his body.

Herb has held the callsign WA9UVK since he got his license in 1966. In his early radio years, he operated CW exclusively. Some years ago, he got more active in 2 meters and he still keeps up with friends on various repeaters.

Herb's main rig is a Kenwood TS-820, which he has had for years. When on HF, Herb is partial to 40 and 20 meters. He said that he got his 10-10 a number of years ago but never bothered to send it in. On Sunday mornings, you can tune to 3985 kHz at 8:30 am and hear Herb and the gang on the QCWA (Quarter Century Wireless Association) net.

Herb prefers to operate barefoot and his 820 is hooked up to either a Mosley TR-33 beam or a longwire cut for 3985. Herb has a tower that goes up about 50', and besides the TR-33, he also has an 11-element beam turned vertically for repeater operation on 2 meters. Atop the tower is an "original" ringo ranger. Herb's tower is cleverly designed - he has the ability to fold it over himself.

If you studied for your license through ORC, you probably learned CW under Herb's instruction. Herb said "I taught CW for over 30 years. Ed did the technical part and I taught the code, until about 4, 5 years ago when I got burned out." I had to hide a grin when Herb mentioned "burnout". This gentleman radiates life and vitality.

IT'S HAM CLASS TIME

ORC will be holding its annual Technician Class License class beginning April 6. Each Saturday morning starting at 9:30 and running for about seven weeks - "learned" members of the club will be presenting the information needed to obtain the FCC license. The location is the Justice Center at the intersection of highway LL and S. Spring Street in Port Washington. All of the required topics will be covered with slide presentations and hardware demonstrations. The classes are free of charge but the purchase of a Radio Shack book is recommended. All ages and genders are welcome. Our youngest successful student was nine years old and the oldest was a very senior, senior citizen. The

FCC license testing will be held at the conclusion of the class.

Contact Ed Rate, AA9W for details.

Upcoming Events

4-5 April – AES Superfest

13 April – Stoughton WI - Swapfest

3 May – ORC @ Circle B - Swapfest

18 May – Tour deCure

31 May – Riverfest

1 June – Ride for the Arts

12 July – South Milwaukee WI - Swapfest

27 –28 Sept. – Grayslake IL - Swapfest

WHAT A WAY TO RUN A RAILROAD, errr CONTEST!

The Wisconsin QSO Party was March 9. I didn't participate because I discovered too late to do anything about it, that my contest software does not support this particular contest. Actually I discovered it a year ago, and procrastinated for 12 months—bummer! I've been told since that time that the update is available at the author's website, so I'll probably download it next week or perhaps the following week, or perhaps next April, or perhaps next March. Procrastination has been one of my great strengths for many years now.

I did, however, spend some time listening on a couple of the bands just to see how things were going for those who had the right software, or were willing to use manual logging & checking. I came across one station calling CQ on 75 meter SSB, not a club member, who very badly needed a "contest Elmer" to get him on the right road. I missed his call when I first heard him, so I waited for him to repeat it. He did, about 30 seconds later, with a short "CQ contest", after which he apparently listened for an answer, and perhaps tuned around a bit before repeating the CQ after about another 30 seconds. Silence on "your frequency" is a real no-no in any contest. In broadcasting we call it "dead air", and it makes management people very upset, and makes the station look sloppy. This was a gross violation of the teachings of Contesting 101, which says that if you want to communicate with other contesters you must let them know that you do. I wondered at the time how many stations tuned right by him dur-

ing his dead air so I monitored him for 15 minutes, and he didn't work anyone during that time, even though other stations nearby were working others at a good rate.

This brings us to the contest tip of the month. Allow no more than 3 seconds between CQs—eliminate the dead air. If another station is going to call you, he will make a noise at you the instant you finish your CQ—And don't tune around looking for callers—they will come to you. In order to hold your frequency, you MUST keep it busy at all times, or someone will steal it from you.

Wisconsin QSO Party:

N9FH—292 CW, 297 PH, --- 49 Counties, 42 States, 4 Provinces

K9LO—357 PH

K9QLP—193 PH—38 Counties, 30 States, 4 Provinces

W9RNA—119 PH—27 Counties, 6 States, 1 Province

WI9M—64 CW, 101 PH

AA9W—33 PH—29 Counties, 3 States

ARRL Int. DX Contest—CW

W9XT—480 CW— 100 Countries--10 meters only 560 CW—94 Countries--15 meters only

Coming up in April:

April 6—Annual QCWA QSO Party—CW/Digital/SSB-160 thru 10 meters. Rules in QST, April, Page 97.

April 19—TARA PSK-31 Rumble-80 thru 10 meters. Rules in QST, April, Page 98.

Have fun contesting, Bob, W9LO

For Sale, Trade or ?

Mrs. C. Sweek, whose "HAM" father is now an SK, has donated the following items to our scholarship fund. Contact Ed Rate AA9W at 262-242-0376 if you are interested in any of the following items. Potential discounts to ORC members.

<u>ITEM</u>	<u>MODEL</u>	<u>USED VALUE</u>	<u>NEW VALUE</u>
RADIOSHACK VHF FM TRANSCEIVER	HTX212	\$125.00	\$325.00
HYGAIN ROTATOR AND CONTROLLER	HAM-IV	\$300.00	\$530.00
KENWOOD ANTENNA TUNER	AT-130	\$75.00	\$125.00
KENWOOD DUAL BAND W/ MICROPHONE	TW-4100A	\$175.00	\$300.00
YAESU DUAL BAND W/ MICROPHONE	FT-5100	\$175.00	\$320.00
ICOM 144MHZ FM TRANSCEIVER	IC-229H	\$125.00	\$150.00
SHURE MICROPHONE	MODEL 450	\$45.00	\$99.00
TIMEWAVE AUDIO NOISE REDUCTION FILTER	DSP- 599ZX	\$300.00	\$400.00
YAESU SWITCHING POWER SUPPLY	FP-757GX	\$80.00	\$160.00
MIRAGE FREQ 2M 10W-160W	SN6508- 68	\$175.00	\$340.00
MICRONTA 3WAY CB TESTER	21-526A	\$5.00	\$25.00
SWAN ELECTRONICS METER	SWR-1A	\$10.00	\$25.00
ATLAS HF TRANSCEIVER AND POWER SUPPLY	350- XL,350-PS	\$300.00	\$599.00
HIGH SIERRA HF MOBILE ANTENNA	HS-100	\$180.00	\$599.00
ALINCO DUAL BAND HT	DJ-582	\$150.00	\$210.00
ICOM HT	IC-2AT	\$50.00	\$325.00
KENWOOD 2 METER HT	TH-27A	\$100.00	\$220.00
ICOM HF TRANSCEIVER	IC-735	\$400.00	\$600.00
MISC. (CANTENNA, EARPHONES,PARTS ETC.)		\$50.00	\$75.00

DISCOVERY WORLD MUSEUM

De DON DOSS, K9QEN

Have you been to the James Lovell Museum of Science, Economics & Technology? Did you know that Milwaukee is home to this museum, designated as one of the top five interactive museums in the Nation by The Today Show? You may be more familiar with its more popular name: Discovery World Museum!

DWM has been a labor of love – love of children and the realization that the children are the future of our Country and our World. Such has been the mission of Executive Director Paul Krajniak. He has surrounded himself with people of like thoughts – people who have used their love and their talents to create a museum of masterpieces.

I had the pleasure of meeting Paul and working with him and his team with the remotely controlled cameras that are a hit with everyone that enters the museum. When the camera idea was first presented to Carl Schottel, the Museum's "Artistic Director", I learned that there's more than one definition of "Art". Carl is a master of making things functional yet childproof! I would have thought the way Carl redesigned the joystick would have been impervious to the Incredible Hulk. Instead, we had to go back to the drawing board – this time even an earthquake couldn't harm it!

I have shared my experience with you to give you some idea of the dedication this team has toward reaching out to the youngsters that walk through the DWM doors. I've seen this demonstrated frequently. The year before DWM moved to its beautiful new home, I was invited to demonstrate amateur radio during their Techno-Fest. Paul and Carl's team worked tirelessly in helping us raise antennas and run coax without really knowing what we were doing until we were all set up! Due to the huge success at this Techno-Fest we were invited back two years later, this time at their new home on 9th St. – later renamed James Lovell Street (remember the Museum's official name?). We discussed the idea of a permanent amateur radio station at DWM but shelved it for lack of time and other pressing DWM projects.

The idea resurfaced in October, 2000, when Paul called and asked if I could put a station together for the Jamboree On The Air – his call came on October 16th, the Sunday before the Big Weekend! Getting a team together on such short notice would certainly be a formidable task. However, Milwaukee ARES Director Jeananne Bargholz, N9VSV, had the solution – why not use the new ARES communications van? All we needed was a driver. (Why did everyone have to take a vacation on the same weekend?!?) Finally, when I was about to give up, Milt Klingsporn, N9WSZ, forgoing his personal obligations, stepped up. He drove the van from Mitchell to DWM and parked it on James Lovell Street. We set up and then had a continuous stream of fascinated scouts enjoying their first glimpse of amateur radio.

We're now on the threshold of what will become a permanent, hands-on exhibit of amateur radio at DWM. A group of about 30 hams have expressed their interest in being part of this exciting endeavor. Nine of those dedicated souls braved far less than perfect weather to attend a kick-off meeting at DWM on 4/1. We were shown two of three possible homes for the shack, any one of which would put most of our personal shacks to shame! In addition, rooms and even a small theater are available.

In my letter of appreciation to Carl for his hospitality, I stated that this was a win-win-win proposition. DWM wins by increased gate sales, amateur radio wins through exposing inquisitive youngsters (and oldsters!) to the exciting world of amateur radio, and the community wins by tapping the interest of youngsters and directing it toward very positive paths.

To keep the momentum, we need not just more ideas but ways to implement the ideas to pique the interest of our audience. Ideas presented include speakers outside the shack to draw interest and headphones for listeners to select a communication mode to hear; fast-scan TV; a functioning 2-meter repeater (just like the cops use!); electronic construction classes (crystal radio, code practice oscillator, etc.); amateur radio contests – live!; Jamboree On The Air; pictures; demonstration of radio evolution from spark gap to integrated circuit; communicate with schools and other museums via amateur radio; communication via satellite; communication

with the Space Station (“Space Station” opens at Humphrey IMAX June 14th and includes a piece on the amateur radio station on board the Station); use of an audio tape being produced by Gordon West; having a telegraph key available and teach kids to spell their names in Morse Code; ad infinitum.

Yes, the list is endless. Can you offer other suggestions? Do you have an innovative way to use amateur radio to meet our objective of reaching out to the youngsters (and oldsters!) for amateur radio? If so, please share them with me by either e-mail k9qen@arrl.net or phone 414-281-9294. As licensed hams who love our hobby in whatever mode(s) we choose, we are obligated to preserve our right by being Elmers to interested non-hams. I look forward to hearing from each and every ham in the metro-Milwaukee area!

Another Great Project

De Nels Harvey, WA9JOB

Among some of the many Icom radios that I own, there is an Icom 3210 dual band, mobile radio. I have many miles on this radio, and it has served me well. I replaced it with a different radio in my car because the UHF transmit and receive was very intermittent. It now resides in my workshop, and I monitor several repeaters in scan mode when I am working down there. Some of you have visited my messy basement workshop, and know that I have a reasonable amount of test equipment. I know it's old and generally acquired quite economically, but it is serviceable.

I am in the middle of making decisions intended to fix, or dispose of certain things that have accumulated over the years. My workbench has a row of gear lined up and each will be placed on the bench in turn, have it's future and value determined. I want to keep the Icom, but I thought it would be a great place to start!

I took the radio out of service, and opened it up. I found the schematic, and after some testing (Well, a lot of testing), I found the radio had a logic inhibit that went between 5 Volts and 0 Volts. If the voltage was high, the radio didn't work on 440 MHz. “This can't be so hard”, I thought! I poked and prodded,

used up a whole can of freeze mist (That stuff is expensive), and was unable to localize the problem!

I took a trip over to the Emporium, and prevailed on my friends there to see if I could get more information. A couple of photocopies later, I left with Icom's service telephone number. A long distance call to Bellevue, WA put me in touch with a technician at Icom, who was helpful. He looked up the service records for the radio, and discussed the problem with some others there. He then told me I needed to replace two capacitors in the oscillator circuit. He then mumbled something about getting the case super hot! There was a snicker in his voice!



Back at the bench, armed with new information, I pulled the circuit board out of the radio. The oscillator circuit has a cover over it. I thought about what the tech said about needing to heat the case, as I desoldered the tabs. A medium screwdriver finally popped the cover off, to reveal a blank circuit board! The oscillator was inside the cover, well soldered in, and I had broken off four leads with my screwdriver in removing it!

I systematically heated the sides of the tiny cover, only about 1/2 inch by a little more than an inch, and 3/8 inch thick! Finally, I got the circuit out, and found some of the smallest 47 MFd. Capacitors! These two needed to be replaced. Wearing two pairs of glasses, I put two tantalum capacitors in there. After cleaning everything up I put the tiny oscillator circuit back on the spot where it was removed from. Jumper wires were placed where my might had broken them and I put the radio back together with little hope for success.

After applying power, my heart sunk! The logic voltage was high! Then, suddenly, the voltage dropped, and the oscillator was working! The radio was receiving 440 MHz. signals once again. There are still some issues with the transmitter audio section, but for my purposes, the radio is back on the shelf, monitoring the frequencies better than before! There is still some life in that old, familiar radio after all!

Wisconsin ARES/RACES Needs You!

By Stan Kaplan, WB9RQR
Section Emergency Coordinator (ARRL)
Wisconsin Chief Radio Officer (RACES)
Deputy Director, Emergency Management (Ozaukee County)

Do you think Public Service is an important activity for hams? Do you want to do some Public Service while engaging in your hobby? Do you want to have the added benefit of learning all sorts of new information related to communications? Well then, look no further. Join your local ARES/RACES unit and you will have it all.

If that sounds like a recruiting message, it should, because it is. It is accurate, but not the whole story. Let me tell you the "rest of the story".

How is ARES organized in Wisconsin? Each county in our state (72 total) potentially has an ARES unit, headed by an Emergency Coordinator (EC). The EC's job is to organize and train the unit, and to keep it ready and able to respond to communications emergencies. For example, under Wes Jones' (N9PHS) able leadership, 65 hams participated in providing emergency communications after a tornado in northwestern Wisconsin. You can see the counties with ECs and ARES/RACES units by looking at the map on our website: <http://wi-aresraces.org>. A very few counties have no ARES unit at present because no EC has been appointed. Why the ARES/RACES moniker? Every member of an ARES unit in Wisconsin is also registered as a RACES operator. Every RACES registered operator in the state is also a member of an ARES unit. This has been true since January 2000. ARES, as you know, is part of the Field Service Organization of the ARRL, a private, not-for-profit organization. RACES is administered by a governmental organization, Wisconsin Emergency Management. While it is not

possible to merge governmental and private organizations, we have virtually done so by merging their memberships - the hams who make up the working part of both ARES and RACES. This makes for better working relationships in emergencies, provides additional legal and medical protection for hams under certain circumstances and provides much better service to the public.

I hold a [Nov, Tech, Tech+, Gen, Adv, Ext] class license. Does that mean I am trained and ready to go in emergencies? Most emphatically not! There is next to no emergency training associated with the study leading to any class of ham license. Indeed, there is even a basic difference in the way hams must learn to communicate in emergencies. For example, we hams just love to ragchew. For many of us, that is one of the attractions of the hobby - to be able to have free wheeling conversations with our peers, close by or across the world. In emergency communications, we must learn to be very succinct, and to actually keep quiet when we have nothing to report. We must also learn to be conversant with non-ham communications conventions, such as the 10-codes still used today by a few police and fewer fire departments. We must learn what an Incident Commander is, and what a staging area is. In addition to non-ham language, we must also learn to use non-ham equipment, since we may be required to use public safety equipment in an emergency. In addition, there are a myriad of other areas that we need to train for: HazMat (hazardous materials) incidents, wildfires, tornadoes, earthquakes, maritime and aviation incidents and so on. We need to know something about all sorts of natural and manmade disasters, and the language that first responders will use when they are reacting to the emergency. Sometimes, this knowledge will help us to protect ourselves!

Where do I get the training? You start it after you join an ARES/RACES unit, and it never ends! Weekly nets polish your ability to provide succinct reports on the air. Training sessions, sometimes provided by an Emergency Manager, help you to understand the interface between hams and Emergency Management in a county or the state. Some units hold drills on packet communications, HF nets, weather operations, maritime incidents, HazMat incidents and even vehicular traffic management! Yearly SETs (Simulated Emergency Test) routinely help ARES/RACES units train inside their county for emergencies. During the last few years, the SET

was extended statewide, with an emphasis on mutual aid between neighboring ARES/RACES units. Of course, Field Day is superb for learning how to set up emergency stations in the field, and this year the ARRL has made provisions for Field Day operations in municipal and county Emergency Operations Centers (EOCs). Beyond these sources, you can tap many others on your own. The ARRL has a new series of three excellent training courses (EmCom I, II and III) that you can take via the Internet. Nearly 70 of Wisconsin's 1,350 ARES/RACES hams have graduated from these courses as of this writing, and many more are currently enrolled. The EmCom courses even provide mentors - real, live persons - to check your assignments and provide feedback to keep you on track. FEMA (Federal Emergency Management Agency) has a whole host of related free courses that you can take on line or download and complete at your leisure. There are even courses taught by Wisconsin Emergency Management (WEM) that may be available to you as a member of Wisconsin ARES/RACES. Of course, all these courses provide nice wallpaper when you finish them. But most important, you learn the who, what, why, when, where and how of emergency communications, all very important knowledge when you participate in real emergencies.

Wow! Sounds like it could be a full time job! How much time do I need? Correct, it could be a full time job! However, no one expects that from you. You put in as much time as you can afford, or as little, though some ECs require that you make a certain number of meetings or training events each year. This varies, though, and you must query your EC to get an exact answer. Remember that we are all unpaid volunteers who wish to provide public service as part of our wonderful hobby. Families and jobs always come first. But then, about those spare 3 hours a week that you have...! By the way, an added benefit of becoming better trained for ARES/RACES is that you become better able to protect yourself and your own families when disaster strikes, and better able to prepare for such contingencies.

How do I join? Contact your EC. A list is on the ARES/RACES website referenced above. Indeed, there is an email button next to your EC's name on the website. Just find your county and click the button by the EC's name to send a message. If you live in one of the few counties that have no EC at present, pick an EC from a close neighboring county.

You do not have to live in a county to be a member of its ARES/RACES group. Note, however, that you can only be a member of a single county's ARES/RACES group in Wisconsin. Once you have joined a group, your EC will submit your name, call, address, etc., for inclusion in the RACES roster, a very quick process that completes your membership as a Wisconsin RACES operator. Your EC will inform you when that has been accomplished.

What's in it for me? Aside from those benefits mentioned above, you are guaranteed to acquire a sense of personal accomplishment as your training opens new vistas. You will have taken what used to be just a hobby, and extended it to a skill level that can be used to help others. That is something we hams are noted for in the mind of the public, and we want to continue that mindset. The Wisconsin ARES/RACES motto says it all: We communicate when no one else can.

(Reprinted from the Badger State Smoke Signals at www.bsss.org)

Wanted

Will club members again begin saving those bright orange/red ERA & TIDE liquid soap containers for use at our Field day effort this June 27-29? We use them as "Traffic Cones", markers of all kinds, safety covers for tent stakes, weights filled with water, etc. The water contained in them is useful as well.

Leon, K9GCF

Miller Lite Ride for the Arts

Phillip Bogacki, KB9KEE

Sunday, June 1, 2003

Various morning start times but the event is over by 3pm. We are responsible for nearly 10,000 riders - this is a big event and covers a lot of area. Variety of positions open- all experience levels will find this fulfilling. The ride is comprised of 5 routes (all start at the Marcus Center on Water & State St.):

1. 5 mile route around Veterans Park
2. 25 mile route south to Grant Park
3. 15 mile route south to St. Francis High School
4. 50 mile route north to Concordia University
5. Brand new 75-mile route north to the Allen Edmonds Factory in Port Washington

Our work is highly commended and appreciated every year by the Miller Ride officials.

Anyone interested in helping should contact:

Phillip Bogacki, KB9KEE

Email: kb9kee@arrl.net

Ph: (414) 761-7045

ORC March 12, 2003

Meeting Minutes -

De Carol Szudrowitz, KC9CBC, Secretary

Call to Order and Introductions:

The meeting was called to order at 7:35 at the Grafton Senior Center by President Vic Shier, KB9UKE. A reminder was issued about the time for AARL Audio News, Tuesdays at 7:45 with the NET at 8:00 PM. Ed Rate expressed interest in finding out if members would be interested in an informal NET on 220 or 440 to encourage the use of these bands. If anyone is interested in subscribing to the, Amateur Radio Today, magazine give Vic, KB9UKE, a call.

Leon Rediske, K9GCF, was awarded the Ham of the Year Trophy at the meeting. Congratulations Leon! Thanks for all your dedication to the club.

Program: Nels Harvey, WA9JOB, presented an interesting program regarding a Beacon Monitor which shows a light/beacon on a worldwide map which is synchronized with a radio band. With the help of Leon Rediske, K9GCF, Nels demonstrated how the static was cleared on his YAESU ATAS-100 mobile unit using a ClearSpeech Speaker. For more information see the handout flyer or Nels.

Mike Greenfield, N9JIY, demonstrated his homemade solar power heliograph, 400-700 nano band mirror for Morse code.

Auction: Stan Kaplan, WB9RQR, held his usual auction for the scholarship fund.

Business Meeting

Minutes: Minutes of the last meeting were accepted as in the newsletter.

Treasurer's Report: None as Gabe Chido, WI9GC, is on vacation.

Repeater Report: Nels, WA9JOB, said that the 97 link will be added to Belgium by the end of April. The 220 will be at the barn, auto patch is on it and on 97. The county may donate amplifiers. The 100-watt amplifier could be on hand as a spare or backup. The 443.7 could be changed from 8 watts to 75 or 80 watts. Sandy called to say that phone at barn wasn't working right. After a discussion by the board it was changed. Also the telephone and electric bill will be sent to Gab from now on. The board approved buying a new Phelps Dodge wave antenna. The old one was not cut to our band so reception

should improve. **Note: Watch for Nels "Barn Party"**. Some Saturday after breakfast, all should meet at the barn with push brooms to help clean the place. Jim Albrinck, K9QLP, asked about the 220, seems to need preamp. Gary Becker, N9SBG, donated a generator with a self-starter. It needs a battery and transfer switch to be interfaced with the repeater. Herb, WA9UVK, said he might be able to help with that.

OZARES Report: Jon Gilmore, KB9RHZ, stated that the equipment report has been finalized. Next meeting is Thursday, March 27. It will involve training about weather system.

Scholarship Committee Report: Ed Rate, AA9W, informed all about a donation of radio equipment, (Icom, Kenwood names), from W5VCR. The family lives here and the ham taught others how to work the radios in his home area. The equipment will be sold at the Swapfest.

Swapfest Report: So far sign-up for tables is low so talk it up. There is an ad in QST and on the Internet (AES website with map) as it is ARRL sanctioned. Peter, WA9URH, has taken care of newspaper advertising. Those going to other swapfest should take along flyers. Example - Grays Lake, March 23.

New Business

Board Announcement: The Board approved the motion that the repeater Vice President can spend up to \$500 from the Maintenance Fund on an annual basis for a fiscal year on parts for the repeater.

Technician no code Class: Ed Rate, AA9W, announced that the class for new hams will be at the Justice Center in Port Washington starting March 29, 2003. It will be listed in local papers.

River Clean up: There is a sign up sheet for the River Clean Up organized by Cindy KA9PZG. We helped last year. It takes place in May and takes about 3 hours in the AM.

Superfest "What's the Big Idea"- Location - AES - April 4 and 5 – ORC and OZARES tables are next to each other. Sign up sheets to work are available. We need help to set up at Noon, April 4 and take down April 5 at 2:30. Don't forget to give out our Swapfest flyers at that time and encourage others to join our club.

Space Station Project: Gary Bargholz, N9UUR, is working with math teachers at John Long Middle School to coordinate this. There are many applications to merge in order to get space station link. It helps to have this within school curriculum to qualify for link. Suggestions were Satellite tracking, space propulsion. There is a possibility that this project could grow to include other schools.

No Old Business as Ted, KB9RLI, not present to talk about PEP so the meeting adjourned at 9:10 PM.

Next meeting: The next meeting is at the Grafton Senior Center, the second Wednesday, April 9, 2003 at 19:30.

Attendance: Bernie AA9CI, Joe AA9HR, Herb WA9UVK, Gene KB9VJP, Kent N9WH, Ed AA9W, Nels WA9JOB, Ernie K9LO, Jim N9WIU, Dave N9UNC, Mike WJ9O, Peter KB9URH, Stan WB9RQR, Gary WI9M, Jon KB9RHZ, Gary N9UUR, Jeananne N9VSV, Bob W9LO, Paul KA9RPR, Ron W9BCK, Mike N9JIY, Kevin K9VIN, Jeff KB9QQE, Tom AA9XK, Gary W9XT, Fred N9FH, Paul KB9WCC, Brian N9LOO, Sky N9XRU, Robert W9RNA, Leon K9GCF, Jane KB9SYI, Julia KB9WBQ, Carol KC9CBC, Ray W9KHH, James KA9UPW, Jim K9QLP, Wil KB9HHR.

AGENDA

April 9, 2003

1. Call to order.
2. Introductions.
3. Announcements, Upcoming events, Etc.,
4. Program:
5. Fellowship Break
6. Auction.
7. Acceptance of Minutes as printed.
8. Treasurer's report – Gabe (WI9GC).
9. Repeater report – Dave ()
10. OZARES report – Jon (KB9RHZ).
11. Committee reports.
12. OLD BUSINESS
13. NEW BUSINESS.
14. Adjournment to ?

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First Class

Next ORC Meeting

Grafton Senior Citizens Center

1665 7th Avenue, Grafton

Wednesday, April 9th

7:30 PM