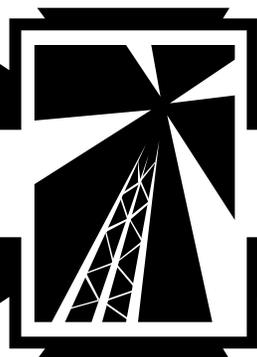


THE WOBBLY OSCILLATOR



EDITOR'S DESK

by Roy Hadden, KB8VJF

I have two articles that I planned to publish in this month's *Wobbly Oscillator*. Both articles were published by local newspapers and require written permission to reprint.

The first article was submitted by Dave Dressler, KD8V. He found a short, two paragraph story in the February 24, 1999 issue of the *Akron Beacon Journal* telling of how Thomas Edison so enjoyed

Morse code that he proposed to his young wife and later exchanged vows using dits and dahs in their 1886 Akron wedding. Dave went through the trouble of requesting and obtaining permission from the editor. The conditions listed were longer than the article itself!

The second article from *The Plain Dealer*, February 2, 1999 issue features a front page color photo and quotes from our top OM, Tom Wayne, WB8N and more quotes from Vice-OM Gary Dewey, NI8Z. This lengthy article tells about the recent retirement of Morse code by international shipping; joining the trend of Great Lakes shipping, the military and the Boy Scouts. The article spills over to another page and reminisces the good old days of electronic communication using Morse's code. The two-page permission to reprint agreement this time was a little shorter than the article!

Both letters granting permission to reprint the articles clearly state that the material cannot be electronically distributed or used on the Internet or web sites. As

you are well aware, the *Wobbly Oscillator* is distributed electronically to over fifty C.A.R.S. members and also posted on our Internet web site, www.cars.org. I'm sure there are creative ways to get around their copyright demands, but I do not have the time. If you would like to see the two articles mentioned above, I will have them at the next meeting. I hope to see you there!



MEETING MINUTES

by Ray Severyn, WD8OMK

Minutes of the regular Club meeting held on March 17, 1999, at the Busch Community Room as recorded by Ray WD8OMK.

The March CARS meeting was called to order by Tom Wayne WB8N at 8:00 p.m. Members in attendance included Nick WA8LOB, Lin WD8SDP, Gordon KC8IOU, Dave KC8FVM, Terry KC8DTC, Ron K8VJG, Ev WA8EYF, Bill AA8WJ, Duncan KC8KQO, Jim KB8SQF, Judy KC8FHE, Dick KC8EPK, Dave KD8V, Ed KB8WUB, Dale KC8FAQ, Arthur N8RKA, Aaron KC8INE, Roger N8TCP, Dan KC8IFU, James N8GXR, Paul KC8AMD, Ray WD8OMK, Gary NI8Z, Tom WB8N, and Greg KG8O.

The list of guests and visitors included Tom Leu W8BWC, David Semanik KB8WRS, Mike Thomas KB8BMY, and Steve Greathouse AC6EA.

CHANGES TO THE MINUTES

There were no changes to the minutes.

CHANGES TO THE TREASURER REPORT

There were no changes to the treasurer report.

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Greg Kopp, KG8O
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Send E-mail to all C.A.R.S. officers at
Officers@cars.org

OLD BUSINESS

August 28th will be designated as Amateur Radio Day at the Cleveland Metroparks Zoo. Hams and their families can get into the park that day for half price. This event is expected to include amateur radio activities including various demonstrations. At this evening's meeting, a motion passed for CARS to support this event.

NEW BUSINESS

No new business was brought to the floor during the meeting requiring action from the members.

COMMITTEE REPORTS: MEMBERSHIP

Robert Drennan appeared in the last W.O. as a candidate for membership with the Club. Robert is not yet a ham; however, he is currently pursuing his license. A motion was made to accept Robert as an auxiliary member. Robert's membership was approved by a vote and will be upgraded to full member automatically when he becomes a ham.

Paul KC8AMD has received applications from Charles Dressler KC8LZP, Ryan Dressler KC8LDI, and David Dressler KC8LZO.

PUBLIC SERVICE

The Pedal to the Point this year is on August 21 and 22. Volunteers can contact Jeff N8YNR for more information.

The March of Dimes Walk America will be held on April 25th this year. Contact T.J. N8UIR for more information.

WEEKLY CLUB NET

Roger N8TCP announced the CW Practice Net is in operation again on the 82 repeater on Tuesday nights.

TECHNICAL/REPEATER

Greg KG8O said final testing of the new equipment for the 443.825 repeater is now underway. There are still a few

interfacing details to work out; however, he hopes to have the installation completed over the next couple of weeks.

Greg KG8O reported that the coordination of the 443.825 repeater has been changed from the old callsign of N8HTX to K8ZFR. The 444.750 is still on the air without a controller. The Club has a third 440 MHz frequency pair that Greg recommends turning back in to the Ohio Repeater Council so that it may be used by someone else. CARS also has a 220 MHz frequency pair that Greg would like to put on the air.

The noise heard occasionally on the 82 is not caused by our repeater. Greg said this noise appears on several frequencies and he did not yet know the source. Also, Vince N8OVW is working toward getting the Shaker Heights input back on the air.

At the April meeting, Greg would like to put on a training session covering how to use the new repeater equipment.

COMM-TRAILER

We still do not have a new storage location for the Comm-Trailer. Paul KC8AMD suggested that we pay for one more month's rent at the present location at a cost of \$60. This motion passed.

FIELD DAY

No report.

DAYTON BUS TRIP

Roger N8TCP mentioned that there are only a total of 14 seats left for the bus this year. Tickets are \$30 each and do not include your admission to the hamfest, just your transportation.

HAMFEST

Tom WB8N said that he will contact Rich N8FIL, the hamfest committee chairman, to see what needs to be done. He will also check into whether or not we will have a special hamfest meeting in the near future.

VE REPORT

Gary NI8Z said that the March 14th VE session was a very successful one. A total of 12 candidates showed up and everyone passed every test they attempted.

K8ZFR

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ADJOURNMENT

The meeting was adjourned at 8:55 p.m.

PROGRAM PRESENTATION

This evening Roger N8TCP demonstrated slow scan TV with the help of Jim KB8SQF and Dan KC8IFU. This live demonstration, conducted on VHF, showed how easily one could get started in SSTV with a computer equipped with a sound card, shareware software, and a few simple interface circuits.



TREASURER'S REPORT

by Judy Crane, KC8FHE

MEMBERS ONLY - This article has been edited for the on-line version of the newsletter. C.A.R.S. members may request the full version of the newsletter by sending a request to the editor.

COMMITTEES

ARC Disaster Liaison

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216-581-3657
WA8EYF@cars.org

Communications Trailer

Paul Valley, KC8AMD
440-237-8116
KC8AMD@cars.org

Dayton Bus Tour

Roger Boehnlein, N8TCP
440-843-6723
N8TCP@cars.org

Digipeater

Tom Wayne, WB8N
440-232-4193
WB8N@cars.org

Field Day

Gary Dewey, NI8Z
216-642-1399
NI8Z@cars.org

Hamfest

Rich James, N8FIL
330-468-2035
Hamfest@cars.org

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OPEN

Statutory Agent

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Sunshine

OPEN

Technical / VA Hospital

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K8ZFR

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Members that still have not renewed

KB8KOV	Ronald Gardin	2/28/99
KC8BOJ	Ed Celestin	3/31/99
W8SCC	Sean Carey	3/31/99
KB8PYB	Robert Wick	3/31/99
NO2O	Fred Partis	3/31/99
KB8PYK	Donald Toth	4/30/99
KC8JFK	Ronald Gallimore	4/30/99
K8RIK	Richard Marcus	4/30/99
N8WOL	Gary Miller	4/30/99
KB8WTA	Daniel Adams	4/30/99
W8ISX	Keith Harper	4/30/99
KC8FAQ	Dale Harper	4/30/99
KB8YPK	Donald Toth	4/30/99
KC8FVN	Don Peters III	4/30/99



FROM THE PREZ'S SHACK

by Tom Wayne, WB8N

SPRING HAS SPRUNG

The grass has riz, I wonder where the antennas is? That's right, time to get out and up and tend to those antennas that have been out in the cold, snow, and wind all winter long. Got to make sure those connections are still tight and able to keep the moisture out! My quad survived the winter quite well, and worked like a champ during those contests. I do have to change the rotor however, as the one that is up there on top of the tower has no brake and the wind likes to turn it and point it to due south! That tower/antenna system of KC8BOJ's is sure a doozy! Congratulations Ed.

DAYTON

By the time you read this issue of the Wobbly Oscillator, the Dayton Hamvention will only be about a month away! Wow! Can't wait! Hope all that were planing to go down on the C.A.R.S. bus got your reservations in, because as I write this, they are going fast. The only thing on my wish for the Hamvention so far is that rotor I mentioned. I have a couple of good leads on vendors for that item. There will be lots of new and fancy rigs to look at and check out, as well as other new and not so new

equipment. I get a kick out of seeing all the call signs on the hats everyone wears down there, especially those from foreign countries!

Another thing I look forward to is going to the DX hospitality rooms and visiting with DXers from other countries. I never ran into anyone I had a qso with yet, but who knows...? Every ham should experience the Dayton Hamvention at least once in their life. Once you do, you will understand why no one can adequately describe it. It is something you have to experience for yourself to fully understand why hams come from all the 50 states and many foreign countries year after year. Try to make this your year to go.

C.A.R.S. HAMFEST

The time is getting closer for the C.A.R.S. Father's Day Hamfest once again, and once again we are going to need the assistance of as many members as possible to make it a success. The hamfest committee is meeting soon to discuss particulars, and members have been visiting the various hamfests from Toledo to Mansfield, passing out fliers to vendors, hoping to entice them to participate in our hamfest. More to come on this event in the future. Remember, this is one of the few ways we have of raising money to keep this organization of ours going, and to keep the repeaters maintained and repaired, and equipment replaced when needed.

FIELD DAY

We have as yet to decide on a location for the C.A.R.S. Field Day extravaganza, but there WILL BE a C.A.R.S. Field Day. It is not too early to check out your gear you intend to use for this event. I had a little problem myself last year. I thought I was all set and ready to begin operation with my ICOM 740 and when I turned it on...nada, zilch, zip, zero, noth-

ing! After doing some checking I found that the internal power supply had gone kafluey! It is still in the shop by the way, waiting for the factory to replace the power supply.

Luckily I had another rig to use, although I really hated to bring out my prized possession and expose it to the elements. Little did I know at the time just how exposed it would be and the extent of the elements! It came through without a scratch or getting wet however, and after it was all over I was able to breath a sigh of relief. So those of you planning on participating in Field Day this year, get your gear together and check it out. It is not too early.

COMMUNICATIONS TRAILER

We will be planning on using the trailer for the hamfest, Field Day, and a couple of other events this summer, not to mention if it should be needed for an emergency. Paul, KC8AMD will soon be looking for volunteers to work on getting the interior of the trailer back in shape. It has been gutted, new floor, wall and ceiling coverings put in, and we have yet to get the wiring re-done, and install the equipment that was in it before. The more help we get, the sooner it can be ready to roll.

As you may or may not know, the rent on the storage place we had was raised quite a bit, and we are still looking for a place to store the trailer, particularly in the winter months. We have a couple of possibilities but are open to suggestions and offers. We will be keeping it at it's present location for the month of April and then it has to be moved.

The communications trailer is unique to C.A.R.S. No other amateur radio club in the Greater Cleveland/Akron area has such a unit and we have to get it ready to be put to use when and if it is needed.

Well, that is about it for this time. Hope to see you at the next meeting. Let's get on the air and use the privileges we all worked so hard to get.

73 for now, de Tom, WB8N

K8ZFR



VE NEWS

by Gary Dewey, NI8Z

March Test Results

March Madness means everyone is interested in basketball, right? Nope, March madness occurred on March 14th when 12 individuals visited our Volunteer Examination at the Independence TownHall in Independence, Ohio. This was the largest turnout in over 7 previous sessions. Fortunately, everything went smoothly as our quack team errrrrr, I mean crack team of VEs consisting of Doc Harper, K8ISX; his son Dale, KC8FAQ; Tom "the Prez" Wayne, WB8N; Greg "I got my hat" Kopp; KG80, Ed "Hazer" Celestin, KC8BOJ; Roger "I'm on time" Boehnlein, N8TCP, performed like a well oiled machine.

Twelve candidates took 22 elements with an extraordinary zero failure rate. From this group 2 Novice, 6 Technician, 2 Tech Plus and one General class licenses were obtained.

The next test date is somewhat different that our usual 2nd Sunday of the odd month. Due to the Mother's Day conflict and also we wanted to hold a test before Dayton so successful candidates could start there wish list a bit early before going to Dayton. Or maybe, just giving them a reason to attend the biggest and best hamfest in Ohio, we moved the test date to the 1st Sunday in May, May 2nd. Hope to see you then, Gary/NI8Z

Future Test Dates

The C.A.R.S. VE group will again schedule examination sessions at the Independence TownHall, 6652 Brecksville Rd, Independence, OH. This site has handicap accessibility.

The upcoming dates in 1999 are:

May 2nd

July 11th

September 12th

November 14th

All dates will be on the 2nd Sunday except May. Testing will begin at 9am. Walk-ins are welcome, however, it would be appreciated if a call for registration was made at least one week prior to the test date. FCC forms will be available. The 1999 ARRL/VEC test fee will be \$6.45. A fee will be charged for any retest of a failed element.

Everyone must bring a pen and pencil with eraser, the original and copies of licenses and CSCEs, a current or valid photo identification,

Contact Gary Dewey, NI8Z, at 216-642-1339 or NI8Z@cars.org.



MEMBERSHIP

by Paul Valley, KC8AMD

Here is the information for our newest to/be nubies hot off the web!

KC8LZP- DRESSLER, CHARLES E

4339 COPLEY RD
COPLEY, OH 44321-1809
LIC ISU 22-MAR-1999 NOVICE
LIC EXP 22-MAR-2009
LST UPD 22-MAR-1999

KC8LDI - DRESSLER, RYAN C

(13 yrs old)
4339 COPLEY RD
COPLEY, OH 44321
LIC ISU 22-MAR-1999 TECH PLUS
LIC EXP 26-OCT-2008
LST UPD 22-MAR-1999

KC8LZO - DRESSLER, DAVID A

(11 yrs old)
4337 COPLEY RD,
COPLEY, OH 44321
LIC ISU 22-MAR-1999 NOVICE
LIC EXP 22-MAR-2009
LST UPD 22-MAR-1999



WEB SITE UPDATE

by Greg Kopp, KG8O

A few additions have been made to the cars web site (<http://www.cars.org>):

A link to allow prospective members to apply on-line is now available on the "How To Join" page.

A current listing of the club roster is also available and will be kept updated on a regular basis.

For those wishing to reserve inside our outside spaces for the hamfest, you can now do that on-line as well.

73 de Greg KG8O



SKYWARN TRAINING

by Jeff Baer, KN8Z

Operators interested in participating in Net control and Liaison for Cuyahoga County Skywarn should attend the meeting on Wednesday April 21st at 7:00 PM at the NWS offices.

Interested persons can call

Jeff Baer KN8Z 330-966-0467

Dan Pickersgil N8PKV 440-838-8636

Sean Douglas N8CLE 440-717-1819

Thanks Jeff Baer KN8Z Coordinator, Cuyahoga Co. Skywarn



SUBMISSIONS

by Roy Hadden, KB8VJF

Articles received by the end of the month will be published in the following month's Wobbly Oscillator.

Send articles by E-mail to:

Newsletter@cars.org

or by U.S. mail to:

The Wobbly Oscillator
1176 Saybrook Drive
Macedonia, OH 44056-2407

K8ZFR



CVS/PHARMACY MARATHON 1999

by Bill Marx, KB8PUZ

You have distinguished yourselves as individuals who volunteer your valuable time and radio skills at public service events. To that end, we are sending this solicitation for your help at the CVS/pharmacy MARATHON & 10k, which will be SUNDAY, MAY 2nd, 1999. The MARATHON will be from 8:00 am until approximately 1:30 pm. The 10k will be from 8:20 am until approximately 9:30 am.

There are three basic types of coverage required, the first two of which are priority assignments:

- 1) GENERAL eyes, ears & radios along the route (50+ req'd)
- 2) AMBULANCE ride in squad, log & report patients (5 req'd)
- 3) SAG WAGON ride in sag wagons, log & report riders (4 req'd)

>> NOTE: NO radio volunteer should ever TOUCH a runner. PERIOD.
<< If a runner or spectator is in distress, CALL NET CONTROL.

The GENERAL assignments can be in shifts; please call in advance if you have time constraints. The task is straightforward; we'll be there to assist the race organizers, participants, spectators, and safety agencies however we can with our communications.

Because of issues of personal safety and liability, we are asking that the AMBULANCES be staffed with hams who are nurses, paramedics, EMT's, or other active/former medical personnel, who will not impede the ambulance crews, and who have seen injured people before. You will NOT perform any patient care yourself.

For the SAG WAGON assignments, we prefer the same type of hams IF AVAILABLE. Again, we are there to communicate only; you will NOT perform any patient care yourself. If you recognize that a runner is in distress, CALL FOR HELP! TOUCH NO ONE!

The AMBULANCE and SAG WAGON assignments MUST be filled for the full duration of the MARATHON (until approximately 1:30 pm). It is understood that this requires a lengthy time commitment, and we appreciate it. YOU MUST CALL OR EMAIL PRIOR TO RACE DAY IF YOU WANT TO WORK THE AMBULANCE OR SAG ASSIGNMENTS. The same is strongly requested for the GENERAL assignments as well. Further details follow:

GENERAL (50+ req'd):

Meeting time: 7:00 Meeting place: Parking lot of Don's Lighthouse Inn (good food!) at the intersection of Lake Road and Clifton Blvd., at the west end of the Shoreway (Route 2), across from Edgewater Park. Parking: Depends on the assignment. Generally not bad. Bring: 2m HT or mobile (70cm too if you can), extra battery(ies), clipboard, pen/pencil, food, & a smile.

AMBULANCE (5 req'd):

Meeting time: 7:00 am SHARP Meeting place: loading dock ramp of the CSU Convocation Center (south side), Carnegie Avenue between East 18th and 19th Streets. Look for the ambulances. Parking: A nightmare, just like every year. Hams can attempt to park near this meeting place; parking may also be available near some of the ambulance assigned locations, which may not be finalized until the day of the race. At the end of the race, ask the driver (nicely) for a ride back to your car. If this doesn't work, you will be shuttled back to your vehicle. Bring: 2m HT, (70cm too if you can), external antenna, extra battery(ies), 12v adapter (if req'd) and Y-adapter, clipboard, pen/pencil, duct tape (ambulance roofs are often plastic or aluminum, so mag-mount antennas must be tape secured), food, travel

mug, & a smile. Note: Ambulance hams will be required to sign a liability waiver.

SAG WAGONS (4 req'd):

Meeting time: 8:00 to 8:15 Meeting place: "in the area of" Chester and East 22nd Street is what we've been told. Look for 3 CSU vans and a chartered bus. Parking: A nightmare, just like every year. Hams should park near this meeting place. Bring: 2m HT, (70cm too if you can), external antenna, extra battery(ies), 12v adapter (if req'd) and Y-adapter, clipboard, pen/pencil, duct tape (vehicle roofs are often plastic or aluminum, so mag-mount antennas must be tape secured), food, travel mug, & a smile.

For all assignments, talk-in frequency is 146.88 MHz, - offset, PL 110.9 Hz. Check the weather forecast, dress appropriately (usually very cool morning/much warmer afternoon), sunblock, sunglasses, rain gear if necessary.

Once again, we ask that you CALL OR EMAIL TO CONFIRM your availability for AMBULANCE and SAG assignments, and prefer this for the GENERAL assignments as well, especially if you have time constraints.

So, bring your radio gear and your best attitude. We know we don't often get the recognition we deserve, but rain or shine, we will again help make this a safe and successful event, as the local radio community has done for many years. A sincere thanks again. 73 all.

For AMBULANCE and SAG:

Bill Marx, KB8PUZ
wjm2@po.cwru.edu
(216) 731-1717 work
(216) 382-0243 home
(440) 612-0693 pager

For GENERAL:

Steve Bellamy, AA8MX
(216) 932-1970

K8ZFR



WALK AMERICA

by T.J. Powell, N8UIR

Hello, I am coordinating Amateur Radio Communications for the March of Dimes Walk America on Sunday, 25 April 1999 from 8:00 AM until 3:00 PM. This event will take place in Downtown Cleveland and consists of a walking route of approximately 6 miles. There will be 10 checkpoints and I will need to have communications at each checkpoint and at various other places on the route. If you have participated at this event in the past you will know that you will be treated well.

Please contact me via e-mail, tjp@tjp.com, or call me at 216-468-1984. I will be looking for approximately 15 Radio Operators. I look forward to hearing from you.

btw.... This event is NOT affiliated with any Amateur Radio Organization. You will be volunteering for the March of Dimes.

btw2.... Please pass this message to any Ham you know of in the Northeast Ohio Area



FCC INVESTIGATES

From the ARRL Letter

The FCC is investigating information indicating that Technician licensee Leonard Martin, KC5WHN, of Houston, Texas, operated outside of the amateur bands without a proper license. Field Office personnel in Houston reportedly monitored Martin and located him using direction-finding equipment on two occasions. On February 27, he was said to be operating on 27.535 MHz and 545 MHz. On March 15, he was said to be operating on 27.370 MHz, a frequency between CB channels.

FCC personnel, accompanied by local police, visited Martin on March 15,

but he allegedly refused a request to inspect his station. The FCC's Riley Hollingsworth, K4ZDH, says he has spoken with Martin, and the case is under review. "This subjects him to a large fine for unlicensed operation and refusal to allow an inspection, plus loss of his license," Hollingsworth said.

The FCC warned Martin in writing last November 3 about operation on frequencies other than those authorized under his Amateur Radio license. "While these warning letters are a courtesy, we don't forget who we sent them to and it is a serious mistake not to take them to heart," Hollingsworth commented.

In other actions, the FCC sent Warning Notices to an Illinois ham alleging broadcasting and on-air harassment as well as transmission of profane and indecent language. The FCC also warned a Texas ham about causing deliberate interference on 40 meters, an Illinois ham who holds a Technician ticket about operating on 20 and 40 meters, and a North Carolina Novice who's allegedly showed up on 2 meters.

License Trsutee's Note: It's obvious that the FCC has stepped up enforcement of the Part 97 rules. We must do our part to help rid the airwaves of bad operators. If you hear any interference on any of the club owned repeaters, please take the following steps. 1) Listen on the input frequency (use your REV button) to see if you hear the interference there as well. 2) Note your location. 3) Call my voice mail at 216-596-5373. Leave a very brief message (less than 30 seconds) of what you observed. Also include the type of antenna and antenna height you have. This will help us narrow down repeat offenders and clean up our repeater. 73 es CUL de KG8O.



ACTION IN YUGOSLAVIA

by Tom, WB8N

With the recent happenings in Yugoslavia, I thought that being able to listen in on the latest via short-wave radio might be of interest to some of our members. The information is taken from an article in the April-May North Coast Communicator, the newsletter for the North Coast ARC.

According to the International Broadcasting Services Ltd, which publishes Passport to World Band Radio, the Voice of Russia World Service, Radio Tirana, Radio Yugoslavia and the BBC World Service offer a variety of points of view on the current happenings in the Balkans. IBS keeps an ear on world short-wave broadcasts from its primary monitoring site in Paraguay.

The Voice of Russia has sort of taken up the Serb cause and Radio Tirana, from the Albanian capital supports the other side of the conflict. Radio Yugoslavia of course gives the perspective of the Milosevic regime. The BBC World Service offers the more neutral position.

It is considered by the editor-in-chief of IBS, Larry Magne, a bit odd that Radio Yugoslavia was still on the air as of March 25, but IBS monitoring indicated the station was active on 7115 kHz, 0100-0130 UTC. Since the latest rounds of bombing however, this station may not still be on the air, since radio stations are "typically, the first things they go after" when bombing Magne said.

The Voice of Russia can be found on 7125, 7180, and 7250 kHz as well as other frequencies in the 40 meter band, and has been heard on 12,000, 12020, 12040, and 15,595 kHz. Radio Tirana can be found on 7160 kHz. Both stations broadcast in the evenings. The BBC World Service is best found on 5975 kHz.

Radio France Internationals, Radio Free Europe/Radio Liberty, and others are adding transmissions to the Balkans, so it

K8ZFR



is not inconceivable that some of the international broadcasters with access to large transmitting facilities may add frequencies because of the Balkan situation, according to Magne.

Radio B92 (92.5 MHz) in Belgrade has been shut down by the Yugoslav government but has attempted to continue to broadcast via the Internet to avoid possible censorship. IBS says it has an unconfirmed report that the independent Radio B92 will be rebroadcast on short-wave to Yugoslavia and much of Europe on 11,415 USB. This transmission appears to be via the facilities of an existing Western European hobby pirate station, probably using a ham rig and thus at very low power. B92's Web site, <http://www/b92.net/> does not mention a short-wave broadcast. The site offers English language broadcasts, but these generally have been unavailable since the bombing began. The Web site suggests listeners try the Real Broadcast Network if they experience problems. Radio B92's Web service has been intermittent but the station is managing to get through using telephone lines to feed its audio. The Web site also provides news in English and Serbian.

So, if you are interested in what is going on in Yugoslavia and/or are a short-wave buff, try out these frequencies. Again, the information in this article was gleaned from an article in the North Coast Communicator.



HAM WEB SITES

by Tom Wayne, WB8N

Here are some web sites I thought some of you might find of interest, regarding Amateur Radio. If any of you know of other sites of this nature, submit them to the W.O. for us all to check out and enjoy. Most of these I have tried and some I have not, so I cannot vouch for all of them. Give them a try and see what you find!

Satellite Frequencies
<http://www.amsat.org>

Internet QRP Club
<http://qrp.cc.nd.edu.qrp-welcome.html>

Dayton Hamvention
<http://www.hamvention.org>

Northern Ohio DX Association
<http://www.en.com/users/k8yse/nodxa.html>

K4UTE - QSL Mrg Quick Lookup
<http://users.southeast.net/~rhicks/k4ute.htm>

Amateur Radio & Related Links (hours can be spent here.)
<http://www.wm7d.net>

10-10 International
<http://www.lehigh.edu/lists/tenten-1>

Lake Erie Amateur Radio Association
<http://www.apk.net/leara/>

For Collectors of Old Amateur Gear
www.kwarc.on.ca/hammond/index.html/

Newsline (current Amateur Radio news)
<http://www.newsling.org>

Packet Radio
<http://www.packetradio.com>

W5YI Report (news from another view)
<http://www.w5yi.org>

Tucson Amateur Packet Radio Home Page
<http://www.tapr.org>

Kantronics
<http://www.kantronics.com>

International Amateur Radio Union
<http://www.iaru.org>

SM5ARL QSL Mgrs & DX News & Links
<http://www.algonet.se/~sm5arl>

KD4UJK's DX Info
<http://users.southeast.net/~kd4ujk1/dxqsl.htm>

Ride the C.A.R.S. Bus to Dayton Hamfest
Saturday, May 15, 1999
 2:00 AM – Leave Cleveland
 6:30 AM – Stop for Breakfast
 7:30 AM – Arrive Dayton
 4:00 PM – Leave Dayton
 8:30 PM – Arrive Cleveland

\$30.00 Bus Ticket
 Hamfest admission not included.
Call Roger, N8TCP
 440-843-6723
Send E-mail to
N8TCP@cars.org

K8ZFR

**The Wobbly Oscillator
On-line Version**



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K8ZFR'S QSL CARD

by Ron Borkey, K8VJG



K8ZFR

THE WOBBLY OSCILLATOR

April, 1999

CLUB FREQUENCIES

70cm repeaters 443.825, 444.75(+)
2m repeater 146.82(-)
2m simplex 146.475
2m digipeater (CARS) 145.07
6m repeaters 53.83, 53.01(+)

Internet <http://www.cars.org>

NEXT MEETING

Wednesday, April 21, 1999
Busch Community Room
7501 Ridge Road
South of Pleasant Valley
in Parma, Ohio
Meeting starts at 8:00 PM



Time to renew your membership?
Check the expiration date on your address label.



The Wobbly Oscillator
1176 Saybrook Drive
Macedonia, Ohio 44056-2407

