



The Cuyahoga Amateur Radio Society

THE WOBBLY OSCILLATOR

News

Activites

Articles

Minutes

Date: March 2002

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FROM the PREZ

Our February 20 meeting was a typical late winter meeting with good attendance and enjoyed by all who came.

Ron K8VJG provided doughnuts, coffee and pop as usual. Ron also collected \$50.00 for the 50/50 drawing,

One of our newer members Bob Evans K8AAB was the winner of \$25.00. congratulations Bob!

The membership committee is sending notices to remind everyone as to how much to send this year as the dues are prorated through the end of 2002. On January 1, 2003 everyone's dues will be due.

The Technician Ham class is doing very well, only 2 weeks left before we have a special VE session for the class and it looks like most, if not all, of the class will pass easily. With the success of the tech class Gary, NI8Z announced we will begin a code class on March 12, 2002 at the same location. See details on another page in this issue.



Tom WB8N instructing the class



Steve N8IS, Ron K8VJG, Toby Kolman, Carol & Don Dziubakowski KC8NIX

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Please contact Steve N8IS if you can help with communications at the St. Patrick's day parade this year, we have 6 committed and would like to see at least 3 or 4 more. Refreshments will be served, and

From The PREZ, continued...

Governor Taft along with many other celebrities will be in the parade.

As Spring is close I will be scheduling a work party or two at the W. G. Mather, most likely on Saturdays in the next few weeks. Some antenna work is needed along with looking at equipment and other needs in the radio room.

Anyone interested in helping please contact me ASAP. I will be contacting the members of the W.G. Mather committee to arrange the best dates for our work parties.



William G. Mather

Hope to see you at the next meeting March 20, 2002, 7:30PM at the Busch Community room.

de, Bob W8GC

Membership Application

David Kushman KD8AV has applied for membership in the Cuyahoga Amateur Radio Society. He is an Amateur Extra Class licensee and is interested in Rag-chewing and DXing. Dave operates HF, as well as VHF/UHF He hails from Middleburg Heights. Hope to see you at the next meeting Dave!

Communications Volunteers Needed For The March of Dimes Walk America 2002

The March of Dimes will be holding it's annual Walk America on SATURDAY APRIL 27TH, please note that this event is the day before the CVS Marathon. This is a walking event held in Downtown Cleveland to raise money for healthier babies. There

will be approximately 7000 people walking the 5 mile route through Downtown Cleveland and the Flats. Communications is required at all rest stops, start/finish and various other critical points along the route. The volunteers are needed from 7:45 Am until approximately 1:00 PM. A total of approximately 16 volunteers is needed.

This is a fun event where the volunteers are very appreciated and treated well. They will give you a t-shirt, lunch, and more importantly, you'll be helping the March of Dimes to save babies.

If you're available to help out PLEASE contact TJ Powell (N8UIR) by email at tjp@tjp.com or at 330-468-1984. We can use all the help we can get.

LICENSE EXAM SESSION DATES

The following dates are the scheduled dates for the CARS testing sessions, held at the Independence Town Hall on Brecksville Rd. The dates are all on a Sunday. If you have any questions or want to get on a list, you can call Gary Dewey NI8Z at 216-642-1399.

The exam dates are:

March 10, May 5, July 14, Sept. 8, Nov. 10
See you there!

FOR SALE

MFJ -1026 Deluxe Noise Cancelling Antenna System, BRAND NEW NEVER USED: \$60.00
Yaesu FT 900 with CW Filters & Microphone: \$525.00 Contact: DWAINÉ MODOCK, K8ME at 440-582-3462 or e-mail: k8me@peoplepc.com

Heathkit SB-220 Linear Amplifier, full output, 80M to 10M, Harbach modifications installed, extra antenna relay (new) with manual. \$500.00
Also, **Tennadyne T-12 Log periodic antenna**, 14 months old, 30 ft boom, longest element 38 ft, 20 thru 10 meters with less than 1.5 to 1 SWR on all bands \$600.00
contact Bob Check W8GC at 216-524-7711 or e-mail bob@2cls.com

FEBRUARY MEETING MINUTES

Steve N8IS, Secretary

The February 20, 2002 Meeting was called to order by W8GC at 7:30 p.m. at the Bush Funeral Home Community Room. Introductions were made around the room. 24 Members and 2 Visitors were in attendance.

Fred NO2O moved to accept the minutes from the January meeting as posted in the WO and Dennis KC8SEV seconded. All in favor.

Treasurers Report: Paul KC8AMD gave a Treasurers report. Ron K8VJG moved to accept the report and Mike K8EHP seconded. All in favor.

Tech Report: Bob W8GC reported that Vince checked power output at 82 site and it was at 10 watts. Loaner in place giving about 40 watts output while ours is being repaired. Several members have noticed improvement.

Sunshine: Aaron KC8INE sent a Sympathy card to Bob Winston W2THE upon the passing of his father.

Ham Class: Gary NI8Z talked about the tech classes that are currently in the 7th week. March 5th on the last day of classes a VE Test Session will take place. (The following Sunday, March 10th at 9:00 a.m. our scheduled VE Session will also be held at the Independence Town Hall) A 5 wpm CW Class is scheduled to start Tuesday, March 12th at 6:00 p.m. Please have any interested parties you know contact Gary NI8Z at 216-642-8705.

Dayton Bus: Gordon KC8IOU is getting ready for the Dayton Bus Trip. There are 39 seats available at \$30.00 each. The Bus will be leaving Brecksville May 18th at 2:00 a.m. After a breakfast at Denny's on the way to Dayton the bus driver will drop us off at the door at the Hara Arena. You need to get your own admission ticket which is \$17 in advance or \$22 at the door. Call Gordon KC8IOU 330-225-6917 with any questions.

WO Editor: Tom WB8N reminded everyone to keep the articles coming in.

50/50: Ron K8VJG said \$50.00 was collected and a prize would be \$25.00 Winner of the drawing was Bob Evans K8AAB.

Great Lakes Search & Rescue: Tom WB8N announced there was a successful Search and Rescue in the Metroparks. Gary NI8Z showed certificates of appreciation for members who helped at the January Search and Rescue.

New Business: Paul KC8AMD reported that he's been pleasantly surprised that some people making dues payments had added extra money in as a donation to the club. Paul read a note from a gentlemen signing up for the Dayton Bus Trip who expressed how the bus trips help him attend the Hamfest, even a non-member does

appreciate our effort. March 29 is a Spring Lighthouse Event.

Skywarn is starting another training program as all the Ham volunteers resigned. The volunteers will help at the Weather Services Cleveland Office. If you are interested contact Gary Garnette via e-mail: garygarnett@noa.net.

Sean Carey W8SCC spoke about the St. Patrick's Day Parade. "Emerald City Wireless Society" needs volunteers to help with the parade. Sunday, March 17th at 11:00 meet at 22nd and Euclid the parade starts around 2:00 and is expected to last at least 2 hours. For security reasons your name is needed in advance. 443.825 repeater will be used. Food will be available for all volunteers. Please let Steve N8IS know if you would like to volunteer before March 7th to give Sean adequate time to register your name as a volunteer. (Steve N8IS 216-328-9276)

Sean also reported that he lost several close friends the morning of 9/11/01. For 72 hours after the incident Sean reported that New York areas only form of communication was Amateur Radio communications for Police, Fire, Emergency and Port Authority.

Steve N8IS would like to have a special Bowling Event or 1 or 2 teams on a mixed summer league - Mixed teams with spouses and/or kids are welcome. Please contact Steve at 216-328-9276 if you have any interest in participating.

Presentation: Ron Borkey K8VJG did a short presentation about his mobile operations. He showed QSL cards and talked about how he's contacted more than 200 countries mobile since August 2001. His presentation included his choice of vehicle, wiring, equipment and antennas. If you would have any questions or would like to improve your mobile operations, Ron K8VJG would be a great source of information.

The next meeting will be held March 20, 2002 at Bush Funeral Home at 7:30 p.m.

Mike K8EHP moved to close the meeting. Roy KB8VJF seconded. Meeting closed at 9:04 p.m.

Answer to trivia question on page six:

No, only every 10 minutes and at end of contact.

THE RANDOM WIRE

by Tom Wayne, WB8N

GREAT LAKES SEARCH AND RESCUE UPDATE

CARS members participated in another GLSAR drill on Saturday, Feb. 16th. This time the drill was a little closer to home, in the Brecksville Metro Park. We met (after some confusion on some of our parts) in an office at the Brecksville Veterans Hospital, where the rescue team holds its meetings.

After the meeting we dispersed to the Meadows picnic area in the park, where several search and rescue scenarios were presented to the search dogs and their humans. As usual, CARS members provided communications for the search teams back to net control at the base. This time we did not have the luxury of a nice warm building to use as the base. We ran out of our vehicles at the picnic area. The weather wasn't too bad though. It was overcast and about 35 to 40 degrees, with a slight wind. The drill started at around noon and lasted until 2 P.M. after which everyone went back to the VA Hospital for a critique and pizza. CARS was represented by Judy and Jim Crane, KC8FHE and KB8SQF and myself. There was one other ham there from Medina Civil Air Patrol participating as well. Stay tuned for the date, time and location of the next drill.

DAYTON HAMVENTION

The days are getting longer, and the time is getting shorter until the Dayton Hamvention is upon us! I received my tickets in the mail today (Feb 23rd) and am getting anxious! If you have never been to the Mecca of amateur radio, there is not time like the present to make a point to be there THIS year!

The ideal way is to spend the whole weekend there. I go down with a group of hams on Thursday. We then get settled in our motel rooms and meet for dinner at one of the local restaurants. Then early to bed, and up and at-em early Friday morning for the opening of the flea market at 8:00 A.M. After a long day at the Hamvention it is back to the room, take a dip in the pool, then the hot tub to work the kinks out of our bodies, and out to dinner. Friday night we meet up at the Northern Ohio DX Assn. hospitality room at the Crown Plaza hotel downtown. That is really neat because you can meet and chat with hams from other countries who drop in for a visit to the hospitality room! Then Saturday morning it is a repeat of Friday pretty much. It takes two days to get through the entire outdoor flea market and the indoor areas. Saturday evening it is back to the NODXA hospitality room. There is a DX Banquet on Friday

evening and the Hamvention Banquet on Saturday evening which can be taken in if one so desires. Saturday's banquet has big name entertainment afterwards which you can do separate from the banquet if you want to. This year's entertainment has not been set as yet. Nothing like waiting until the last minute! Then Sunday A.M. we check out of the motel and head for the Hamvention for one more go-round. This is when vendors in the flea market knock their prices down to bare minimum, because they don't want to have to lug all that stuff back home again! You can get some real bargains! There are forums throughout Friday, Saturday, and even Sunday morning, on various subjects, that you can sit in on. At 1:00 P.M. Sunday, they hold final drawings, making sure that all the prizes are given away. Normally you have to be there for this, although for the main prized you do not! We then get underway for home. It is a little late to make room reservations now. I am sure there are rooms available, but they won't be real close to the Hamvention site. We make our reservations for the next year at checkout time, which is what most of the hams that make the trek to the Dayton Hamvention do.

BUT...if you cannot spend the whole weekend at Dayton but still want to get down there and experience the Hamvention, there is an alternative! It is the CARS sponsored bus ride to the Hamvention! The bus leaves early Saturday morning, gets to the Hamvention by opening time which gives you most of the day to see as much as you can, and find those bargains! The bus heads back to Cleveland late in the afternoon. For more on this way to get to the Hamvention, see the notice elsewhere in this issue.

WORKING THE LOW BANDS

I know a lot of you are not big on DXing or operating on HF, but I thought I'd throw in a bit about this subject here.

I have not been very active most of this year on HF. I went the entire month of January without logging a single contact! I made a couple of DX contacts early in February, but again, I was not very active. On the 16th and 17th of February however, there was an ARRL CW DX contest going on. This is when you can usually make contact with those countries you have been looking for, that are not on the air often. Well, I got three new ones (new for me) during the contest. I contacted 3A2MD in Monaco and YI9OM in Iraq on 20 meters, and 901A in Zaire

(Democratic Republic of the Congo) on 17 meters. This really made my weekend!

Ron Borkey K8VJG has accomplished quite a feat! He has QSO's with over 200 DX countries running mobile! Way to go Ron! Ron is also the guy who keeps the Rain Forest station on the air at least once a week.

ABOUT THAT REPEATER

It seems Vince Bok N8OVW, our tech guy, made a recent visit to the 146.82 repeater site and found that the amplifier was shot and the repeater was only putting out about 10 watts! He replaced the fried amp with a 40 watt loaner until it can be repaired and re-installed. The 40 watt amp has made a difference, but when we get back to normal operating conditions of 100 watts, things will be much improved. So it was not so much the tilt of the antenna that was the problem, but the low power of the repeater itself!

Thanks Vince! We really do appreciate your time and efforts and everything else you do to keep the CARS repeaters on the air!

ODDS AND ENDS

Club Net

First of all, remember to check in on the CARS Wednesday evening net, held every Wednesday except for meeting night, at 7:00 P.M. on the 146.22/82 repeater! We have a trivia question during most nets that you can test your knowledge on. Plus it is fun and good practice operating on directed nets.

Picnic Meetings

Only three more meetings to go and we will be back at the Oak Grove Picnic area of the Brecksville Meto Park for our picnic meetings. C'mon Springtime, cuz summer is right behind!

Field Day

Time to start thinking about participating in our Field Day operations also. We are holding Field Day at the same place as last year again, at the Al Koran Shrine property in Broadview Heights. This is very near the highest point in Cuyahoga County, and the facilities are fantastic. We have our President Bob Check W8GC to thank for obtaining this spot for our Field Day efforts. We did pretty well in the standings the past few years and hope to do even better this year! We need participants and/or at least visitors to be successful. This year Field Day is Saturday and Sunday, June 22 & 23. More on Field Day as it draws nearer.

Newsletter

If you have something that is on your mind and want to speak out, why not write an article for the CARS newsletter? It's easy. Just sit down at your word processor and start typing. It doesn't matter if you have never written an article for publication before. Just write what you know, feel, think, etc. and get it to the editor of the newsletter (me) by e-mail, or put it on a disk and send it snail mail. If you don't have access to a computer, write it down in long hand or on a typewriter (remember those?) and get it to me any way you can. Just do it! The more articles the better. Be prolific, get an article in the newsletter every month!

Hamfests

By the time this issue of the W.O. "hits the stands", I will have been to three hamfests already this year, with a couple more to go before "the Big One". They have been pretty good hamfests too, with Mansfield being the best in my opinion. That is always a good one! See elsewhere in this issue for a list of up-coming hamfests.

TTFN

That's about it for now, so until we meet again on the air or at the next meeting, 73 to all. Hope to hear you on the air. Make use of your license privileges!
de Tom, WB8N

VEEP'S VIEWS

by Gary Dewey, NI8Z

There is a certain bit of insanity that is increasing on the amateur radio bands. It seems to occur too often but appears when there are efforts for enterprising groups to put rare and difficult locations on the air. North Korea, P5, is one of the rarest countries to have any amateur radio activity. There is a one man operation there, occasionally. Trinadade Island and Cocos Island have recently put an DX operation on the air. Other operations are expected to come on the air this year. The amateur radio bands come alive with those that want to work these locations and those that want to cause confusion, interference, those that seem to think they are the DX police to assist those poor souls who are lost on the bands, and those that just don't have a clue as to who is on the air, where they are, what their callsign is or who the DX station is calling.

I have heard the P5, North Korean station calling for South American stations only. I think every US call area was calling them back. I hear DX stations asking for a station with last letters "alfa bravo" and every other two letter combination returns with their call such as kilo bravo one "xray zulu". Have amateurs forgotten the phonetic

alphabet? I have heard DX stations ask for "EU", Europe only, and California, Arizona, Texas, Ohio stations are calling in the band that they are listening. I have heard stations ask for VE1 through VE4 only call now. K1, W6, N3, VE6 stations are heard calling. Are these stations

confused or are they just being pushy, rude, "stupid"?

Then the DX police jump in, without call sign identification and start "helping" with name calling or just being on the DX's frequency at the same time as the DX is talking.

Years ago, Hiram Percy Maxim, founded an award, I guess you could call it that. It was called the Wouff Hong. See the article reference. I conclude it was a LID operator offering.

This VP is considering another poor operating award to those stations heard calling "out of turn", or just showing extremely offensive operating character. This award would be called the SWINE Award. It would look something like the head of a BOAR with no ears and a very large mouth. It would be given to those operators heard doing any of the above mentioned on air actions.

Now who has a good design to come forth with so we could begin to proffer this malfeasant award?

The Wouff Hong History can be found at:

<http://www.arrl.org/tis/info/history.html>



The dreaded Wouff Hong.

AMATEUR RADIO MOBILE

by Ron Borkey Sr. K8VJG

About two years ago, I decided to go mobile on the 40 meter and 6 meter bands. The sunspots were, and are great! I had only a two meter radio installed at that time.

First I needed to decide on a radio. After talking it over with other hams and checking out the catalogues, I picked a Yaesu FT100. This will cover 160 meters to 440 MHz bands at 100 watts on 160 to 6 meters and 50 watts on 2 meters and 20 watts on 70 cm. There is no 220 MHz coverage.

This rig is small size making it easy to fit under my front fold down console. It also has a removable front panel, for which I made a bracket, and mounted it on top of the fold down console.

The best antenna that I figured for my use was the Yaesu ATAS 100, which is an automatic tunable type to be used in conjunction with the FT-100. This antenna can also be manually tuned from the control panel. I also decided that the Diamond C211 would serve me the best for the mounting base, considering the type of vehicle in which I was installing this, which is my Ford Taurus station wagon.

I find it a good idea to look in the owners manual for information on this, also another amateur, K8YSE, who has a Ford mobile installation related to me that the fuel pump causes noise and that a filter needs to be installed at this point. This means that the fuel tank would need be removed to accomplish this. John, K8YSE, also informed me that there is a service bulletin on this and to check with the auto dealer in regards to this. This is to be done at the manufacturer's cost. It wound up that the dealer had no information on this. K8YSE gave me a copy of the bulletin from when he had a filter installed in his vehicle.

The next item to be considered was the installation of the electrical wiring to power the radio. The FT-100 would draw 22 amps on transit so I used number 10 wire in a red/black pair with and pulled it through a wire loom for protection. I used Motorola type fuse holders number 84244b01, rated at 30 amperes, and connected them directly from the battery. Running the wires into the car was a bit of a challenge in trying to go through the firewall. Fortunately there was a rubber plug, probably used for another model vehicle, in the firewall and, with help I was able to complete this installation.

The antenna base was mounted on a piece of uni-strut and held in place by two stainless steel hose clamps to the rear luggage rack as suggested by John, K8YSE. The feed line consists of a 6.5 foot length of RG316 and 10 feet of RG8X/mini 8 cable assembly with a PL259 adapter. I ran the 6.5 foot section into the spare wheel well and decided to run it through the inside duct along the floor on the left.

The 10 foot RG8X/Mini8, furnished with the Diamond C211 mounting base was short so a longer piece was purchased that had PL-259 with silver Teflon connectors

There are two places that I installed grounds; one from the uni-strut to a bolt which holds the rear door using copper foil, the other from the FT-100 to a mounting bolt on the floor of the front seat.

With the help of Gary, NI8Z, the installation was completed. We put a dummy load at the antenna base and checked the coax for swr which was 1:1. The FT-100 has a feature in it that checks the swr on each band in the form of an icon which will appear on the operator's panel in the form of an antenna symbol with an X through it if

the swr is unacceptable. This rig's operation is controlled by menus accessed by the control panel and some short cut push buttons.

The installation proved to be successful. Upon checking my log book, my first 14 contacts were 5 from the USA and 9 from Europe. I now have worked 202 countries.

I use an MFJ 281 Clear Tone external speaker as I was not satisfied with the one performance of the furnished. This is mounted under the dash and just above the main part of the FT-100.

When I write in the log book, it is at a stop light or I pull off the road or else hopefully I remember when I reach a destination... in other words be careful!

Editor's note: Ron Borkey K8VJG, is an experienced ham, and is a retired electrician. Who better to ask if you have any questions about your next (or present) mobile installation?

Club Frequencies

70cm repeaters

443.825 MHz Input 448.825 MHz PL 131.8 Hz

444.750 MHz Input 449.750 MHz PL 131.8 Hz

2m repeater

146.820 MHz Input 146.220 MHz PL 110.9 Hz

2m simplex 146.475 MHz

2m digipeater 145.070 MHz Node CARS or K8ZFR

CARS Web Site <http://www.cars.org>

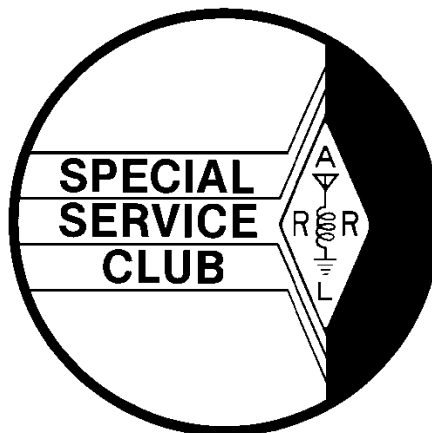
WEDNESDAY NIGHT CARS NET 146.82, 7:00 P.M.

UP-COMING HAMFESTS IN OUR AREA

There are a few hamfests coming up in the next couple of months.

The next one is the Lake County ARC hamfest in Madison Ohio. This is on Sunday, March 24th.

Then there is the St. John Lutheran School hamfest on Saturday April 13th in Garfield Heights. This is their second one and is a fund-raiser for the school. It is a small one but growing. They do have a good, inexpensive, breakfast !

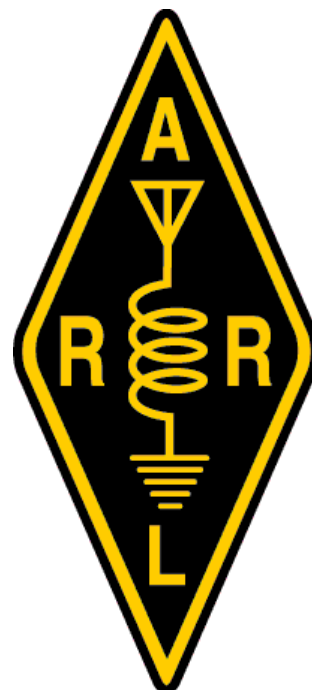


A BIT OF TRIVIA

Do you have to give your call sign when you call another station on the air?

1. Yes.
2. Only during contesting
3. Only during sporadic E operation.
4. No.

Answer on page four





TALK CW !

Gary, NI8Z operating CW at CARS Field Day station NO8A

Time to upgrade your Technician license, or pass the code to complete your General class license?

REGISTER NOW FOR CARS CODE CLASS

When: Every Tuesday March 12, 2002 through April 9th or 16th

Where: Independence Civic Center, 6363 Selig Dr. in the Willow room

Time: class runs 6:30 pm to 8:30 pm, doors open at 6:00 pm

Cost: \$10.00 includes materials, please bring pencil, pen and paper

To register or for more information call Gary, NI8Z at 216-642-8705 or send e-mail to gdewey@en.com

2002 C.A.R.S. DAYTON BUS TRIP

MAY 18, 2002

The Dayton Bus Trip for the year 2002 is a go! Sponsored by the Cuyahoga Amateur Radio Society, the bus will leave from the Brecksville Road Transit Co, located at 7885 Snowville Road & Brecksville Road, at 2:00 am on the morning of May the 18th, 2002. Cost of the trip will be \$30.00 per seat on a bus that will seat 47 riders complete with comfortable seats, rest facilities and last but not least its own driver! That's right, you wont have to make that 4 hour ride on your own, you can sit back, relax, and leave the driving to us.

This trip is open to all, not just members of C.A.R.S. you don't even need to be a HAM, all you need is a desire to have fun. While in route, some of the riders will sleep, some will talk about last year's trip down to Dayton, and for some this will be their first time down to Dayton. Which ever category you fall into, it is the only way to go down to the Hamvention.

We will stop at Denny's for breakfast on the way down to Dayton so bring your appetite. After breakfast its back on the bus and off to the Hamvention we'll go. The bus driver will drop us off at the door to the Hara Arena and the rest of the day is yours. Wear comfortable shoes, because you will be doing a lot of walking, there are so many things to see and do there wont be much time to sit. But if you do need to sit there are plenty of places to take a rest. If you like you can stop back at the bus to put anything you might have bought on the bus so you wont have to lug it around with you all day. Don't worry the bus driver stays with the bus all day long under the trees, so feel free to return to the bus for a rest or just to stow all your gear.

You will need to get your own ticket into the Hamvention the cost is \$17.00 in advance or \$22.00 at the door.

We will leave the Hamvention late in the afternoon on Saturday the 18th and will drive for a short time then we will stop for dinner at a McDonalds or Wendy's, then back on the bus for the trip home! All will be talking of the great deals that they made and that one piece of merchandise that they went back for but was gone.

Make your check out for \$30.00, payable to C.A.R.S. and send to:

C.A.R.S.
PO BOX 31264
Independence, Ohio 44131

Hope to see you on the bus, you can call me at 330-225-6917 with questions or you can e-mail me at kc8iou@cars.org or kolusgt@yahoo.com

73,
Gordon Kolus KC8IOU



COMMITTEES, OFFICERS, BOARD MEMBERS

American Red Cross Disaster liaison

Ev Chitester WA8EYF ** 216-581-3657
Judy Crane KC8FHE 216-524-1537
Jim Crane KB8SQF 216-524-1537

ARRL Liaison/media representative

Marc Rubin, KB8QHJ ** 440-717-0846

Community & School Program

Dave Dressler, KD8V ** 330-666-8721
Steve Riley, N8IS ** 216-328-9276
Ron Borkey, K8VJG 440-237-6718

Dayton Bus

Gordon Kolus, KC8IOU ** 330-225-6917

Digipeater

Tom Wayne, WB8N ** 440-232-4193

Elmer

George Pindroh, K8KR ** 216-941-5304
All members

Field Day

Tom Wayne, WB8N ** 440-232-4193
Aaron Clark, KC8INE 440-526-9705

CBARC/Liaison

Dwaine Modock, K8ME 440-582-3462

CARS History

Ev WA8EYH 216-581-3657 **
Mike K8EHP 216-252-6640 **
Tom Wayne, WB8N

Jamboree on the Air

Roy Hadden, KB8VJF ** 330-468-3020
Paul Valley, KC8AMD ** 440-237-8116

Museum Ship W. G. Mather

Bob W8GC ** 216-524-1750
Lin WD8SDP ** 440-234-4227
Steve N8IS, Gary NI8Z

Membership

Steve Riley, N8IS **

NET

Gordon KC8IOU ** Gary NI8Z,
Tom WB8N, Steve N8IS,
Kayla KC8RYH

WO/Newsletter

Tom Wayne, WB8N ** 440-232-4193

Program director

Gary Dewey, NI8Z ** 216-642-1399

CARS QSL manager

Tom Wayne, WB8N ** 440-232-4193

Refreshments & 50/50 at meetings

Ron Borkey, K8VJG ** 440-237-6718

Sunshine (welfare)

Aaron Clark, KC8INE ** 440-526-9705

Technical

Roy Hadden, KB8VJF ** 330-468-3020
Vince Bak, N8OVW ** 216-635-2579

VE exams and Ham License classes

Gary Dewey, NI8Z ** 216-642-1399

Web Master/e-mail

Greg Kopp, KG8O ** 216-577-1388
Marc Rubin, KB8QHJ 440-717-0846
** chairman or co-chairman

Board Members

Even year executive board;

Bill Koenig, AA8WJ 216-441-5978
Ron Borkey K8VJG 440-237-6718

Odd year executive board;

Gordon Kolus, KC8IOU 330-225-6917
Terry Pillatt, KB8DTC 330-273-1043

K8ZFR License Trustee

Tom Wayne, WB8N 440-232-4193

NO8A License Trustee

Bob Check, W8GC 216-524-1750

2002 Officers

PRESIDENT:

Bob Check - W8GC 216-524-1750
President@cars.org

VICE-PRESIDENT:

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

SECRETARY:

Steve Riley - N8IS 216-328-9276
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