



CUYAHOGA AMATEUR RADIO SOCIETY

The Wobbly Oscillator



July 2003

Volume XXXII

Issue VII

FROM the PREZ

Both the weather and attendance were great for our 1st outdoor meeting in June of 2003.

Kayla collected \$68.00 for the 50/50 drawing this month, Larry KC8VZZ was the winner of \$34.00. We also had a drawing for 3 Yaesu hats. Toby provided his usual supply of donuts, coffee & pop for refreshments.

I am very pleased to welcome Skip Cook KC8WBF as the newest member of CARS. You will find the details elsewhere in this issue, but CARS provided communications and more for this years Diabetes Association cycling event "Tour-de-Cure" on Sunday June 22, 2003. It was a grueling and busy 7 hours and I want to thank all 13 members who attended.

Field Day 2003 for CARS found us in the 8A category, and an eventful time was had by all! See Tom WB8N's wrap up in this issue and several pictures at www.cars.org. Also, join us for Field Day 2004 plans and discussion at our July 16 meeting, before we forget what worked well and what needs some improvement.

We were all happy to have Bob W2THU and Jeff N8YNR give a talk on IRLP and point out the difference between IRLP and ECHOLINK, the two services used by Ham radio to access repeaters and Hams all over the world via the radio and the internet.. You missed a very informative talk if you didn't make the meeting. Thanks to you Bob and Jeff for your time and sharing your expertise in his area.

On June 25th NI8Z, N8IS, K8VJG & myself attended the Independence seniors luncheon and gave a talk on Ham Radio. We passed out brochures to the 75 members of their group. Pix are on our web site. Gary NI8Z did most of the talking and was a big hit with the group! Thanks to all.

Please mark your calenders to attend our August 20, 2003 meeting as we will have a very special guest, Jim Weaver, K8JE, ARRL Director, Great Lakes Division. Get your ARRL questions & suggestions ready for Jim.

That's it for another month, hope to see you at our next outdoor meeting on July 16, 2003.
de, Bob W8GC

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FROM THE EDITOR

Let's keep those articles coming in folks. We have a couple of great contributions again this month but c'mon, we need some more of you to get in on the thrill of having your article published in the award winning Wobbly Ocsillator! Get writing! Ready? Get set, go!

**MINUTES of the MEETING
JUNE 18, 2003**

The June meeting , which was held at the Oak Grove Picnic Area of the Metro Parks in Brecksville, Ohio, was opened at 7:40 PM by our president, Bob Check W8GC.

Ev, WA8EYF, made a motion and seconded by Bill, WA8GEO, to accept the May, 2003 minutes. A vote was taken and passed.

Mike, KB8UGT gave the Treasurers report. Bob thanked Gordon, W8GTK for a job well done on the Dayton Bus Trip .

The antenna on the SS Mather was broken down and is out for repair. It should be back in the next few days per Bob W8GC. The plaque to be presented to the W.G. Mather Museum ship was displayed and passed around to be viewed by the members present

Gordon, W8GTK reported on the Wednesday night net. If you can help as net control contact Gordon, W8GTK.

Toby, KC8TID, informed the membership on the Light House activities.

Comments on the CARS Website was given by Bob, W8GC. Bob also informed us on the upcoming Extra Class school. Orientation day is August 27, 2003 and classes run every Wednesday at 6:30 PM thru October 8. Eight people have already signed up.

A report from the technical committee was given by Roy, KB8VJF.

Melvin "Skip" Cook, KC8WBF was voted in as the newest member of CARS.

Tom, WB8N requests that articles for the Wobbly Oscillator are needed, and also informs us that the club will operate 8A for this year's Field Day.

Steve, N8IS passed out Field Day T-shirts and reminded all who want a CARS jacket to contact him ASAP. Samples of the jackets will be at the next meeting. They will be embroidered, not silk screened.

This year's Club Christmas Party will be held on Friday December 19, 2003 at the Independence civic center per the chairman Gary, NI8Z.

Any members needing ID Badges were told to see Steve, N8IS for pictures after the meeting.

Toby, KC8TID reported on the refreshments for

Field Day and a discussion followed.

Larry, KC8VZZ won the 50/ 50 raffle. His share was \$34.00. Three hats were also given away. Ev, WA8EYF, Larry, KC8VZZ, and Bob, K8AAB were the happy winners.

A motion to close the meeting was made by Ev, WA8EYF, and seconded by Bill, WA8GEO. A vote was taken and passed. Bob, W8GC, closed the meeting.

Following the meeting a program on IRLP was presented by Bob Winston, W2THU and Jeff Garvas, N8YNR.

Respectfully submitted by Secretary:
Ron, K8VJG

JULY BIRTHDAYS

KC8INE Aaron Clark 7-2
K8KR George Pindroh 7-5
N8TCP Roger Boehnlein 7-9
K8MPL Philip Ricca Jr 7-14
KB8PYB Robert Wick 7-14
K8CMI Jerry Steele 7-15
KC8LEO Scott Dressler 7-24
KB8LWM Paul Naujoks 7-24
W8MCD Len Holmes 7-24
WA8GEO Bill Savage 7-27
W2THU Robert Winston 7-28

Many happy returns fellas!

FOR SALE

Cars has purchased a new generator for use in emergency communications, and is offering the old one up for bid. Bidding starts at \$200.00. The generator is in good basic condition. It needs a muffler and a tuneup...a total of about \$25.00 in parts. Bids will be taken up to and including meeting night, July 16th. Contact Bob Check by e-mail.

SILENT KEY

It is with great sadness that we report the passing of N8SM (ex WD8IXE), Steve Miller. Miller of Prosper, Texas fell from his tower on Sunday June 15th. He was a member of the Ten-Ten International Club and the Northern Texas Contest Club. Our condolences to the Miller family during this difficult time.

RESULTS OF KL7 SKED

By Bob Winston, W2THU

Fellow hams, as you may or may not know, I was the guest of Jim Movius, KL7JM in Fairbanks on a recent Saturday evening. He has a super ham radio shack and antenna farm! I was completely overwhelmed by his station and antennas and I cannot remember everything I saw. But, for starters, there were two towers, 5 sections each, which could have been 50 or 60 feet (16-20 meters) tall. I had the choice of a 5 element 20 meter beam on one tower and the TH-11 on the other, with 3 active elements on 20m. Jim pointed one beam towards the east coast of the "lower 48" and the other at SM4, so I could just switch back and forth.

The rig was an FT-1000 (of course!) with a linear. The results were as follows:
Starting at 0250 zulu on Sunday, 22 June 2003:
Worked WA2YMR on 14.305MHz. Jerry was 3/3 and that was generous because I really couldn't copy a complete sentence. Worked W8GC, a friend from Cleveland. (*Editor's note...of course you immediately recognize the call as belonging to our President, Bob Check!*) Bob was booming in at 5/9 ++ and he gave me the same signal report. I didn't hear KA1FSB or SM4OY, so I QSY'ed to 18MHz and called Lasse on CW (quite a feat for me since I use CW about once a year). This created a pileup and I worked OK1 in Prague. I called Lasse a few more times on 14.305, but heard nothing from that far north in Europe. I closed down about 0430.

Tnx to all for listening for me and I will QSL. The Midnight Sun was awesome and satisfied a longtime dream of mine.

Tnx agn to Jim for letting me use his wonderful station and to Linda, president of the Arctic Amateur Radio club for following up with my

initial request to meet a KL7 ham.
73, Bob W2THU

NEW 60 METER BAND

The new five channel 60 meter amateur allocation become available to amateur operators in the U.S. at Midnight local time on July 3. The new band will be available on a secondary allocation, with the government as the primary user.

This is a unique band, with operation limited to five specific channels, on which hams may operate only upper sideband with a maximum bandwidth of 2.8 kHz and a maximum effective radiated power of 50 watts.

In order to operate on the assigned center frequencies of 5332, 5348, 5368, 5373, and 5405 kHz, hams should tune their radios in USB mode to the following readings: 5330.5, 5346.5, 5366.5, 5371.5, and 5403.5 kHz in order to compensate for the single sideband offset center frequency.

Hams have a mandate not to have any of their signal occupy spectrum outside the assigned 2.8 KHz channels. It is not the same as occupying a full band and watching only the edges. If in doubt about the capabilities or performance of your transmitting equipment within these guidelines, the wise choice is to have a proof of performance conducted before using these frequencies..The guidelines are perfectly clear and if they are followed, this can provide much operating pleasure and excitement for amateur operators. One final note, these frequencies are restricted to general class and higher licensees.

HAMVENTION NEWS

It has been reported that a two year contract has been signed with the Hara Arena, which means that the Hamvention will be at the same location. Dates are May 14, 15, & 16, 2004, and May 20, 21, & 22, 2005.

**INTERVIEW By The V.P.
By Steve Riley, N8IS**

I hope you all had a great time at Field Day. This month's interview is with George Pindroh K8KR. George is always willing to help fellow hams - whether it's antenna work or teaching a CW Class. He's a great guy and I'm hoping you all enjoy getting to know him better.

Steve: How did you become interested in Amateur Radio, what got you started ?

George: I used to listen with a huge floor model short wave radio. I was a shortwave listener for about 3 years. I lived about 2 streets from Bob Check (at that time W8HBI, currently W8GC) and I used to listen to him in the late 50's when he was a big DX gun. I decided to get a novice license in 1958 and went on the air with an army surplus BC-457 transmitter and a Heathkit Q-Multiplier used as a BFO for my Philco floor model short wave radio.

Steve: How long have you been licensed and what class license do you currently have ?

George: I was licensed in 1958 as a novice with the call KN8KRN. Then K8KRN until 1979 when I became K8KR. Twice in my amateur years I have dropped an "N" from my call.

Steve: What do you like about Amateur Radio?

George: I still find radio amazing ! One can meet and chat with the world's people. Ham radio has always had the "cream of the crop" of societie's people.

Steve: What are your favorite bands to work?

George: 10 meters SSB around 28500 khz + 20 meters SSB and CW, 30 meters CW. I love to rag chew with anyone or to chase DX when the bands are open.

Steve: Do you collect QSL Cards, If so, how many confirmed countries do you have ?

George: I have collected thousands of QSL cards from everywhere. I currently have 331 countries confirmed of the current list of 335. I need just 4 more countries and I will have worked them all !

Steve: What types of Awards or Recognition have you won or been awarded with ?

George: I have both DXCC Mixed and DXCC CW. I own a DXCC Honor Roll plaque. I am a proud member of the A-1 Operator's Club

Steve: What other hobby's do you have besides Ham Radio?

George: I collect stamps. I own about 950 musical CD's. I also sometimes burn my own CD's. I am a State Sectional Director for MUFON whereby I investigate and write-up UFO sighting cases for MUFON's scientists and technical colleges.

Steve: What would your dream station be / consist of and where would it be?

George: Actually the FT990 is the finest radio I have ever owned. It has every feature which I have ever desired. I wouldn't mind having a 4 element Fluid Motion Yagi on a 90 ft tower with the ability to crank it up and down and tilt over capabilities.

Steve: What type of work do you do? Or if retired, what did you do?

George: I retired in 1997 with about 37 years of government service: 32 years as a research electrician and with 4 years in the US Air Force where I fixed Aircraft Radio / Radar Systems.

Well George...I'm excited for you to get those last four countries !!!

Hope you all enjoyed getting to know George K8KR better.

HAMFESTS FOR JULY

July 12 - Bowling Green, Ohio - Wood County Amateur Radio Club, at the Woodland Mall 1234 North Main St. 8 A.M. to 2 P.M.

July 19 - Wellington Ohio - NOARSFEST by the Northern Ohio Amateur Radio Service, at the Lorain County Fairgrounds on State Rt. 18, just west of State Rt. 57.

July 26 - Cincinnati, Ohio - OH-KY-IN Amateur Radio Club, at the Diamond Oaks Career Development Campus, 6375 Harrison Ave.

July 27 - Randolph, Ohio - Portage Amateur Radio Club, at the Portage County Fairgrounds, on State Rt. 44, north of the SR 44 and U.S. Rt. 224 intersection.

**YOU JUST NEVER KNOW
(Or The Birds are Back!)
By Mike Cegelski, K8EHP**

The XYL and I traveled to Slovenia last October. While we were gone my next door neighbor kept an eye on our property. One day he came out of his back door and glanced upward at my tower/aluminum farm (probably wondering just how long it will be before that nut's creation comes down on his house in the middle of the night) and noticed a plethora of birds all over it. Being a nature photographer as a hobby, he went back inside, grabbed his camera and shot the picture shown here which was also published in the July, 2003 QST, page 20 upper left. QST failed to give credit for the pix: my neighbors name is Ron Filkill.



2 0 0 3 PEDAL TO THE POINT

The Buckeye Chapter of the National MS Society has scheduled the annual Pedal To The Point for August 16th and 17th (Saturday/Sunday) this year!

I need approximately 25-35 volunteers for this event who have a mobile radio or amplified HT radios on two-meters (UHF a plus). Those of you who volunteer will be assigned to various locations along the 100 mile route on day one and 75 mile route on day two. I need so many volunteers for this event that I will accept ANY time commitment you wish to make.

If you contribute a minimum of eight hours to this event you will be eligible for discounted tickets for Cedar Point! All volunteers get really nice t-shirts, food all along the route or at rest stops, dinner at the finishes, and flying pancakes if you

show up early Sunday morning. (They literally throw them in the air and you get to eat what you catch). Camping available in Sandusky, or bring a sleeping bag for the Gym floor.

This event is A LOT of fun and GREAT radio experience. Unlike most events, p2p is strongly focused on the medical safety of every rider, and most logistical event traffic is handled off the air. Hams with first aid experience or certifications are encouraged to point out their skills when you volunteer. Please share this information with everyone you know since we need NUMEROUS volunteers. Volunteer by emailing me at jeff@mspedal.org or leave a message at (216) 552-4368. See <http://www.neopsv.org> for updates and other events. Thankyou., Jeff Garvas N8YNR

**ARRL BECOMES AN AFFILIATE
PROGRAM OF CITIZEN CORPS**

ARRL now is an official affiliate program of Citizen Corps, an initiative within the Department of Homeland Security to enhance public preparedness and safety. ARRL President Jim Haynie, W5JBP, signed a formal Statement of Affiliation between DHS and ARRL during the ARRL 2003 National Convention June 21 in Dallas, Texas.

Chief Operating Officer of the Emergency Preparedness and Response Directorate (FEMA) Ron Castleman represented DHS at the signing. Citizen Corps Liaison to the White House Liz DiGregorio called hamradio operators the "first of the first responders." "You are there. You are part of that very, very first response when it happens locally," especially in the initial stages of an emergency or disaster, DiGregorio told the overflow audience at the signing ceremony. She urged amateurs to explore ways to expand their role in the community beyond being the last resort when other communication systems fail. "You need to show your community that you're engaged," she said. "They need to know as a community that ARRL is there." Among other things, the

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affiliation statement calls on DHS and ARRL to raise public awareness of Amateur Radio as a safety resource. In addition, DHS and ARRL will cooperate in providing training and accreditation for Amateur Radio emergency communications and promote the formation of local Citizen Corps councils.

MOUNTAIN PEAK NAMED FOR CREW OF COLUMBIA

A Colorado mountain peak has been named Columbia Point, in honor of the seven astronauts who died in the break-up of the space shuttle Columbia upon its return, last February 1.

The peak is on Kit Carson Mountain, in the Sangre de Cristo Range, near Colorado Springs. It is close to the 14,081 foot Challenger Peak, which was named to honor the crew of the ill fated Challenger space shuttle, that exploded in 1986 and killed all seven crew members. The newly christened Columbia Point is also in the range of 14,000 feet. All seven of the Columbia's crew were licensed amateur radio operators.

OHIO SECTION NEWS

Submitted by Don Dziubakowski KC8NIX

JULY SECTION NEWS: For the second time in four years, Ohio is the scene of a major ARRL Convention. In conjunction with the Findlay Hamfest, the Great Lakes Division (Michigan-Ohio-Kentucky) Convention is Saturday, September 6 at the Findlay Inn downtown. Hamfest is the next day at the Hancock County Fairgrounds. Big features; ARRL president Jim Haynie, W5JBP, Dallas; FCC Detroit head Jim Bridgewater; Seminars on APRS, HSMM, PSK-31, ARDF, and Official Observers; Conference of Ham Radio Clubs and Assistant Directors meeting with Director Jim Weaver, K8JE. Beside the obvious social partying, there will be a Saturday night banquet and Wouff Hong. All in a small-town classic motif hotel setting. Plus the Convention ticket gets you in the Sunday Hamfest (attended by

3,000 annually). For all the latest information on the Convention go to <http://greatlakes.arrl.org> and make arrangements through Jeanie Dalton

JeanieDalton@COMPUSERVE.COM.

There is a toll free number for reserving rooms at Findlay Inn <1-800-825-1455>. Special room rates for this convention held until August 15.

With a Division Convention so close to our regularly scheduled Ohio Section Conference (usually the following week after the Findlay Hamfest), the 2003 Conference will be canceled. But it returns in 2004, on Saturday, September 11, 2004 at the Ohio EMA Headquarters in Columbus as always. For 2003, the Ohio Section will hold a forum at the Findlay Hamfest where group reports and awards - the Severson and Newsletter Contest winners will be announced.

Two clubs recently renewed their Special Service Club status - Cuyahoga ARS (near Cleveland) (*editor's note: thats us folks*) and Alliance ARC (Columbiana County).

AUGUST MEETING ANNOUNCEMENT

Jim Weaver, K8JE, ARRL Director, Great Lakes Division will be a guest at our August 20, 2003 meeting. Get your ARRL questions & suggestions ready for Jim.

The Wobbly Oscillator is a monthly publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264 Independence, OH 44131-0264. Articles may be reprinted in any Amateur Radio Publication provided credit is given to this news letter and the author, if known. All Submissions should be e-mailed in .doc, .wpd., or .txt format to: newsletter@cars.org by the end of the month for publication in the next months publication. Get yourself in print...do it now!

THE RANDOM WIRE

By Tom Wayne, WB8N

Tour de Cure

Although we have helped out the Cleveland Chapter of the American Diabetes Assn. several times in the past, by providing communications for their walks, this was the first year we participated in their bicycle ride, called the Tour de Cure. This event took place on Sunday June 22nd, and began at the North Royalton High School.

The weather could not have been better! We set up along the route and had a net control at the high school. We also supplied four Safety and Gear (SAG) wagons as well. We had a total of 13 participants from CARS. You can read more about this event and view some photos, on the CARS web site. (www.cars.org) I really want to thank all those that came out: Pres. Bob Check W8GC, V.P. Steve Riley N8IS, Secy. Ron Borkey K8VJG, Treas. Mike Balach KB8UGT, Tina Check W8HBI, Kayla Check KC8RYH, Ev Chitester W8EYF, Dave Dressler KD8V, Gary Dewey NI8Z, Rich Engram KA8EEW, Mike Cegelski K8EHP, and Jim Glor N8GXR who came down from Buffalo N.Y. just to take part in this event. Thanks to all!

The next Diabetes event will be their annual walk, through downtown Cleveland. It will take place Oct. 4th this year and we will be needing volunteers for that so keep it on your calendar.

FIELD DAY 2003

Field Day 2003 started off well enough, with our beginning to set up on Friday evening, June 27th. Things then took a turn for the worse. First of all, as I was attempting to set up a telescoping mast with the assistance of Ev W8EYF, I twisted by right knee the wrong way (no pun intended Ron) and popped my artificial hip out of joint. All I could do was to fall to the ground. Poor Ev didn't know what the heck to do but call for help. Steve N8IS called 911 for the Broadview Heights Rescue Squad and they loaded me into the squad and hauled me off to Marymount Hospital, where they filled me with pain killers and finally (about 2 A.M) popped my hip back into place. I didn't get out of the hospital until 10 A.M. Saturday. My wife Lisa did not want me to go back to the Field Day site, but I convinced her I had to, because my van was there, my tent was set up

there, we had all the food there and I was the only one who knew what the menu for the two days was, and a couple of more reasons. I promised her I would wear the brace I was ordered by the doctor to wear, and us my cane (geeze, I felt like an old geezer cripple) and that I would take it easy. She finally relented and after loading up some more gear to take out to the site, she drove me out to the site.



The guys: Steve, Gary & Ev, watching me get loaded into the squad.

Now, as I lay there on the cot in the emergency room at Marymount Hospital, another scenario was taking place. Gary NI8Z was attempting to shoot a line over a tree limb, using a small crossbow. Well the line came undone from the arrow and the arrow fell, we know not where. This was Gary's only arrow, so while some of the others proceeded to look for the arrow, Gary decided to employ his trusty wrist rocket (sling shot for the uninitiated). He shot a small fishing sinker attached to a line into the tree but instead of coming down on the other side of the limb, it got snagged. He tried to pull the line, perhaps to break it, and try again, when suddenly the line came un-snagged and the sinker came shooting back toward Gary! He didn't even have time to duck. The sinker struck him in the forehead just above his right eye and he fall to the ground, bleeding like a stuck pig. The fellows came running to his assistance and applied compresses to his wound to stop the bleeding and off he went, with Ev driving him, to the Marymount Urgent

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Care Facility on Rt. 82. It required 2 stitches inside the wound and 11 stitches to close the wound! Gary came back to the site but went home for the night. He was there the next morning however, rare in to go! Of course I knew nothing of this until Ev stopped in at the emergency room on his way home to see how I was doing, and he related Gary's experience to me. Man, what could happen next, one of us electrocute ourselves?

Well the rest of CARS Field Day was relatively uneventful. We ran 8A, which means 8 separate radio stations, using voice, morse code, psk-31, and radio teletype modes. Since our Field Day took place in Broadview Heights, the Mayor, Leo Bender was invited to pay us a visit, which he did on Sunday. Among other guests, we also were paid a visit by Debbie Chitester who works as a Disaster Specialist for the American Red Cross. These two visits alone earned us an extra 100 points each toward our final score, which has yet to be tallied. I think all in all, we had a great time. We had to share the pavilion facility with an Al Koran steak roast on Saturday evening, but we co-existed well, and even had some of them inquire as to the nature of our operation. There were at least 2 hams in the group as well, one of which gave us a contact on 2 meters.

We had some great grub ourselves! We had beer brats, & beans with water melon for lunch Saturday and that evening had some great Sloppy Joes, salad, & more beans. Ev whipped up some great tasting meat balls and sauce for snacks. We enjoyed a breakfast of scrambled eggs, sausages, home fries, strudle & orange juice. Of course there was coffee brewing the whole time and Toby KC8TID made sure there were plenty of ice cold soft drinks for all the participants. Kayla KC8RYH provided chocolate chip cookies which she had baked. For lunch we had cheese burgers, chips, and whatever else was left to eat. Oh yeah, the Shriners had corn on the cob left over from their steak roast so we had that Sat. night as well. I want to thank Betty Nite for the great Sloppy Joe's and also for the baked beans.

We finally shut down around 2 P.M., the official shut down time, and began packing everything up to tote home. Here are some F.D. 2003 photos. You can find more on the CARS web site.



The main CARS F.D. 2003 crew



Steve N8IS, Carl K8AV,
Marc KB8QHJ & Tina W8HBI



Bob W8GC & Gary NI8Z work
on Gary's antenna. (before he shot
himself)

That about does it for this month folks. See ya at the meeting July 18, at the Oak Grove Picnic area in the Brecksville branch of the Metro Parks. 73, de Tom, WB8N

CARS 2003 Committees

American Red Cross Disaster liaison

Everett WA8EYF ** 216-581-3657

ARRL Liaison & media representative

Don KC8NIX** Carol KC8TIE**216-524-4910

CBARC Liaison

Dwaine K8ME 440-582-3462

Community Education & School Program

Dave KD8V ** 330-666-8721

Steve N8IS ** 216-328-0432 , Ron K8VJG

Dayton Bus

Gordon W8GTK ** 330-225-6917, Bob W8GC

Elmer

George K8KR ** 216-941-5304

Field Day

Tom WB8N ** 440-232-4193, Aaron KC8INE

Bob W8GC, Steve N8IS, Gary NI8Z

Ham License classes

Bob W8GC** Gary, NI8Z ** Tom WB8N,
Steve N8IS, Don KC8NIX, Ron K8VJG,
Bruce N8DJX, George K8KR, Dave K8DAV

Independence Home Day

Steve N8IS** Kayla KC8RYH, Bob W8GC,

Interference & Jamming

W8GC**, NI8Z, N8IS, N8TCP, WB8N

JOTA

Steve, N8IS

Lighthouse events

Toby KC8TID ** 440-572-1544, Bob W8GC

Museum Ship W. G. Mather, W8WGM

Bob W8GC ** Lin WD8SDP ** Steve N8IS, Gary
NI8Z, Bob W2THU, Mike K8EHP,

Dennis AB8NI, Mike KB8UGT, Bruce N8DJX,
Toby KC8TID, Ron K8VJG

Membership

Ron K8VJG ** Bob W8GC

NET

Gordon W8GTK **

Ohio Bi-Centennial year

N8TCP**, W8IXY

WO/Newsletter

Tom WB8N ** 440-232-4193

Program director

Gary NI8Z, ** 216-642-1399

QSL manager-NO8A & K8ZFR

Tom WB8N ** 440-232-4193

Refreshments & 50/50

Toby KC8TID ** 440-572-1544

50/50 Kayla KC8RYH

Sunshine (welfare)

Dave KD8V ** 330-666-8721

Technical

Roy KB8VJF ** Bob W8GC ** Terry KB8DTC
Vince N8OVW, Dave K8DAV, Tom WB8N

VE exams

Gary NI8Z ** 216-642-1399

Web Master/e-mail

Dave K8DAV ** 440-243-3593, Bob W8GC **
** chairman or co-chairman

