



The Cuyahoga Amateur Radio Society

THE WOBBLY OSCILLATOR

News

Activites

Articles

Minutes

April, 2003

Vol: XXXII

Issue: IV

From the Prez

We were still missing several regulars at the March meeting as they were teaching the CW class now on meeting night, but Toby KC8TID had a good supply of donuts, hot coffee and cold pop for refreshments. Terry KB8DTC collected \$42.00 for the 50/50 drawing month, and Bob, W8GC, was the winner.

I am happy to welcome Tony Hackenberg, WA8SSQ as the newest member of CARS. We have 2 new applications to vote on at our next meeting.

It was nice to have one of our members, Dwaine, K8ME give a talk and show a video on his 1992 Expedition to the Caribbean island of Anguilla. It was very entertaining and informative. Thanks Dwaine. Mark your calenders as another CARS member, Bob Winston W2THU, will give a talk on VHF, UHF communications via IRLP & ECHO Link at our May 21, 2003 meeting.

Dave K8DAV reported on the results of the "10 meter net survey" at the February meeting, I asked for help in organizing and running the proposed 10-meter net but no one has come forward? What happened to the 13 members who said they would support a 10-meter net? Maybe you figured somebody else would step up and do it. Not so far. Please call or e-mail me to get this going. You can reach me at 216-524-1750 or bob@2cls.com.

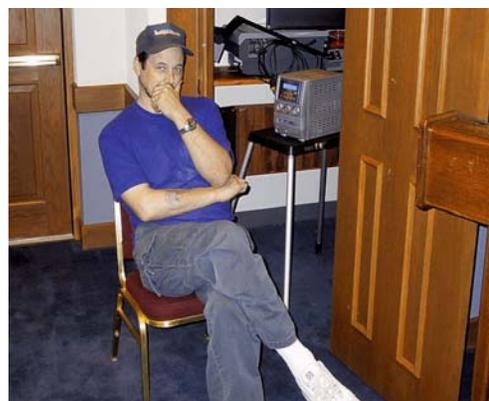
Both the CARS Technician and General classes are completed. We had 7 in the Technician class and ALL passed their VE test! We also had 7 in the General class. Only 5 were available to take the exam and all 5 passed! We now have 13 attending our CW code class which started March 19, 2003. CARS will be putting on one more General class beginning April 30, 2003--**SIGN UP NOW**. Just go to our Web site: www.cars.org, click on "General classes" on the home page and fill out the registration form or call me at 216-524-1750. Interested in the Extra exam class? Follow the link on the home page at www.cars.org.

That's it for this month. Hope to see you at our next meeting on March 19, 2003.

de, Bob W8GC



Gary, NI8Z supervising the CW class



Steve N8IS on audio at the CW class

Minutes of the Meeting of 19, March 2003

The meeting, which was held at the Busch Funeral Home Community Center, was called to order by President, Bob Check, W8GC.

A motion to accept the minutes of February 2003 meeting was made by Bill, WA8GEO, and seconded by Lin, WD8STP. A vote was taken and passed.

The treasurer Mike, KB8UGT, gave his report.

Bob, W8GC, discussed the CARS CW, Technician, and General classes being held in Independence. He also thanked all who have taken nights or showed up to help with classes. A report on the VE session was also given by Bob, W8GC.

Bill, WA8GEO, related to us on the death of his mother. Our sympathies go out to Bill.

A report on the Wednesday night net was given by Gordon, W8GTK, and also on the Bus Trip to the Dayton Hamfest.

Toby, KC8TID, informed us on upcoming Lighthouse Activity.

A report on the Web Site was given by Dave, K8DAV. Check out the site often as there are changes regularly.

Tom, WB8N, explained problems with the 82 repeater and related work to be done.

Tony Hackenberg, WA8SSQ, has applied for membership as reported by Bob, W8GC. A motion to have Tony, to be voted a member of CARS was made by Terry, KB8DTC, and seconded by Dave, K8DAV. A vote was taken and passed. Congrats to Tony. Great to have you with us!

Tom, WB8N, reported on an interference problem in the Ohio City area and how the crack clandestine CARS Interference Investigation Team solved the puzzle!

A class on Emergency Communications can be obtained at the ARRL Website. The cost is \$45.00 and is refundable, as reported to us by Bob, W8GC.

The 50/50 raffle was won by Bob, W8GC. His share was \$21.00. Don't spend it all at once Bob!

A motion to close the meeting was made by Ev, WA8EYF, and seconded by Mike, K8EHP. A vote was taken and passed.

Bob, W8GC, closed the meeting at 8:11PM.

Following the meeting was a video on a Dx-pedition to the Caribbean given by Dwaine, K8ME.

Respectfully submitted by Ron, K8VJG, Secretary.

DAYTON BUS TRIP

It's that time of year again for the Cuyahoga Amateur Radio Society to start taking reservations for the bus trip to the Dayton Hamvention! If you take a look at the CARS web page at www.cars.org you will find a link that will take you to the reservations page. Just fill in the required fields of the form on that page and it will be sent to me automatically. The cost of the bus trip will be the same as last year, \$30.00. We will depart from the Brecksville Road Transit Inc. located at 7885 Snowville Road in Brecksville, on the morning of May 17, 2003 at 2:30 a.m.. The bus is a 47-seater complete with comfortable seats and rest facility. Along the way down to Dayton we will stop at Denny's for breakfast then back on the bus and off to the Hamvention's front door. Our bus driver will stay with the bus all day so that you can return to it to take a rest or to stash all of your new radio gear. Then after a long day of walking and shopping we will leave the Hamvention, around 3:30 in the afternoon, after driving for a while we will stop for a bite to eat. Then its back on the bus for the rest of the ride home.

You will need to have your own ticket into the Hamvention, advanced tickets and other information can be found at www.hamvention.org. Tickets in advance are \$17.00.

Please remember, first paid gets the seat on the bus, so please call me at 330-225-6917 or just complete the reservation form to hold your seat on the bus. Then as soon as possible please send your money to:

CARS
P.O.Box 31264
Independence, Ohio 44131-0264
Make check payable to CARS and mail to:
CARS

If your name shows up in the list below then you have either reserved a seat on the bus or you have already paid!

Jerry Steele	Jay Cross-Paid
Dave Smith-Paid	Jeremy Brown-Paid
Dick Harley-Paid	Jason Boone

Jack Goldfarb-Paid	John Woika-Paid
Larry Shimerka-Paid	Paul Poling-Paid
Al Lada-Paid	Bill Savage
Terry Pillatt	John Sepper
Gordon Kolus-Paid	Lucas Vega
Richard Williams	Ed Meglic-Paid
Joe Gutoskey-Paid	Al Lada-Paid
Bill Krusinski-Paid	Terry Pillatt
Larry Shimerka-Paid	Rick Williams
Gordon Kolus-Paid	Richard Williams
Paul Tokar-Paid	
Anthony Whackenberg_paid	
Bernard Wawzyniak-Paid	

This list is as of 3/23/2003
 See you on the bus!
 Thank you,

Gordon Kolus W8GTK

The Wobbly Oscillator is a monthly publication of the Cuyahoga Amateur Radio Society, P.O. Box 31624, Independence, OH 44131-0264.

Articles may be reprinted in any Amateur Radio related publication, provided credit is given to this newsletter 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 month's publication.

Any similarity to persons living or dead is purely coincidental. By reading the contents of this box, you have committed yourself to sending in an article for publication in this newsletter! You have also promised to check into the CARS Wednesday Evening Net at least once in awhile, and to attend as many CARS meetings as you can!



RED CROSS VOLUNTEERS WANTED

We are looking for volunteers who will become committed to assisting the Cleveland Chapter of the American Red Cross in providing communications and support services right here in the Greater Cleveland area. This will require training and drills. Both myself, (Jim Crane, KB8SQF) and my wife (Judy Crane, KC8FHE) have been working for the last several years to support these activities.

I am happy to report that we have received a commitment from the local chapter to provide this training. Please understand that should a major emergency strike this area trained volunteers would be required. The Red Cross system requires that all volunteers understand, and function within the system. This is to protect not only you the volunteer, but also any clients we are assisting.

To reach this goal will require that you attend training sessions at the chapter headquarters, 3747 Euclid Ave, Cleveland, Ohio 44115. You will probably be required to attend several sessions. If you want to become a committed volunteer to assist in this activity please contact us at jjcrane@ameritech.net or (216 - 524 - 1537) – Thank You

MONTHLY TRIVIA QUESTION

A survey was done in 1998 of 1000 random licensed amateur operators, as to what was the dollar amount they add invested in radio equipment at that time. What was the reported average amount that they said they had invested in their radio equipment?

- A. \$8069.00
- B. \$1022.00
- C. \$4090.00
- D. \$6215.00

Answer found elsewhere in this issue.

VOLUNTEER EXAMINER NEWS

The March V E session held by CARS VE in-charge, Gary Dewey, NI8Z was extraordinary to say the least. As a result of the graduation of the Technician class students and the General class students, there was a better than normal turnout! Many times there are more VE's at the session than test takers, but this time that was certainly not the case. There were several people that did a "paper upgrade", which was just paper work needed to upgrade to the next class of license, but there were 15 (count em, 15) actual test takers, several of which were CARS members! All but one person passed the test(s) they took, including the 5 wpm cw test! Congratulations to all for a job well done!

The next V E session held by CARS will be on Sunday, May 4th at the Independence Olde Towne Hall on Brecksville Rd. Note that this is the 1st Sunday instead of the 2nd Sunday of the month. The date was changed so as not to interfere with Mother's Day. We couldn't have that now, could we?

So keep on (or start) studying for that next license class exam so you will be ready for the May V E session! See you there, and good luck!



VE Crew (minus Ron, K8VJG)

Top Roger N8TCP; Steve N8IS; Tom WB8N; Bob W8GC
Bottom Gary NI8Z; Dave K8DAV; George K8KR

ANSWER TO TRIVIA QUESTION

I knew you couldn't stand the suspense, so I put the answer on the very next page! So...here we go.

According to the survey of 1000 random licensed amateur operators in 1998, as to how much money they had invested in radio equipment at that time, the answer is...

Answer D...\$6215.00

Now, if you don't have that much invested in your radio gear, it doesn't mean you have to run out and buy more gear just to keep up! Likewise, if you have more moola invested, you don't have to sell any of your equipment to become "average". What the heck...the Dayton Hamvention is coming up and we have to support those vendors, don't we?

PAUL HARVEY SPEAKS UP FOR HAMS!

Veteran ABC Radio Networks commentator Paul Harvey this week offered some kind words for Amateur Radio. The mention was the second item on "page four" of his March 19 Paul Harvey Noon News and Comment program.

"America's quiet warriors are the legion of ham radio operators, 700,000 of them, who are always at ready for backup duty in emergencies--amateur, unpaid, uncelebrated, civilian radio operators, during and after floods and fires and tornadoes," Harvey said. "After the 9/11 attacks, hams were indispensable in reuniting friends and families. Most recently it was they who expedited the search for debris after the disaster to the space shuttle Columbia, and right now, at this moment, they are involved in homeland security to a greater degree than you would want me to make public."

The commentary's enigmatic and mysterious final sentence--typical of Harvey's habit of leaving his listeners hanging--apparently refers to the fact that many Amateur Radio Emergency Service (ARES) and Radio Amateur Emergency Service (RACES) teams have ramped up their alert status as hostilities got under way in the Middle East.

The entire Wednesday noon broadcast is available on Paul Harvey's Web site <http://www.paulharvey.com/>
(From the ARRL Bulletin)

FROM THE ARRL

Submitted by Don Dziubakowski, KC8NIX

The results of the 2002 Ohio QSO Party are now posted at www.mrrc.net/oqp. Check out the winners and check your score. And mark your calendars now for the 2003 Ohio QSO Party on Saturday, August 23. The Mad River ARC will be working to make the Bicentennial Year Ohio QSO Party a very special one.

Unless you have spent the last two years on the Planet Uranus, it is impossible to ignore the fact that right now the on-line emergency courses, now being taught in local classrooms, is the highlight of ham radio and ARRL. Want info on how you can participate? Visit the ARRL Certification and Continuing Education Web page www.arrl.org/cee, and the C-CE Links found there. Further information can be found on the Ohio Section News that is currently located on two Web Sites available to all Ohio ARRL members. Members can access the current Section News edition on the Ohio Section page at the following address of www.maser.org and/or at the Ohio Section site maintained by the ARRL at www.arrl.org/sections/OH.html. Scott Yonally, N8SY, Mansfield, Ohio Public Information Coordinator, maintains the two Section web sites for Ohio. Assistant Section manager John Haungs, W8STX, Cincinnati, compiles and reports the traffic net counts each month.

FCC Proposes to Hike Amateur Radio Vanity Call Sign Fee

The FCC proposed March 26 increasing the regulatory fee to apply for, renew or reinstate an Amateur Radio vanity call sign from \$14.50 to \$16.30 this fall. The Commission included the new fee in a Notice of Proposed rule making (NPRM) "Assessment and Collection of Regulatory Fees for Fiscal Year 2003" (MD 03-83), released today. The closing date for comments on the new fee schedule is April 25. Reply comments are due by May 5. "We estimate that 9800 applicants will apply for vanity call signs in FY2003," the FCC said in its NPRM. That's up by 800 from FY2002. It expects to collect revenues of nearly \$160,000, an increase of almost

\$30,000 from FY2002.

The FCC NPRM also seeks comments on its efforts to review, streamline and modernize its fee assessment and collection processes and procedures. "We welcome comments on a broad range of options in this regard," the FCC said. Areas of particular interest include suggestions for improvement in the agency's electronic payment system.

Interested parties may comment via the FCC's Electronic Comment Filing System (ECFS) on the web:

<http://www.fcc.gov/cgb/ecfs/>.

Enter "MD 03-83" in the "Proceeding" field. Electronic comments by e-mail also are welcome.

Hams in the Great Lakes Division (Michigan, Ohio, Kentucky) will hold a Division Convention next September, 6-7, 2003 in conjunction with the Findlay Ohio Hamfest, one of Ohio's largest ham radio events. Among the major speakers will be American Radio Relay League national president Jim Haynie, W5JBP, of Dallas, Texas.

Gary L. Johnston, KI4LA, (Past Division Director), will chair the Convention scheduled for Saturday, September 6th at the Findlay Inn. Hams will stay over Sunday, September 7th for the 61st Findlay Hamfest - one of the largest hamfests in Ohio. Mr. Johnston, of Edgewood, KY, was appointed chairman by Director elect Jim Weaver, K8JE, Mason, Ohio. Chairman Johnston has already been planning the event with local Findlay officials and Section Managers of all three Great Lakes Division States, Debbie Kirkbride, KA8YKK (Michigan), JoePhillips, K8QOE (Ohio), and John Meyers, NB4K (Kentucky). "Beside President Jim Haynie, a remarkably gifted speaker; we are organizing forums and ham radio recognition awards plus a main evening banquet to make this convention memorable, Gary said at the announcement, "the Findlay Inn hotel facility is first rate and those attending will find it a marvelous weekend ending with the Findlay Hamfest."

The location is ideal. With a Division
continued on next page....

spanning Interstate 75, from Michigan's upper peninsula to Kentucky's border with Tennessee, Findlay is nearly the exact center off the Interstate. Combining it with a popular hamfest will make that weekend a major event on the ham radio calendar for 2003.

Ticket prices, hotel reservations, forum events and other information will be announced soon.

NEW MEMBER APPLICATIONS

Larry Shimerka, KC8VZZ
Technician
965 Primrose Dr.
Seven Hills, Ohio 44131

Richard Engum, KA8EEW
Technician Plus
2797 Bancroft
Fairlawn, OH 44333

We will vote on these applicants at the April meeting.

Minutes of the Board Meeting March 9, 2003

The meeting, which was held at the Independence Town Hall, was called to order at 10:54 AM by Bob, W8GC.

A motion to accept the minutes of the January 12, 2003 meeting was made by Terry, KB8DTC, and seconded by Steve, N8IS. A vote was taken and passed.

The Treasurer Mike, KB8UGT, reported on the balance of our accounts.

Gary, N8IS, explained about Emergency Communications involving the Independence, Ohio area and was followed by a discussion. A discussion on the condition of the 146.820 mhz repeater and the site was opened by Gordon, W8GTK. A new location for the repeater, that is readily accessible, is needed.

Steve, N8IS, made a motion, seconded by

Terry, KB8DTC to move the equipment out of the Channel 55 site to a new location when it is available. A discussion followed and a vote was taken and passed.

A report was made by Steve, N8IS, on a booth for the Independence Home Days held on August 8-9, 2003. A discussion followed. A motion was made by Gary, NI8Z, and seconded by Tom, WB8N, to participate in the Independence Home Days event on August 8-9, 2003. A vote was taken and passed.

Gordon, W8GTK, reported on the Dayton Hamfest Bus Trip,

A motion to close the meeting was made by Gary, NI8Z, and seconded by Terry, KB8DTC, a vote was taken and passed.

Respectfully submitted by Ron Borkey
K8VJG, Secretary.

BIRTHDAY CORNER

March

WD8SDP Lin Shaw 3-1
K8EHP Michael Cegelski 3-2
WT8A Shirley Lovell 3-4
KB8FIH Richard Dombrowski 3-7
KB8VBR Leone Sirna 3-9
WD8OMK Raymond Severyn 3-11
N8UIY Virginia Braun 3-15
KA8KPB Blaine Coleman 3-18
KB8DTC Terry Pillatt 3-18
WA8LOB Nick Markovic 3-22
KB8QHJ Marc Rubin 3-25
N8DJX Bruce Bacik 3-31

April

KB8VJF Roy Hadden 4-3 **HAPPY**
KC8OJD Daniel Dressler 4-16 **B-DAY**
N8OVW Vince Bak 4-22
K8BLB Jim Iams 4-23
W8GC Bob Check 4-29

VICE PRESIDENT'S COLUMN

By Steve Riley, N8IS - V.P.

This month I thought we all needed to know more about our awesome webmaster. Dave Kushman K8DAV.

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

Dave: Actually I got started when I was probably 11 or 12. I was plugging a radio in under the kitchen table into an extension cord and my fingers slipped onto the prongs. I wanted to know what did that. Later I met a guy named Warren K8CTZ or W8CTZ, I can't remember but for a blind guy and extremely knowledgeable, he made a heck of an impression on me. He taught me to get my Novice license.

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

Dave: I've been licensed for about 42 years and have an Extra Class License.

Steve: What do you like about Amateur Radio ?

Dave: Mainly the people you meet. Haven't run into many I didn't like. But I do figure it's time to give back a little of what I got out of Amateur Radio.

Steve: What are your favorite bands to work ?

Dave: 10 and 15 mtrs mobile. I might throw something up for 20 at the house this year.

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

Dave: I do collect, sort of. I lost a large pile of them in a move many years ago so pretty much started over. If I get a card fine, if not fine. I do send either direct or bureau. I really haven't counted the countries.

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

Dave: Not many. Ozone Sniffers Award for Armed Forces Day 25 wpm code in 1963

while in U.S.C.G. Radio School. Academy of Television Arts & Sciences
Emmy 2001 for Technical Achievement. And of course, my EXTRA!

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

Dave: Guess that would be writing Visual Basic programs mainly for test equipment that uses RS232. Nice challenge.

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

Dave: I don't think I have a "dream station", but it would definitely be somewhere warm!

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

Dave: I do most of the RF work for WKYC-TV from it's transmitters on Channel 3, DTV channel 2 to various microwave tx/rx's. Microwave path planning, plus TVI troubleshooting for viewers and cable companies if needed.

Steve: And finally, how did you become such a great Web-Master for the CARS Club ?

Dave: "Great" is way overstated. More like "Eh". I just like a challenge and this is just one more.

Steve: Thanks Dave, for taking the time to answer our in-depth questions.

Next month we will find out a little bit about one of our Executive Board members.

73, de Steve, N8IS



THE RANDOM WIRE

By Tom Wayne, WB8N

TIME IS GETTING SHORT

Yes, before we know it the Dayton Hamvention will be upon us! I can hardly wait. Even though I have been there almost every year since I became a ham 17 years ago, I look forward to this event every time. It isn't that I am looking to for a great deal on a piece of amateur equipment or anything else, I just enjoy seeing all the new stuff the big boys like Yaesu, Kenwood, Icom, Ten Tec, and all the other manufacturers have to show us, checking out all the great deals offered, attending some of the seminars offered on a variety of amateur radio related subjects, and seeing all those hams walking around with their call signs on their hats...it is like a living call book! Then I visit the Northern Ohio DX Assn. hospitality room in the evenings and get to meet hams from other countries! It's GREAT!

The gang I go down with travels in a sort of convoy, and we stay in touch via 2 meters simplex. We go down on Thursday afternoon, get our rooms, hit the motel pool, and go out for diner at the Spaghetti House. It's early to bed that night and we hit the Hamvention first thing in the morning. Having spent the day at the Hamvention it's back to the motel, hit the pool and hot tub (it does wonders for the aching feet and leg muscles) and go out to dinner. By this time our little group has split up, with some going to the DX Banquet, and others of us going to different places for dinner. Then I hit the DX Assn.'s hospitality room where the elite meet and eat. They have beer, soft and hard drinks, and a variety of finger food to chew on, besides the comradery of meeting and talking with hams from all over the world. This routine is repeated Saturday. We stay for the duration, leaving for home around noon on Sunday, while some of our gang stay for the final prize drawing at 1:00 P.M. Upon checking out of our motel, we make reservations for the next year!

Of course, not all us are able to go for the entire three days, and that is where the CARS Bus to Dayton comes in handy. If you have never been to the Dayton Hamvention, this is one way to go! It is an inexpensive, comfortable way to get down there and experience one of the unique ham radio activities known to man kind! Even if you have been down to Dayton before, you know you really want to go again, and if you are rushed for time, the bus trip is the way to go! The Dayton

Hamvention is an experience you will never forget and you should do it at least once in your lifetime! But make your plans now...as I said, time is getting short!

STRANGE HAPPENINGS

I wonder how many of you noticed the strange goings on of late in the South Eastern skies between the early hours of between approximately 3:00 A.M. and 4:30 A.M.?

I happened upon this strange phenomenon one morning while letting the dog out to do what dogs have to do early in the morning. I ventured out into the brisk spring morn (it was still night to me) and while waiting for ole Corky to do what he had to do and check out the back yard odors, I chanced to gaze up toward my antenna tower (no I still have not got the antenna rotor secured yet!) and low and behold, I observed some thing I had never witnessed before or since!

Directly above the antenna, I saw brilliant flashes of light dancing about, at what I estimated to be some 40 or 50 feet above the antenna which is 50 feet to the tip. I gazed transfixed at these flashes of light for what seemed to be forever, but what I later determined was only a few minutes before I came to a realization of what it was I was looking at.

After watching these lights for a bit it came to me that there was a familiarity about them...there was a pattern...this was something I had seen before, but I could not for the life of me put it all together. Where had I seen this strange pattern of lights before? Was it in a dream? Did it have something to do with anything I had witnessed while on the fire department? Was it a flash from the past from my Navy days?

Aha! That was it. It looked like the flashing lights from the signal bridge on a Navy ship, sending messages back and forth from one ship to another! By golly...it was Morse Code! What were the lights saying? I stood there trying to read the light-code with my neck strained back and Corky whining to go back in the house. Then it hit me! The lights were spelling out **APRIL FOOL!**

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)

Aaron KC8INE ** 440-526-9705

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

