

The Wobbly Oscillator Cuyahoga Amateur Radio Society

NO8A Special Event Call K8ZFR Cleveland Area Repeaters 146.82 - 443.825 - 444.75



APRIL 2011

VOLUME 40

ISSUE 4

FCC PLANING ON TAKING AWAY THE TEN METER BAND ? DETAILS INSIDE

FROM THE PREZ

I am very disappointed in my performance as the president of this great radio club, and I would expect that many members feel the same. Membership is down. Meeting attendance is down. Participation in the weekly nets is down. Since I lead the club, I feel responsible. I am very thankful for the members that keep certain functions alive and well. The VE program, the Diabetes walk, the licensing classes, the school club, the Christmas party, the scholarship program, the website, the repeater, the bus trips, the summer picnic and this fine newsletter are all examples of activities that thrive as a result of dedicated members. I cannot thank these people enough. The fact is I love C.A.R.S. I have a very stressful and demanding job. The time spent with fellow club members, either in person or on the air, is one of the pursuits I cherish most in life. So please, if you have any thoughts that will improve the club and make it desirable for you to attend or participate in events, let me know by any form of conventional communication or tie a note to a rock and throw it through my front window.

Speaking of the scholarship program, any C.A.R.S. member or member of their family is eligible for one of the two \$500 scholarships that will be awarded at the annual summer picnic. Any continuing education program will be considered for the awards. The form and

submission instructions are on the C.A.R.S. website (www.2cars.org). It is also time for procuring raffle tickets for purchase or sale that will support the funding. Please get all applications in by the May 31 deadline.

73, Toby, WT8O

Contents:

<i>From the PREZ.....</i>	<i>pg 1</i>
<i>Meeting Minutes.....</i>	<i>pg 2</i>
<i>U.S.S. Yorktown Back on Air.....</i>	<i>pg 2</i>
<i>Dayton Bus Trip Urgency.....</i>	<i>pg 2</i>
<i>FCC Taking Away 10 Meter Band.? Pg</i>	<i>3</i>
<i>Race for the Cure.....Pg</i>	<i>3</i>
<i>How to Achieve Great Audio.....pg</i>	<i>4</i>
<i>Results of March Survey.....pg</i>	<i>4</i>
<i>You Might be a Ham If ???.....pg</i>	<i>4</i>
<i>Ken's Junk Box.....pg</i>	<i>5</i>
<i>April Birthdays.....pg</i>	<i>7</i>
<i>N8LRS & "Rare DX Plate.....pg</i>	<i>7</i>
<i>The Random Wire.....pg</i>	<i>7</i>
<i>C.A.R.S. to Charge for W.O.pg</i>	<i>8</i>

***NEXT MEETING TUESDAY, APRIL 12th
AT TGI FRIDAY'S***

MARCH MEETING MINUTES

The C.A.R.S. February monthly meeting was called to order at 8:45 p.m. by President Toby Kolman, WT8O on the 8th of the month. The meeting was held at TGI Friday's in Brooklyn, Ohio and followed a presentation by Dennis Conldin, AI8P on antenna modeling, which was very interesting and well received by the members present.

Twenty three members and four guests introduced themselves to begin the meeting. Bob Check, W8GC motioned to accept the February minutes as published in the March Wobbly Oscillator, and Mike, K8EHP seconded. There were no additions, or questions and the motion passed

Bob, W8GC then gave the treasury report and stated that the treasury was about same as last month and he then talked about the Technician, General, and Extra classes that C.A.R.S. is holding, saying that the classes are going well. Bob also reminded us that the 2011 dues are due and that if you have not paid, you are no longer a member and can not vote. Bob also mentioned the scholarship raffle. Bob mentioned Dave is doing good after his surgery. If Echolink is down email or call Bob, W8GC right away.

Gary NI8Z is having a VE test session Sunday March 13th. Gary sent three "sunshine" cards out, one to Ray Ponzio WD8IRA, Bruce Bacik N8DJX, and to Betty Check.

Toby WT8O gave the Net report and thanked all the net controllers and also thanked everyone who checks into the net and encouraged anyone with a two meter radio to check in. He also stated that the check-ins are down from the normal 20+ people to about 13. He also said Field Day was June 25 and 26 this year and the club picnic is on July 29th.

Dwaine Modock, K8ME talked about the Dayton bus trip and the ARRL bus trip and passed out some flyers on each.

Tom, WB8N asked everyone to send articles and pictures for the WO.

Scholarship: CARS gives out two \$500 scholarships each year to members or family

members of members. An application form is on the C.A.R.S. web site and you have till May 31 to apply.

The 50/50 drawing the winner was Toby, WT8O with \$24 going into his pocket.

Steve Jones, N8SRJ made the motion to close the meeting which was seconded by Linda Sinko, N8LRS and the meeting was adjourned at 9:15p.m.

Submitted by Stephen Jones N8SRJ C.A.R.S. Secretary.

USS YORKTOWN BACK ON THE AIR

FredHambrechtW4JLE/NNN0AAG

Submitted by Bob Check, W8GC

On May 14, 2011 the call sign NWKJ will be heard on the airwaves for the first time in forty one years...

The amateur frequencies being listened to will be announced by the operators on the frequencies listed below.

QSL cards will be sent to all contacts.

Yorktown will be operating on the following frequencies:

USS YORKTOWN (CV-10) (14 MAY 1200Z - 15 MAY 0400Z)

FREQUENCY EMISSION AMATEUR BAND

all outside ham bands

4010.0 KHZ LSB 80M

7348.0 KHZ LSB 40M

14478.5 KHZ USB 20M

20994.0 KHZ USB 15M

POC: Fred Hambrecht NNN0GBS

ADDRESS: 129 Indian Trace Court
Gilbert, SC 29054

DAYTON BUS TRIP URGENCY

By Dwaine Modock, K8ME

The Dayton Hamvention is drawing near and the Cuyahoga Amateur Radio Society is sponsoring the Dayton Bus Trip again this year, Bus will be leaving on SATURDAY MAY 21, COST \$40.00. If you are planning on going please have your trip *continued on next page...*

paid up (NO LATER THAN MAY-3) The bus will be much bigger this year, we have to have least 30 paid rider by May 31st otherwise we have to cancel the bus and retrieve our deposit back. To pay for your Dayton Trip please go to --- www.2cars.org All details about the trip will be on the web-site plus you can pay by pay-pal or send check in to:

CARS

PO BOX 31264

INDEPENDENCE, OHIO 44131-0264

FCC TAKING AWAY 10 METER BAND ?

By Omar H. Mung, KB8ZBE

A government "insider" has reported that the Federal Communications Commission is taking a long hard look at the possibility of taking the Ten Meter band away from Amateur Radio in the United States and giving it to the Citizens Band users. The reason for this is said to be due to the non-use of the band by U.S. Amateurs, and the need for more operating space for long-haul truckers and red-necks. This controversial move would severally be a shot in the backside for Amateur operators, who are looking forward to using this band when the sun spots finally do show up and make DX-ing a slam-dunk once again for even the most modest of Amateur radio stations.

Amateurs in other countries around the world would still have the use of the ten meter Amateur band, just not operators in the good old U.S. of A. which means that those CB-ers would be trying to DX the foreign Amateur stations, and would probably be using illegal linear amplifiers as well. Canadians operating near the U.S. boarder with Canada would also be affected, and would be forbidden from using the ten meter band as well.

HF transceivers manufactured after a certain date for sale in the U.S. would be unable to be operated on the ten meter band. HF transceivers already in use would have to be modified so that they would also be inoperable on the ten meter band. Owners of those transceivers would have a certain amount of time to comply with this order, under penalty of a severe fine and possibly

imprisonment.

All U.S. Amateur operators are being urged to write to their FCC representatives as soon as possible , to beg them to re-consider this drastic measure and to let the U.S. Amateur Radio operators keep their prized ten meter band and not let those durned old red-necks and truckers take it away from us. E-mail them and deluge them with tweets as well as actually writing a letter and sending it via the USPS. If enough of us let the FCC know how we feel, maybe we can at least delay them giving the ten meter band away until the sun spots fade away again in a few years. It's worth a try.

73, de Omar H. Mung, KB8ZBE

RACE FOR THE CURE

By Leone Sirna, KB8VBR

I am the Ham Radio Coordinator for the Susan G. Komen race for the cure this year. It will be held on September 10, 2010 at the Wolstein Center in Cleveland. It will be a 5k run and a 1 mile walk. Last year we will covered from West 9 to East 30 and from Prospect to Carnegie. I do not have the race course for this year yet, but it should be similar if not the same. The event starts at 8:00 a.m. and is usually over around 12:00 to 1:00 p.m.

If you are interested in helping out with the event this year or have any questions please drop me an email to let me know. I know the race is a few months away but I would like to give everyone enough time to plan ahead. Thank You,
Leone Sirna, KB8VBR
kb8vbr@yahoo.com / 440-941-2737

***CHECK INTO THE C.A.R.S. WEEKLY NET,
WEDNESDAY EVENINGS AT 9:00 P.M. ON
THE 146.820 REPEATER. SEE YOU THERE.***

HOW TO ACHIEVE GREAT AUDIO ON YOUR HF RIG

By Mike Higgins, K6AER

Submitted by Gary Dewey, NI8Z

Several ways to obtain this great audio are listed below:

1. TURN THE MIC GAIN DOWN. You should be talking close to the microphone. No more than 1.5 inches away from the housing. When you are 12 inches away you will pick up room acoustics and ambient noise.
2. Use a wind sock over the microphone. This stops breath noise.
3. Use a Cardioid Microphone to reject the noise behind the microphone such as the fan in the amplifier. Cardioid microphones reduce the noise to the rear by as much as 20dB.
4. Locate the amplifier as far as practical from the microphone location.
5. Place a sound deadener behind the amplifier on the wall to kill the sound reflections.
6. Build an air box (4 sided) to move the exhaust from the amplifier top to the rear and there by directing the fan noise away from the microphone location.
7. Suspend the microphone or keep it off the table so it does not pick up table vibrations.

Do all of the above and you can see dynamic ranges of up to 50 dB providing the dogs are outside and the TV is off in the next room, hi, hi! A high dynamic range, clean SSB signal is a beauty to hear and to use for communications. To obtain these results only requires a slight adjustment and some time.

RESULTS OF THE MARCH SURVEY

By Gary Dewey, NI8Z / C.A.R.S. V.P.

The March survey tally is in from 12 participants out of 137 members of C.A.R.S. A less than 10 percent involvement. A sad commentary -- either our members are not reading the W.O. or the are just plain inert in amateur radio activity. The concept of doing a survey is standard practice in learning our members interests or need of help in enjoying the ARS

hobby. No organization can do a good job if they don't know what their members are up to doing participating in the using their radio equipment. This survey was very basic and didn't ask for much detail. However, in its simplicity it speaks volumes. It tells from the survey that Techs are hesitant to respond as only 1.4 per cent of our members did. It tells from the survey that Generals are not commanding the air waves either. Only 1 General class licensee responded.

Out of the 12 that did respond 10 are extremely active in C.A.R.S. This was no surprise that they also are very active on the bands. Everyone who responded has 2 meter equipment. Most have a base rig and an ht. Only 1 does HF mobile. All the Extras and the General are on the HF bands. SSB/CW mode is mostly used. A couple use PSK and RTTY.

Antennas range from dipoles to fancy yagi Stepp IR , one Quad, one S9 and misc. verticals. No clear distinction other than the yagis are predominate for DXrs.

All of the upper license class have QSL cards. However, only 5 have envelopes at the 8th call bureau. Three use EQSLs. Seven do not use LOTW. One of the questions not asked was member involvement in the ARRL. This may be part of the LOTW response.

The hours on the air by those that responded range from 6 hrs to 100hrs per month. Quite a range but I'm sure the retirees are the ones who have more time on their hands to play radio.

The last question in the survey was to provide remarks that would lead to Elmering help or just giving some technical advise to anyone who asked for it. Sadly, no one thought to provide a call for club support.

YOU MIGHT BE A HAM IF ???

Last month we left off with #39.

40. You become impatient waiting for the latest AES catalog to arrive.
41. You have found yourself whistling "CQ" using Morse code.
42. You always schedule the last full weekend in June for vacation. *continued on next page...*

43. You walk carefully in your back yard to avoid being close-lined.
44. You have deep anxiety or panic attacks during high winds or heavy ice.
45. You and the FedEx/UPS men are on a first name basis.
46. You really start to miss people that you've never seen.
47. Your exercise machine is a Morse code keyer.
48. You walk through the plumbing section at the hardware store and see antenna parts.
49. Your neighbors thought you were nuts when you ripped up your lawn to bury chicken wire.
50. Your next door neighbor thinks that your wife is a widow.
51. Your wife has delivered meals to your Ham shack.
52. If you sold all your Ham radio equipment, you could pay off your mortgage.
53. Removing snow from the roof of your car requires working around the antenna and wires.
54. You have never seen a Meteor Shower because you are inside on 6 meters when they occur.
55. If your radio equipment has a more advanced processor than your PC.
56. You hear about a pileup on the local news and you run to your radio equipment and start calling CQ.
57. If you install ferrite beads and place shrink tubing on your toaster appliance cords.
58. If your wife puts something on and asks "Does this make me look too fat?" and you reply with: "Honey you have an excellent front to back ratio with appreciable forward gain on the front lobes."
59. If you think the half human / half machine individuals on a Borg Cube are really just a friendly group of electronic experimenters with similar interests.
60. You have no idea as to the weather forecast for tomorrow, but know the solar forecast for the next month.
61. If your blood type is RF positive.
62. You sell your dog to buy an amplifier.
63. Your XYL says communication is important in a marriage...so you buy another radio for the shack.
64. You doodle Hartley and Colpitts oscillators during boring meetings.
65. ..your boss ask's if you understand? And you reply "QSL" !!!
66. You have been going to the library since you were three and the only shelf you ever go to has Dewey Decimal number 621.
67. You have invested more on your radio equipment than on your kids education.
68. You hire a babysitter to come over, and then you never leave the house-you just go to the shack so you can contest undisturbed.
69. You occasionally buy a Playboy magazine and let your Mom find it , just so she can think that you are 'normal'.
70. You'll spend hundreds of dollars on a new rig, and then wander the hamfest pausing each time you pass the booth selling those \$7 embroidered callsign hats thinking "I wonder if they'll take \$6?"
71. When shopping for a new vehicle the first think you look for is space to mount the radios - you end up sitting in the front seat staring blankly at the dashboard area, feeling underneath seats, and poking around the backseat for ways to route the coax. If caught looking under the hood for holes in the firewall for your power cables, you tell your wife, "Nothing honey, just checking things under here."
72. Your family has a special annual garage sale just to get rid of the boxes of wire, coax, and power adapters-but you pay your friends to "buy" the stuff and get them to quietly return it to you the following weekend.
73. The \$10 bargain you got at the fleamarket that smoked up the whole house when you turned it on is one of your prized possessions.
74. Your wife has called you three times for dinner - then she calls you on the repeater.
75. When going on vacation, the first thing you think about packing is your hand-held, chargers, scanner and frequency book.
76. The total number of radio related books in your home are five times the total number of all other books and magazines.
77. You visually check your outdoor antennas and coax once a week, regardless of the weather.

continued on next page...

78. You have more certificates and licenses on the wall than your local veterinarian or dentist.
79. All the local cops know your vehicle on sight - "it's the blue Ford with six antennas".
80. You think an upside to gaining weight is more belt space for radios.
- And finally, you might be a ham if...
81. You immediately think of 'tower' when someone says the word - 'erection'.

KEN'S JUNK BOX

By Ken Osicki K8OAE

Amundsen-Scott April 1911

Amundsen

April begins a long season of refining plans for the polar assault. Amundsen changes his intended starting date; he will leave *earlier* than originally planned. Only meteorological measurements are taken. Amundsen's only plan, his only goal, is to reach the pole. As for his men, his main concern is that they live properly during the winter. He wants them to sleep and eat well to ensure their full strength and that they are in good spirits.

In 1911 no one knew about vitamins. Yet, Amundsen insisted that his men consume a diet of fresh or frozen seal, cooked underdone, as recommended by Cook long ago. This practice, learned from Eskimos, prevented scurvy. It is now known that seal meat, especially livers, contain large amounts of Vitamin C. They eat only whole-meal breads and use wheat-germ which unknowingly provided them with the vitamin B complex.

By April 17 Amundsen, had set a winter work schedule for 6 days a week: 7:30 everyone up; 9 - 11:55 work; 2 - 5:15 work; evenings for individual reading, study, or preparing personal equipment for the polar journey. The arduous task of packing and repacking sledges to attain the most efficient load possible began and continued throughout the winter.

Kristian Prestrud was the navigator for the polar journey. He remembered that in 1903 Scott had set out on a polar trip with one set of navigation tables and had lost it. Not wanting that to happen, Prestrud made 6 copies of the tables and wrote

out standard forms for recording their sightings in order to simplify checking. In an unbelievable turn of events for Amundsen, they had forgotten their copy of the 1912 Nautical Almanac, making it necessary to target the end of 1911 as the goal for reaching the Pole. The 1911 copy would have to do, but one night it was accidentally set on fire by an oil lamp. Almost as if an omen, the flames died down on their own just before reaching the vitally needed tables. The target date for reaching the pole had been set for them!

By the middle of April Framheim was being covered with snow and had to be dug out regularly. Snow shovels had not been included, somehow, in the list of supplies. The team carpenter, Bjaaland, who was also a violin maker, builder, ski-maker, musician, and ski champion, made some out of an iron plate.

Then, someone thought to let the hut become buried and tunnel through the drifts into it, and using the tunnels for desperately needed work space. A network of snow caverns became workshops, a laundry, and even a sauna.

On April 21, the sun rose briefly, then quickly set and would not be seen again for the next four months.

Scott

Scott became worried by the extreme winds that they faced. Often, the men could only go out for a brief time to check instruments and animals. Daylight was rapidly becoming reduced and temperatures were dropping.

During April little thought was given to the polar journey although equipment was repaired or improved. The men played soccer and chess, took dogs on runs, and celebrated birthdays and national holidays. A "newspaper," The South Polar Times, was written and printed. The "newspaper" consisted of scientific articles, editorials, and illustrations by Dr. Edward Wilson, Scott's naturalist and scientist. The collected articles were extremely well done, and were later collected and published for private distribution.

In early April, Scott invited a group to walk over the newly formed ice toward Castle Rock. They *continued on next page....*

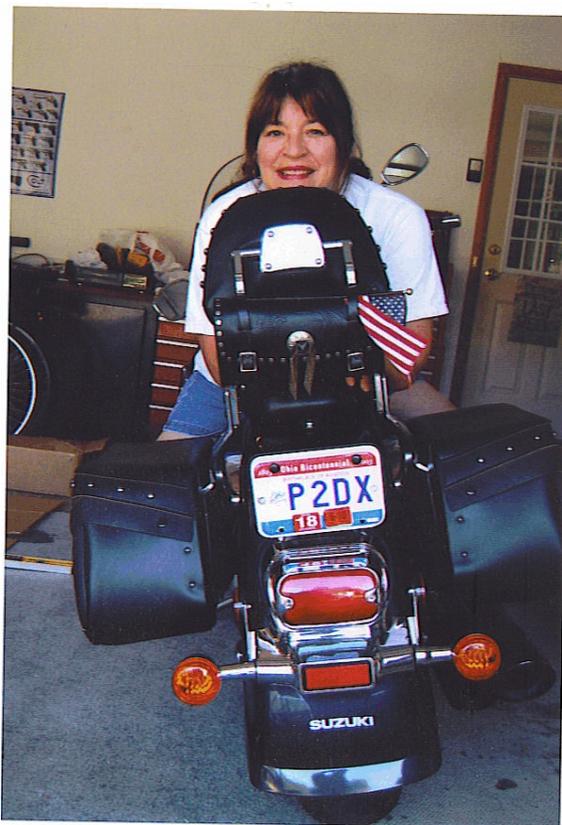
walked on heaving ice for about two miles when geologist Griffith Taylor broke through. He was able to lever himself out and had to be rushed back to the hut.

An exploratory trip was made to more extensively explore the area, looking for alternate routes from the peninsula down onto the ice. On their return to Hut Point they decided to wait out the night and cross to Cape Evans in the morning. But they awoke to find that the ice they had been traveling on was gone, replaced entirely by open sea! They had to find their way back to the hut by traveling along the edge of the island, crossing crevasses, and lowering men and sledges down ice-cliffs. Scott gave no thought to diet. They were eating lots of refined foods – white bread, tinned meats – and when they did have seal meat they over-cooked it. They did not train or prepare their bodies for the work that lay ahead, other than the nominal efforts of their daily work around the hut or on the infrequent exploratory trips.

On April 23 the sun appeared, then disappeared for the next four months.

NEXT MONTH: What happened in May?

LINDA SINKO, N8LRS SCORES “RARE DX” PAPUA NEW GUINEA LICENSE PLATE FOR HER MOTORCYCLE



APRIL BIRTHDAYS

KC8WBF Skip Cook 4-7-36

KC8FQV Mark Studer 4-14-64

KC8OJD Daniel Dressler 4-16

KC8WBG Dawnn Barbour 4-18

K8REF Gary Berkowitz 4-19

N8OVW Vince Bak 4-22-49

KC8WLY John Cobb Sr. 4-23-57

W8MET Metro Sinko 4-27

W8GC Bob Check 4-29-41

MANY HAPPY RETURNS AND CONGRATS TO ALL !

THE RANDOM WIRE

By Tom Wayne, WB8N

SPRING HAS SPRUNG

As me old mother used to say, “Spring has sprung, the grass has riz, I wonder where the flowers is?” Well, The Spring has sprung, but the grass still hasn’t riz, and where’s the warmth, what gives???

FIRST HAMFEST OF SPRING

Like the first robin of Spring...the first hamfest of spring is coming right up. The Cuyahoga Falls Amateur Radio Club (CFARC) is holding their 57th annual hamfest on Sunday, April 9, at the Emidio & *continued on next page....*

Sons Party Center, on the southeast corner of E. Bath Rd. and Old Rt. Eight. This is usually a pretty good hamfest, although I have not been to in a couple of years. Maybe this year. For all the info on this hamfest, go to their website at

www.cfarc.org/hamfest.

SPEAKING OF HAMFESTS

The BIG ONE is coming up pretty soon everyone. Of course I am talking about the great Dayton Hamvention®. I already have my ticket, my handicap parking pass, and my motel reservation is confirmed so I'm all set. I am spending two nights there this year. C.A.R.S. is sponsoring a bus trip to Dayton again this year so even if you are a seasoned hamventioneer or a hamvention "newbie, the bus trip is the way to go if you can't spend the duration down there, and the price is right. The bus is filling up fast so make your reservation soon. There is a full page flyer elsewhere in this issue with all the information. There's still time to order your hamvention ticket online too. Just google the Dayton Hamvention®, go to their site, and place your order.

TRIP TO MECCA

Another C.A.R.S. sponsored bus trip is the July trip to the ARRL for a tour of the facilities and a chance to operate the famed W1AW station. This is a once-in-a-lifetime trip folks, and includes everything except your lunch and dinner meals. There is a full page flyer on this trip in this issue also.

COMING C.A.R.S. ACTIVITIES

As you know, there are only two more meetings at TGI Friday's before we start our meetings in the park, at the Brecksville reservation of the Metro Parks. Field day is coming up on the last full weekend of June, and our annual family picnic is soon after that, at which time the winners of the scholarship raffle and the winners of the scholarship will be announced.

APRIL FOOLS ISSUE

As you may or may not have noticed, at least one article in this issue is tongue-in-cheek, if not flat out completely false. Happy April Fools Day to all! Don't let anyone pull any April Fools Day jokes over on you and if they do hopefully you'll get them before they get you.

TTFN

That's about it for this month folks. Hope to see you at the next meeting, on the air or hopefully both. 73 for now.

de Tom, WB8N

C.A.R.S. TO START CHARGING FOR WOBBLY OSCILLATOR NEWSLETTER

By Tom Wayne, Newsletter Editor

It is with a heavy heart that I have to announce that due to the economic situation and the rising cost of using the internet to transmit the newsletter to the C.A.R.S. website and snail mail postage, the C.A.R.S. Executive Board has decided to start charging a slight fee for the Wobbly Oscillator. The fee will be added to the annual membership dues. For 2011, there will be an assessment to be paid by each member. At this time the price of the increase has not been decided, but will be kept below the five dollar range, which would be less than fifty cents per month. You will be kept informed when the price is decided upon. This was a hard decision for the board to make and caused many sleepless nights for the board members. It was either charge a slight fee for the newsletter or begin charging an admission fee before you are allowed entrance to a monthly meeting. The blame for this increase can be placed directly on the unrest in the Middle East, especially in Lybia.

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 related publication provided that 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@2cars.org by the 26th of the month for publication in the next month's issue.

**Go to
www.2cars.org
to reserve and pay
for your 2011
Dayton Hamvention
Bus Trip**



CARS is again sponsoring a Bus trip to the Dayton Hamvention, the 2011 bus trip will take place on Saturday May 21.

The Bus trip will cost \$40.00 dollars per person, the bus will be stopping for breakfast on the way down, with a brief stop on the way home for a quick bite. You are responsible for your food and Hamvention ticket costs.

Stop 1: The bus will leave promptly at 3:30 am from the Kmart parking lot at the intersection of Engle and Bagley Roads, in Middleburg Heights, Engle Road is a 1/4 mile west of I-71, Kmart is behind the Gas station. Vehicles will be safe, there will be security.

Stop 2: The bus will also pickup riders at I-71 & Rt 303 at the SE corner of the Kmart parking lot and will depart for Dayton at approximately 4:00 am. When ordering tickets please tell us which stop you will be at.

Bus tickets must be purchased and paid for in advance. The bus was sold out in 2010 so reserve your seats as early as possible.

If you have any questions please see Dwaine at a cars meeting, call 440-582-3462 or go to www.2cars.org and click on the Dayton Bus trip link to pay using PayPal. Checks can be mailed to: CARS, P.O. Box 31264, Independence, OH 44131-0264 attn. Dayton bus

73, Dwaine, K8ME and the Bus Committee

Cuyahoga Amateur Radio Society
P.O. Box 31264
Independence, OH 44131-0264
www.2cars.org



2011 CARS Scholarship fund Raffle Tickets are now available

Help support the CARS Scholarship fund by getting your Raffle Tickets ASAP.

Donation is only \$3.00 per ticket or \$5.00 for 2 tickets! **

Anyone is welcome to purchase tickets, you can order your tickets on line using PayPal, no PayPal account needed just a credit card, go to www.2cars.org or contact the Treasurer Bob Check, W8GC 216-524-1750.

What can be more important than helping people get an education! CARS has awarded two \$500.00 Scholarships a year since 2006. This Raffle will only be held one time in 2011.

This **drawing** will be held at the **CARS 2011 Summer picnic on July 29, 2010**. Winners do NOT need to attend to win. Winners will be notified plus be listed on the CARS web site and in our Newsletter the WO.



1st prize \$300.00

2nd prize \$200.00

3rd prize \$100.00

Maximum of 850 tickets will be sold

****All proceeds less actual expenses go to the CARS Scholarship Fund.**