

The Wobbly Oscillator Cuyahoga Amateur Radio Society

NO8A Special Event Call

K8ZFR Cleveland Area Repeaters 146.82 - 443.825 - 444.75



MARCH 2011

VOLUME 40

ISSUE 3

C. A. R. S. MEMBER SURVEY INSIDE MARCH MEETING TUESDAY, MARCH 8th

FROM THE PREZ

Our March meeting promises to be really special. We have a private room at TGI Friday's available at 6:00 for dinner. The spouses have been invited. It is our hope to give them a night out and add their presence to the overall enjoyment of the meeting. We also will have what should prove to be a very interesting program on antenna modeling. We will be trying something different too. We will present the program before the business meeting. We will start the antenna program at 7:30 with the actual meeting to follow. All this activity will be after a good dinner. Best of all, the XYLs may become antenna experts.

Don't forget to sign up for the bus trips that C.A.R.S. is organizing. The Dayton bus is a yearly event that has been very successful over the years, and this year should be no exception. Down and back to the Hamvention on Saturday with the whole day to cruise the exhibits and flea market should make any ham happy. The trip to the ARRL headquarters and W1AW in July should be a very memorable event. We really need to get enough people signed up to make it a "go." So far commitments have been a little slow. If you are planning to go on either trip, please sign up on the C.A.R.S. website soon so the necessary number of participants can be reached.

73, Toby, WT8O

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FEBRUARY MEETING MINUTES

The C.A.R.S. February monthly meeting was called to order at 7:45 P.M. by President Toby Kolman, WT8O on the 8th of the month. The meeting was held at TGI Friday's in Parma, Oh. Eighteen members and two guests introduced themselves to begin the meeting.

Bob Check, W8GC motioned to accept the January minutes as published in the February Wobbly Oscillator, and Mike, KB8UGT seconded. There were no additions, or questions so the members passed the motion.

Bob then gave the treasury report and stated that *continued on next page....*

the treasury was about same as last month. He then talked about the Technician, General, and Extra classes that C.A.R.S is holding, saying that the classes are starting on February 17th. Bob also stated that dues are due and that you can pay for them online thru PayPal. Bob also mentioned the scholarship raffle.

Gary Dewey, NI8Z didn't make the meeting due to illness so there was no Vice President's report and no VE report.

Bill Sarver, WU8A gave a report on the Copley School Club's. He said that Dave Dressler, KD8V has about 20 kids coming to the club on Friday's after school. He also said Brad Bennett, W8WEN is back from doing soccer and is helping out now.

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 at 9:00 P.M. on Wednesday nights. Toby also stated that the check-ins are down from the normal average of 20 people to about 13.

Toby also mentioned that Field Day is June 25 and 26 this year and that the C.A.R.S. annual picnic is on July 29th.

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

W.O. editor Tom Wayne, WB8N asked everyone to send articles and pictures for the W.O.

Members voted on new member David Graham, KD8PLC. The members present voted David in as a new member. Congratulations David!

CARS gives out two \$500 scholarships each year to worthy recipients who must be members of C.A.R.S. or relatives of C.A.R.S. members in good standing.. The application form is on the CARS web site and applicants have until May 31st. to apply.

Bruce Brown, KC8RKS thanked everyone who helps out at the Tour De Cure and said that it comes up fast and to put it on your calendars. It is June 5th this year.

Linda Sinko, N8LRS suggested that we bring our wives or girlfriends to the meetings so they can see what its like and that they can sit off to the side

and talk among themselves.

The 50/50 raffle was won by Bruce Bacik, N8DJX, with \$14 going to him.

Steve Jones, N8SRJ made the motion to close the meeting and Linda, N8LRS seconded the motion. The meeting was adjourned at 8:45 P.M.

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

C.A.R.S. ANNUAL AUDIT

Submitted by Gary Dewey, NI8Z

The audit of the Cuyahoga Society's financial records for 2010 was conducted in a timely manner and the books and treasury were found to be in excellent condition. Bob Check, W8GC; Tina Check, W8HBI; Gary Dewey, NI8Z; and Toby Kolman, WT8O conducted the audit with Toby presiding the audit meeting. Gary, NI8Z checked and signed the finished paper work. The C.A.R.S. financials are in the best shape they have ever been in. The treasurers records are impeccable. The 2010 books are closed and the year 2011 will be in another sound financial condition under the outstanding capability of the reelected treasurer.

FOR SALE

By Ken Osicki, K8OAE

I am cleaning up my shack and would like to see the following items fall into good hands.

Kenwood TS 130S 80-10 M transceiver. Unit looks god and works well, although band switch may sometimes be "finicky." Unit comes with a very nice Kenwood MC50 desk mike. Asking \$200.00 for both as a unit.

Tak-Tenna (check out Tak-Tenna.com for more info) 40 band limited space antenna. Yes it does well on 40 M and a tuner, and can also work other
continued on next page...

bands pretty well, too. Sells new for \$118. I'll take \$50.

MFJ Versa Tuner II model MFJ 941 E. Case is scratched up, but unit does work well. Make me an offer.

New, unwrapped, in the box Arrow satellite antenna 146/437-10WBP with duplexer and split beam. Sells new \$139. I'll take \$100.

Ken Osicki K8OAE
K8OAE@arrl.net
440-230-1537

MEMBER SURVEY

By Gary Dewey, NI8Z

Ok, I got the idea to do a club survey and put it in the WO. Two things I hope to accomplish:

(1) How many read the WO from the online web page, and (2) See who is active as a ham and what they are doing...so...here goes.

1) WHICH IS YOUR LICENSE CLASSIFICATION ? TECH _____ GENERAL _____ EXTRA _____

2) DO YOU OPERATE ON 2 METERS? YES _____ NO _____

3) DO YOU OWN A 2 METER MOBILE RADIO? YES _____ NO _____

3a) DO YOU HAVE A 2 METER BASE STATION? YES _____ NO _____

3b) DO YOU OWN A 2 METER HT? YES _____ NO _____

4) DO YOU HAVE A HF RADIO? YES _____ NO _____

4a) DO YOU OPERATE HF MOBILE? YES _____ NO _____

5) ARE YOU ACTIVE ON THE HF BANDS? YES _____ NO _____

6) WHAT MODES DO YOU OPERATE ON HF? SSB (VOICE) _____ CW _____ SSTV _____ PSK31 _____ RTTY _____ OTHER DIGITAL MODES _____

7) WHAT DO YOU USE FOR AN HF ANTENNA? _____

8) DO YOU HAVE PERSONAL QSL CARDS? YES _____ NO _____

8a) IF YES, DO YOU HAVE ENVELOPES AT THE 8TH CALL BUREAU? YES _____ NO _____

9) DO YOU USE EQSL? YES _____ NO _____

10) DO YOU USE LOG BOOK OF THE WORLD? YES _____ NO _____

11) HOW MANY HOURS PER MONTH WOULD YOU SAY YOU ARE ON THE HAM BANDS? _____

12) IF YOU ARE NOT USING YOUR AMATEUR RADIO PRIVILEGES WHAT WOULD YOU SAY IS HOLDING YOU BACK?

Please take a few minutes to copy and paste to a reply email to INDEPNI8Z@YAHOO.COM and fill it out. Results will be published or discussed at the April meeting.

73, NI8Z

C.A.R.S. NET REMINDER

As you all know, the Cuyahoga Amateur Radio Society holds it's weekly net on Wednesday nights at 9:00 P.M. on the 146.820 repeater and the 443.825 repeater. You can check in via Echo Link as well. It is a fun net, with a trivia question featured each week.

We have been slipping as of late in the number of check-ins we have had on the net. The more the merrier guys and gals. All you need is your 2 meter *continued on next page...*

or 70 cm handheld. You can even use your I-phone to check in via Echo Link. The main thing is to CHECK IN ON THE NET! There isn't much on television at that time of evening and even if there is something you want to watch, tape it or copy it on a DVD. The net us usually over before 10:00 P.M. so you have time to watch Law & Order Special Victims Unit.

Mark it on your Calendars, tie a string around your finger, but try to make it a point to check into the net. Who knows, you might even learn something.

See you on the net.

MARCH BIRTHDAYS

K8EHP Michael Cegelski 3-2-42

WA8SLN Scotty Shields 3-13-32

KA8KPB Blaine Coleman 3-18-46

KB8DTC Terry Pillatt 3-18-46

WA8SSQ Tony Hackenberg 3-20-51

KB8QHJ Marc Rubin 3-25-66

KB8NW Tedd Mirgliotta 3-27-52

N8DJX Bruce Bacik 3-31-42

KD8FTU Kim Balach 3-31-88

*HAPPY BIRTHDAY TO ALL
& Many Happy Returns!*

KEN'S JUNK BOX

By Ken Osicki K8OAE

Continued from last month...

Amundsen-Scott March 1911

Amundsen

During February, Amundsen and his men worked to set up supply depots along the proposed route to the Pole. From Framheim, located at 79 deg 38 min S latitude, they would establish depots at 80, 81, and 82 degrees, the latter being over 140 miles from Framheim. By **March 3** they had

reached 81deg. It was still summer, but the temperature was recorded as -45.4 deg F. At 81 deg they laid down a depot of 1,234 lbs of supplies, mostly pemmican for the dogs.

March 7. The journey to 81 deg had been remarkably reasonable. The trip to 82 deg would be considerably slower, covering distances of 16 or so miles in a day. The temperature had hovered around -40 F, and it was during this time that the men realized an important improvement to their equipment. They had been using 2 tents, one for shelter and one for cooking. This necessitated moving hot food from one tent to the other. Why not sew the tents together to make one larger tent, thus avoiding the weather as much as possible? This became reality by the winter-over crew at Framheim during the coming weather.

March 8. Reaching 82 deg and depositing another 1370 lbs of supplies, they began their return to Framheim. Amundsen had moved 3 times as much supplies 150 miles further than Scott had done on his depot journeys.

March 13-15. Waiting out a storm, they left their tents to find that wind-driven snow and ice particles had destroyed their whips, ski-bindings, and harnesses. They had to improvise new equipment using Alpine-rope. Three of their dogs perished. By **March 18** three more dogs had died. Remarkably, one dog that had broken its tethers a day earlier and had run off, reappeared healthy and ready for work. It appeared that they were straying off of their trail and discovered that they had been storing their compass too close to some metal utensils.

Stalled by a storm on the **20th**, by the **21st** they were only 53 miles from Framheim, but were off their return track and too far to the east. However, they noted excitedly that they could see Framheim and their "fellows" hunting seals. To their disappointment, the vision was a mirage! They returned to Framheim on the **23d**, covering 37 miles on their last day. It had been decided that a sled trip of 160 miles could easily be covered in only one week, and this figure was used to plan future runs.

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They immediately began planning follow-up depot runs, the goal being to get as great a supply of food and other materials as possible to the established depots, the last trip beginning on **March 31**.

While the depot trips were taking place, seal slaughtering and butchering continued to provide sufficient meat for the winter. Storage was improved, and the interior of the hut was painted. Every Saturday the party members would enjoy a glass of “toddy” and a cigar after their evening meal. On **March 25** they enjoyed a warm day of +6.8 deg F, and on **March 28** the Aurora Australis was seen dancing overhead for the first time.

Scott

In **late February**, the Terra Nova dropped off a small group of Scott’s men about 350 miles north of Scott’s base at Cape Evans. This northern party would spend the winter in a small hut at Robertson Bay and would be picked up by the Terra Nova in January, 2012. Their exploration goals would not be fully carried out because they could not find a route into the interior. This group had no ideas of the extreme rigors and hardships that they would come to face during the next two years! Their story will be told in a later article.

A geological party was sent to explore the coastal area west of McMurdo Sound at the end of January, 1911. This party of 4 men established a camp on **Jan. 30**, explored several glaciers, and returned to Cape Evans on **March 14**.

Scott’s depot supply team was returning to Cape Evans by **late February**. The 13-man team had struggled to bring a ton of supplies to not quite 80 deg S, and would make a final 8-day round trip beginning on **March 16**. During the same period of time, Amundsen had moved 3-tons of supplies 2 degrees closer to the pole!

On the return to Cape Evans the depot party encountered thinning ice on the Ross Sea. At one point they were awakened to find themselves on an ice-floe not 30 yards across, and had to fight to rescue themselves, losing one pony in the process. Their escape was a frantic 6-hour race, jumping from floe to floe attempting to reach the permanent ice barrier. To make their plight all the worse, a

large pack of Killer Whales appeared in the brash ice between the floes. In his haste to return to Hut Point, Scott decided to order his men, on **March 1**, to cross the weak sea-ice, a decision that was almost fatal. As a result, two more ponies were lost but the men managed to save themselves and their equipment.

At Hut Point they were only 13 miles from Cape Evans, but had to wait for the sea to freeze sufficiently in order to make a safe trip. After 3 weeks the ice was only marginally safe for travel. During this time, Scott had grown agitated, nervous, and tense. The party began to feel divided and inconsolable. They were using an old hut from an earlier expedition and found some supplies as much as 10 years old that they could use. The prevailing winds were piling snow up against the entrance to the hut and they took to entering and exiting through a window on the opposite side of the structure. They would be at Hut Point until the **2nd week of April, 1911**. Seven of eight ponies had been lost.

The ships that brought both teams to Antarctica were now on their way north to refurbish and resupply for their return to Antarctica the following summer. Scott’s ship, the *Terra Nova*, ran into foul weather and almost sank. The bilge pump would foul and they had to improvise a filter by perforating an enamel jug. This filter had to be held *by hand* to the intakes. On **March 31**, the *Terra Nova* returned to Lyttleton, where New Zealand generosity and British financial support helped the crew get the ship ready for its return south.

Meanwhile, Amundsen’s ship, *Fram*, had a longer way to travel, having to sail around the Horn of South America and up the eastern coast to Buenos Aires. It was an uneventful voyage in a splendid ship, but when they arrived on **April 17th**, they found themselves without any financial support. Given the nature of Amundsen’s decision to turn south and try for the pole, the Norwegian government was reluctant to generate any help. Fortunately, *Fram*’s captain was able to secure complete funding from a single benefactor, Don *continued on next page....*

Pedro Christophersen. The amount of support even allowed the refitted *Fram* with funds to conduct an oceanographic study between S. America and S. Africa before returning to pick up the Amundsen party.

NEXT MONTH: What happened in April?

YOU MIGHT BE A HAM IF...

You look at a full moon and wonder how much antenna gain you would need.

A friend riding with you remarks that you have a lot of CB's in your car and it turns into an hour long rant on how ham radio is not CB radio.

When someone asks you for directions you pause, wondering if short path or long path would be best.

When you look at a globe of the world and you are able to point to your antipode. (And you know what an antipode is.)

Your cell phone ring tone is your call sign in Morse code. (Gary....NI8Z)

You have accidently signed off from an telephone conversation with your call sign. (WB8N)

Your favorite vacation spots are mountain tops or islands in the Caribbean.

While driving, you notice more antennas than road signs.

You have driven onto the shoulder of the road while looking at someone's antenna.

Porcupines appear to be fascinated with your car.

You have tried to figure out the operating frequency of your microwave oven.

You look around your bedroom of wall to wall ham gear and wonder, Why am I still single?

The local city council doesn't like you.

You think antenna towers are a thing of beauty.

Your family doesn't have a clue what to get you for Christmas, even after you tell them.

Your HF amplifier puts out more power that the

local AM broadcast radio station.

The wife and kids are away, and the first thing that goes through your mind is "I can call CQ DX till I'm blue in the face.

You refer to your kids as harmonics.

Your wife asks "You're going to spend \$xxxx on what?

You plan your family vacations around hamfest dates.

You have a picture of your radio station setup as wallpaper on your computers desktop.

Every family vacation includes a stop at the local ham radio store.

The first thing you ask the new car salesperson is "what's the alternators current output?"

You buy a new car based on the radio mounting locations and the antenna mounting possibilities.

You have tapped out something in Morse code on your car horn.

A lightening strike takes out your new laptop, plasma tv and DVD recorder and all you worry about is if you're your radio station is ok.

Your wife had to ride in the back seat because you had radio equipment taking up the passenger seat.

Your wife threatens you with divorce when you tell her you are going on a "fox hunt".

Your wife tells you that the kids need to be fed and you wonder what their impedances are.

When house hunting, you look for the best room for a radio shack and scan the back yard for possible tower placements.

The real estate agent scratches their head when you ask if the soil conductivity is high, medium, or low.

You have ham radio magazines in the bathroom.

When your doorbell rings you immediately shut down the amplifier.

Fermentation never enters your mind when "homebrew" is mentioned.

Instead of saying no, you have said "Negative".

You have used a person's name to indicate acknowledgment..."Roger".

THE RANDOM WIRE

By Tom Wayne, WB8N

C'MON SPRING

Here I sit, putting together this issue of the Wobbly Oscillator, and it is snowing it's butt off outside. It's like a blizzard, and I'm gonna have to get myself out there and clean the driveway before I go to visit my wife at the nursing home, because I have 18 inch snow drifts in the driveway. Supposedly, the groundhog didn't see it's shadow, so we are supposed to have an early spring. Well, it can't come early enough for me!

MANSFIELD MIDWINTER HAMFEST

Well, another Mansfield hamfest has come and gone. The weather couldn't have been better for driving down and back, though the area between buildings was a bit treacherous with the ice on the blacktop. I went down with Gary N18Z, Adam N8MOX and George K8KR. We stopped on the way at the Bob Evans on Rt. 18 and had breakfast, and got to the hamfest site around 9:00 A.M.

Usually we have to drive around awhile looking for a place to park, but this time we lucked out. Someone was backing out of his parking space and we zoomed in there, and it was very near the exhibition buildings as well!

We ran into a lot of hams from up north here, a lot of members and ex-members C.A.R.S. as well as hams I hadn't seen since the last Mansfield hamfest.

I wasn't looking for anything in particular this year, even though I brought a "few bucks" with me just in case, but I did run into a couple of good deals! The remote control for my wife's tv at the nursing home had quit and I was procrastinating on purchasing a new one. Well, some flea market vendor was selling a bunch of remotes for just fifty cents! So what the heck, I bought one. It works great! What a deal. Then I came upon a guy selling a one only Yaesu hat...one that was different. This hat was extolling Yaesu VoIP WIRES II...for a buck! I had never seen a Yaesu hat like that one.

So I bought it. I could probably sell it on Ebay for \$5! Anyway, that was the extent of my purchases. It was a good hamfest in my opinion...well attended and a lot of vendors and flea marketeers. No one from our group won any door prizes, or the grand prize either. Oh well, there's always next year.

C.A.R.S. BUS TRIPS

The Dayton Hamvention® is only 3 months away everyone. If you have never been to the Hamvention, you must go at least once in your Amateur Radio lifetime. It is like no other hamfest you have ever seen! It's got the largest outdoor flea market and the inside vendors and manufacturers will blow you away. There always "show specials", and you'll find some great deals on both old and new equipment. Plus, just the experience is one you have to have. You can meet all the people from the ARRL at their large exposition, meet the people from CQ Magazine, as well as the main people from the various companies such as Yaesu, Kenwood, ICOM, DX Engineering, which is a local company, as well as all the other "big names" in Amateur Radio. There are various forums on ham topics that you can attend, and the food ain't bad either! If you only have time to spend one day at the Hamvention, this bus trip is the way to go. Of course, the best way to experience this event is to spend at least two days, it would be best, but the bus trip is the next best way to go. Check it out on the C.A.R.S. web site.

The other bus trip is to the ARRL Headquarters in Newington CT. This is a once in a lifetime opportunity. A visit to the ARRL is like a visit to Mecca. This trip is a 3 day trip, with two nights at a motel. The price is right! Just \$275 which includes the bus, the motel, 2 breakfasts, the bus driver's accommodations and tip. Your only additional expense would be your other meals and any extra activities you might partake in. You'll be able to tour the ARRL headquarters, and even operate at their station positions. You'll meet the ARRL staff and any officers who might happen to be there at the time of the visit. What a deal!

I will be going to Dayton for two days with N8MOX...we already have our reservations. Our

motel will have an indoor swimming pool, with a hot tub to relax our muscles after walking all day around the hamfest. But I really hope to be able to make the ARRL trip. If I don't, I'll never get there.
continued on next page...

So, if you can at least make one of these trips, if not both. You'll never regret it!

Tha tha tha that's all folks...

It's time to get outta here for this month, so I'll just say that I hope to see you on the bands, and on the net, not to mention at the March meeting.

73 for now,
de Tom, WB8N

inspectors noticed the cracks as they were leaving Dunkin Donuts around 4:00 A.M., according to Suzie Conflictus, FCC and Power Industry spokesperson. "Since there is no budget for band repair," said Suzie, "the cracks will probably keep growing and eventually cover all the ham bands. At that point the bands might split, maybe into CW, SSB, Digital and BPL portions, or something like that." She continued. LRRR officials were quick to point out that the so-called cracks were more like dents, and posed no immediate danger beyond adding a little extra QST. When asked about the LARA's view, Ms. Conflictus said "Homeland Security, can't talk about it." ---N4GG

MYSTERIOUS LONG-DELAYED ECHOES EXPLAINED, SORT OF

Amateurs around the world have been startled for the past two weeks by the sound of Morse code in the form of buzzing sounds coming from their AM radios. Tuning with communications receivers seems to indicate the signals peak around 400-500 meters and use Morse signals in common use around 1910, such as --.- which spark gap telegraphers used to send when moving their spark gaps to high power. Further listening by very old people has revealed that these signals are, in fact, long-delayed echoes from November, 1910. "There is a REALLY BIG reflector out there around 49 light-years away", GEARVACf's director of research, Dr. Fleming Fessenden said, while listening to the long-ago sent and just-now returned signals. "If the reflector hold up, we should be able to watch 'I Love Lucy' starting in about 2053, and it won't be re-runs either; it will be the real broadcast in glorious black and white." speculated Dr. Fessenden. The USPS delivered a raft of citations back to the FCC marked 'return to sender, recipient deceased' which the commission had attempted to send to 1AW, 4HK, 8JR and a host of other stations heard using sparktransmission during the past two weeks. --- N4GG

THE GEARVAKf (the f is silent) BULLETIN Reprinted with permission *MARCONI BIRTHDAY CELEBRATION*

The FCC has just issued blanket approval for spark transmission on February 29th, in commemoration of Marconi's birthday. All US amateurs are encouraged to build or resurrect spark transmitters, the bigger the better, and transmit all day long. "Rotary gaps in the 5 to 10 KW range should really 'ring in' Marconi's birthday with a bang, or at least a big buzz." said FCC spokesperson Ralph R. Spiffie Jr. LRRR officials viewed the FCC's action with some skepticism. "I think it's just a ploy to get hams to replenish the ozone layer at their own expense." said Micky McCoy, LRRR resident expert on radio. In a separate press conference, the FCC announced that February 29th would mark the beginning of an amnesty period, during which BPL systems would be exempt from Part 15 rules. When asked how long the amnesty would last, Spiffie replied: "Homeland Security. Can't talk about it." He continued, "Besides, I really don't think anyone will notice anyway." --- N4GG

40-METER CRACKS FOUND!

The FCC announced that cracks were discovered in the 40 meter band recently. The band



2011 ARRL ROAD TRIP

ARRL Headquarters, Newington, CT



ARRL HQ front entrance

The Cuyahoga Amateur Radio Society is organizing a bus trip to the ARRL Headquarters, if you have never visited the ARRL home you are in for a treat. Monday July 18 there will be a guided tour of the League HQ, you will meet the ARRL staff, view their Museum quality displays of old equipment, see how the QSL bureau and other departments work. You can bring QSL cards to be checked for DXCC, WAS, or VUCC submissions, just bring your cards with completed applications.

You will also have an opportunity to operate one of the W1AW stations located in 3 studios, both morning and afternoon sessions will be available, you must bring a copy of your license to operate.

The ARRL bus will be leaving on Sunday July 17, 2011 and return on Tuesday July 19, 2011. The cost of the trip is \$275* per person and includes: Trip up and back on a 55 passenger bus, two nights lodging in Newington, CT, Double occupancy on rooms, free breakfast at the hotel, bus driver's room and gratuity. There will be stops both up and back. You are responsible for your food costs. ***This Bus trip must be purchased and paid for no later than June 16, 2011.***

The bus will leave at 5:00 am from the Kmart parking lot at the intersection of Engle and Bagley Road, in Middleburg Heights, Engle road is ¼ mile West of I-71, Kmart is behind the AM/PM gas station.

Every Amateur radio operator should visit your ARRL HQ, no more excuses! Sign up for this unforgettable trip NOW. Every one is welcome, members, non members, family and friends.

If you have any questions please contact Dwaine-k8me at a CARS meeting or e-mail: k8me@sbcglobal.net, or go to www.2cars.org and click on the ARRL Road trip bus link, you can pay using PayPal or by check mailed to: CARS, P.O. Box 31264, Independence, Ohio 44131-0264 attn: ARRL bus.

73, Dwaine, K8ME and bus committee

* If we do not meet a 30 person minimum your money will be refunded in full.



W1AW transmitter building

**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