



November, 2002

Vol: XXXI

Issue: X

CARS CHRISTMAS PARTY

Yes, fellow members, once again it is “*that*” time of year again. The HOLIDAY SEASON! And that means it is time for the annual CARS Christmas Party! This year it is going to be on Saturday, December 21st. at the Independence Civic Center, located on Selig Dr. in Independence Ohio. Selig Dr. is located off Brecksville Rd. just down the road from where we hold the Amateur Radio licence test sessions.

See the flier located on page nine of this newsletter for further information. You can make your reservations at the next meeting, by mail, or by going to the CARS web page at www.cars.org and filling out the reservation form there.

It promises to be a fun evening, enjoying the Holiday time of year with your fellow CARS members, just before the **BIG DAY!** Hope to see you all there.

A FEW WORDS FROM THE EDITOR

Once again I am begging the membership for contributions to the newsletter. It is a hard enough job to edit the newsletter...deciding where and how things should be placed and in what order etc. but I need items to fill the pages! Articles and photos related to Amateur Radio. We won an award for our newsletter this past year and I want to keep up the high standard we have become accustomed to! I don't want to have to resort to using

articles from other sources such as QST and ARRL Bulletins, like a lot of other newsletters do. I want our articles to be, for the most part, original. I know there are a lot of you out there that have ideas for articles. Just sit down and write it out. Don't worry about spelling, grammar, or even grammpar, for that matter! I'll take care of that. Just put down what you are interested in or know about. What about that new (or used) rig you just became the proud owner of? Maybe just an article on what interests *you* have in this great hobby of ours? Could there possibly be a short fiction story regarding ham radio lurking in the dark corners of your mind? Or perhaps you have some things about Amateur Radio that are bothering you and you would like to get off your chest! Yeah!

All you have to do is sit right down and let it all out. You can send it to the editor via e-mail, floppy disk, CD, or even via the good ole U.S. Mail, although I prefer the first 3 ways, so I don't have to re-type your words.

So, c'mon everyone, get yourself published. The pay is not much....just recognition by your fellow CARS members.... but besides that it is fun to see your words and ideas in print!

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FROM THE PREZ'S SHACK

The October meeting, was the first time for Toby KC8TID to provide refreshments at a meeting and he did a great job, thanks Toby.

Kayla, KC8RYH collected \$54.00 for the 50/50 drawing this month, Steve, N8IS was the winner and took home a easy \$27.00. We had 2 more drawings with Kayla, KC8RYH winning a hat and Dennis, AB8NI getting a world map, congratulations to all.

Please contact Mike K8EHP or David W8IXY or sign up on the CARS web site: www.cars.org for tickets & complete info regarding our Christmas party. At this writing we have 17 confirmed. Keep up the good work guys!

Have you looked at your web site www.cars.org lately? Dave, K8DAV has new information and activities on the site as they happen plus a fresh new look. Send Dave an e-mail with your suggestions or comments to k8dav@cars.org.

Nominees for our 2003 officers are: President - Bob, W8GC. V. President - Steve, N8IS. Treasurer - Mike, KB8UGT. Secretary - Ron, K8VJG and for the even year Board members (2 to be elected) incumbent George, K8KR, with Gary, NI8Z and Dave, W8IXY.

If you know someone interested in getting a Ham license or upgrading to a General class license, CARS will start our 2003 Technician class on Wednesday January 22, 2003. The general class on Tuesday February 11, 2003 and CW class Wednesday March 19, 2003.

Go to www.cars.org for details and a registration form or call Gary NI8Z at 216-642-8705. Our 2002 classes were a quite a success, please support this effort in any way you can, maybe donate a night or two to help out at class, maybe you a friend or acquaintance can attend one or two of the class's, or just talk it up on the air any help you can give will be much appreciated.

As this will be the last WO in 2002 I would like to thank everyone for their support during the last two years, especially the committee members and officers. It has been a real privilege to work with you! I am looking forward to a busy and exciting year for CARS in 2003.

To those who can't make the next meeting November 20, 2002 or the CARS Christmas party on December 21, 2002 I will take this opportunity to wish you a happy and safe holiday season.

de, Bob W8GC

MEETING MINUTES, OCTOBER 16, 2002

President Bob Check, W8GC, called the meeting to order at 7:35PM in the Busch Funeral Home Community room.

Steve N8IS, moved we accept the minutes of the September meeting as listed in the W.O. Terry KB8DTC, seconded. A vote was taken and the minutes were accepted as printed.

Mike, KB8UGT, gave a treasury report. Bob, W8GC, reported that the Board has voted to purchase a new SteppIR vertical antenna for use on the SS Mather. The work to be done as soon as possible.

A report on the Christmas Party was made by Dave, W8IXY, see www.cars.org web page for details and sign-up form.

Gordon, W8GTK, reported on the Wednesday night net.

A discussion on upcoming Lighthouse activity was opened by Dennis, AB8NI. Nothing firm at this time.

Tom, WB8N, reported he has sent out about 275 Lighthouse QSL's so far and displayed several of the QSL cards received so far at the meeting

A report on the CARS Website was given by Dave, K8DAV. To view this fabulous website go to www.cars.org.

Tom, WB8N, informed us on the Diabetes Walk-A-Thon held on Saturday, October 5, 2002.

The next VE session is to be given on Sunday, November 10, 2002 as reported by Gary, NI8Z he stated all dates for 2003 have been scheduled except for May. Gary also stated we have scheduled the dates for Technician & code classes beginning with Technician classes running January 22 thru March 12, 2003 and code classes March 19 thru April 16, 2003. Check www.cars.org for details and a sign up form.

Kayla, KC8RYH, entered in the Independence Home days Cookie Baking contest and won first place. Nice going Kayla.

A report on the Wade Park amateur radio station was given by Gary, NI8Z.

Nominations for Officers for the year 2003 were opened by Bob, W8GC all nominations were moved and seconded. President: Bob W8GC, Vice President: Steve N8IS, Secretary: Ron K8VJG,

continued next page....

Treasurer: Mike KB8UGT. Board Members for even 2 year term: incumbent George K8KR, Gary NI8Z and Dave, W8IXY (only 2 to be elected)
A reminder that elections will be held at the November 20th meeting.

The 50/50 raffle was won by N8IS, Steve and the club each received \$27.00. A second drawing was for a Yaesu hat won by Kayla, KC8RYH, and a third drawing for a World Map was won by Dennis AB8NI.

A motion was made by Dennis, AB8NI, and seconded by Terry, KB8DTC, to close the meeting. A vote was taken and passed. The meeting was adjourned at 8:24PM by Bob, W8GC.

Following the meeting a video VP8GEO, South Georgia was presented.

Secretary: Ron, K8VJG

LOST

Sandy Carney, KB8UOC has lost the case that holds the AAA batteries for her hand-held radio. She thinks that she might have lost it at one of the search and rescue drills with the dogs. If anyone might have found it and didn't know who it belonged to, please give a call to one of the board members and we can get it back to her.

TRIVIA QUESTION

Why is lower sideband (LSB) used on the 80/40 MHz bands and upper sideband (USB) used on the 20/15/10 MHz bands?

1. Due to methods used to obtain SSB (single sideband) by mixing signals.
2. Natural evolution in the Amateur Service.
3. Gentleman's agreement when SSB became popular.
4. FCC rules and regulations require that it be that way.

Answer found elsewhere in this issue.

PUBLIC SERVICE

On Saturday, October 5th, Several CARS members took part in the annual Diabetes Assn. Walk For Diabetes. The Diabetes Assn. was a little late in getting in touch with us this year, but they did, requesting our help with communications, which we have provided for the past several years.

Nine CARS members volunteered and arrived at the Nautica Stage area on the west bank of the Flats at around 8:00 A.M. on a rather windy and cool October morning. Those that volunteered are: Bob Check W8GC, Kayla Check KC8RYK, Dave Dressler KD8V, Steve Riley N8IS, Ev Chitester W8EYF, Dave Morley W8IXY, Mike Cegelski K8EHP and his wife Mary, Toby Kolman KC8TID, and Tom Wayne WB8N. Thanks to them for coming out, especially on such short notice.

There was a great turn out of walkers for the event and the weather was sunny but cool. The walk went well, with no mishaps and was completed before noon. Afterwards there was food and refreshments for everyone, entertainment, and a prize drawing. No one from CARS won anything.

Everyone knows, or is related to someone with diabetes, if they don't have this terrible disease themselves. It is a worthwhile cause to be associated with and CARS is proud to be able to be a part of this event. We look forward to doing it again next year.



SEARCH AND RESCUE (This Is Not a Drill !)

On Halloween night a call was received requesting volunteers to respond to a request for assistance by the Great Lakes Search and Rescue Team.

The call came about 7:30 P.M. and was made by Steve Hnatiak, KC8IVD to Tom Wayne, WB8N. Tom put out the call to several persons who had trained with the GLSAR in their past drills. He managed to find two members of CARS who were available and willing to come out to assist.

Sandy Carney, KC8UOC and Gary Dewey, NI8Z were responding from the warmth of their homes to the Brecksville Veterans Hospital which was to be the headquarters for the search. There was a Ham from another club and a member of the team who was at the hospital already and would act as net control.

The object of the search was an 80 year old male patient at the hospital who had walked away earlier in the day. He had been seen around hospital grounds, but now could not be found, so the GLSAR team had been called out.

Gary was first to arrive, soon to be followed by Tom. They proceeded to the GLASR room located on hospital grounds and were informed of the scenario. There were two search teams (human and dog) out on the grounds of the hospital searching already, and they were about to begin searching off the hospital grounds, which is why they wanted our communications assistance.

Shortly after Gary and Tom arriving however, one of the GLSAR members came into the building stating that the walk-away patient had been located.

It seems that he had managed to get himself a ride from the hospital (possibly hitch hiking on Brecksville Rd.) and had made it down to some bar in the flats.

He had called his son and told him his whereabouts and the son had in turn notified the hospital officials.

A call was made to Sandy, who had not yet arrived, to call her off. Luckily, she was just about to leave her driveway and head for the hospital when she was notified.

CARS was glad to be of assistance in this situation, even though our help was not actually needed. The situation ended on a good note.

Gary and Tom were not finished however. They were informed that because the dogs were out hunting for the lost person, and were not able to find him, they

needed to feel that they had accomplished their mission.

So...Gary and Tom were set out on the hospital grounds as "victims" to be found by the two dogs. It wasn't long before team TI (named after the dog) was looking for Gary, after sniffing his scent from a pair of gloves Gary had left for this purpose. Gary was found in short order. Team Alfie found Tom soon after following the scent from Tom's hat.

Thanks to Steve, Gary, Sandy and Tom for their efforts. We will be ready for the next incident, whenever and wherever it happens.

This is why it is important to keep your hand-held battery charged at all times, and if possible have a spare. You never know when the call will come for our assistance in a life and death situation such as this could have been had it not ended so well.

The GLSAR operates out of the Brecksville V.A. Hospital, but is on call to assist law enforcement and other public service agencies when requested. They in turn rely on Amateur Radio operators for assistance with communications. They do have several Amateurs in their group, but more are needed in a real situation.

Several CARS members have taken part in GLSAR drills in the past few years, and those that have know the importance of this service we can provide when called upon.

ANSWER TO TRIVIA QUESTION

The answer is No. 1.

Due to methods used to obtain SSB by mixing signals.

Explanation:

When SSB was first being used, it was produced by mixing signals together and then filtering them to achieve the desired result. As a result of this mixing, the signals on 14/21/28 MHz came out inverted from those on 160/7 MHz.

Trivia question and answer taken from the QRZ database.

THE RANDOM WIRE

By Tom Wayne, WB8N

BACK HOME AGAIN

Yes, I am back from my little trip to the Caribbean Island of Sint. Maarten/St. Martin. The weather was great, the ocean fantastic, and the resort good as well. The last time we were there, about 2 ½ years ago, they were in the process of building a new pool at the resort, which was rather inconvenient. This time everything was finished except for some new construction going on at one end of the resort.

We had a great unit, with a unobstructed view of the ocean. I would have liked to have been on the top (3rd) floor so I could get my antenna a bit higher, but this was not possible I was told, as the resort was sold out.

I set up my modest station on the patio, about 50 feet from the 20 foot cliff above the ocean. (This was great for sleeping at night. We would leave the patio doors open and listen to the surf crashing against the rocks below) My station consisted of a switching power supply which powered my Alinco DX-70 Transceiver at 100 watts. The antenna was an MFJ portable telescoping vertical antenna/tuner combination. This is the same setup I used in the Bahamas a year and a half before. I had pretty good luck making contacts then, but that was not to be the case this trip.

Ten and twenty meters were open, but although I had a good match between the antenna and the rig, and could hear stations from stateside, for the most part, they could not hear me! I did make a few contacts with stations in Massachusetts and Florida, and some in the Caribbean, that was about it. Talk about frustrating! The only answer I can come up with is my location on the island. I was on the eastern side, looking directly at the island of St. Barts. My antenna was practically at sea level, and just on the other side of the building I was in, was a very large hill. Oh well, better luck next time I guess.

Other than that the trip was very relaxing. We spent every day at the beach and the pool, and almost every evening went out for dinner and hit a few casinos. No we were not lucky.

I did meet up with Mort Bardfield, PJ7UQ/W1UQ and his son David, PJ7DB/N1DDD while there. I'd had correspondence with Mort and David via U.S. Mail and e-mail earlier in the year, and knew that David would be on the island, if not Mort. As it turned out, I made contact with Mort on Monday morning on

the island repeater PJ7R on 146.76 MHz. He gave me the address of his business and invited me to stop by.

One late afternoon while my wife was at one of the casinos, I located Mort's office and met him just as he was walking out the door. He took me into his private office and we sat chatting for a short while until his son David walked in. Mort introduced me to him and the three of us chatted about radio and the island for over two hours. They invited me to go up to their own private ham station up on the top of a nearby hill later in the week, but we were unable to hook up. I really would have like to have operated from there, but again, maybe next time.

Mort spends most of his time at his home in Massachusetts and David takes care of their business in Sint. Maartin. They are in the "communications" business, having set up cellular service on the island several years ago.

As all good things must come to an end, we had to leave our Caribbean paradise and head back to cold and damp weather at home. It was good to be back home though and I am already thinking about our next trip, where ever that may be.

ANTENNAS

Time is running short to get that last minute work done on your antenna systems. The weather is holding out so far, but it won't be long before it will be too darned cold to do much, especially any soldering! As I sit here writing this, I can see the leaves falling from the trees, the sun is shining, squirrels are running around gathering acorns, and the Cleveland Browns are losing to Pittsburgh! I still have some antenna work I want to get to before it gets to be nasty weather. Hopefully in the next few days. I know of a Ham whose call is NI8Z who wants to get some antenna work done asap as well, and with any luck we can get that accomplished soon as well! Right Gary?

SO IN CLOSING....

It is time to say 73 for now. Hope to catch you on the net (when I can remember myself) and/or at the next meeting or on the air. C'mon folks, don't be afraid to get on the repeater on the way to and from work or even while you are puttering around the house.

de Tom, WB8N

WHAT CAN ALL THOSE ALUMINUM CANS DO ?

By Tom Wayne, WB8N

I realize that this is not Amateur Radio related, but it is a subject near and dear to my heart, being a retired fire fighter.

Since 1988, the Northern Ohio Fire Fighters, to which all of the Cuyahoga County fire departments (as well as some outside Cuyahoga County) belong, have been involved in the Aluminum Cans for Burned Children, or the ACBC program.

ACBC is a non-profit aluminum beverage can recycling program founded by the Northern Ohio Fire Fighters (NOFF) and the Northeast Ohio Fire Chiefs Association. The proceeds are used for fire safety education, a summer and winter camp for burn survivors and to buy non-medical items not covered by insurance. They also provide a scholarship program for burn survivors. 90% of the Foundations income comes from recycled aluminum cans. That's a lot of cans! It takes 26 cans to make one pound of aluminum. Each pound of recycled aluminum is currently worth about 25 cents. The reason this program is so successful, is that many fire departments participate in helping collect cans by providing space for drop off points at the fire stations.

One of the goals of the ACBC program is to educate young children about the dangers of playing with matches/lighters and show them what to do if there is a fire in their home. This is done by the Fire Safety House which is owned and operated by the NOFF. The Fire Safety House is a 28-foot trailer built to resemble a two-story house. The NOFF operate two houses, which provide fire safety education to over 3,000 northeast Ohio school children per month. The houses are reserved through the NOFF office, usually by schools and for community events.

Every winter and summer, burn survivors from age 5 to 16 have been able to enjoy a free, four-day retreat at Camp Phoenix, which is operated by ACBC and the staff of the Burn Unit at Cleveland's Metro Health Medical Center. Another camp is Camp Christopher. At these camps the kids can swim, hike, do crafts, play sports, go tubing, etc. This summer, the kids were treated to a day at Six Flags and a day at Jacobs Field. In the evenings, different fire department members helped out by treating the kids in making their dinners at camp something special. In the winter, with the help

of firefighter volunteers, the kids are engaged in such activities as tobogganing and bowling.

ACBC also provides up to \$10,000 in scholarship for burn survivors. This provides a young adult with a burn injury, help in completing their education.

Not only does the program receive help from almost all of the area fire stations in collecting aluminum cans, they also get help from some of the biggest businesses in the area. Some of these are NASA, Ford Motor Co. And Chevrolet, just to name a few.

How can you help? Well, instead of recycling your aluminum cans to the trash each week, keep them separate from the other recyclables and take them to your local fire station. If you are not sure your local fire department collects cans, give them a call at their non-emergency number. The kids who are burn survivors will be grateful!

REMINDER FROM THE TREASURER

CARS Treasurer, Mike, KB8UGT wants to remind everyone that dues are coming due at the end of December. You can get them in anytime before the end of the year, starting now! Either pay your dues at the next meeting or send them to Treasurer, Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence OH 44131-0264.

Northeast Ohio Public Service Volunteers Website

We have established the Northeast Ohio Public Service Volunteers Website located at:

www.neopsv.org.

This website is designed to be a location for individuals interested in volunteering their services for Disasters and at Public Service Events throughout Northeast Ohio to obtain information pertaining to upcoming and past events. In addition, this will also be a location to solicit for volunteers by the event sponsors and/or volunteers who require assistance at an event. This website will help to match Amateur Radio and EMS Volunteers to opportunities available in the Northeast Ohio Area. In addition, two mailing lists (NEOPSV-Talk & NEOPSV-Events) have been

continued next page...

established for volunteers to discuss upcoming events and be notified when an event sponsor requests volunteers. Information on subscribing can be found on the website.

Please do not hesitate to contact me with any questions and/or comments at tjpowell@neopsv.org or tjp@tjp.com.

T.J. Powell, PE, EMT-B, N8UIR
<http://www.tjp.com/>

GREAT LAKES of OHIO SEARCH & RESCUE DRILL

The Great Lakes of Ohio Search and Rescue K-9 Team (GLSAR) will be having a training session on Saturday, November 16th, 2002. The location will be at 3594 Kreighbaum Rd. in Uniontown, Summit County from 8:00 A.M. until 4:00 P.M.

Anyone who would like to help out with communications for this drill can contact CARS member and GLSAR Communications Officer, Steve Hnatiak, KC8IVD via e-mail at hampeacemaker@aol.com. The contact/working frequency for the drill will be 147.480 MHz simplex.

*BEST WISHES (73) STEVEN M.
HNATIAK (KC8IVD)/(GLSAR/
Communications Officer.)*

OTHER MEANINGS FOR "FIELD DAY"

HAVE A FIELD DAY---Have a particularly enjoyable day.---"I'm having a field day."---

19th century. An occasion when troupes gathered onto open ground for a grand review.--- William Thackeray (1848).

The Book of Snobs. "The mean pomp and ostentation which distinguish our banquets on grand field days."

Or in the military, when the drill Sargent said you were going to have "field day" which meant the complete cleaning of the barracks and grounds surrounding the barracks.

Submitted by W8GC

VEEP'S VIEW

This will be my last Veep's View article for the Wobbly Oscillator, but it most likely will not be the last of the editorializing you hear from me. Like most of us, we get busy and find that there is less time and more things to do to fill up the little bit of time we have.

But we have some classes in preparation for 2003. If you have not seen it in other parts of this newsletter the C.A.R.S. activities for the year 2003 start at a brisk pace. There seems to be lots of projects lined up all with the idea to help create new hams and to grow others. There will be an eight week Technician class, a six week CW class, and we have added a four or five week General instructional class to our calendar. So if you know of anyone looking for this kind of instructional assistance or if a member wants to have a way for a member of their family to become interested and participate in the fun of amateur radio, pass on the word.

This will help fill up the dreaded slow winter months. So plan ahead.

Our web page has seen a massive overhaul. How many of you have looked at it? Amateur radio and the internet are very much tied together for information transfer. Check out www.cars.org.

What an experience Halloween was! After having a full evening of little and sometimes big trick or treaters, I was called around 7:50pm to assist in finding a missing person. It is kind of scary just to think that I was getting involved in a real search and rescue operation. The reality of it was the person was found, not necessarily due to the superb efforts of the rescue team. However the response was made on a timely basis. People knew where to show up, dogs and handlers were there, amateur radio communication was serviceable. This is part of amateur radio being of service to the community. This helps in the effort to keep our frequencies. As you may or may not realize, every bit of frequency spectrum is available to the need of showing its used and useful. C.A.R.S. supports this activity but at this time we could use a least five to six

continued on next page....

more ready-to-go operators to assist in call-outs and the training exercises.

The slate of candidates for officers and the board look strong for another outstanding year of C.A.R.S. activity. Everyone should get a hearty ovation for those agreeing to function as the rudder to the C.A.R.S. ship.

Speaking of ships, the Mather is just about ready for an equipment infusion and a new antenna. This is just another of the projects on the C.A.R.S. calendar. Stayed tuned for others that will be coming up.

73, and Happy Holidays
de Gary Dewey, N18Z

The GEARVAKf (the f is silent) Bulletin

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OHIO EPA E-CHECK TARGETS HAMS !

The controversial Ohio Automobile E-Check Program is including special Radio E-Check tests in its biennial auto emission checks before license tags are issued.

Hams must permanently cease emitting radio waves. Ohio's unique orange Radio E-Check license tags will not be issued unless hams (1) turn in all their mobile ham radios and (2) take all ham antennas off their cars.

Said Ohio EPA spokesperson Delicia Pygg, "Radios is dangerous. We wanna make life miserable for hams. They got a attitude. They think their radios make 'em better than us. Well we'er gonna punish them wierdos for bein' so uppity! Them that don't like our Radio E-Check Program oughta be shot!"

Hams can get special dispensation from the E-Check Gods however, by showing a copy of their official FCC license, and paying a \$2000.00 under the table fee upon inspection.

Said Ms Pygg, "That oughta show them uppity Ham Radio wierdos! We can't just let any radio freak be runnin around exposing everyone to them dangerous radio waves that go shooting out of their antennas stuck on their cars. Why who knows what that might do to the youth of our land? It might make em wanna go out and get a license for cripes sake!"

2002 COMMITTEES & OFFICERS

American Red Cross Disaster liaison

Ev WA8EYF ** 216-581-3657

ARRL Liaison/media representative

Marc, KB8QHJ ** 440-717-0846

CBARC/Liaison

Dwaine, K8ME 440-582-3462

Community Education & School Program

Dave, KD8V ** 330-666-8721

Steve, N8IS ** 216-328-9276, Ron K8VJG

Dayton Bus

Gordon, W8GTK ** 330-225-6917

Digipeater

Tom, WB8N ** 440-232-4193

Elmer

George, K8KR ** 216-941-5304

Field Day

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

Phil K8MPL, Bob W8GC, Steve N8IS, Gary N18Z,

Holiday Party

Mike, K8EHP 216-252-6640 ** Dave, W8IXY **

Jamboree on the Air

Paul, KC8AMD ** 440-237-8116

Lighthouse events

Dennis, AB8NI ** 440-974-1087

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

Museum Ship W. G. Mather W8WGM

Bob W8GC ** 216-524-1750 Lin WD8SDP **

Steve N8IS, Gary N18Z, Bob W2THU, Mike K8EHP, Dennis AB8NI, Mike

KB8UGT, Bruce N8DJX

Membership

Ron, K8VJG ** Bob Check, W8GC

NET

Gordon W8GTK ** Gary N18Z, Tom WB8N,

Toby KC8TID, Kayla KC8RYH

WO/Newsletter

Tom, WB8N ** 440-232-4193

Program director

Gary, N18Z ** 216-642-1399

CARS QSL manager

Tom, WB8N ** 440-232-4193

Refreshments & 50/50 at meetings

Ron, K8VJG ** 440-237-6718 Kayla, KC8RYH

Sunshine (welfare)

Aaron, KC8INE ** 440-526-9705

Technical

Roy, KB8VJF ** 330-468-3020

Vince, N8OVW ** 216-635-2579

VE exams and Ham License classes

Gary, N18Z ** 216-642-1399

Web Master/e-mail

Dave, K8DAV ** 440-243-3593

Bob, W8GC ** 216-524-1750

** chairman or co-chairman

Board Members

Even Year Executive Board;

George, K8KR 216-941-5304

Steve, N8IS 216-328-9276

Odd Year Executive Board:

Gordon, W8GTK 330-225-6917

Terry, KB8DTC 330-273-1043

K8ZFR trustee

Tom, WB8N 440-232-4193

NO8A trustee

Bob, W8GC 216-524-1750

2002 Officers

PRESIDENT

Bob, W8GC 216-524-1750

president@cars.org

VICE-PRESIDENT

Gary, N18Z 216-642-1399

vicepresident@cars.org

SECRETARY

Ron, K8VJG 440-237-6718

secretary@cars.org

TREASURER:

Mike Balach - KB8UGT 216-663-2717

treasurer@caars.org



Cuyahoga Amateur Radio Society Christmas Party

6363 Selig Dr.
@ Independence Civic Center

December 21 2002

6:00 PM-10:30 PM

Catering Provided by
R&K Sausage

Adults \$16.00, Children 6-12 \$10.00



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