

# The Wobbly Oscillator Cuyahoga Amateur Radio Society



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

JANUARY 2008

VOLUME XXXV

ISSUE I

## PRESIDENT'S THOUGHTS

Although we had no official meeting in December the club had two events worth talking about. The first was the visit to the multi-operator contest station of K3LR, near Sharon Pa. Unfortunately, due to space restrictions, the tour was limited to the first 25 members to sign up. I hope in the future we will be able to repeat so more of us will get the opportunity to see this great set-up. The tour was conducted by the station owner himself Tim Duffy who had been one of the presenters at our recent Great Lakes Convention, Tim was ably assisted for the internal part of the tour by Scott (N3RA).

We were escorted all over the Antenna Farm with everyone envying the 200 foot creations and some day hoping to have the choice of directional coverage that these spacious creations afforded.

The internal control positions had every gadget that any active DX'er could wish for, with the best transceivers and amplifiers. Tim himself told us that the contest operators are hand picked and are the last ingredient as proved by the mass of 1st Place contest certificates wallpapering the walls of the Shack.

After thanking our host we all met for lunch at the original "Oil and Lube" restaurant. Some continued on to view Christmas displays at a local mall others headed back to the turnpike with the help of one members GPS unit.

There are some pics from the trip elsewhere in this issue

The Christmas Party was our other event (instead of the Dec. meeting) Hearty congratulations to the committee members who

arranged the event.

The choice of caterers was great (the food was warm and wonderful) the Ladies did a swell job of providing a good selection of deserts . Zap kept us all smiling with his new acts and the newly weds were great sports with his teasing! As usual, the awards and gifts were well received and it gave everyone present an opportunity to applaud Bob, W8GC for his eight year tenure as club president and the job he has accomplished in forging the club into the structure it has today. Bob as you know taken over the Treasurers position so we do not lose his financial guidance.

The New Year will have some changes and I know I can rely on Bob's help to make the transition as smooth as possible. Looking forward to seeing you all at the January meeting. We will be voting on some Constitution and By-Law changes. All the best to all of you for 2008.

73, de Scotty, WA8SLN

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## NOVEMBER MEETING MINUTES

The C.A.R.S. November monthly meeting was called to order at 7:30 PM by President Bob Check, W8GC, on the 13<sup>th</sup> of the month. The meeting was held at the Busch Funeral Chapel Community Room in Parma, Ohio. Thirty-five members and three guests introduced themselves to begin the meeting.

Matt, W8EBB, motioned to accept the October meeting minutes as published in the *Wobbly Oscillator*, and Mike, KB8UGT, seconded. There were no additions, corrections, or questions noted, and the members passed the motion.

Tina, W8HBI, gave the Treasurer's report of the treasury balance. She mentioned the club would now have to file with the IRS, due to new security regulations resulting from 9-1-1. She reminded everyone to purchase tickets for the December 15<sup>th</sup> Christmas party. Tina also brought samples of coats featuring the C.A.R.S. logo. Members will be able to order the coats on the club website.

Preceding the election, Tina, W8HBI, and Mike, KB8UGT, had their names removed from the nominees for Secretary. Steve, N8IS, withdrew as a nominee for Board member. Bob, W8GC, nominated Mike, KB8UGT, for Board member. Since all officer's positions were unopposed, Terry, KB8DTC, motioned to declare those positions elected. John, K8RWR, seconded, and the members voted on and passed the motion. The officers for 2008 are Scotty, WA8SLN, President; Toby, WT8O, Vice President; Bob, W8GC, Treasurer; and Steve, KC8DJV, Secretary. After the ballots were counted, the three Board members for a two year term will be Dave, K8DAV; Ron, K8VJG; and Mike, KB8UGT.

Scotty, WA8SLN, in his last meeting as Vice President, encouraged anyone interested in becoming involved with a committee to see him. He reminded everyone the only requirement to be a committee member is to be a C.A.R.S. member. He also thanked the club for sending him a get well card following his eye surgery.

Bill, KC8YSV, introduced Dave Distler, KN9E, from Coaxial Dynamics who would be giving a presentation after the meeting. He also reminded everyone C.A.R.S. dues will be due in January, and for those renewing their ARRL dues, to please pay them through Tina, in order for the club to receive it's commission. Bill reported on the Copley Middle School radio club, mentioning that advisor Brad Bennett's, KD8BBS, father recently passed away. The elder Mr. Bennett was a long time ham and contributed much to the students in the club. Bill concluded by saying the school club had recently replaced it's sickly Carolina Windom antenna with a multi band Comet vertical donated by Gary, NI8Z. He was happy to report the new antenna was working much better.

The VE team report was given by Gary, NI8Z. Sunday the 11<sup>th</sup>, six people were tested and five passed. He commented about how far some people traveled to take their test. Gary said during 2007 the VE team tested sixty-eight applicants, and fifty-three upgraded or obtained new licenses. He thanked all the VE team members for the great job they always do. Gary announced in 2008 six VE sessions would be held on the second Sunday of each odd month at the Old Town Hall in Independence, plus any necessary sessions for the license classes and at the Copley school club. Bob, W8GC, thanked Gary for his effort over the years leading the VE team and appreciated Gary's commitment to continue in the future.

Bob, W8GC, announced and explained the basic operating skills classes, which will begin early in March. The classes will be held at the Independence Civic Center, and details will be posted on the C.A.R.S. website. Scotty, WA8SLN, encouraged everyone who is, or involved with someone who is, planning to submit an application to the scholarship committee, to please do so as soon as possible, to give the committee adequate time to review the applications.

Toby, WT8O, thanked the net controllers,  
*continued on next page...*

George, K8KR; Tom, WB8N; Mike, KB8BMY; and Gary, NI8Z; for their efforts during the year. All nets were on schedule, with one exception resulting in a thirty minute delay. In that case, George, K8KR, stood by while teamwork from Dave, K8DAV, and Vince, N8OVW, got the repeater up and running. In an effort to promote club participation in the nets, Gary, NI8Z, asked for a show of hands of those present who have two meter equipment that would allow them to check into the nets. Toby also read a reply Ed, KD8CLC, received from his Congressional Representative from his letter in support of HR 642, the Amateur Radio Interference Protection Act of 2007. He commended Ed, and encouraged everyone to follow his example to support any legislative actions helping the hobby.

The *Wobbly Oscillator* editor, Tom, WB8N, reminded the members there would be no December issue, so there would be plenty of time to get contributions in for the January issue.

Tech chairman, Dave, K8DAV, reported the faulty cable that caused the net delay has been replaced. He also mentioned he would be unable to continue to do the net check-in tally. Gary, NI8Z, volunteered to perform the task.

After a brief discussion, Friday, August 22<sup>nd</sup> 2008, was chosen as the date for the annual C.A.R.S. summer picnic.

The sacred club ritual resulted in the acceptance of Jack Malloy, WA8Q, who was voted in as a C.A.R.S. member.

Bob, W8GC, presented the group with recommendations the Board of Directors made after reviewing the C.A.R.S. Constitution and By-Laws. The changes will be discussed and voted on at the January 2008 club meeting. In the By-Laws, Article II – MEMBERSHIP, Section 2, the suggested change is a family membership will read \$5.00 per year, rather than 25%. In Section 6 the membership status will read the Treasurer will maintain the status, rather than the Treasurer and Secretary. In Article III – DUES, Section 1, will read \$5.00

for family members, rather than 25%. In Article V – ELECTIONS, Section 1, will read nominations shall be submitted at the Regular Meeting in October, rather than September and October. In Article X – CARS SCHOLARSHIPS - Section 1, will read the Secretary will notify the awarded recipient(s) and other applicants, rather than the awarded recipient(s). In the Constitution Article III, Section 3 will add the stipulation a member who has been convicted of a felony will not be eligible to serve as an officer. Article III, Section 4 will be rewritten to describe the duties of the officers. Article IV, Section 1 will state the Chairman of the Executive Board will be selected from one of the six elected Board members. Section 2 will be changed to read the License Trustee will be appointed by the President and approved by the Board. The Statutory Agent shall be the Treasurer. Section 3 will redefine the duties of the License Trustee and Statutory Agent. Section 6 will remove the requirement for the Property Custodian to provide keys. Article VIII, Section 1 will be changed to read all members will be notified in the WO or by e-mail of the intent to amend the Constitution prior to the vote meeting.

Several items that were donated to the club over the last year were auctioned off in a lively session that resulted in some great bargains for the value conscious members in attendance.

The 50/50 raffle was held, and Tedd, KB8NW, the lucky winner collected \$32, with \$32 going into the club treasury.

Before closing, Bob, W8GC, thanked everyone for their help and cooperation over the last eight years he served as President. It was quite certain in the minds of all present was the thought, “Thank you Bob for all you have done to make C.A.R.S. the great club it has become,” as a sincere round of applause followed.

A motion to close came from Steve, N8IS, and seconded by Terry, KB8DTC. The motion was passed and the last meeting of 2008 was adjourned at 8:36 PM.

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Following the meeting, a presentation was given by Dave Distler, KN9EE, from Coaxial Dynamics. Dave explained the development of his company's watt meter, as well as a history of the company and the market in general.

Respectfully submitted by Toby Kolman, WT8O, C.A.R.S. Secretary.

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### SOME PICS FROM THE K3LR TRIP



W8GC & some of the many QSL cards on display



The crew that made the trip.



A shot of some of the operating positions.



KB8NW looking in amazement!  
(He is quite a DX'er himself and president of the NODXA club.)



Some of the many antennas.

### A GENTLE REMINDER

Sign up now to upgrade your license or tell anyone you know who may be interested in becoming a ham that the CARS 2008 Ham Radio classes for Technician, General and Extra license are starting January 8 and ending February 19, 2008.

Classes will be held at the Independence Civic Center, 6363 Selig Dr. in the RED OAK room at 7:00 pm every Tuesday. The 1st night only January 8, 2008 to register please arrive between 6:15 and 6:30pm.

Class fees: Technician \$25.00, General and Extra \$20.00 non CARS members and \$15.00 CARS members cost includes all class materials.

To be put on the list, follow the link at [www.2cars.org](http://www.2cars.org) and fill out the application. Or, call Bob, W8GC at 216-524-1750.

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### ANOTHER REMINDER

Please remember all dues are payable in January of each year. Send your money to:

CARS  
P.O. Box 31264  
Independence, OH 44131-0264

Or you can pay your dues through PayPal using my email address of bob@2cls.

Just mark the info section for 2008 CARS dues. Regular dues are \$20.00. If you are 60 years of age or older or 18 or younger dues are \$12.00. Family members are \$5.00.

As always see the Treasurer at a CARS meeting to pay your dues.

73, de Bob W8GC  
Treasurer

### VUCC

#### VHF/UHF CENTURY CLUB AWARD

The VUCC is awarded for contact with a minimum number of Maidenhead 2 degrees by 1 degree Grid Locators per band above 50Mhz. Grid Locators are designated by a combination of two letters and two numbers. Example: EN91 is the Grid Locator for this area and all of Northeastern Ohio into Erie PA. The Qsl cards you receive, a lot of them have the grid location of the person you contacted on the card. If you make contact on a band above 50 MHZ, part of the signal exchange would be "I'm in Grid EN91".

The minimum number of grid locators needed to initially qualify for each individual band award is as follows:

50 MHZ, 144 MHZ & Satellite = 100 Credits or grids.

222 MHZ, & 432 MHZ = 50 Credits or grids.

902 MHZ, & 1296 MHZ = 25 Credits or grids.

2.3 GHz = 10 Credits or grids.

3.4 GHz and above = 5 Credits or grids.

There are no specialty endorsements such as "CW" only. In addition, Satellite communication is considered a valid "VUCC" award. All credit for Satellite both above 50 MHZ and below 50 MHZ are credible for "VUCC". Satellite is the only "VUCC" award which allows credit for under 50 MHZ, There is one more final requirement. To qualify for "VUCC" award, you must have ARRL Membership for all US & possessions and Puerto Rico.

So don't forget to count your grid squares, maps available from the ARRL.

Congratulations to Doug Papay-KC8CAO, son of John-k8yse for achieving "VUCC" on Satellite 100 grid squares. He only needs three more states for "WAS" on satellite, GO GET 'EM DOUG.

73, de  
WAS & VUCC Checker  
Dwayne -K8ME

## VOLUNTEER EXAMINER'S REPORT

Another year of testing for the amateur radio community as finished for the C.A.R.S. VE group.

The November test session was somewhat atypical, in that we had candidates come from Akron, Lore City, Uniontown, Wadsworth, and only one from Cleveland. This is indicating either the number of VE sessions are diminishing or our VE group has developed some notoriety for having one of the better testing facilities and VE crew in the area.

Recapping the year, the C.A.R.S. VE crew provided 8 test sessions.

Sixty-nine individuals took at least one written test. Actually 86 written elements were graded. Fifty-three upgraded or received a new license, a 77% success rate.

The Volunteers who are responsible and donate their time and expertise are: Roger Boehnlein, N8TCP; Ron Borkey, K8VJG; Robert Check, W8GC; David Kushman, W8DAV; George Pindroh, K8KR; Steve Riley, N8IS; William Sarver, KC8YSV; Lawson (Scotty) Shields, WA8SLN; and Tom Wayne, WB8N.

The schedule for 2008 has been arranged with the INDEPENDENCE TOWN HALL again. There will be at least 6 normal scheduled VE sessions. These dates can be found below and on the C.A.R.S Webpage.

Jan 13, Mar 9, May 11, Jul 13, Sep 14, Nov 9.

All dates are the 2nd Sunday of the odd month. Testing starts a 9 am. Special tests will be provided for our license classes and for our school project in Copley as needed.

Submitted by

Gary Dewey// NI8Z

VE Coordinator for C.A.R.S.

## RECENT ACHIEVEMENTS

Congratulations to Linda Sinko, N8LRS who recently earned her Worked All Continents award, and to her husband Metro Sinko, for earning his Five Band Worked all States award. Way to go folks!

*(If you have recently earned an award or made a noteworthy accomplishment, or if you know of a CARS member who has, let me know and we'll put them in the spotlight.....Editor.)*

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## WORLD WIDE AMATEUR NEWS

### MOTOROLA BUYS YAESU

Motorola USA has announced its intention to launch a tender offer to acquire a controlling interest in Vertex Standard Co, Ltd. Vertex Standard is the parent company of Yaesu. Motorola will own 80 percent of Vertex Standard; Tokogiken, a privately held Japanese company, controlled by current president and CEO of Vertex Standard Jun Hasegawa, will retain 20 percent, forming a joint venture. The total purchase price for 80 percent of the outstanding shares on a fully diluted basis will be approximately US \$108 million.

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### NEW DXCC ENTITY ANNOUNCED

The ARRL DXCC Desk is pleased to announce the addition of St Barthelemy (FJ) to the DXCC List, making the island entity number 338 with an effective date of 14 December, 2007. Cards with contacts dated December 14, 2007 or after will be accepted for DXCC credit.

New card submissions for St Barthelemy will not be accepted until January 1, 2008 in order to allow time for administrative adjustments.

The "event date" that caused St. Barthelemy to be added to the DXCC list was December 14, 2007, the date the US State Department Fact sheet was updated by the Bureau of Intelligence and Research. This update added St Barthelemy

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to the List of Dependencies and Areas of Special Sovereignty with its Administrative Center in Gustavia, qualifying it under DXCC rules in Section II -- 1 Political Entities ©. French St Martin (FS), while also added to the List of Dependencies and Areas of Special Sovereignty, will remain on the DXCC List, but it is now considered a Point 1 Political Entity under the same classification as that of St. Barthelemy.

Please direct any questions you may have about St Barthelemy, St Martin or the DXCC program to the ARRL DXCC Desk at, [dxcc@arrl.org](mailto:dxcc@arrl.org).

**AND IN RELATED NEWS.....  
NEW PREFIXES ANNOUNCED FOR  
BOSNIA/HERZEGOVINA**

In response to a request from the Ministry of Communications and Transport of Bosnia and Herzegovina in August, the International Telecommunication Union (ITU withdrew the call sign prefix allocation T9A-T9Z for Bosnia and Herzegovina and made a new allocation, E7A-E7Z. The change was made initially on a provisional basis under authority of the ITU Secretary-General and was confirmed by the 2007 World Radiocommunication Conference to be effective November 17, 2007.

According to International Amateur Radio Union ([IARU](#)) Secretary David Sumner, K1ZZ, the Ministry of Communications and Transport ([BiH](#)) held a press conference in Sarajevo on December 18 to formally announce the change. Minister Dr Bozo Ljubic explained the desirability of changing a prefix that initially was allocated during wartime and how it was now being replaced with one that has no connection to that troubled time; similar steps have been taken with regard to passports, drivers' licenses and automobile registrations, he said. Ljubic also observed that the costs associated with the change were minimal compared to the benefits. Amateur Radio station licenses bearing E7 prefixes will be issued beginning in January 2008, and the use of other prefixes will be phased out.

Sumner and [IARU Region 1](#) President Ole

Garpestad, LA2RR, of Norway, were invited to speak at the press conference. Accompanying them was IARU Region 1 Executive Committee member Nikola Percin, 9A5W, of Croatia. They expressed congratulations and support for the change, eliminating an issue that has complicated relations among the radio amateurs of Bosnia-Herzegovina.

Also invited to speak was Miroslav Nikše, President of the Union of Radioamateur Associations of Bosnia and Herzegovina (URAS), a recently formed umbrella organization of amateur radio associations based in different parts of the country. He thanked those involved in promoting the change.

In his remarks, Dr Ljubic pledged support from the Ministry of Communications and Transport to the umbrella organization for the development of Amateur Radio repeater and digital networks that would cover the whole of the country, enhancing emergency communications capabilities.

*(The above three news items were reprinted with permission from the ARRL Newsletter ....Ed)*

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**JANUARY BIRTHDAYS**

KC2BUA Gary Schmid 1-11-47  
K8JGR Jane Reed 1-11  
KD8DYI Pat Dressler 1-12-31  
W8EBB Matt Webb 1-14-84  
K8PP Fred Doob 1-15  
KC8YLC Mary Cegelski 1-22-52  
KC8DJV Stephen Jones 1-23-66  
K8AV Carl Beduhn 1-30-38

Congratulations one and all and many, many more!

## DX STORIES

By Paul Dumphy, VE1DX

### QSL Rules

Son of a Gun! We were sitting on the veranda in the early fall when one of the local QRPer made his way around the curve and beat his way up the hill. He was not happy. "I worked a lot of DX over the years, and lately I've been running into the same roadblock. I can't get a QSL. Or, more properly put, I can't get one on time, according to the rules!"

"What rules?", we replied, looking at the QRPer with our standard poker face. "Well", he replied, "I don't know if there are QSLing rules set forth by any organization, but I would think that I should get my QSL the same time as all the other DXers. And furthermore, why do I have to wait so long? If the operators of a DXpedition don't get the cards out right away, we miss our chance to submit them in time for the listings in the DXCC Yearbook. Until last February, we always could look in QST, but they don't list the DXCC standings anymore. Now I only have one chance to get listed . . . and if I miss the DXCC Yearbook, I have to wait a whole year to get another chance!"

We looked at the QRPer for a moment and thought about the discussion that had gone on in the DX community during the past 6-8 months. Why were the listings in QST missing? Some had said that it was because of a computer format conversion. We weren't sure what that was, but it sounded reasonable to us, the computer uninitiated . . . some of the more knowledgeable DXers who knew about computers weren't buying it. And a couple of the members of the Legion of HandWringers went so far as to say that we'd never see the DXCC standings in QST ever again. Their theory was that the DXCC listing pages had been replaced by advertisements. We weren't about to re-hash any of this again, so we looked the QRPer straight in the eye and repeated one of the Eternal Enigmas of DXing.

"The DXCC program", we began, "is an awards program offered by a radio club. A radio club that has its headquarters in

Newington, CT. You have chosen to participate in this radio club's awards program. If you follow the rules as they set forth, then you will be on equal footing with other DXers who also compete in this awards program. Understand?"

The QRPer was shifting from foot to foot. "Yes, I sort of follow you", he answered, "but isn't the DXCC program the top echelon of DX achievement in DXing. Isn't getting you call listed in the DXCC the pinnacle of DX achievement?"

"Maybe so", we replied, "but if the folks in Newington change the rules, and you are a member of the club, then you have to change your way of thinking with them. Follow the rules of the awards program, and all this will be equal. But remember, it's just an awards program offered by a radio club."

The QRPer looked at us for a moment then started with "But I thought . . ." We raised our hand and stopped him in mid-stream. "You are a DXer, son!", we said, standing up, "and DXers are the top echelon of Ham radio. Make no mistake about it. Stand tall! DXers are better looking, richer, more competent in their operating style and wiser than other Hams. DXers realize that their DX contacts are true-blue before any net controller or radio club gives it their blessing. They realize that no radio club can take away from their achievements by changing a date, or allowing or disallowing a QSL because of a technicality. Believe this, for it is the essence of a true-blue DXer! You know you worked the DX station. You will get a card! Don't let a radio club take away the enjoyment of DXing. They set the rules for their awards program, but they do not define a DXer! Understand?"

The QRPer looked at us for a moment, then said, "I never thought of it that way. I worked the DX. And I know it was a good QSO. Why do I have to prove it to anyone?"

"A good question." we replied, and we were silent. The QRPer was as well. He was deep in thought for several minutes, then he looked up at us and simply said, "Thanks." He made his

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way down the hill and around the bend in the road. We thought things over for a few moments and turned back to the rig. The flux had been good the past few days, but the Ap index was high and the bands were not that good. And even though conditions were poor, we tuned the bands . . . as DXers always do. The rare and exotic land were out there, ready to be worked. They always are. And will they send a QSL? Probably. And if they do not . . . who cares? Always remember, DX IS!

*(Submitted by W8GC)*

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### THE RANDOM WIRE

By Tom Wayne, WB8N

#### IT'S A NEW YEAR!

As we welcome 2008 as the new year, we are also welcoming some new officers of CARS, most notable, "Scotty" Shields, WA8SLN, who is our new president. Congratulations to him and the other new officers. I want to thank Bob Check, W8GC for his many years as our president. Bob brought our club forward and made it even greater than it was. Bob isn't going far away however. He will take over the duties of club treasurer So here's looking forward to a year of more events and activities for CARS. HAPPY NEW YEAR ALL!

#### EVENTS TO COME

Besides our usual list of events such as the Diabetes Bike-a-Thon this summer, Dayton Hamvention in June, and Field Day in June, the 3<sup>rd</sup> annual CARS Family Picnic, Diabetes Assn Walk in October, I am sure our officers and committees will come up with some new activities for us to take part in. Not to mention the next session of licensing classes being held by CARS. These will surely bring some new Hams into our great hobby and into our club as new members. The more the merrier!

#### SPEAKING OF MERRIMENT...

Those of you that missed the CARS

Christmas party in December, missed a good one! Besides Jack, WA8JAK providing music and karaoke (sp?) fun for us all, we had Zap the Magician back again amazing us with his feats of prestidigitation. The food was good and the spirits were high. Awards were handed out to those deserving, and everyone received a gift. It's just a good thing that the snow storm we had the next day held off as it did. Guess we can count our blessings.

#### THAT WRAPS IT UP

That'll do it for this month folks. Hope to see you all at the first meeting of the year, Tuesday, January 8. Come and meet the new officers and enjoy a fun filled CARS meeting. Until then, I'll catch you on the air. Don't forget the weekly CARS Net on Wednesday evenings at 9:00 p.m.

Until then, 73,  
de Tom, WB8N

*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 to the author, if known. All submissions should be e-mailed in .doc, .wpd, or .txt format to: [newsletter@2cars.org](mailto:newsletter@2cars.org) by the 26<sup>th</sup> of the month for publication in the next month's issue. By reading this you have committed yourself to at least two of the following: recruit a new member to C.A.R.S., bring an new person in to the hobby, to attend as many meetings as you can, to check into the weekly C.A.R.S. net, volunteer for at least one of the many C.A.R.S. committees.*

## CARS 2008 Officers & Committees

### Audit

WT8O \*\* W8HBI, K8KR

### Audio Video

Steve N8IS \*\* K8DAV

### ARRL Liaison & Media Representative

WT8O \*\*

### Awards

K8VJG \*\* W8HBI

### Christmas Party 2007

W8HBI \*\* NI8Z \*\* N8IS,

### School Programs

KD8V \*\* WA8SLN, K8VJG

### License classes

W8GC \*\* WT8O \*\* K8DAV, WA8SLN, K8VJG, NI8Z

### Development

W8GC \*\* All officers

### Diabetes events

WB8N \*\* All CARS members

### Field Day

WT8O \*\* All CARS members

### Good Operating Practices class

W8GC \*\* NI8Z, N8IS, K8KR, K8ME, K8YSE

### Interference & Jamming

K8DAV \*\* NI8Z, N8IS, W8GC

### Mentor/Elmer & Community Education

W8GC \*\* K8VJG,

### Membership

W8GC \*\* W8HBI

### NET

WT8O \*\*

### Newsletter

WB8N \*\* 440-232-4193

### Club Photographer

KB8BMY \*\*

### Program director

WT8O \*\*

### Property Custodian s

KB8DTC records, W8GC equipment

### QSL manager - NO8A, W8BM & WA8CMS

WB8N \*\*

### Refreshments

KB8UGT \*\* KB8DTC \*\* K8VJG \*\* KD8CLC

### 50/50

N8KAY \*\* N8IS

### Scholarship

WA8SLN \*\* NI8Z, W8GC, KC8DJV, KB8UGT

### Summer Picnic

K8KR \*\* N8IS, W8HBI, KB8UGT, WB8N

### Sunshine (welfare)

KD8V \*\* 330-666-8721

### Technical

K8DAV\*\* W8GC \*\* N8OVW, WB8N

### VE exams

NI8Z \*\* 216-642-8705

### Web Master/e-mail

K8DAV \*\* W8GC \*\*

\*\* chairman or co-chairman



## 2008 Officers

### PRESIDENT

Scotty Shields WA8SLN 216-524-3420  
president@2cars.org

### VICE-PRESIDENT

Toby Kolman WT8O 440-572-1544  
vice-president@2cars.org

### SECRETARY

Steve Jones KC8DJV 330-351-2181 c  
secretary@2cars.org

### TREASURER:

Bob Check W8GC 216-524-1750  
treasurer@2cars.org

## Board Members & License Trustees

### Board Chairman

xxx

even year executive board 2 year term

K8DAV

K8VJG

KB8UGT

odd year executive board 2 year term

K8KR

NI8Z

WB8N

### K8ZFR trustee

K8DAV

NO8A, WA8CMS & W8BM trustee

W8GC

