

The Wobbly Oscillator

Cuyahoga Amateur Radio Society

NO8A Special Event Call

K8ZFR Cleveland Area Repeaters 146.82 - 443.825 - 444.75



JULY 2005

Volume XXXV

Issue VII

FROM THE PREZ

We had a great group for our first outdoor meeting in 2005, welcoming 31 members and visitors.

Our June 50/50 raffle was won by Bob KC8MRC, congratulations Bob, CARS and Bob split the \$44.00.

I am very pleased to welcome our 2 newest members: Cydney, KD8BSU and Alexia, KD8BSV to the CARS family. Please try to attend as many meetings as possible and join in the fun.

Rick Powis, N8ZN gave an excellent talk and demonstration at the June meeting about the Sterling Engine. Thanks again Rick!

Well, one of our major club functions each year, Field Day is now in the books. I am very pleased to say we did much better than last year, having a preliminary score of 6,145 points. Last year we had 5,346 and in 2003 4,488 so that's a nice upward trend all in the 8A class.

We had a couple of glitches and missed an easy 100 point bonus it seems because no one was sure who was sending a message to the section manager till it was too late. We also experienced a lot of interference from PSK for the first time this year but we will resolve both issues for next year.

On the positive side, everyone had good antennas, no rig problems, and no one was hurt this year. For the first time we used a network on the computers which allowed stations to switch bands and not have dup problems. Only the PSK station had a problem. It seems a local radio station caused him some interference and we didn't bring any filters. Next year.

We had a super turn out, great food, and after some needed sleep and reflection, a very successful 2005 Field Day.



Above is a picture of some of the early crew setting up Saturday morning. We will have about 100 Field Day pix on our web site at www.cars.org under photo gallery in the next few days.

Last but not least, I would like to thank our sponsors: Augies Pizza & Ribs, BJ's Club, Restaurant Depot, R-K Sausage along with everyone who helped make Field Day 2005 a terrific event for CARS.

That's it for another WO. This month's words: *When people are free to do as they please, they usually imitate each other.*

See you at the July 20, 2005 CARS meeting in the park, this month's speaker is Chris Martin who will talk about his time at the south pole and operating KC4AAA earlier this year.

de, Bob W8GC

JUNE MEETING MINUTES

President Bob Check, W8GC opened the meeting at 7:36PM Wednesday, June 15 which was held at the Oak Grove Pavilion in the Cleveland Metro Park Reservation in Brecksville. Introductions were made by the 29 members/guests in attendance.

A motion to accept the May 18, 2004 minutes published in the WO was made by Henry, KD8BAO and seconded by Terry, KB8DTC. A vote was taken and the motion passed.

Treasurer Tina W8HBI made her report. A deposit of \$100.00 was sent to the caterer for the 2005 Christmas Party.

Bill, KC8YSV reminded everyone to renew your ARRL membership through CARS. A report on the Copley Middle School amateur radio program and station was given.

At our next meeting in July, Bill KC8YSV informs us that Chris Martin will present a talk on Antarctica and on the amateur radio station KC4AAA.

Plaque's for KD8BGL, KD8BPG, KD8BSU & KD8BSV have been presented for passing their amateur radio test. KD8BGL received his at the Copley Middle School awards assembly as reported to us by Dave, KD8V. A sample plaque was passed around to the membership for viewing.

On Saturday May 21, 2005, members from CARS visited the Boy Scout re-dedication of the Cleveland Headquarters as mentioned by Bill KC8YSV.

Bob, W8GC reported on the visit to Channel 3 TV transmitter on Saturday May 28, 2005 by eight of the Copley Ham club members.

Dave, KDSV informs us that a get-well card was sent to Ev, WA8EYF.

The 146.82Mhz repeater is running on full power and the 443.825Mhz repeater is on half power as reported by Dave, K8DAV.

Send in articles for the WO as requested by Tom WB8N. Tom also reported on the Diabetes Association Tour de Cure held on Sunday June 12, 2005, along with Field Day to be held on June 25 & 26, 2005. CARS will again be operating as a 8A using the NO8A call.

Toby, WT8O commented on the Wednesday night net and the need for another net control operator. Toby also stated the Tour de Cure Ham operation

was a success, some discussion followed.

Our next VE test will be conducted on Sunday July 10, 2005 at the Old Town Hall in Independence per Gary NT8Z.

Bob, W8GC asked for a motion to make Cydney Woodyard, KD8BSU and Alexia Beauregard, KD8BSV the newest students from Copley Middle school to have passed their Technician tests, members of CARS. Dave, KD8V made a motion, seconded by Roger, N8TCP to accept Cydney, KD8BSU and Alexia, KD8BSV as members of CARS. A vote was taken and the motion passed.

Gary, NI8Z commented on the Breezeshooters Hamfest and that Tom, WB8N won an ICOM 2 meter HT and donated it to the Copley Middle School amateur radio club.

Bob, KC8MRC won the 50/50 raffle. His share was \$22.00. A second prize of hand tools was won by Dave, K8DAV and a third prize of an 8 piece cutter set was won by Bill, KC8YSV.

A motion to close the meeting was made by Bob, KC8MRC and seconded by Mike, K8EHP. A vote was taken and the motion passed. President Check adjourned the meeting at 8:15PM.

Following the meeting, a presentation and demonstration on the Stirling Engine was given by Rick Powis, N8ZN.

Respectfully submitted by Secretary: Ron K8VJG

HAMFESTS

July 17 - VanWert ARC, Van Wert County Fairgrounds, Van Wert, OH.

July 16 - NOARS Hamfest, Lorain County Fairgrounds, SR 18, West of downtown.

July 31 - Portage ARC Hamfair, Portage County Fairgrounds, 4215 Fairgrounds Rd.

2005 HAMVENTION ATTENDANCE

Figures released by the Hamvention Committee show the paid attendance for the 2005 Dayton Hamvention to be 20,411, an increase of 542 over the 2004 Hamvention, which was the lowest paid attendance in decades. The all time high was in 1993 with a paid attendance of 33669 attendees.

This year, in spite of some empty spaces in the flea market and on the inside, dealers reported doing a very high volume in sales, selling out of some items and having to take orders on Saturday.

Empty spaces were said to be due to the higher cost of spaces and the high cost of fuel this year.

Time will tell what happens at next years Dayton Hamvention.

FROM THE V.P.

When I first started studying for my amateur radio license, I asked the obvious question; where did the term “ham” come from? I figured I’d get a quick answer. I figured wrong. I received several answers and a couple of references in books. There seems to be no clear-cut answer, and individual interpretations are acceptable. With the amateur radio service providing communications for disasters, emergencies, and special events, I like the explanation of “ham” as being derived from the expression “helping all mankind”. When I use that definition, one of our club members immediately comes to mind; Tom Wayne, WB8N.

Many of us recently worked the American Diabetes Association’s Tour de Cure bicycle race, where Tom organized and ran the communications net. Tom has been in charge of establishing radio communications for this event, as well as the fund raising walk held downtown in October, for years. Not only does he donate his time and efforts, he enlists the necessary hams to provide good coverage. Tom always holds down the fort as net control, which means he has to be on the radio ten times more than the rest of us.

This year’s Tour de Cure was especially challenging. We had to deal with some of the most outrageous QRM I’ve ever heard. Tom kept his cool and didn’t miss a beat. Not only did we have to man checkpoints, pick up injured and broken down

riders, and “sweep” the course; we had to move supplies to different rest areas due to unplanned usage. We were also sent to various points on the course to guide riders who were getting lost. The CARS radio group helped with other chores contributing to the overall success of the event. At the center of it all was Tom at the mike from beginning to end, doing a splendid job. CARS can be proud to have a ham like Tom as one of it’s active members.

de Toby, WT8O

Editor’s note: Thanks for the kind words Toby, but I couldn’t do it without all the help from the CARS volunteers who come out for these two events year after year! Just to show how much the Diabetes Assn. relies on us, they moved the date of the event to earlier in June so it wouldn’t conflict with Field Day weekend!

JULY BIRTHDAYS

KC8INE Aaron Clark 7-2-75
K8KR George Pindroh 7-5-42
KD8BMT David Lay 7-6-79
N8TCP Roger Boehnlein 7-9-52
KC8WLZ Mark Butler 7-13-70
K8MPL Philip Ricca Jr 7-14-42
KB8PYB Robert Wick 7-14-46
W8QXA Charles Matthes 7-14
N8ZN Richard Powis Jr 7-21
KB8LWM Paul Naujoks 7-24-43
KC8LEO Scott Dressler 7-24
W8MCD Len Holmes 7-24-43
WA8GEO Bill Savage 7-27-40
W2THU Robert Winston 7-28-45
NW8X Rich Williams 7-30

Congratulations to each and every one of you!

Many happy returns, and may you live to operate for many more years!

V.P.'s INTERVIEW

This month our interview is with one of our youngest members, Kayla Check, N8KAY.

V.P.: How did you become interested in Amateur Radio, what got you started?

Kayla: My dad (Steve, N8IS) and my grandpa (Bob, W8GC) are amateur radio operators. Each summer when on vacation from school, I try to accomplish something new over the summer. The summer of 2001 I studied for my license. I was 11 years old when I got my Technician license.

V.P.: How long have you been licensed, and what class license do you currently have?

Kayla: In July of 2001 I passed my Technician test. Each summer I tried to work on the next license, at the end of my summer vacation from school in 2003 I passed my Extra test.

V.P.: What do you like about Amateur Radio?

Kayla: My favorite part about amateur radio right now is learning to make satellite contacts with my dad. It's summer vacation, so I'm hoping his computer will start cooperating so I can learn how to make contacts with it. I'm also enjoying getting QSL cards.

V.P.: What are your favorite bands to work?

Kayla: I mostly like 20 meters, because I can talk to far away places and then send them my QSL card and hope to get one back. I also send CW on 40 meters through my dad's computer too.

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

Kayla: Right now I have 94 confirmed countries and I'm waiting until I get 100 to submit them to the ARRL. I have been pretty lucky and a lot of my QSL cards I send actually get returned. It's fun to get mail and have it come from another country. I especially like the QSL cards that have awesome pictures.

V.P.: What types of Awards or Recognition have you won or been awarded with?

Kayla: I haven't won any awards through amateur radio so far. But working new stations and getting more QSL cards is something I hope to work on this summer.

V.P.: What other hobbies do you have besides Ham

Radio ?

Kayla: I'm going to be a 9th grade student at Independence High School in the fall. I belong to the Independence Drill Team, I'm a cheerleader for basketball, I also participate in Drama Club, and Student Council. I've recently signed up with the Young Marines and will start boot camp in August.

V.P.: What would your dream station be? Where would it be?

Kayla: My dream station would be my Grandpa's, because everything looks so clean and organized there. For now, I just want to stay in Independence, Ohio with my family.

V.P.: What's your occupation Kayla?

Kayla: I'm currently 15 years old and a student. I volunteer at Chippewa Place in Brecksville, which is a nursing home I play Bingo and Scrabble with the residents and do sitters and I help with Ice Cream Socials.

Thanks very much Kayla for giving our readers a chance to know you better.

WHEN J.F.K. WAS SHOT

By Tom, WB8N

Do you remember where you were and what you were doing when President John F. Kennedy was shot?

I do...I was at work in an office in downtown Cleveland at the time. This subject came up at the Northern Ohio DX Assn. hospitality room at the Dayton Hamvention this year and one of the hams in on the conversation relayed to us where he was and what he was doing, and I thought it was very interesting.

The ham is Bob Plummer, W3RP, otherwise known as Wilson, due to his resemblance of the character on the Tim Taylor sitcom. Bob said he was a student at Case Tech grad school in 1963 in Cleveland at the time and he was at the controls of the Case Tech amateur radio station, *continued on next page...*

working a station on 15 meters in Dallas Texas. During their QSO, the operator in Dallas told Bob that he had just heard that President Kennedy had been shot while riding in a motorcade in downtown Dallas.

Bob got the news about the shooting before it had ever got on the national news! He actually learned of the terrible shooting operating amateur radio!

Bob "Wilson" Plummer is one of a group of "festers" (short for hamfesters) that Gary Dewey, N18Z hangs out with each year at the Hamvention.

CANCER FIGHTING DEVICE COOKED UP IN THE KITCHEN

Reprinted from the QRM, the newsletter of the Tusco Amateur Radio Club, originally taken from Fox News.

Cancer survivor John Kanzius isn't a doctor, but the electrical engineer and former owner of radio and TV stations is now the home inventor of a possible cancer treatment device that he built in his kitchen and is now being tested at the University of Pittsburgh Medical Center.

Kanzius's own chemotherapy for his non-Hodgkins lymphoma, which is now in remission, spurred him to discover a better method to fight cancer. "It's what led me to spend my personal money and my personal time to try to find a way, and easier way, to treat this dreaded disease," said Kanzius, 60 who lives in Millcreek, Pennsylvania.

Dr. David A. Geller, a co-founder of the Liver Cancer Center at UPMC, plans animal testing of the device for which Kanzius has applied for patents.

It's a non-invasive radio frequency zapper that selectively targets cancer cells without destroying healthy cells or creating new cancers, as chemotherapy and traditional radiation therapy sometimes do stated Krazius. "The next one or two years of animal research will determine if we can use this principal of radio waves delivered by this machine to generate heat to selectively target cancer," explained Geller.

Kanzius remains realistic about his own cancer. It may come back and his invention may not be available to save his life. Still, he felt he had to do

something while he was going through chemotherapy - and it all started in his wife's kitchen drawer.

Not mentioned in the Fox story is that John Kanzius is an amateur radio operator with the call of K3TUP. This information was found via the grz.com website under the byline - RF is Good For You, and was posted by Rick K4LX.

The Fox News site is:

<http://foxnews.com/story/0,2933,156268,00.html>

It may be accessed from the posted site on QRX.com from the above byline.

THE RANDOM WIRE

By Tom Wayne, WB8N

SUCCESSFUL FIELD DAY!

Another Field Day is under our belts and 2005 was a great success! We came up with a total score of 4190 plus 1950 in bonus points, for a grand total of 6145 points, which is an increase of 779 points over last year!

The weather cooperated with us, in spite of a couple of measly little drizzles off and on Saturday. We could see the nasty weather, hear the thunder and see the lightning off to the south of us in the afternoon, but it passed us by.

We managed to get through the entire weekend with a total of zero injuries to anyone as well.

We ate very well, thanks to the efforts of Kayla Check, N8KAY and her friend Kayla Rakowski, who "manned the kitchen, and made sure the chow was ready when it was supposed to be. Thanks gals!

We had a bunch of visitors, including Mike Lorens and his mom Lynn, and Ev Chitester, WA8EYF came out for a visit accompanied by his wife Jeanette, WD8OPS and daughter Debbie, KB8QHW, who by the way are both employees of the American Red Cross Disaster Services. Great to see Ev out there, as he is recovering from some health problems and had
continued on next page....

told me earlier that he didn't think he would be able to make it out to the F.D. site. Great seeing you Ev!

I was a bit surprised that some of the members I had hoped to come out and at least pay us a visit if not actually do some operating did not show up. Shame on you...you know who you are. We were visited by our Copley Middle School students who are members of the newly formed Copley Middle School Radio Club which CARS sponsor and their advisor Brad Bennett, KD8BBS and they all got to operate a while.

Yours truly got up Saturday morning at 6:00 a.m. and stayed up for the duration. I did doze off a couple of times while operating early Sunday morning, awaking to find my pencil had slipped out of my fingers and was sticking in the grass. When I got home late Sunday afternoon I took a shower and then took a nap!

All in all it was a great weekend of operating and comradery and I'm looking forward to next year. Check out the pics on the CARS website.

I want to thank all of our station owners, station operators and guest operators as well as our volunteers and guests for making F.D. 2005 a success. We could not have done it without you!

We will be working on our plans for Field Day 2006 very soon. Stay tuned folks.

WB6ACU

Who's that you might wonder...well I'm about to tell you. A week or so before Field Day, I learned that the band The James Gang, that was from Cleveland and was popular in the 70's & 80's was going to do a reunion show on Friday, June 24th at the Beachland Ballroom in the Collinwood area of Cleveland. The show was immediately sold out and they scheduled a second show on Thursday, the 23rd.

Well for those of you that are not aware, Joe Walsh, WB6ACU was the lead guitar and singer for The James Gang, having replaced original member . Joe later joined the Eagles after The James Gang broke up. He's also done his own solo albums of great rock and roll music.

Anyhow, being a guitar picker myself, and a fan of Joe's, I had to see this concert! I called the Beachland to order a ticket and was told both shows were sold out...word of mouth...no advertising.

Geeze! The gal I talked to told me she'd put me on a waiting list in case some more tickets were released, but I wasn't holding my breath. A couple of days later I got an email from the Rock & Roll Hall of Fame (of which I'm a charter member, and in which Joe Walsh is honored as a member of the Eagles) saying they had a limited number of tickets available for the Friday night show...call this number...etc. Well, I called and low and behold got a ticket!.

So, after setting up my tent and part of my antenna system at the Field Day site Friday night, I hightailed it down to the Beachland and managed to get there about 15 minutes before show time. What a concert! The guys came out and Joe, by way of introduction, said "We're The James Gang from Cleveland Ohio (pause) and we seriously didn't think we'd live this long!" Needless to say, they put on a great show. The place was packed with 600 fans packed in like sardines, standing...no seating.

Anyhow, I thought maybe, just maybe I could get to shake Joe's hand and I had a QSL card made out as an "eyeball QSL", but alas and alack, the closest I got was talking to his limo driver. I gave him the card, asking him to give it to Joe's manager for him to give to Joe. I'll probably never know if he got it or not. As a sideline...Kayla Check had been emailing back and forth with Joe recently and had invited him to come to a meeting when he was in Cleveland. I had written a note on the QSL card inviting him to our Field Day site, complete with directions, not really expecting him to show up. Well, he didn't. Oh well.

The James Gang then did a third sold out show at the House of Blues on the following Wednesday, June 29th. Joe's comment at the end of the Friday gig was "we'll be around."

Joe Walsh is a big collector of Collins Radio gear and has several separate stations set up in his home. He likes to operate 3.870 MHz AM and 14.250 MHz SSB (+or -). He has an HF rig in his car as well, but says he has not worked VHF or UHF for several years.

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TOUR de CURE

The Cleveland Diabetes Assn. Tour de Cure was a huge success as far as fund raising and for our communications efforts as well. We had a fantastic bunch of volunteer ops who showed up and made it all work. I want to acknowledge them all: Bob Check W8GC, Kayla Check N8KAY, Steve Riley N8IS, Gary Dewey NI8Z, Ron Borkey K8VJG, Steve Jones KC8DJV, Mike Cegelski K8EHP, Mike Balough KB8UGT, Toby Koleman WT8O, Dave Kushman K8DAV, Dave Dressler KD8V, Bill Sarver KC8YSV, and Dave Lay KD8BMT. Thanks to each and every one of you!

We could have used a couple more operators but maybe by next year I can con a few more CARS members into volunteering.

We have the Diabetes Walk America coming up in October folks, so keep it in mind! I'll be badgering you to come out for that one too!

JULY MEETING IN THE PARK

Don't forget, the July meeting will be once again at the Oak Grove Picnic Area of the Brecksville branch of the Metro Parks. Y'all come out early cuz were gonna be burnin some hot dogs on the grill for the membership and guests! Might even have some baked beans as well.

If Joe Walsh is still in town, maybe he'd like to stop out and pay us a visit strictly as a fellow ham radio operator. After all, he did tell Kayla he'd visit when he was in town. I think. At least that's the story I get. How 'bout it Joe?

MARS SPECTACULAR!

For the next three months, Earth is catching up with Mars in an encounter that will culminate in the closest approach between the two planets in recorded history. The next time Mars may come this close is in 2287. Due to the way Jupiter's gravity tugs on Mars and perturbs its orbit, astronomers can only be certain that Mars has not come this close to Earth in the Last 5,000 years, but it may be as long as 60,000 years before it happens again. The encounter will culminate on August 27th when Mars comes to within 34,649,589 miles of Earth and will be (next to the moon) the brightest object in the night sky. Mars will look as large as the full moon to the naked eye. Mars will be easy to spot. At the beginning of

August it will rise in the east at 10p.m. and reach its azimuth at about 3 a.m. By the end of August when the two planets are closest, Mars will rise at nightfall and reach its highest point in the sky at 12:30a.m. That's pretty convenient to see something that no human being has seen in recorded history.. So, mark your calendar at the beginning of August to see Mars grow progressively brighter and brighter throughout the month. Share this with your children and grandchildren. NO ONE ALIVE TODAY WILL EVER SEE THIS AGAIN

ADIOS FOR THIS MONTH

Well muchachos and muchachas, time has come for me to end this diatribe and get outta here. I'll just leave you with a little reminder to CHECK INTO THE WEDNESDAY EVENING CARS NET AT 9:00 P.M. ! (That's supposed to be me yelling.) If you have not checked into the net before, give it a shot. It's on the CARS repeater on 146.82 MHz (110.9 pl) and who knows, you might just get the answer to the trivia question correct and win the big prize, which is the same as it's always been. The more the merrier and I'd really like to see the net go past 10:00 p.m. because of the deluge of check-ins! Naw, that'll never happen...will it? Let's see if we can do it!

Like I said a bunch of words ago, I'm outta here. I hope to catch you on the air, at the meeting, or both.

73 for now,

de Tom, WB8N

Good night Mrs. Callabash, where ever you are. (Jimmy Durante)

Sometime I'll have to relay the story about that one...the "rest of the story".

G'nite Gracey

SILENT KEY OF NOTE

K4FW, Albert R. Kahn, passed away on June 15th. Al started Ten-Tec after being bored with retired life. Al's DOB July 9, 1906, he would have been 99 three weeks after his death.

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 publication provided credit is given to this newsletter and the author, if known. All submissions should be emailed in .doc, .wpd, or .txt format, to: newsletter@cars.org by the end of the month for publication in the next month's issue.

By reading this, you have committed yourself to bringing at least one human being into the amateur radio community during the rest of 2005, and also to attending the remaining meetings of this year including the Christmas party. You have also committed yourself to volunteering for at least one public service event per year. Checking into the Wed. evening club net is mandatory to all who peruse the text in this box. If Joe Walsh happens to read this, he has committed himself to attending a CARS meeting or function when he is next in town. I could go on and on but I'm running out of space.



K0DQ, Scotty Redd (also known as YI3Q and A92Q and I believe P40Q), has been nominated by President Bush to be Director of the National Counter-Terrorism Center in McLean, Virginia. Scotty, a retired Admiral with 36 years active duty in the Navy, is an active contest operator.



CARS 2005 Officers & Committees

Audit

Toby WT8O ** Tina W8HBI, Gary NI8Z

ARRL Liaison & Media Representative

Bill Sarver KC8YSV **

Christmas Party 2005

Gary NI8Z ** Steve N8IS ** Tina W8HBI
Tom WB8N

Community Education & School Programs

Dave KD8V ** Steve N8IS ** Tina W8HBI,
Kayla N8KAY, Bill KC8YSV

Contests

George K8KR **

Development

Bob W8GC ** All officers

Diabetes events

Tom WB8N ** All CARS members

Field Day

Tom WB8N ** All CARS members

Fox Hunts

Mike K8EHP ** N8IS, N8TCP

Ham License classes

Bob W8GC ** Gary, NI8Z ** Tom WB8N, Steve
N8IS, Ron K8VJG, Bruce N8DJX, George K8KR,
Dave K8DAV

Interference & Jamming

W8GC ** NI8Z, N8IS, N8TCP, WB8N

Scouts

Steve N8IS ** Tina W8HBI, Kayla N8KAY

Lighthouse events

Toby WT8O ** 440-572-1544

Mentor/Elmer

Bill Sarver KC8YSV ** Ron Borkey K8VJG **
Tom WB8N, Bob W8GC

Membership

Tina W8HBI ** Bob W8GC **

Museum Ship W. G. Mather W8WGM

Bob W8GC ** Lin WD8SDP ** All CARS members

NET

Gordon W8GTK **

WO/Newsletter

Tom WB8N ** 440-232-4193

Program directors

Bill KC8YSV ** Jack W8JAK **

QSL manager-NO8A & W8WGM

Tom WB8N **

Refreshments

Henry KD8BAO **

50/50

Kayla N8KAY **

Sunshine (welfare)

Dave KD8V ** 330-666-8721

Technical

Dave K8DAV** Bob W8GC ** Terry KB8DTC
Vince N8OVW, Tom WB8N, Jack W8JAK, Jim
WD8CHL

VE exams

Gary NI8Z ** 216-642-8705

Web Master/e-mail

Dave K8DAV ** Bob W8GC **

** chairman or co-chairman

2005 Officers

PRESIDENT

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Board Members

even year executive board 2

r term;
George K8KR
Gary NI8Z
Dave K8DAV

odd year executive board 2 year term;

Gordon W8GTK
Terry KB8DTC
Tom WB8N

K8ZFR trustee

Tom WB8N

NO8A, WA8CMS &

KD8AQD trustee
Bob W8GC



yea

