



VOL 23 Issue 10

October 2001

FROM THE PREZ'S SHACK

Inside

This ISSUE:

I can't say how shocked I was to see the cowardly attacks that took place in the United States on September 11, 2001. This act of terrorism took the life of thousands of innocent victims, its hard to believe many of us watched it live and it happened in the USA not some far away country.

I would like to send our heart felt sorrow to the families and friends of those that perished or suffered other losses in these terrorist attacks. I am sure America along with other nations will respond with adequate action as Justice must be served.

The ARRL reported Riley Hollingsworth, The FCC's point man for Amateur Radio enforcement, was reminding Amateur Radio operators to "remain calm but ready." Hollingsworth also said if anyone hears any suspicious activity on the air they should make a recording and contact him. The Amateur's Code reminds us that an "Amateur is Patriotic...His knowledge and his station are always

ready for the service of his country and his community". Let's all help to keep the Amateur Radio Emergency Service (ARES) and Radio Amateur Civil Emergency Service (RACES) frequencies clear. Count your blessings and please pray for those who have been affected by this terrible attack.

We had great weather and a good turnout for this years Cleveland Hamfest. We signed up a new member, passed out lots of CARS brochures to prospective members and sold 33 raffle tickets, not bad. A special thanks to all who helped at the table, Aaron KC8INE, George K8KR, Ron K8VJG, Tom WB8N, Gary NI8Z, Steve N8IS and Kayla KC8RYH and the other members who stopped to say

hello.

Mark your calendars for the CARS Christmas Party, it will be held at Harry's Steak House, 5664 Brecksville Rd, Independence on December 15, 2001 at 6:00 PM. Make your reservations early we need to know how many will be attending the party, please contact **Judy, KC8FHE** or **myself ASAP**. Also, less than 25 tickets remain for the CARS Christmas raffle, see any officer for tickets, the drawing will be held at our November 21 meeting. Please note the drawing date was incorrectly listed as November 18th the correct date of course is the 3rd Wednesday November 21st, 2001.

You still have time to sign up for the American Diabetes Association Walk on Saturday October 6th, 2001.

PLEASE contact **Tom Wayne, WB8N ASAP**.

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FROM THE PREZ'S SHACK

We will be taking nominations for the 2002 officers at the October 17, 2001 meeting with elections being held at our November 21, 2001 meeting.

Because of the tragic events on September 11th we canceled our September 16th Lighthouse trip to Vermillion USA-868 located at the Inland Seas Maritime Museum. Weather permitting we will re-schedule for October 7th or 14th, to join in the fun please contact me and sign up.

October 20/21 Boy Scouts and Girl Scouts of all ages will participate in

the 44th JAMBOREE ON THE AIR. For many scouts, both young and old, this may be the first time they will have an opportunity to learn about amateur radio and talk on the air. Roy KB8VJF and Paul KC8AMD will again be setting up at Longwood Park in Macedonia on October 20th for **JOTA. THIS IS NOT A SCOUT SPONSORED EVENT! WE NEED YOUR HELP TO SPREAD THE WORD ABOUT AMATEUR RADIO AND TO MAKE THIS YEARLY EVENT A SUCCESS!**



If you know any Boy or Girl Scout leaders who can get their troops to participate or if you would like to help explain this great hobby please contact either Roy, KB8VJF, email kb8vjf@cars.org or Paul Valley, KC8AMD at 440-237-8116 or e-mail KCAMD@cars.org.

See you at the October 17 meeting, 7:30PM at the Busch Community room.

de, **Bob W8GC**

The Random Wire

by Tom Wayne WB8N

FALL IS HERE

As I write this, it is cold, rainy and dreary outside. The Cleveland Hamfest has come and gone, and it is officially Fall. Brrrrrr.

CLEVELAND HAMFEST

Once again I didn't win anything at the Cleveland Hamfest at the Cuyahoga County Fairgrounds in Berea. CARS had a table at the hamfest again, and a lot of people stopped by. We sold some raffle tickets, passed out membership literature, and even signed up at least one new member! Several long-time members that haven't been to a meeting for awhile paid a visit

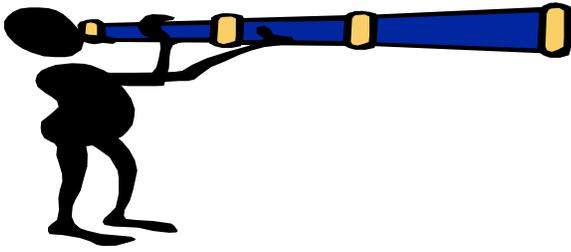
as well as some former members, one of which lives out of state. I got to eyeball a couple of hams that I only had met on the air previously.

The hamfest itself was a pretty good one as hamfests go I guess. It seemed a bit smaller than in the past in my estimation, but I could be wrong. The weather could not have been better for a hamfest...sunny, a nice breeze, and not too warm. The flea market also seemed smaller to me, but was pretty good. One ham was even selling his car! There was the usual car with um-teen antennas on the trunk lid. There was actually room for a couple more antennas than were mounted there already!



I cannot imagine that many radios inside the car to necessitate that many antennas however!

I didn't buy anything other than a Pepsi. I wasn't really looking for anything this year. I would have picked up a few qsl card holders but I didn't see any for sale. One of our club officers (I'm not saying who) bought a new fancy Kenwood hand-held rig so he could give his daughter his old hand held. Nice gesture dad... one way to justify why you just had to have a new rig!



DIABETES WALK

Saturday, October 6th, is the annual Diabetes Walk America, which gets underway at Nautica in the Flats at 9:00 A.M. We are once again doing communications for the walk, after a year off, when they thought they could do it without us. Well they asked us to do it this year again. We could use a couple more volunteers to man the checkpoints, ride in the SAG wagons, and act as aide to the person in charge. This event is worthwhile and is the only public service event that is actually done by just **CARS** members. If you feel that you want to help out with this event, give me a call at 440-232-4193. We will be meeting at Nautica between 8 and 8:30 A.M. Parking is free in the Nautica parking lot Refreshments will be available, and you will have done a good thing. We should be out of there by Noon, or shortly thereafter.

STUFF TO DO BEFORE THE SNOW FLYS

One of the things I have to do, among others around the house here, (some painting, getting the storm windows cleaned and up, general winterizing) is to get up on my tower and fasten a loose bolt that holds the rotator securely in place. I have procrastinated all summer long. Guess I'd better get on the stick, as they say. Don't want the antenna to be coming down unexpectedly while I am trying to work a rare DX station in a pile up! if you have antenna work to do, now is the time to get it done. I know someone else who fits in this category. If he needs a hand, he knows all he has to do is give me a call. Gary.

DAYTON HAMVENTION ALREADY?

I received in the mail just the other day, a letter from the Dayton Hamvention folks, wanting me to send in my money for tickets for next year's Hamvention. Kind of early I think, but what the heck, why not? We already have our room reservation set for next year. They make it a deal hard to refuse. If I send in for tickets before November 12th, I am entered in a drawing for \$250.00. Such a deal!

OTHER STUFF

Don't forget to check into the CARS net every Wednesday except for meeting nights, at 7:00 P.M. You'll get to hear my lovely voice, among others, as net control If you think you would like to run the net occasionally, get in touch with Gordon, KC8IOU and he will be glad to put you on the list.

TTFN

Time to get outta here for now. Hope to see you at the next meeting and/or catch you on the repeater. Keep our fallen and injured Americans in your thoughts and prayers.

73,

Tom, WB8N

UPCOMING

(only the closest ones)

Oct 7 Medina Ohio
Medina County Nat'l Guard Ar-
mory talk-in on 147.030

Oct 7 Ashland Ohio
Ashland County Fairgrounds
talk-in on 147.105

Oct 28 Canton Ohio
Stark County Fairgrounds
talk-in on 147.180

Club NET every Wed

@ 7:00 PM

-146.82

What is a CME ?

BY Russ Schnapp via Steven M. Hnatiak KC8IVD

From: SoCal SkyLights, <http://www.schnapp.org/sky/skylights.html>

Mon, 24 Sep 2001 19:47:31 -0700

At 3:38 AM this morning, a mighty magnetic storm on the sun caused millions of tons of the corona to be thrown into space. This event, called a Coronal Mass Ejection (CME), happens several times per year. Occasionally, the Earth traverses part of this pulse of discarded solar atmosphere, causing a much smaller magnetic storm, here.

A very nice animated coronagraph of this CME, taken by the SOHO satellite, is visible at <http://www.spaceweather.com/>, along with more information on the CME.

We may be in for just such a storm, late Tuesday, or early Wednesday. If you happen to live in the more northerly latitudes, it's possible that you might be able to see the Aurora Borealis. (In very southern latitudes, you would be looking at the Aurora Australia). There are absolutely NO guarantees, of course. There's no way to determine the probability of seeing the event at any given latitude. If you want to take a chance at seeing it, you will need to find a dark sky. Don't expect fast motion and rapidly changing colors. The aurora is usually quite subtle and changes shape and color relatively slowly.

Other potential consequences of a CME include blackouts (due to power surges magnetically induced onto transmission lines), loss of contact or control of satellites, and unusual radio propagation conditions (e.g., being able to hear a VHF FM radio station that's hundreds of miles away).

So, keep your eyes on the skies!

...Russ



FOR SALE

Anyone interested to purchasing the CARS Communications Trailer please contact Bob Check W8GC

216 – 524 – 1750



AMATEURS AMONG THE MISSING IN WORLD TRADE CENTER ATTACK

At least four Amateur Radio operators are among the many still missing in the aftermath of the September 11 attack on the World Trade Center in New York City. The attack also destroyed the major TV and radio transmitting site atop one of the twin towers.

The hams reported missing so far include:

* **Steven A. "Steve" Jacobson, N2SJ, 53, of New York City**, a transmitter engineer for WPIX TV, and an ARRL member.

* **William V. "Bill" Steckman, WA2ACW, of W Hempstead, New York**, a transmitter engineer for WNBC TV. He was well known in the NYC area and ran a number of repeaters from the World Trade Center, most notably the 434 MHz ATV repeater.

* **Robert D. "Bob" Cirri Sr, KA2OTD, 39**, an ARRL mem-

ber from Nutley, New Jersey and the ARRL District Emergency Coordinator for Hudson County. A Port Authority police officer, Cirri was on the job helping to evacuate workers from the building when it collapsed.

* **Michael G. Jacobs, AA1GO, 54**, an ARRL member from Danbury, Connecticut. Jacobs worked at Fiduciary Trust Company International, which had offices in the World Trade Center.

The collapse of the World Trade Center brought down the master TV transmitting antenna that served all but one television station in New York City, as well as several radio stations and amateur repeaters. "The broadcast community is in absolute shock," said Hudson Division Vice Director Steve Mendelsohn, W2ML, who works for ABC News. "We all knew transmitter engineers, we all knew people who worked up in those towers near those big television transmitters, and they're gone."

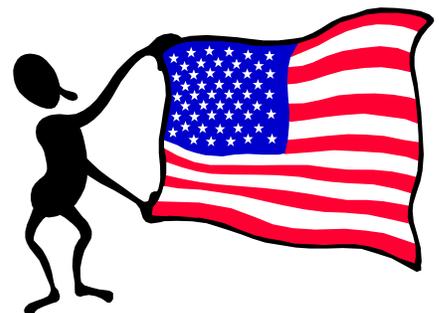
Mendelsohn said many viewers

in the Greater New York City Area who are not on cable can only see WCBS, channel 2, which maintains its transmitter site on the Empire State Building. WCBS has offered assistance and space to help the other stations get back on the air from its site, he said.

"None of the other transmitters exist anymore. They're in the rubble along with the master antenna system, hundreds and hundreds of two-way radio system antennas, and boxes and, of course, untold thousands of people who perished."

There was cause for rejoicing in the case of another amateur who worked in the World Trade Center. Rob Nall, WV0S, reports that his friend, **Herman Belderok, Jr, KB0EEB**, managed to get out of the building just minutes before the structure collapsed.

from ARRL letter vol. 20, no. 37



TWO METER BAND EXPLOSION IMMINENT (AND OTHER BANDS TOO)

by WB7TGQ

Reprinted with permission
from the GEARVAKf Bulletin



According to observations made at the GEARVACf Scientific Studies Committee's Mt. Lishnus Observatory at Stagnant Pond, Ohio, a 2-meter amateur band explosion is imminent. The **potential of violent** destruction is once again due to VHF radio frequency over pressure. Said Studies Committee Chairperson, Dr. Avruell U. Harnishe, co-discoverer of the Harnish-Lishnus Effect, "It seems to me that a two meter band explosion is imminent." Dr. Harnishe explained that the build-up of radio frequency overpressure has mounted alarmingly since the last explosion in 1984, particularly since the marketing of increasingly super-sensitive 2-meter receivers incorporated in the thousands of 2-meter transceivers sold. "What apparently is happening," said Dr. Harnishe, "is that the newer receivers are not taking enough RF energy out of the two meter band because they don't require much signal to produce good readability at the speaker." On the other hand, Dr. Harnishe explained, "the old tube type VHF receivers took a lot of RF out of the air in order to reproduce a readable signal. That being the case," he went on, "an excess amount of RF has built up on the two meter band due to the new, more sensitive receivers."

According to Dr. Harnishe, RF levels have been building up on all radio bands over the past 20 years. Originally, there was plenty of room on the radio bands to accommodate the excess RF due to their elasticity, and a certain degree of leakage from them, which acted as a safety valve. According to Dr. Harnishe's Scientific Studies Committee Team, the radio bands

began to show stretch marks during the peak sunspot cycle about 1980. It was then that the devastating fire broke out on the 20-meter band. Then several years later, the 2-meter band exploded, thus taking a second radio band out of service. The danger subsided and did not recur until the peak sunspot cycle of 1991. Dr. Harnishe explained that, "band fires and explosions were averted then, only because the last sunspot cycle was pretty much of a dud."

"Another problem," he said, "is the newest crop of receivers which are even more sensitive and require almost no RF in order to make a signal readable. Coupled with that, new RF generating devices such as cellphones, remote control devices, satellites, and family radios have added RF to the spectrum." All these devices have caused a greater buildup of RF pressure on the bands which may lead to fires or explosions. Said Dr. Harnishe, "An explosion of one radio band will cause wide-spread damage to all radio frequencies and might irreparably damage them, rendering radio communication impossible for all time. The only remedy for this crisis," he said, "is either to short-circuit all RF to ground, something we haven't figured out how to do yet, or get everybody to listen to radios, preferably with very old receivers, and not transmit for at least 10 years." Noting that in some areas of the country this practice has been successful, Dr. Harnishe is advocating that Americans give the no-transmit idea a try.

PHOTO GALLERY



**HARD WORK AT THE
CLEVELAND
HAMFEST**

*SHAKE IT
UP*

Ron Borkey - K8VJG



**DUNCAN ST. IVES, KC8KQO,
CHECKING HIS NOTES WHILE
MAKING A PRESENTATION
OF HIS NEW YAESU FT817
TRANSCIVER—A FINE
YOUNG MAN WE WILL MISS.
GOOD LUCK DUNCAN.**



MEETING MINUTES

Bob W8GC called the September 19th meeting to order at 7:35 p.m. at the Busch Funeral Home, 20 Members and 3 Guests were in attendance.

Ron K8VJG moved to accept the August minutes as they were published in the WO, second by Terry KB8DTC. All in favor.

Judy KC8FHE gave the Treasurers Report. Bob KC8MRC moved to accept the Treasurers Report, seconded by Fred NO2O Passed.

Roger N8TCP was unable to give his presentation about the Fox Hunt. It will be rescheduled at another time.

Red Cross: Ron K8VJG moved to supply the Red Cross with our membership roster in case of emergencies. Seconded by Bob KC8MRC. passed

Car Wash: October 2nd at Sprague and Brecksville Rd. a Free car wash and donations accepted for recent disaster in New York and Washington D.C. (Announced by Paul KC8AMD)

George K8KR announced that on the HF bands lots of sympathy for the US, in Kuwait ALL radio operators are using 9K2USA as a special call through September 30, 2001. (Due to the tragedy in New York and Washington D.C.)

Jim KB8SQF has been doing a great job as the WO Newsletter Editor. Any

one sending him information for the newsletter/ articles should be sent in Microsoft Word DOC format, .RTF or .TXT (windows text) formats. Please do not use Corel Word Perfect as it is hard to import into the PDF program. Please have them in by the 25th of each month.

School Special Event: Steve N8IS announced that the school event was placed on hold by the school due to recent events.

Library donation: C.A.R.S. donated a complete set of 16 ARRL Amateur Radio Books to the Cuyahoga County Regional Library, Parma branch. Gary NI8Z announced that our donation was published in QST Magazine.

Cleveland Hamfest: CARS has a table at the Hamfest, the table was donated for FREE by the organizers. Members working the table should try to be there at 8:00 a.m.

Diabetes Walk: Tom WB8N announced that the Diabetes Walk on October 6th, 2001 will start at Nautica at 8:30 a.m. and last till approximately 12:00 p.m. The distance is approximately 5 miles, CARS will need 8 to 10 volunteers to help. All members helping should arrive by 8:00 a.m. (Volunteers listed: Kayla KC8RYH, Steve N8IS, Gary NI8Z, Bob W8GC, Ron K8VJG, Tom WB8N, Paul KC8AMD, Dave KD8V, Mike

K8EHP and Ev :WA8EYF.) Any others interested please contact Tom WB8N.

Lighthouse Event: Was canceled at the Vermillion Lighthouse. Due to recent events we decided to reschedule possibly on the 30th of September, 7th or 14th of October. Any one interested in participating contact Bob W8GC.

50/50 Drawing: Ron K8VJG collected \$38.00 for the drawing. \$19.00 to Bob KC8MRC our winner.

VE Session: Gary NI8Z September 9th we had a great turnout for the VE Session. Special thanks to Roger N8TCP, Fred NO2O, Tom WB8N, Bob W8GC, Ron K8VJG, Steve N8IS, and George K8KR.

Small glitch the CW code test, the ARRL sent the wrong version. Our VE examiners had to take the CW code test to provide a answer key. Special congratulations to Dave KD8V who had three Grandsons all upgrade to Generals at our last Session. Next test November 11th. CARS may start ham class in the Fall for new Hams and anyone wishing to take code. Anyone interested please contact Gary NI8Z.

Ron K8VJG moved to adjourn the meeting at 9:05 p.m. EST seconded by Terry KB8DTC. All were in favor.



MORE MEETING MINUTES

Search & Rescue: Was on Friday, September 28th from 7:00 - 9:00 at the Brecksville VA Hospital. Anyone interested contact Tom WB8N.

Gary NI8Z will contact George Race (At the Cleveland Hamfest and if not via phone) to have him attend one of our meetings and make a presentation.

Christmas Raffle: Judy KC8FHE will be Chairman for our Christmas Party Committee, it will be at Harry's Steak House. Cost and ticket information will be discussed at the next board meeting. (We are expecting the cost to be between \$10-\$12 per ticket.) The party will be on the 15th of December around 6:00-6:30 p.m. On November 21st there will be a drawing for the **CARS 2001 Christmas Raffle**, only 300 tickets will be sold,

**First Prize \$400,
Second Prize \$200,
Third Prize \$100.**

The cost is a \$5.00 donation per ticket with all profits going to offset the cost of this years Christmas Dinner to be held December 15. All members please try to sell as many tickets possible, contact Bob W8GC to get your tickets, only about 60 left.

Tech Report: Roy KB8VJF was unavailable but talked with Steve N8IS previously and states that nothing has changed.

Membership: Steve N8IS announces two new members to be voted on. Kayla KC8RYH and Mike N8EHP. Both members were voted on in the usual manner and accepted. All were in favor for both candidates.

Sunshine Chairman: Aaron KC8INE reports that a couple cards were sent out, Marc KB8QHJ and Cheryl Dewey, Gary NI8Z's

NET: Gordon KC8IOU reports that we still need a volunteer to take Duncan's KC8KQO spot when he moves. Anyone interested please contact Gordon KC8IOU.

Jamboree On the Air: October 20th the Boy Scouts and Girls Scouts will participate in the 44th JOTA. Also need members and equipment if possible. Time is 8:00 a.m. to 12:00 p.m. maybe later if the turn out is good. At Longwood Park. If you know any Scouts or Troop leaders please let them know. Anyone wishing to sign up contact Paul KC8AMD. Scouts can earn their communication badge.

ARRL Liaison: Marc KB8QHJ was unable to attend due to his Aunts funeral. No report.

Program: Gary NI8Z had Duncan KC8KQO demonstrate the Yeasu FT-817 and explain it's features.

Next meeting will be October 17 at the Busch Funeral Home at 7:30 p.m.



Weekly Net Schedule

Gordon Kolus KC8IOU

The following members have agreed to host the weekly CARS NET.

OCT. 3 **KC8IOU**

OCT. 10 **WB8N**

OCT. 17 **MTG**

OCT. 24 **NI8Z**

OCT. 31 ??????

NOV. 7 **KC8IOU**

NOV. 14 **WB8N**

NOV. 21 **MTG**

NOV. 28 **NI8Z**

DEC. 5 **KC8KQO**

DEC. 12 **KC8IOU**

DEC. 19 **WB8N OR X-MAS**

DEC. 26 **NI8Z**

JAN. 2 ?????

JAN. 9 **KC8IOU**

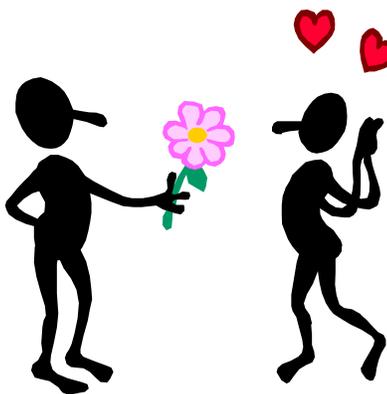
JAN. 16 **MTG**

JAN. 23 **WB8N**

Any Volunteers



PROPOSED NEW MEMBERS

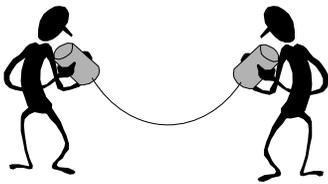


Mark Studer KC8FQV
Class: Tech
ARRL Member

Interests:
Ragchewing: yes
DX'ing: yes
CW: yes (Speed: 10)
SSB: yes
Hamfest: yes
Projects: yes
VHF/UHF Contesting: yes
HF Contesting: yes

2nd Member application
Name: Dennis V. Brostek
Callsign: KC8SEV
License Class: General
Address:
7187 Maple St.

Mentor, OH 44060, USA
Phone: 440-974-1087, Fax:
Email: rchotdog@ameritech.net
Contact me by: E-mail



Who YA Gonna Call?

OFFICERS

** denotes chairman*

PRESIDENT:

Bob Check - W8GC
216 - 524 - 1750
President@cars.org

VICE-PRESIDENT:

Gary Dewey - NI8Z
216-642-1399
VicePresident@cars.org

SECRETARY:

Steve Riley - N8IS
216-328-9276
Secretary@cars.org

TREASURER:

Judy Crane - KC8FHE
216-524-1537
Treasurer@cars.org

BOARD OF DIRECTORS

ODD YEAR EXPIRATION

Gordon Kulus - KC8IOU
330-225-6917
KC8IOU@cars.org

Terry Pillatt - KB8DTC
330-273-1043
KB8DTC@cars.org

EVEN YEAR EXPIRATION

Bill Koenig - AA8WJ

Ron Borkey - K8VJG
440-237-6718

LICENSE TRUSTEE

Tom Wayne* - WB8N
For K8ZFR
440-232-4193
Trustee@cars.org

LICENSE TRUSTEE

Bob Check - W8GC
For NO8A
President@cars.org

STANDING COMMITTEES

** denotes chairman*

HAMFEST

Rich James* - N8FIL
330-468-6021

JAMBOREE ON THE AIR

Roy Hadden* - KB8VJF
330-468-3020
Paul Valley - KC8AMD
440-237-8116

MEMBERSHIP

Steve Riley* - N8IS
216-328-9276
Secretary@cars.org

NET

By Committee
Gordon Kulus* - KC8IOU
330-225-6917

MEETING PROGRAM DIRECTOR &

ELMER PROGRAM

Gary Dewey* - NI8Z
216-642-1399

REFRESHMENTS & 50/50 AT MEETINGS

Ron Borkey - K8VJG
440-237-6718

SUNSHINE (WELFARE)

Aaron Clark - KC8INE
440-526-9705

TECHNICAL/VA HOSPITAL

Rich James* - N8FIL
330-468-6021
Roy Hadden - KB8VJF
330-468-3020

ARRL Liaison

Marc Rubin - KB8QHJ
440-717-0846

VE EXAMS

Gary Dewey* - NI8Z
216-642-1399

WEB SITE/E-MAIL

Greg Kopp* - KG8O
216-577-1388

WO/NEWSLETTER

Jim Crane - KB8SQF
216 - 524 - 1537
newsletter@cars.org

AMERICAN RED CROSS

DISASTER LIAISON

Ev Chitester* - WA8EYF
216-581-3657

CARS QSL MANAGER

Tom Wayne* - WB8N
440-232-4193

COMMUNITY EDUCATION &

SCHOOL PROGRAM

Dave Dressler* - KD8V

330-666-8721

Tom Wayne - WB8N

440-232-4193

Paul Valley - KC8AMD

440-237-8116

Steve Riley - N8IS

216-328-9276

Ron Borkey - K8VJG

440-237-6718

DIGIPEATER

Tom Wayne* - WB8N

440-232-4193

FIELD DAY 2002

Tom Wayne co* - WB8N

440-232-4193

Dave Morley co* - W8IXY

440-884-0650

Aaron Clark - KC8INE

440-526-9705

October 2001

*Note: anyone interesting in learning more about fox hunts in NorthEast OHio go to <http://www.egroups.com/subscribe/nehfoxhunt>



Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3 NET	4	5	6
7 MEDINA HAMFEST	8	9	10 NET	11	12	13
14	15	16	17 CARS MEETING	18	19	20
21	22	23	24 NET	25	26	27
28	29	30	31 NET			

WHAT'S Happening

- Oct 6** Cleveland Walk for Diabetes
8 to Noon
- Oct 6,7** Oceania DX Contest SSB
QCWA, California and Arkansas
QSO party
- Oct. 7** Medina Hamfest
- Oct 13,14** Oceania DX Contest CW
Pennsylvania QSO party
- Oct 17** Meeting Marc Rubin "Terrorist
Response" and ARRL Ham
Radio Olympics video
- Oct 20,21** Jamboree On the Air
Illinois QSO party
- Oct 28** Massillon ARC Hamfest and
Auction
CQWW DX SSB contest
- October 13 & 14:** NJ Lighthouses Open
House. Details to follow.
- Nov 3,5** ARRL Sweepstakes CW
contest
- Nov 9,11** Japanese Int'l DX contest
- Nov 11** VE at Independence
TownHall 9am
- Nov 21** Meeting - George Race ARRL
Great Lakes Div Dir.
Presentation

ELECTION OF CLUB OFFICERS



Now is the time for all good,
loyal, true blue Cars Members
to come to the meeting and

**N-O-M-I-N-A-T-E,
N-O-M-I-N-A-T-E,
N-O-M-I-N-A-T-E**

**Your choice for club officers
At the October Meeting.**



From the Editor KB8SQF

The Wobbly Oscillator is a monthly publication of The Cuyahoga Amateur Radio Society.

Articles may be reprinted in any amateur radio-related publication provided that credit is given to the newsletter and the author.

Submissions received by the end of the month will be published in the following month's *Wobbly Oscillator*.

**Send articles by E-mail to:
Newsletter@cars.org**

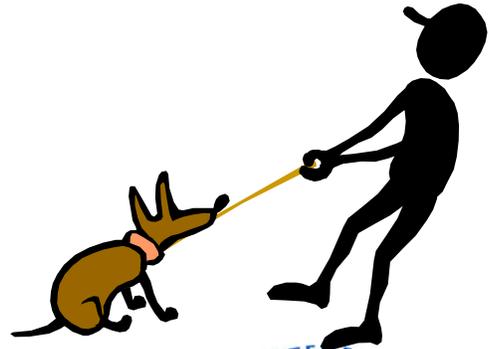
or by U.S. mail (diskette form with files in either *.txt or *.doc) to:

**The Wobbly Oscillator
6531 Tanglewood Ln.
Seven Hills, Ohio 4131**

DUES DUE NOTICE

Checks made out to CARS for \$20 SENT TO
P.O. BOX 31264, Independence, Ohio 44131-0264
Attention: Treasurer

KC8HXG	Donald	Estepp	09/30/2001
KC8LAU	Gerald	Purcell	10/01/2001
N8ISS	John	Wagner	10/18/2001
KC8AMD	Paul	Valley	10/18/2001
KC8IVD	Steven	Hnatiak	10/31/2001
KB8VBR	Leone	Sirna	10/31/2001



CLUB FREQUENCIES

2 METER

REPEATER	142.820 MHZ	INPUT 146.220 , PL 110.9 HZ
DIGIPEATER	145.070 MHZ	NODE CARS OR K8ZFR
SIMPLEX	146.475 MHZ	

70 CENTIMETERS

REPEATER	443.825 MHZ	INPUT 448.825 MHZ, PL 131.8 HZ
REPEATER	444.750 MHZ	INPUT 449.750 MHZ, PL 131.9 HZ

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