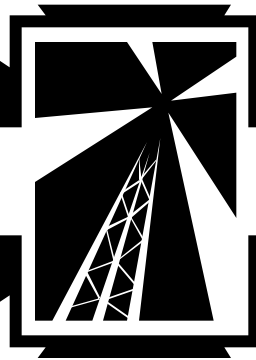


THE WOBBLY OSCILLATOR



MEETING MINUTES

Ray Severyn, WD8OMK

Minutes of the regular Club meeting held on August 18, 1999, at the Brecksville Reservation of the MetroParks as recorded by Ray WD8OMK.

The August CARS meeting was called to order by Tom Wayne WB8N at 8:03 p.m. Members in attendance included Phyllis KC8DVL, Judy KC8FHE, Jim KB8SQF, Fred NO2O, Alana KC8KKX, Glenn WB8CDA, Philip K8MPL, Casey N8FCQ, Paul KC8AMD, Dave KC8FVM, Mike KB8BMY, Gordon KC8IOU, Duncan KC8KQO, Sara KC8KSU, Terry KB8DTC, Gary NI8Z, Rob KC8MWL, Karl KC8LYH, Bob KC8MCR, Ron K8VJG, Greg KB8LYX, Dave KD8V, Steve KC8IVD, Ron KC8JFK, Bill AA8WJ, Tom WB8N,

Monica N8HTX, Rich N8FIL, James N8GXR, and Ray WD8OMK,

The list of guests, visitors, and family members included Carol Fox KC8LAG, Fred Niehaus N8CPI, Brian James, and John Tyboroski.

CHANGES TO THE MINUTES

There were no changes to the minutes.

CHANGES TO THE TREASURER REPORT

There were no changes to the treasurer report.

OLD BUSINESS

Ron K8VJG reports that they are looking for hams to help with the station that will be used at the Ham Radio Day at the Cleveland MetroParks Zoo. They are planning a satellite demo, an HF station, and a RTTY demo and they are requesting the use of the Comm-Trailer for this event. The station will be using the callsign K8ZOO that day.

Rich N8FIL will order more patches as discussed last month.

The possibility of getting Club badges was discussed again this evening.

Tom will look for information he has on badges that could be made with the Club logo and each individual's picture.

NEW BUSINESS

Tom WB8N mentioned that the Cleveland Hamfest is on the last Sunday in September. A motion was made, seconded, and passed by a vote to have a Club table at the hamfest.

COMMITTEE REPORTS: MEMBERSHIP

There were no applicants to vote on this month. Paul KC8AMD received an application from Thomas White N8TDI which will be voted on next month.

HOLIDAY PARTY

This evening the Club decided that the next holiday party will be held at the VFW Hall in Northfield Center, thanks to Casey N8FCQ. The hall will cost our Club \$150 and no security will be required for a group our size. The Hall is located on Old Route 8, one mile south of State Route 82. The members have expressed a preference to book a Saturday evening with Sunday evenings considered as our second choice.

PUBLIC SERVICE

Several CARS members participated in a drill with the Great Lakes Search and Rescue of Ohio which uses trained dogs to search for missing persons. The drill was held at the Brecksville VA Hospital. Unfortunately, one young dog got too excited, broke its restraint and got hit by a car on Brecksville Road. This organization has canceled all upcoming drills until further notice.

The Pedal to the Point is next weekend. Contact N8YNR for more information on volunteering.

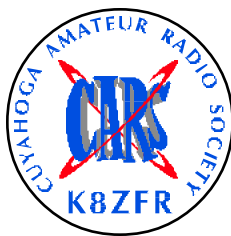
TECHNICAL/REPEATER

Rich N8FIL has received the 220 MHz duplexer that the Club purchased.

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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 to:

The Wobbly Oscillator
1176 Saybrook Drive
Macedonia, OH 44056-2407

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The unit is three years old but is in excellent condition. Rich said this piece of equipment would cost between \$1000 and \$1500 new; we got this unit used for \$150 and the seller also threw in a 220 MHz receiver for free.

The 53.01 repeater is currently not functioning. The 82 repeater is working OK for now. Rich has hopes of building a portable remote input to the 82 repeater to be installed in the Comm-Trailer.

In conjunction with efforts to help the Great Lakes Search and Rescue group, Rich mentioned that the Club has many pagers and reeds that could be used to alert members when assistance is needed. Rich also suggested that certain weather radios can be re-crystalled to receive the 82 repeater which could instead be used for alerting members.

COMM-TRAILER

Paul KC8AMD is planning a work session on the Comm-Trailer at the home of Rich N8FIL on Saturday, August 21st, from 9 a.m. to 3 p.m.

VE REPORT

Gary NI8Z said the next VE session will be on September 12th.

ADJOURNMENT

The meeting was adjourned at 8:38 p.m.



VE NEWS

Gary Dewey, NI8Z

Future Test Dates

The C.A.R.S. VE group will again schedule examination sessions at the Independence TownHall, 6652 Brecksville Rd, Independence, OH. This site has handicap accessibility.

The upcoming dates in 1999 are:

November 14th

Contact Gary Dewey for more information at 216-642-1399 or E-mail to NI8Z@cars.org .



TREASURER'S REPORT

Judy Crane, KC8FHE

MEMBERS ONLY - This article has been edited from the on-line version of the newsletter. C.A.R.S. members may request the full version of the newsletter by sending a request to the editor.



MEMBERSHIP

Paul Valley, KC8AMD

Member applications received:

Name: Thomas G. White

Callsign: N8TDI

Class: Advanced

Address: 30123

City: Bay Village

State: Ohio

Zip: 44140

Type: Family_Member

Family_Member_Callsign: KC8MXI

ARRL Member: Yes

Interested: Disaster Communications

Attend Meetings: Yes

Meeting Programs Suggestion: Apco 25

and Digitale Modulation using voice. What digitale trunking is and how to decrypt it.



FROM THE PREZ'S SHACK

Tom Wayne, WB8N

(The Random Wire)

BACK AT BUSCH

This month we are once again back at Busch F.P. Community Room for our meeting. I have set up the schedule for the remainder of this year and into May of 2000. Having meetings in the park during the summer months is fun and we do get a good number of members attending our picnic meetings, as well as some guests, but it can get a little hectic and is less structured. Once we get going indoors again we will again try to have a program for most meetings.

BUSY BUSY BUSY

Once again we had a busy summer, starting with the bus trip to Dayton, our own Father's Day Ham Fest, and Field Day. Not forgetting other activities such as several public service functions in which several of our members took part in, including Pedal to the Point, and Amateur Radio Day at the ZOO. I cannot report on Pedal to the Point as I did not take part in it, but having talked to a few of our members who were there, it was a success, although not without several mishaps along the route.

C.A.R.S. COMM TRAILER

The Comm Trailer has been moved to the home of Rich James N8FIL, where it will be stored for the foreseeable future. Paul Valley KC8AMD called a work party for Sat. Aug. 21st, in which Paul, Rich N8FIL, Casey N8FCQ, Gary NI8Z Dave KD8V and myself took part, and we managed to get some more of the remodeling accomplished, in spite of the rain. The trailer was very much a part of the Amateur Radio Day at the Zoo which I will mention later. Thanks to Paul, for his never tiring efforts, and to Rich as well. Right now the trailer is being stored outside, but we hope to have it under roof before the snow flies. We need help though

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folks, when a trailer work party is called. We also need the names of members who are capable of pulling the trailer. At this time we do not know the weight of the trailer, but it will be weighed soon. I know that the average van/pickup truck type of vehicle has no problem pulling it. I will be asking for trailer pullers at the next meeting.

AMATEUR RADIODAY AT THE ZOO

On Sat. Aug. 28, the First Annual Amateur Radio Day at the Zoo was held. This was a demonstration of amateur radio to the general public attending the zoo, and several area clubs took part, which included C.A.R.S., LEARA, West Park Radio Ops, Northern Ohio DX Assn., AMSAT, Hamfest Assn. of Cleveland, and the ARRL.

CARS had the Comm. Trlr. there, which was hauled down by Rich, N8FIL, accompanied by Monica N8HTX, and their sons Brian and Michael, and their friend. Also participating from CARS, was Gary N18Z, Jim KB8SQF, Judy KC8FHE, Paul KC8AMD and some of his kids, Ron K8VJG, Dwaine K8ME, Dave KD8V, Sean W8SCC and his wife and kids, Bill AA8WJ, Duncan KC8KQO, and myself.

Sean, Ron and Dwaine are part of the committee organizing the event. Bob Winston W2THU is also a member of the committee, but took part in this event in his capacity of Ohio Asst. Section Manager for the ARRL.

Ron brought his HF rig, Gary brought an R-5 HF antenna, and using the Comm Trlr. to support a mast for the antenna, a HF station was set up just outside the trailer, which was parked by the flamingo exhibit, at the rear of the courtyard as you enter the zoo. We had a 2 meter station in the trailer, another 2 meter station outside, as well as a RTTY HF station, and Sean's satellite station. The station inside the Rain Forest was also manned.

We had a lot of fun, made a lot of radio contacts, and met a lot of people. We had several inquires on how to become a ham, but mostly we brought ham radio to

the attention of the public, who stopped mostly out of curiosity, and asked questions and listened to the contacts being made. Several area hams and their families came down to take advantage of the discount admission offered by the zoo just for amateurs and their families. I wish I had seen some of our members there other than those who were participating in the event. Maybe next year, huh? Plans are under-way to do it again.

C.A.R.S. HOLIDAY PARTY

This year the party will be held on Sat. Dec. 11th, at the Northfield Center VFW Hall. Casey N8FCQ has nabbed us a date, and as he is a member, his price for the hall. We will have a "catered" dinner like we did in the past when we held the party at the church hall.

More to come on this, but mark your calendars. It is always a fun time.

DIABETES WALK AMERICA

The annual Diabetes Walk America event is coming up on Sun. Oct. 3rd. We will need 8 to 10 volunteers for this one again. We have done this event for several years now and it is a worthwhile one. They feed us, give us a T-Shirt, and it is over by noon. Keep that date open on your calendar as well

146.22/82 REPEATER

Many of you have noticed a problem with the 2 meter repeater of late, having trouble getting into it when you had no problem before. Well, Vince N8OVW, our tech/repairman was not aware of the problem until it was brought to his attention, but he got to the repeater site and the problem has been fixed, at least for the time being. As I understand, someone had messed with some of the settings, and there was possibly an antenna problem. The machine is working 5/5 at the time of this writing, and hopefully it will stay that

way for awhile. I am not sure if any repairs, parts replacement, etc. are needed at this time or not. Hopefully, not!

It is impossible NOT to have problems on occasion folks, and the problem cannot always be fixed as soon as it arises. We have to be patient, as frustrating as that may be at times. This is, after all, a hobby, for the repair guy as well as the rest of us. Please keep that in mind

CLEVELAND HAMFEST

The Cleveland Hamfest will be upon us soon, Sunday, Sept. 26th, and as usual, we are being offered a FREE club table at the hamfest. We will need volunteers to man the table for an hour or so during the day. If you have a piece of gear you want to sell, it can be set on the table, and CARS will take a small commission.

We also have to elect a HAM of the YEAR again this year. It should be someone who has contributed to the betterment of the club over the year and in the past, and who will be present at the hamfest to collect his or her plaque. We will be electing the H.O.T.Y at the Sept. meeting.

T.T.F.N.

That's about it for now folks. Catch ya on the air, or at the meeting.

73 for now,
de Tom, WB8N



SOME CARS HISTORY

Philip Ricca, K8MPL

The CARS group was not the first repeater group in Cleveland, but was among the first to organize as a repeater organization. Some of the events of the first years will follow.

An antenna party was held in December, 1969 at the QTH of K8MPL in Independence. A snow storm was in progress that day so you know the antenna installation went well. Some brave souls including Jerry K8AJG, John K8TIA, Ted K8PXR, and others including myself,

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K8MPL, managed to mount a small quarter wave antenna on the house. The antenna went to a GE Progress line receive strip (all tubes) and was connected by a phone line to WA8TTO in Broadview Heights (transmit site).

The receive antenna was upgraded to two half-waves in phase at a later date. Elevation at that site was about 1150 feet and gave us good coverage for the time. However, as time went on the site proved inadequate and was moved to higher ground in Brecksville. The first formal meeting site was at the United Savings Bank in Independence. I had an account at the bank and found that if a group had roots in Independence the meeting room was available at NO CHARGE!

Our funds were very limited at the time so a fund raising event was proposed - a drawing for a basket of spirits. I was the treasurer at the time and was most happy to see some cash flow. Ted Elster, K8PXR, was the happy winner of the drawing held in the parking lot of the Independence Shopping Square. At a later date the meetings were moved to the present site.

Equipment for 2-meters at the time was limited to old taxi-cab or the like GE equipment (energy hogs and weighed a ton - we referred to them as hernia specials!!). They did their job and were considered work horses. Technology moved on and gradually transistor based Motracs and others brought the end of the big rigs. My mobile set-up in the car was very impressive for the time . A large cable with standard telephone head-set was mounted on the dash (very impressive in 1970). Auto-patch came a bit later as the hams blazed the trail for todays cell technology. Having a touch-tone pad on a rig was a big deal at the time.



HAM REUNION

Bob Leskovec, K8DTS

Bob Leskovec, K8DTS, from CWRU, and local radio personality and Chief Engineer of WRMR-WDOK, Ted Alexander, K8VPL will again be running a set of "high school radio club reunion" tables at the Cleveland Hamfest on Sept 26th.

They will be somewhere inside, in the back, and located with the Case Radio Club, W8EDU table. Ted and Bob will be heading up the old St Joe's Radio Club, W8KTZ again, and they again hope to be joined by Ken Kane, KG8DN from Gilmore Academy to handle St Ed's, K8DTR alumni. This year they are especially looking to be joined by people from Euclid High School of the 50's and 60's.

The concept is to use the food and space available at the Hamfest as a convenient way to get people together for "mini" reunions until each club can find enough people interested to put together something a bit more formal of their own.

Anybody from ANY old area high school club is encouraged to join them so that more clubs can continue this concept in future years!

We also hope this will bring people to re-discover hamfests and remind people to come back to ham radio now that maybe they will have a little more time in their approaching retirement years.

Even if you cannot come, contact K8DTS at ralserve@stratos.net, or CWRU at 216-368-4016 to add your name or e-mail address for future notices about such events. —and please, try to spread the word!



SMOKE

Tom Wayne, WB8N

**SMOKE: A SIMPLE EXPLANATION
of ELECTRONIC DEVICES by K8TL**
*reprinted from the GEARVAK BULLETIN
with express permission.*


The scientific community has been relatively successful in keeping secret that the major ingredient of all electronic devices is smoke. Smoke, of course is a combination of earth, air, and fire. Different combinations of these elements are used to achieve the varying characteristics of the different electronic devices. Basically, all matter is made up of earth, air, fire, and water. The physical properties of all things are arrived at by mixing these four elements in differing proportions under a variety of circumstances.

Contrary to history as rewritten by the scientifically elite, smoke and electronic devices are NOT made up of hundreds of imaginary particles that interact with neighboring imaginary particles to create such devices as conductors, insulators, and semiconductors. The scientific community would have you believe that these devices are the result of complex interrelationships that can only be explained by their false mathematics of algebra, calculus, and quantum theory. That is nothing but elitist propaganda.

As previously mentioned, the major ingredient of any electronic device is a strict mixture of earth, air, and fire known as smoke. The smoke is then packaged in a special preparation of different classes of earth such as glass or ceramic, depending upon the characteristics of the smoke that must be confined within. The truth of this is easily illustrated. If an electronic device such as a transistor, is mistreated, the smoke escapes and it is ruined. If a resistor is constructed with an earth coating that sometimes lets out only part of the smoke, it may still function but its resistance has changed. Furthermore, experiments have shown that dark emitting diodes actually draw in smoke while operating.

K8ZFR

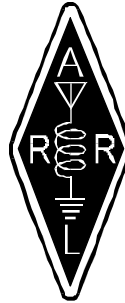
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CLUB FREQUENCIES

70cm repeaters	443.825 MHz	Input 448.825 MHz PL 131.8 Hz
	444.75 MHz	Input 449.75 MHz PL 131.8 Hz
2m repeater	146.82 MHz	Input 146.22 MHz PL 110.9 Hz
2m simplex	146.475 MHz	
2m digipeater	145.07 MHz	Node CARS or K8ZFR
6m repeaters	53.01 MHz	Input 52.01 MHz PL 136.5 Hz
	53.83 MHz	Input 52.83 MHz PL 107.2 Hz
Internet	http://www.cars.org	

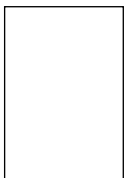


NEXT MEETING

Wednesday, September 15, 1999
 Busch Community Room
 7501 Ridge Road
 South of Pleasant Valley
 Parma, Ohio
 Meeting starts at 8:00 PM



Time to renew your membership?
 Check the expiration date on your address label.



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