



www.cars.org

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April 2001

HELP SAVE AMATEUR RADIO

About twenty-eight years ago on August 4, 1972, the AP index hit 223, the ionosphere was bombarded with all sorts of solar particles with hard-to-pronounce names, and amateur radio was at its peak. It has never been that good since. Also, on that same date, titanium dioxide was first released in a commercial product. It has led inexorably to the decline of amateur radio as we know it. Titanium dioxide is directly responsible for the decline of the AP index, and the resultant decline of amateur radio. It has also led to a horrible decline in well-tanned girl torsos at the beaches of the world.

In the late '60s, a group of individuals who were rankled by the advent of incentive licensing looked for a way to ruin propagation and thus amateur radio forever. Since propagation depends on a solar component known as freckles-del-sol (better known as sunspots), a means of stopping sunspots would destroy amateur radio.

The group discovered the sun-blocking power of a natural chemical called titanium dioxide, but they needed a way to deploy a thin mist of the chemical into the upper reaches of the earth's atmosphere. Since it could be dispersed by evaporation, these diabolical fiends found the perfect means of sending it skyward.

First, they quietly obtained virtually the entire world supply of titanium dioxide, and then they started a rumor in the medical world that the tanning rays of the sun could actually be harmful. Incredibly, in 1972, people would believe anything.

Literally millions of bikini-clad ladies, even on Gilligan's Island, were panicked! After all, it was August, the height of the swimsuit season, and most of them had not nearly amortized their investment in the latest Jantzen bikini, or partial bikini. What could they do?

Meanwhile, the titanium dioxide Cartel had formulated a mixture of their chemical and coconut and put it on the market as not only a sun blocker, but also a means of replenishing critical skin oils depleted by exposure to the sun.

Millions of bikini-owners flocked to purchase the new sun blocker, spread it lavishly on their bodies, and returned to the world beaches. Little did they know the horrible ravages they were inflicting on the E and F layers of the ionosphere, as the gruesome chemical evaporated from their skin and rose into the skies of the world, from whence it ruins propagation on a global scale.

Hams, UNITE! Help take back the ionosphere! Be part of the solution, not part of the problem. Visit your local beaches today and check the skin of everyone for traces of this harmful solution. It can be easily detected by its characteristic coconut smell, and even small concentrations are dangerous. Carefully sniff all bodies on the beaches for traces of this chemical. If detected, throw the offending person in the water to dilute the effects, and burn on the spot any garments known to be contaminated.

Save amateur radio...

...to the beaches, now!

∇8K1G 600G2

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, 3028 Southern Road, Richfield OH 44286

(Do not send dues to this address!)

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FROM THE PREZ'S SHACK

We had a short business meeting to allow more time for Glenn KG8MR to make his presentation. Please note by vote of the members present we have changed the normal CARS meeting time from 8 PM to 7:30 p.m., this change is effective with the April 18, meeting.

Our program director Gary Dewey, NI8Z was ill and not able to attend our meeting, he missed the excellent program he scheduled. Glenn Shore KG8MR and his partner Jay Patel put on a very comprehensive and informative demonstration of their HzWORX software which ended about 10 p.m., and was enjoyed by all.

The refreshment and 50/50 chairman Dave Morley, W8IXY's mother baked kolachkies, we also had some home made cookies, coffee and pop for refreshments. Our 50/50 winner Mark Dunkel KE8BN took home \$26 as his share, Jerry Sanicky N8AZY was the winner of a copy of the HzWORX program donated by Glenn Shore KG8MR and Nick WA8LOB received a pair of Radio Shack headphones as our mystery gift donated by Dave Morley W8IXY.

Hamfest chairman Rich James, N8FIL was not able to make the meeting but is getting a budget together for the board and is having flyers passed out at several other Hamfests.

We have reserved a site for Field Day, it will be at the Shriners picnic area, 1000 East Edgerton Rd, the location is about 500 ft. east of Broadview Road in Broadview Heights. We have lots of room, parking, trees for antennas, a building for refreshments, a very large covered pavilion area, restrooms etc (no grass to cut). Please contact Tom WB8N or Dave W8IXY to join the party, operate, help log, stop by and offer moral support, just come out and have fun. Yes, Field day is a CONTEST, but it's a NON-CONTEST, it is a reason to get the members together for FUN, not just a point score. While we will make every effort to do well, we want as many members as possible to participate and have a great time! It's an excellent opportunity for Tech's and Novices to get some operating experience on the HF bands.

Time is getting short for the CARS bus going to the Dayton Hamvention, contact Gordon KC8IOU to reserve a seat, we have about 20 paid as I am writing this. Remember reserve your seats ASAP, the money is due by April 15.

The ARRL has raised their dues by \$5 per year effective July 1, 2001. You can save money by renewing your ARRL dues for up to five years anytime before June 30, 2001. Please renew or join through CARS, contact Judy Crane KC8FHE ASAP, help CARS and save yourself up to \$25.

I am looking for two volunteers, one to be our ARRL Liaison Officer and another to be Public Information Officer, no experience necessary. It would be nice, but not a requirement to find someone who has a contact with any type of media person in Cuyahoga County (radio, TV, paper, local politician, etc.). If interested, please e-mail or call me on the land-line at 216-524-7711 x102.

That's all till next month, remember; enhance your membership, please attend CARS meetings!

73, Bob, W8GC

APRIL MEETING PROGRAM

At the April meeting, John Perdina from the First Energy Corporation's Technical Service Division will present to the Cuyahoga Amateur Radio Society "Hints and Kinks of Radio Frequency Interference." Many of you who are members of ARRL may have read the April 2001 article on the *Saga of Unshielded Wires*. In that article, one amateur dealt with the "fuming neighbor." John Perdina meets lots of fuming customers. He will give everyone some helpful suggestions and provide useable information to help yourself and the Electrical Energy company when dealing with Radio Frequency Interference.

Remember the meeting time has been moved up to 7:30 p.m. This program should help us all be better neighbors as well as understanding how to get help with Radio Frequency Interference that we are not causing.

VE INFORMATION

Gary Dewey, NI8Z

The March VE session held at the Independence Town Hall saw eight candidates receive two new licenses and three upgrades in operation classification.



Participating VEs were Tom Wayne, WB8N; Steve Riley, N8IS; Ron Borkey Sr, K8VJG; Roger Boehnlein, N8TCP; Robert Check, W8GC, and Greg Kopp, KG8O assisting in this examination.

The next VE session is on Mother's Day. This happens just prior to the Dayton Hamvention. So we will be looking forward to all those wanting to upgrade prior to the BIG one.

COMMUNICATIONS VOLUNTEERS NEEDED FOR THE WALKAMERICA 2001

The March of Dimes will be holding its annual WalkAmerica on Saturday, April 28, please note that this event is the day before the CVS Marathon. This is a walking event held in Downtown Cleveland to raise money for healthier babies. There will be approximately 7,000 people walking the three-mile route through Downtown Cleveland and the Flats.

Communications is required at all rest stops, start/finish and various other critical points along the route. The volunteers are needed from 7:45 a.m. until approximately 1 p.m. A total of approximately 16 volunteers are needed.

This is a fun event where the volunteers are very appreciated and treated well. You will give you a t-shirt, lunch, and more importantly, you'll be helping the March of Dimes to save babies. If you are available to help out, please contact TJ Powell (N8UIR) by email at tjp@tjp.com or at 330-468-1984. We can use all the help we can get.

MEETING MINUTES

Steve Riley, N8IS Secretary

Minutes of the regular meeting March 21, 2001 at the Bush Community Room in Parma, Ohio.

Bob Check W8GC called the March meeting to order at 7:58 p.m. EST.

CHANGES TO THE MINUTES: The codes on the controller was changed at the 82 repeater not the 86. Terry KB8ATC moved to accept the minutes. Seconded by Gordon KC8IOU.

TREASURER REPORT: Judy KC8FHE gave report. Ron K8VJG moved to accept the treasurer's report. Seconded by Jerry N8AZY.

VE SESSIONS: Bob W8GC reports that the next VE Session will be on May 13 (Mothers Day). Gary Dewy NI8Z was unable to attend the meeting.

MEMBERSHIP REPORT: Steve (N8IS) reports that no new membership application have been received to vote on, but several have been answered from the website's on-line application form, at this time no dues have not been sent in to the PO Box.

FIELD DAY REPORT: Tom W8BN reports that Dave W8IXY has contacted Giant Eagle and per approval of the store manager, they should be able to donate some food for Field Day.

HAMFEST REPORT: Rich (N8FIL) was not at the meeting, but has agreed to submit a budget for the Hamfest day.

REPEATER: No report on the repeaters

SUNSHINE CHAIRMAN: Aaron (KC8INE) reports that a card has been sent out to Gary Dewey's wife.

SCHOOL EVENTS: Steve N8IS reports that the Independence Middle School is going to apply for a Federal Grant and thought that CARS might be interested some way be involved in the process, more contact will be made for more details. Dave W8IXY has said that he could help set up computer for the tracking of the International Space Station.

**We really need some practice on equipment set up and trial contacts through the use of satellites prior to showing up at the schools for the contacts ... So I ask anyone with experience or the willingness to learn, contact myself or Dave Dressler KD8V so that we can start getting some practice.

DAYTON BUS TRIP REPORT: Gordon Kolus (KC8IOU) reports that 20 people are on the list for the bus tickets, 12 have paid. So send your reservation and money in as soon as possible or call 330-225-6917. Money should be in by April 15. There is enough room for 42-47 people max.

REFRESHMENT/RAFFLE: Dave W8IXY collected \$52 for the 50/50 raffle. The winning ticket was drawn by Dave W8IXY and the winner of \$26 was Mark KE8BN. Second drawing was also done for the CD Rom version of HzWorks (donated by Glen Shore) and was won by Jerry S. N8AZY Third drawing was done the mystery prize was won by Nick Markovic WA8LOB (it was a set of Radio Shack Vox head set. Thanks Dave W8IXY for the mystery prize.

WEB SITE NEWS: Greg (KG8O) no report was given. For all who have not seen the updates please check it out at www.cars.org.

PROGRAM PRESENTATIONS: Bob W8GC introduced Glen Shore KG8MR who demonstrated HzWorks program.

OLDBUSINESS: Bob W8GC reports that the key for Wade

Park is in our possession and anyone wishing to get ID Badge and parking pass contact Gary Dewy NI8Z also reporting that we have mouse pads with the CARS logo for \$7 each that normally sell for \$10 at the Hamfest.

NEW BUSINESS: Ron K8VJG moved we change our regular meeting time from 8 p.m. to 7:30 p.m. Seconded by Roy KB8VJF, motion passed.

Glen KG8MR also discussed the antenna ordinances being passed by Cleveland and Brecksville cities.

ADJOURNMENT: Terry KB8ATC moved to close the meeting Ron K8VJG seconded. Meeting was adjourned at 8:30 p.m. EST.

MEMBERSHIP NOTICE

Steve N8IS/Membership Chairman

As of March 21 there are a total of 117 members at CARS.

**** Special Note ****

Please look to see if your dues are up for renewal.

If you receive the WO via U.S. Postal Mail

your expiration date is on the label .

If you receive the WO via e-mail

then please look at the website roster

*to see if **you are in the red** (your dues are due)*

or contact Judy Crane KC8FHE

if you not sure when your membership will expire.

Thanks for your continued support.

TREASURER'S REPORT

Judy Crane, KC8FHE

**This information is for the benefit
of C.A.R.S. members only.**

Just a reminder the following members dues have expired in March or will expire in April: KB8VJF, KC8BOJ, KC8LDI, KC8LEO, KC8LZO, KC8LZP, KC8NRS, N8DMK, WB2TDC

PLEASE SEND DUES TO:

C.A.R.S.

P.O. Box 31264

Independence, OH 44131-0264

REMINDER

ARTICLE III - SECTION I : (a) Dues of \$20.00 per year shall be paid by all Full and Inactive Members; (b) Dues by members of the family will be \$5 per family member, providing the Full Member dues has been paid in full for the membership year.

SECTION 2: (b) Full Members who are two months behind in dues will automatically become inactive members; (c) Notification of dues payment requirement will be made in the WO and on the CARS webpage one month prior to the end of the membership year.

UPCOMING EVENTS

CARS Meeting Wednesday, April 18 7:30 p.m. . . Busch Community Room, 7501 Ridge Road
 MS Walk Downtown Saturday, April 28 . . 8 a.m.-2 p.m. . Cleveland; Coordinator TJ Powell, N8UIR, 330-468-1984
 CVS/Pharmacy Marathon & 10K. Sunday, April 29 Contact Bob Winston, W2THU, 216-771-3314
 Athens, OH Hamfest Sunday, April 29 Contact Drew McDaniel W8MHV, 740-592-2106 email dmcdaniel1@ohiou.edu
 Canfield Hamfest Sunday, April 29 Contact Don Stoddard, 330-793-7072 N8LNI1@juno.com; Talk-In 147.315+
 CARS VE session: Sunday, May 13 9:00 a.m. . . VE Independence Townhall; Contact NI8Z 216-642-1399
 CARS Meeting Wednesday, May 16 . . 7:30 p.m. . . Busch Community Room: Program -video on Heil Sound Technology
 Dayton Hamvention May 18, 19, 20
 VE Elyria Sunday, May 20 Contact Chuck Hall 440-327-3832
 Goodyear Hamfest Sunday, June 10 Contact Rick Kuster 330-688-3589; Talk-In 146.985- or 146.52 simplex
 CARS Hamfest Sunday, June 17 . . . 8 a.m.-1 p.m. . Nordinia HS; Talk-In 146.82; Contact Rich James, N8FIL, 330-468-2035
 CARS Picnic Meeting Wednesday, June 20 . . 5-9 p.m. . . Oak Grove Picnic Area, Brecksville Metropark
 Field Day June 23, 24 Shriners Picnic Area, Broadview Heights
 March of Dimes Motorcycle Ride Sunday, June 24 . . . 8 a.m.-2 p.m. . Coordinator TJ Powell, N8UIR, 330-468-1984

EXECUTIVE BOARD

OFFICERS

PRESIDENT:

Bob Check - W8GC
 President@cars.org

VICE-PRESIDENT:

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

SECRETARY:

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

TREASURER:

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

BOARD OF DIRECTORS

ODD YEAR EXPIRATION

Gordon Kulus - KC8IOU
 330-225-6917 or KC8IOU@cars.org
Terry Pillatt - KB8DTC
 330-273-1043 or KB8DTC@cars.org

EVEN YEAR EXPIRATION

Bill Koenig - AA8WJ
Ron Borkey - K8VJG
 440-237-6718

LICENSE TRUSTEE

Monica James - N8HTX
 330-468-2035 or Trustee@cars.org

Send E-mail to all C.A.R.S. officers at
 Officers@cars.org

STANDING COMMITTEES

** denotes chairman*

AMERICAN RED CROSS DISASTER LIAISON

Ev Chitester* - WA8EYF
 216-581-3657

CARS QSL MANAGER

Tom Wayne* - WB8N
 440-232-4193

COMMUNICATIONS TRAILER

Rich James* - N8FIL
 330-468-2035

COMMUNITY EDUCATION & SCHOOL PROGRAM

Dave Dressler* - KD8V
 330-666-8721

Tom Wayne - WB8N
 440-232-4193

Paul Valley - KC8AMD
 440-237-8116

Steve Riley - KC8GCA
 216-328-9276

Ron Borkey - K8VJG
 440-237-6718

DAYTON BUS

Gordon Kulus* - KC8IOU
 330-225-6917

DIGIPEATER

Tom Wayne* - WB8N
 440-232-4193

FIELD DAY

Tom Wayne co* - WB8N
 440-232-4193

Dave Morley co* -W8IXY
 440-884-0650

Mike Thomas - KB8BMY
Aaron Clark - KC8INE
 440-526-9705

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 (ex KC8GCA)

NET

Phyllis Collins* - KC8DVL
 216-883-3718

PROGRAM DIRECTOR & ELMER PROGRAM

Gary Dewey* - NI8Z
 216-642-1399

REFRESHMENTS & 50/50 AT MEETINGS

Dave Morley* - W8IXY
 440-884-0650

REVIEW CONSTITUTION & BY-LAWS

Gary Dewey* - NI8Z
 216-642-1399

Glen Shore - KG8MR
 330-425-9762

Ev Chitester - WA8EYF
 216-581-3657

Roger Boehnlein - N8TCP
 440-843-6723

SUNSHINE (WELFARE)

Aaron Clark - KC8INE
 440-526-9705

TECHNICAL/VA HOSPITAL

Rich James* - N8FIL
 330-468-6021

Roy Hadden - KB8VJF
 330-468-3020

VE EXAMS

Gary Dewey* - NI8Z
 216-642-1399

WEB SITE/E-MAIL

Greg Kopp* - KG8O
 216-577-1388

WO/NEWSLETTER

Russ Schneck - KC8IHS
Monica Schneck - KC8IYM
 330-659-3889
 newsletter@cars.org

Now Playing at the Star Nearest You: The Largest Sunspot in 10 Years!

WASHINGTON, DC, Mar 30, 2001 (NASA)—A huge sunspot, thirteen-times larger than the surface area of the Earth and growing, has now rotated with the Sun to face our planet. The sunspot, which is the largest of the current solar cycle, is also the largest to appear in a decade.

The area of the Sun, designated AR 9393, has been a prolific generator of stormy solar activity, hurling clouds of electrified gas towards Earth, producing four explosions, called flares, and spawning storms of high-speed particles in space.

The largest of the four flares occurred at 4:57 a.m. EST on Thursday, March 29, and was rated as an X-class flare, the most potent designation. The other three flares were rated M-class, second only to the X-class. An eruption near AR 9393 hurled a cloud of electrified, magnetic gas towards Earth on Wednesday. This eruption, called a Coronal Mass Ejection may cause auroral displays and magnetic storm activity when it impacts the Earth's magnetic field sometime Friday. Another Earthbound CME associated with the X-class flare was seen at 5:26 AM EST March 29 and is expected to arrive on Saturday.

“Sunspots with complex magnetic field structures like those in AR 9393 can generate big flares, and sure enough, we just had a powerful X-class flare from this area,” said Dr. Joseph Gurman, at NASA's Goddard Space Flight Center, Greenbelt, Maryland, project scientist for the Solar and Heliospheric Observatory (SOHO) spacecraft. SOHO is one of a fleet of sun-observing spacecraft now tracking this region and its activity.

Sunspots are darker areas on the visible surface of the Sun caused by a concentration of distorted magnetic fields. The strong magnetic field slows the flow of heat from the Sun's interior and keeps sunspots slightly cooler than their surroundings, causing them to appear dark. The number of sunspots increases and decreases as the Sun's 11-year cycle of stormy activity rises and falls. Violent solar activity is believed to be caused by the release of magnetic energy, and powerful solar eruptions and flares often occur near the enhanced magnetic field of sunspots.

Solar flares, among the solar system's mightiest eruptions, are tremendous explosions in the Sun's atmosphere, capable of releasing as much energy as a billion megatons of TNT. Caused by the sudden release of magnetic energy, in just a few seconds flares can accelerate solar particles to very high velocities and heat solar material to tens of millions of degrees.

Coronal mass ejections are clouds of electrified magnetic gas weighing billions of tons, hurled into space at speeds of 12 to 1,250 miles per second. Depending on the orientation of the magnetic fields carried by the ejection cloud, solar explosions cause magnetic storms by interacting with Earth's magnetic field, distorting its shape and accelerating electrically charged particles trapped within.

Severe solar weather is often heralded by dramatic auroral displays, but magnetic storms are occasionally harmful, potentially affecting satellites, radio communications and power systems. Coronal mass ejections and flares can produce storms of high-velocity particles. The ejections are believed to produce longer particle storms than flares, storms that sometimes last for days, as they plow through the slower solar wind at supersonic speeds, creating a shock wave that accelerates electrically charged particles.

The SOHO project is an international cooperative program between NASA and the European Space Agency in the framework of the international Solar Terrestrial Science Program.

Movies and images of this solar activity will be broadcast today on NASA Television, which is broadcast on satellite GE-

2, transponder 9C, C-band, located at 85 degrees West longitude. The frequency is 3880 MHz, with vertical polarization and monaural audio at 6.8 MHz.

For more information on the sunspot, visit <http://www.spaceweather.com/>. —NASA

The Sun Does a Flip

NASA scientists who monitor the Sun say the Sun's magnetic north pole, which was in the northern hemisphere just a few months ago, now points south. It's a topsy-turvy situation, but not an unexpected one. “This always happens around the time of solar maximum,” says David Hathaway, a solar physicist at the Marshall Space Flight Center. “The magnetic poles exchange places at the peak of the sunspot cycle. In fact, it's a good indication that Solar Max is really here.”

The Sun's magnetic poles will remain as they are now, with the north magnetic pole pointing through the Sun's southern hemisphere, until the year 2012 when they will reverse again. This transition happens, as far as we know, at the peak of every 11-year sunspot cycle — like clockwork.

Earth's magnetic field also flips, but with less regularity. Consecutive reversals are spaced 5 thousand years to 50 million years apart. The last reversal happened 740,000 years ago. Some researchers think our planet is overdue for another one, but nobody knows exactly when the next reversal might occur.

Although solar and terrestrial magnetic fields behave differently, they do have something in common: their shape. During solar minimum the Sun's field, like Earth's, resembles that of an iron bar magnet, with great closed loops near the equator and open field lines near the poles. Scientists call such a field a “dipole.” The Sun's dipolar field is about as strong as a refrigerator magnet, or 50 gauss (a unit of magnetic intensity). Earth's magnetic field is 100 times weaker.

“Meridional flows on the Sun's surface carry magnetic fields from mid-latitude sunspots to the Sun's poles,” explains Hathaway. “The poles end up flipping because these flows transport south-pointing magnetic flux to the north magnetic pole, and north-pointing flux to the south magnetic pole.” The dipole field steadily weakens as oppositely-directed flux accumulates at the Sun's poles until, at the height of solar maximum, the magnetic poles change polarity and begin to grow in a new direction.

The ongoing changes are not confined to the space immediately around our star, Hathaway added. The Sun's magnetic field envelops the entire solar system in a bubble that scientists call the “heliosphere.” The heliosphere extends 50 to 100 astronomical units (AU) beyond the orbit of Pluto. Inside it is the solar system — outside is interstellar space.

Or so the theory goes.... Researchers have never seen the magnetic flip happen from the best possible point of view — that is, from the top down. But now, the unique Ulysses spacecraft may give scientists a reality check. Ulysses, an international joint venture of the European Space Agency and NASA, was launched in 1990 to observe the solar system from very high solar latitudes. Every six years the spacecraft flies 2.2 AU over the Sun's poles. No other probe travels so far above the orbital plane of the planets.

“This is the most important part of our mission,” Hathaway says. Ulysses last flew over the Sun's poles in 1994 and 1996, during solar minimum, and the craft made several important discoveries about cosmic rays, the solar wind, and more. “Now we get to see the Sun's poles during the other extreme: Solar Max. Our data will cover a complete solar cycle.”

THE RANDOM WIRE

by Tom Wayne, WB8N

CQ DX CQ DX CQ DX

Well, the day is fast approaching DX fans! During the week of April 15, I should be on the island of Nassau in the Bahamas, if everything goes right, and I am taking a portable HF station with me to operate while I am down there.

My wife and I will be spending most of our time relaxing at the pool and on the beach, drinking exotic drinks and Caribbean beer and just enjoying ourselves in general, but I intend to spend at least an hour or two in the afternoon and/or evening doing some operating.

I will be operating as C6/WB8N. I intend to set up the station on the patio or balcony of our room at the resort. I won't know until we get there what kind of unit we will be in or where it will be located at in relation to the ocean, but with any luck I'll at least be able to SEE the ocean! I will most likely be operating at around 4 P.M. local time here until around 5 or 6 P.M. I have capability to operate on 10, 12, 15, 17, 20, 30, and 40 meters on either Single Side Band (voice), Morse Code (cw) and Am or FM as well. I plan to work mostly 10 meters, as that band should be open at the time of day I will most likely be operating.

I will set up a sked (schedule) with those of you who want to before I depart. I know that Gary Dewey and Dave Dressler want to set up a sked for sure. Perhaps Ron Borkey, Duncan St. Ives and Roy Hadden as well. I won't be at the next meeting, so give me a phone call on the good ole land line and I'll be happy to try to accommodate you.

I am looking forward to operating my own little DXpedition and being on the other end of a pile-up (with any luck) for a change. Should be interesting. I hope I don't cause too much TVI or other forms of rf interference with the other resort guests. I will probably be operating as a clandestine station, since I most

likely will not be seeking the permission of the resort management as I don't want to take the chance they will tell me I can't operate. What they don't know won't hurt them, is my philosophy. I will try to have some photos to put in the next issue of the W.O. along with an article telling of my DXing exploits from an exotic location.



STAY TUNED FOLKS

That about does it for this issue. Short and sweet for a change. Well, short anyway.

Hope to see you all at the May meeting or catch you on the air before that. The May meeting is the day before some of us will be leaving for the Dayton Hamvention. I am champing at the bit for that excursion as well! For those of you who have never been down there or who cannot spend the entire weekend there, please try to take advantage of the C.A.R.S bus trip to the Hamvention. It is an experience every ham should have at least once in their ham lifetime! The bus ride makes it simple. All you have to do is make your reservation, send for your ticket to the hamvention (or get it at the door, but it costs a few dollars more), and be there when the bus leaves for Dayton, early the morning of Saturday, May 19. You can catch some shuteye on the trip down, the driver stops so you can have breakfast, and gets you to the door of the Hamvention before the doors open at 8:00 A.M. You can take in the flea market and the indoor exhibits and when you are tired, you can go back to the bus and catch a nap if you so desire. The bus leaves for home late Saturday afternoon and you will be back home late Saturday night. It is a fast paced way to do it, but it is worth your while if you have no other option. Get in touch with Gordon KC8IOU and let him reserve a bus seat for you! They are going fast! Get it while you still can! (How's that, Gordon?)

73 for now,
de Tom, WB8N

WEDNESDAY NIGHTS CARS NET

146.82

7:00 P.M.



Tenth Annual Father's Day

Sunday
June 17, 2001
 8:00 AM to 1:00 PM
Vendor set-up starts at 6:00 AM.

Nordonia High School
 8006 South Bedford Road
 Macedonia, Ohio

Near Route I-271 Exit 18
 Between Cleveland and Akron



**Hamfest,
 Computer Show
 and Electronics
 Flea Market**

Tickets are \$4.00 advance,
 \$5.00 at the door.

PRIZES PRIZES PRIZES PRIZES PRIZES PRIZES

Grand Prize
 \$400 Gift Certificate

Check-in Prize
 Drawing at 11:30

Door Prizes

Drawings at 10:00, 11:00 and 12:00

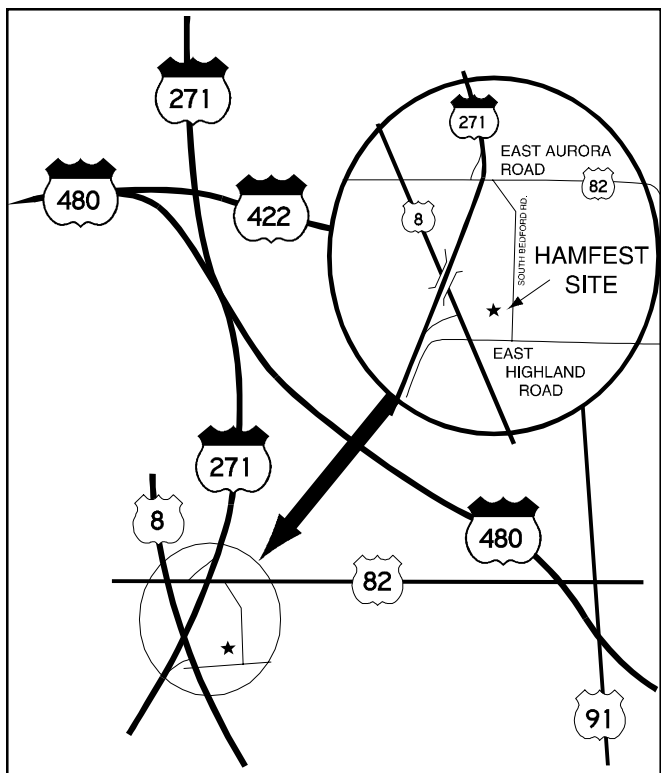
Ham Raffle

Drawing at 12:30

Certificate for a Honey-Baked Ham

Talk-in 146.82(-) Repeater

Winner need not be present for Grand Prize Drawing



**Information
 and
 Indoor or Outdoor
 Vendor Space Reservations**

Indoor vendors registered by March 31
 receive their first table and admission free.

Call or FAX

Rich James, N8FIL
 330-468-6021

Send U.S. Mail

Cuyahoga Amateur Radio Society
 PMB 133
 526 W. Aurora Rd.
 Sagamore Hills, OH 44067

Send E-mail

Hamfest@cars.org

C.A.R.S. WWW Home Page

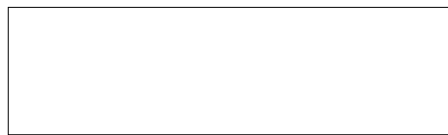
<http://www.cars.org>

THE WOBBLY OSCILLATOR

April 2001

Club Frequencies

70cm repeaters	443.825 MHz	Input 448.825 MHz PL 131.8 Hz
	444.750 MHz	Input 449.750 MHz PL 131.8 Hz
2m repeater	146.820 MHz	Input 146.220 MHz PL 110.9 Hz
2m simplex	146.475 MHz	
2m digipeater	145.070 MHz	Node CARS or K8ZFR
6m repeaters	53.010 MHz	Input 52.010 MHz PL 136.5 Hz
	53.830 MHz	Input 52.830 MHz PL 107.2 Hz
Internet	http://www.cars.org	



TIME TO RENEW YOUR MEMBERSHIP?
CHECK THE EXPIRATION DATE ON YOUR
ADDRESS LABEL.

The Wobbly Oscillator
P.O. Box 31264
Independence, OH 44131-0264

