



PORTAGE AMATEUR RADIO CLUB



"Public Service Through Amateur Radio"

March/April 2000

Winter Is Here-Spring is On The Way

Editor - KB8UUZ

P.A.R.C. OFFICERS

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- 1-Dave DeSimio-WA8GCF
- 2-Roger Steiner-KB8JHS
- 3-Steve Georges-N8XIB

P.A.R.C. Nets & Repeaters

ARES Net - Sunday - 8:30pm
145.390 MHz

Simplex Net - Tuesday - 9pm
145.680 MHz

Club Repeaters

145.390 MHz

442.875 MHz

Located in Ravenna, Ohio

The PARC newsletter is issued 6 times per year.

Contact Tom - KB8UUZ to submit your inputs for the newsletter.

Restructuring of the Amateur Radio Licenses is here. April 15th is when the new licensing structure goes in to effect. There will be 3 classes of licenses: Technician, General, and Extra. The CW requirement will be 5 words per minute for General and Extra classes. A number of the club members have been going out and taking their upgrade examinations and getting ready for April 15th to roll around so they can re-register their upgrade and start enjoying their new privileges. By the time this newsletter gets out, there will still be some time left before the April 15th date. After April 15th, there will be new tests to study for. In some cases, the tests will be harder than the tests before April 15th. In any case - get out there and upgrade! With spring coming in the hamfest activity will be picking up. Plan to attend a local hamfest and get out and see some of the people you have been talking to over the radio. Don't forget the ARRL 2000 Convention will take place at the Dayton Hamvention this year. The Hamvention is always a lot of fun and the flea market is like no other in the world. We are fortunate that we live so close to Dayton. Many Hams all over the world just dream about going to Dayton. You can have a one day trip there and still get to see a lot. So start making plans, you'll be glad you went there.

Inside this issue of the club newsletter you'll find some information on those things called Grid Squares. I even managed to get a good grid map of the United States so you can start keeping track of grids contacted and confirmed. With Spring on the way so comes the possibility of foul weather - Tornado season will be upon us soon. To help keep us all sharp and to remind us what it is we are looking for in the way of clouds, there will be a SKYWARN presentation at the April 22nd club meeting. Even if you an 'old hand' at this stuff, you just may learn a few new facts to help out. Have FUN enjoying this great hobby of ours.

Until next time - Take Care & 73

Tom - KB8UUZ



SECRETARY'S CORNER

Hope all of you had a very enjoyable St Patrick's Day. despite the snow the 17th rolled in with sunshine! A good sign I think! If you missed the last meeting of the Portage Amateur Radio Club, you missed another good one. We had compass reading practice, just to wet the appetite for compass reading. A real must if you ever decide to "take a walk on the wild side"---the compass reading was demonstrated by well qualified Dave DeSimio, WA8GCF, the idea of this was simply to find out how many members would be interested (seriously) in learning the "ways of the compass" and Larry, WD8MPV, explained how to use a compass with a "map". Now here is where it gets interesting, there were many there who "could care less" about these two things, and then there were those who have "a great interest" in learning the "hows" of mastering map and compass reading The main reason for a "quick lesson" on the two was to establish just who would be interested in the classes, then we would plan some "real serious" lessons. So if you missed the meeting and would like to attend some classes on map and compass reading just attend our next meeting coming up the 22nd of this month. How many of you remembered that March 8th was Tornado Day? Did you listen for the sirens and emergency Broadcast stations on the "air"? Hamfair 2000 is shaping up really great. We have some dealers signing up already, the papers have all been filed with the Fairgrounds (you know the usual insurance, lease agreements, etc. etc) Yours' truly has all this taken care of and we are ready to pass out the fliers, sell the tickets and promote Portage Hamfair 2000! NOW here is where you come in we need volunteers, volunteers, and volunteers let's make this Hamfair a successful one again. You can do your part for your CLUB by volunteering TODAY!! If you haven't already volunteered for a SPOT with Hamfair 2000 DO IT TODAY CALL ME 330-274-8240 I have tickets for you to sell, fliers for you to pass out wherever, and we have envelopes to stuff with letters, and cards to stamp. A never ending list of "to do" for Hamfair 2000. Call now to volunteer to help make this one of our BEST Hamfairs ever! Bill Kail, W8OQT, announced he is the person to see about participating in the Parenting Fair. It is a one day Show & Tell for Kids and Parents. Our members participated in this event last year, and Bill needs volunteers to set up a booth on Amateur Radio and represent our Club at this event. It is on the 8th of April and will be held at the First Methodist Church in Kent. Bill has taken on this assignment and really needs some volunteers to help-out. Many of our Members have taken advantage of the License Restructuring that just went into effect. Many really hit-the-books and went to various VE Exam sights and passed the test for upgrades. Questions for the new Amateur Radio license exams have been released. These new questions take effect on April 15th, 2000. The old question pool will become obsolete on that date. The element 2 and 3 examinations contain 35 questions; element 4 exams contains 50 questions. The questions can be downloaded via Internet from the ARRL at <http://www.arrl.org> CONGRATULATIONS TO ALL WHO HAVE UPGRADED!

GOOD LUCK to those who are planning to UPGRADE! OH! almost forgot -Element 1 is the NEW 5-wpm code examination required for the General and Extra Class licenses. Our club calendar is really starting to have many dates filled in as we move quickly into the new year 2000! Attend the club meetings as often as you can, read your newsletter, and check into our nets every week for up-to-date information about our "club happenings".

Well, that's it for this time around - remember the club meeting - CU

Joanne - KJ3O Secretary – Treasurer

FORM 610 PHASE OUT

Form 610 will phase out February 16, 2000. The FCC has issued a reminder that Amateur Radio applicants must start using the Universal Licensing System (ULS) forms (Forms 605, 606) starting February 17. There is one exception: FCC Form 610B Club Station application will continue to be valid until the FCC finalizes its privatized club station call sign administrator program.

From ARRL

FROM OUR U.K. CORRESPONDENT

Greetings from Cornwall U.K. Well it seems for some reason I missed adding a article to the club magazine, so though it is a little late, I pass on to each and every one of you, the Very Best Wishes for a Happy Prosperous New Year. The band conditions on 18 meters so far this year has been rather disappointing to say the least, I have not been able to make one single QSO with my good friend NB8Y Bill in Iowa, even though I have been monitoring our sked frequency practically every day, so where have all these predictions of good propagation got to I ask myself, maybe some of you club members can let me know what conditions have been like from your side. Ten meters, has several sporadic openings into the United States but certainly nothing to speak of, we were under the illusion, that we are at the top of the eleven year cycle, personally the guys on this side of the pond seem to think we are, except of course myself. I think it will be at least another two years before we reach the top of the peak, I certainly hope so anyway. There are a lot of pirate stations operating on AM on 10 meters, these people seem to be operating a lot of power, and are transmitting from the European Continental Countries, none of the governments over there seem to take any notice of this practice, but we U.K. amateurs know that if we were doing this kind of thing, our stations would soon be shut down, but I guess that is because like fools we are, we stay within the so called law of this Country. I sent away last August for entry forms for the "2000 London Marathon" yes I got lucky and my application came through in December, so with luck

Portage Amateur Radio Club, will have a runner in the twenty-six mile race through the streets of our Capital on April 16th this year. My daughter also applied, but she was not accepted, but things turned out for the better, when we both joined the local road running club, "Falmouth Road Runners", the club had one automatic entry place, so they elected my daughter to have it and represent the club, so we are both running. We train with the club on Wednesday evenings, by running up and down the hills here in our area, and Sundays we got out together pounding our way around the lanes, getting in around ten to twelve miles without stopping for a break, my weekly average since I started my training last September, has crept up from six miles per week, to the present mileage of close to thirty miles, and may I add, I feel better for all the exercise. We have already competed with members of our club in two road races this year, one of six miles, and the other of seven miles, and we did not come anywhere near last, this Sunday we travel the fifty miles up to the City of Plymouth to take part in a ten mile road run all around the City, taking in the actual area of where the Pilgrim Fathers set sail to the Americas, very scenic but of course like every circuit around our area, we will be getting our share of hills. We have several races to compete in before the big one in



is one we have to do, may I add for all the younger members of Portage ARC who will be reading this article who feel that thirty mile per week running is no big deal, take my age in account at 68 years young, and then do a mile running in eight point 30 minutes! ! I have enclosed a couple of pictures with this article, one of myself taken as I was coming up to the finish of a seven mile race, the other of my daughter and myself sporting our finishers medals. So remember, that if you should turn on your television sets to watch the "London Marathon" in April somewhere in the thousands who start, hopefully I can complete the course, and get the medal. My daughter and myself, are running in aid a of a worthwhile charity called C.L.I.C. (Cancer, Leukemia, in Children) , out of the thousands of Charities seeking money we found this one was the one we wanted. If any member of you have access to a computer with Internet, we have some lovely pictures and information of our running club here in Falmouth, the web page can be found at <http://www.falmouthroadrunners.nasha.com/>

try it sometime. Well certainly nice to be able to add my share of articles to the newsletter, it may be of interest I do not know, but I hope it is.

Best 73 es 88

Don Bristow – G0EOH

Don't Forget – The regular meetings of the Portage Amateur Radio Club are on the 4th Wednesday of the month. Meetings start at 7:00 pm. Place: Portage County Justice Center - 8240 Infirmary Road, Shalersville, Ohio. Bring a friend! – Next Meetings: January 26, February 23, March 22, April 26, (you get the picture – every 4th Wed.)

FCC ENFORCEMENT REPORT

Did You Listen During The Ohio Y2K 75M Net?

DORAVILLE, GA: The FCC wrote Amateur Extra licensee Michael D. Adams, AE4FB, on January 11, 2000, requesting that the licensee respond within 20 days to a complaint regarding interference to a net December 31, 1999, on 75 meters. The letter enclosed a complaint alleging deliberate interference to an Amateur Radio Emergency Service "Y2K Standby Net" operating on 3.878 MHz in Ohio. The complaint--from Rick McKee, KC8AON, reported that Adams "continuously interfered with the net by calling other stations with CW while the NCS was attempting to receive traffic." FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth said the information Adams provides will be used to determine what action the FCC takes in the matter. He invited Adams to contact him to discuss the inquiry.



Northern Ohio

PARMA, OH: The FCC sent a Warning Notice November 30, 1999, to Technician licensee Darren M. Turk, KC8CYG, citing monitoring evidence alleging that the licensee had been "deliberately and maliciously interfering with radio operations of repeater systems belonging to the Lake Erie Amateur Radio Association." The FCC said the interference has occurred at various times since March 1999 and includes "interference by random touch tones and by the dialing of telephone numbers for the purpose of bringing up the telephone carrier intercept message and off-the-hook announcement." The FCC said the interference also included unidentified transmissions. FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth warned the licensee that operation of the type described would not be tolerated and that additional incidents could result in a fine, license revocation proceedings, and seizure of equipment.

From the FCC Enforcement Report

UPCOMING HAMFESTS

26 Mar 2000 - Lake County ARA Madison, OH -
Contact: Roxanne, N8BC - 7480 Fern Drive -
Mentor-on-the-Lake, OH 44060-3233 - Phone: 440-
209-8953 - Email: tbrown@ncweb.com

9 Apr 2000 - Two Rivers ARC -
<http://www.gsl.net/w3oc> - Contact: Michael
Kowalcheck, KV3L - PO Box 225 - Greenock, PA
15047-0225 - Phone: 412-751-9657 - Email:
w3oc@nb.net

19-21 May 2000 - ARRL National Convention -
Dayton ARA - <http://www.hamvention.org> -
Contact: Dave Coons, WT8W - 932 Hedwick St. -
New Carlisle, OH 45344 - Phone: 937-849-0604 -
Email: wt8w@arrl.org

4 Jun 2000- Breezeshooters ARC -
<http://www.breezeshooters.net> - Contact: H. Rey
Whanger, W3BIS - 120 Cove Run Road - Cheswick,
PA 15024 - Phone: 412-826-8006
- Email: w3bis@breezeshooters.net

11 Jun 2000 - Twenty Over Nine ARC - Contact:-
Don Stoddard, N8LNE-55 South Whitney-Youngstown,
OH 44509 - Phone: 330-793-7072 - Email:
n8lne1@juno.com -Canfield, OH

11 Jun 2000 - Goodyear ARC - Contact: Fred
Mealy, KC8BQX-PO Box 1264 - Bath, OH 44210 -
Phone: 330-665-4563 - Email:
fmealy@earthlink.net

9 Jul 2000 - North Hills ARC -
<http://www.nharc.pgh.pa.us> - Contact: Keith
Ostrom, KB3ANK - 205 Poplar Drive - Pittsburgh,
PA 15209 - Phone: 412-821-4135

10 METERS IN PORTAGE COUNTY

Ten Meters is alive and well in Portage County. Come on up to 28.375 (+/- 10Kc for QRM) every Wednesday evening at 7:30 pm local time. Join in the local group, we would like to hear from you. It's not a real 'Net' at this point, just a friendly gathering place to say hello and what's new.

Roger – KB8JHS

GRID SQUARES

A grid square measures 1° latitude by 2° longitude and measures approximately 70 × 100 miles in the continental US. A grid square is indicated by two letters (the field) and two numbers (the square), as in EN91, the grid square where most of Portage County resides (note the bottom edge of EN91 is a bit north of the Portage County line – check your map). Each subsquare is designated by the addition of two letters after the grid square, as EN91jk. These more precise locators are used as part of the exchange in the 10-GHz contest. They measure 2.5

minutes latitude by 5 minutes longitude, roughly corresponding to 3 × 4 miles in the continental US.

Finding Your Latitude and Longitude

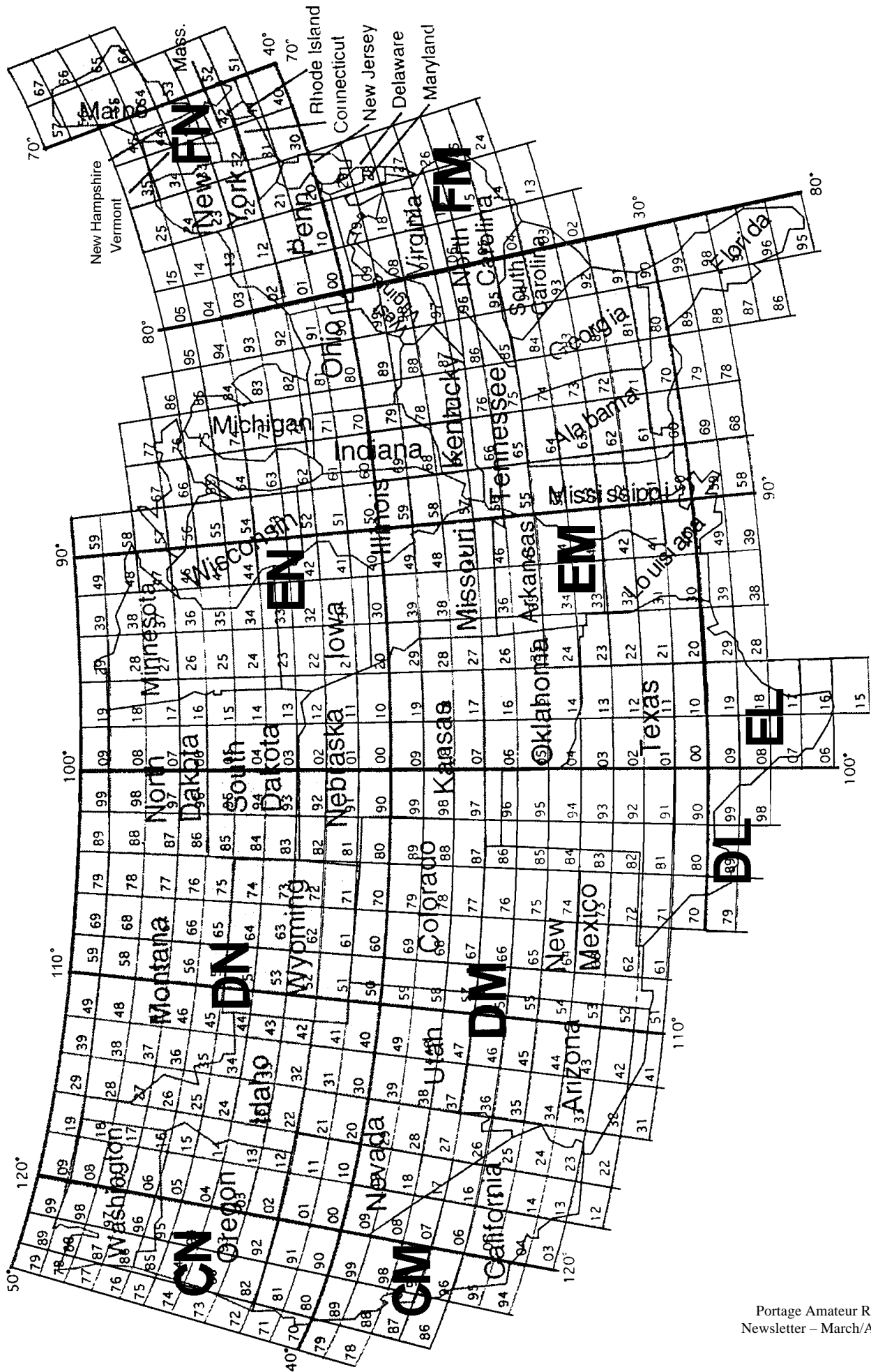
How you go about finding your latitude and longitude depends to some extent on whether you want to know your 4-digit grid square or your 6-digit grid square. Finding a 6-digit grid square requires considerably more precision in latitude and longitude. The 4-digit grid squares covers a pretty big area, while the 6-digit grid square is fairly small. The actual size of a grid square depends on the particular location, as the 1° of longitude represents different distances at different latitudes; longitude lines are closer together at the Earth's poles than at the equator. The first step, then, is finding your latitude and longitude as accurately and precisely as you can. There are several common methods for doing so: Use a topographic (or topo) map. These maps contain both elevation data, by means of contour lines, and location via coordinate systems. Topo maps of US areas are available from the US Geological Survey (USGS). The most useful series of maps for finding latitude and longitude are the 7.5-minute maps, each of which covers an area of 7.5 minutes of longitude by 7.5 minutes of latitude. Most of these are at a scale of 1:24,000 (1 inch = 24,000 inches, or 2,000 feet). These maps usually include two coordinate systems to define location. For finding your grid square, use only the latitude and longitude system. To obtain the 7.5-minute map that covers your location, you need to determine the reference code, map name and state. Contact USGS for information about pricing and how to order topo maps. Many outdoor, sporting-goods and camping stores also sell USGS 7.5-minute maps. If you know someone that has a GPS (Global Positioning System) receiver, have them come over to your location. The GPS will then give you your Longitude and Latitude real easy. Visit a local airport and ask to look at a local aviation map of your area. Aviation maps have enough details that you can usually find your location, and they have the Longitude and Latitudes on them as well. Use the ARRL Locator from the ARRL web site. This Web page will let you enter a city and state and will return the location-- including the latitude/longitude and 4-digit grid square). This is sufficiently precise for finding 4-digit grid squares but not for 6-digit grid squares.

From Latitude and Longitude to Grid Square

Once you've determined your latitude and longitude, you can use that information to find your grid square. Again, there are several ways to do this. You can use the ARRL Web grid-square calculator, or use readily available programs for your PC that will give you your Grid Square.

Why Grid Squares?

If you do any 6 meter, 2 meter or higher communicating, many stations identify themselves by Grid location. Every place on earth has it's own grid square and it can make it easier to locate someone when you know their grid square and you have a grid square map. There is also a VUCC



(VHF UHF Century Club) award available from the ARRL for confirming 100 grid squares on the VHF UHF Bands. Sound easy? Well, I found it easier to get the Worked All States (WAS) award than the VUCC award! So, get your Grid Square and get busy on VHF UHF and see how many grid squares you can get. It is a lot of fun.

Tom – KB8UUZ

DUES ARE DUE FOR THE YEAR 2000!

How come your not Y2K Compliant - as far as your PARC dues are concerned? While your thinking about it – fill out the membership form now, and send to:

Portage Amateur Radio Club
c/o: Joanne Solak - KJ30/8
9971 Diagonal Rd.
Mantua, OH 44255

SEASONED WITH LOVE

VANILLA BUTTERCREAM FROSTING

- 3 cups powdered sugar
1/3 cup stick margarine or butter, softened
1 1/2 teaspoons vanilla
1 to 2 tablespoons milk
1. Mix powdered sugar and margarine in medium bowl. Stir in vanilla and milk.
 2. Beat until smooth and spreadable. Frosts one 13 x 9 inch cake or fills and frosts one 8 or 9 inch two layer cake.

Vivian – KB8CLH

SPECIAL EVENT STATION

NATURE ZONE: Cuyahoga Amateur Radio Society K8ZFR 1400Z May 5 to 2100Z May 6, celebrating Arrowhead Elementary School's Nature Zone. 7.245 14.250 21.350 28.400 certificate QSL Dave Dressler KD8V - 4333 Copley Rd. - Copley, OH 44321.

EXAM DATES AND SITES

21-Mar-2000 Sponsor: PIONEER AR FELLOWSHIP - Time: 07:00PM Contact: RONALD D LIEVING (330)724-5981 Location: AKRON BAPTIST TEMPLE 2324 MANCHESTER RD. PRE-REGISTRATION PREFERRED - AKRON, OH 44314

26-Mar-2000 Sponsor: LAKE COUNTY ARA – MADISON Time: 8:30 AM Contact: SCOTT FARNHAM (440)256-0320 Location: MADISON HIGH SCHOOL MIDDLE RIDGE & BURNS RD. - MADISON, OH 44057

26-Mar-2000 Sponsor: WESTERN RESERVE ARA Time: 06:00PM Contact: WILLIAM H SHOWERS (330)872-1929 Location: NEWTON FALLS COMMUNITY CENTER 52 E

QUARRY ST - NEWTON FALLS, OH 44444

02-Apr-2000 Sponsor: NOARS Time: 01:00PM Contact: OLA J SLONE (440)647-5116 VEC: Location: LA GRANGE MASONIC LODGE 103 S CENTER ST - WRITTEN TESTS START @ 1 PM CODE TESTS START @ 1:30 PM LA GRANGE, OH 44050

11-Apr-2000 Sponsor: CUYAHOGA FALLS ARC Time: 7:00 PM Contact: STEVEN C GREATHOUSE (330)724-2247 Location: HOPE HOMES CENTER - CORNER STOW & CALL ROADS 2300 CALL RD - STOW, OH 44224

15-Apr-2000 Sponsor: CUYAHOGA ARS Time: 9:00 AM Contact: GARY S DEWEY (216)642-1399 - Location: INDEPENDENCE TOWN HALL 6652 BRECKSVILLE -INDEPENDENCE, OH 44131

15-Apr-2000 Sponsor: LAKE COUNTY ARA Time: 12NOON Contact: SCOTT FARNHAM (440)256-0320 Location: AMATEUR ELECTRONIC SUPPLY 28940 EUCLID AVE. - PAPER PROCESSING ONLY - 4/15 - WICKLIFFE, OH 44092

16-Apr-2000 Sponsor: LORAIN COUNTY ARA RED CROSS Time: 1:00 PM Contact: CHARLES S HALL (440)327-3832 Location: AMERICAN RED CROSS 2929 W RIVER RD N - ELYRIA, OH 44035

New Radio Warranty Information

IMPORTANT! READ THIS BEFORE USING YOUR NEW RADIO! Congratulations! You have purchased an extremely fine radio in a strikingly attractive designer case that would give you thousands of years of trouble-free service, except that you undoubtedly will destroy it via some typical bonehead ham maneuver. Which is why we ask you to: PLEASE FOR GOD'S SAKE READ THIS OWNER'S MANUAL CAREFULLY BEFORE YOU UNPACK THE RADIO. YOU ALREADY UNPACKED IT, DIDN'T YOU? YOU UNPACKED IT AND PLUGGED IT IN AND TURNED IT ON AND FIDDLED WITH THE BUTTONS, AND NOW YOUR CHILD, THE SAME CHILD WHO ONCE SHOVED A POLISH SAUSAGE INTO YOUR VIDEO CASSETTE RECORDER AND SET IT ON "FAST FORWARD", THIS CHILD ALSO IS FIDDLING WITH THE BUTTONS, RIGHT? WE MIGHT AS WELL JUST BREAK THESE RADIOS RIGHT AT THE FACTORY BEFORE WE SHIP THEM OUT, YOU KNOW THAT?! We're sorry. We just get a little crazy sometimes because we're always getting back "defective" rigs where it turns out that some dumb ham inadvertently bathed the device in acid for six days. So, in writing these instructions, we naturally tend to assume that your skull is filled with dead insects, but we mean nothing by it. OK? Now let's talk about:

1. UNPACKING THE RADIO:

The rig is encased in foam to protect it from the Shipping People, who like nothing more than to jab spears into outgoing boxes. PLEASE INSPECT THE CONTENTS CAREFULLY FOR GASHES OR IDA MAE BARKER'S ENGAGEMENT RING, WHICH SHE LOST LAST WEEK, AND SHE THINKS MAYBE IT WAS WHILE SHE WAS PACKING RADIOS. Ida Mae really wants that ring back,

because it is her only proof of engagement, and her fiancée, Stuart, is now seriously considering backing out on the whole thing in as much as he had consumed most of a bottle of Jim Beam in Quality Control when he decided to pop the question. It is not without irony that Ida Mae's last name is "Barker", if you get our drift.

2. PLUGGING IN THE RADIO:

The plug on this device represents the thinking of the electrical industry's Plug Mutation Group, which, in a continuing effort to prevent consumers from causing hazardous electrical current to flow through their appliances, developed the Three-Pronged Plug, then the Plug Where One Prong is Bigger Than the Other. Your device is equipped with the revolutionary new Plug Whose Prongs Consist of Six Small Religious Figurines Made of Chocolate. DO NOT TRY TO PLUG IT IN! Lay it gently on the floor near an outlet, but out of direct sunlight and clean it weekly with a damp handkerchief. WARNING: WHEN YOU ARE LAYING THE PLUG ON THE FLOOR, DO NOT HOLD A SCREWDRIVER IN YOUR OTHER HAND AND TRIP OVER THE CORD AND POKE YOUR EYE OUT, AS THIS COULD VOID THE WARRANTY.

3. OPERATION OF THE RADIO:

INSTRUCTIONS: For results that can be the finest, it is our advising that: NEVER to hold these buttons two times!! Except the battery. Next taking the (something) earth section may cause a large occurrence! However. If this is not a trouble, such rotation is a very maintenance action, as a kindly (something) wirepoint from Drawing B. NOTE: WE MANUFACTURE ONLY THE ATTRACTIVE DESIGNER CASE. THE ACTUAL WORKING CENTRAL PARTS OF THE RADIO ARE MANUFACTURED IN AN ORIENTAL COUNTRY. THE INSTRUCTIONS WERE TRANSLATED BY MRS. SHIRLEY PELTWATER OF ACCOUNTS RECEIVABLE, WHO HAS NEVER ACTUALLY BEEN TO THE ORIENT BUT DOES HAVE MOST OF "SHOGUN" ON TAPE. WARNING: IT MAY BE A VIOLATION OF SOME LAW THAT MRS. SHIRLEY PELTWATER HAS "SHOGUN" ON TAPE.

4. WARRANTY:

Be it hereby known that this device, together with but not excluding all those certain parts thereunto, shall be warranted against all defects, failures and malfunctions as shall occur between now and Thursday afternoon shortly before 2, during which time the Manufacturer will, at no charge to the Owner, send the device to our Service People, who will emerge from their caves and engage in ritual designed to cleanse it of evil spirits. This warranty does not cover the attractive designer case.

Author Unknown

GOING-GOING-GONE

Roger found this in the Record Courier 3/13/00 FCC developing plans to treat spectrum as commodity: The New York Times reported this week that the FCC is working up plans to treat spectrum as a commodity that would be bought and sold on the open market "as routinely as pork bellies or soybeans." The FCC is readying rules

that would create a trading system in which telecommunications companies of all kinds, from broadcasters to telecommunications and "wireless" companies, could bid for underused slivers of the spectrum that already are under the control of other companies. "It would be a radical overhaul of the rules governing one of the most valuable, if intangible, forms of property in the new economy: the rights to transmit electronic signals at specific radio frequencies that constitute the spectrum," the Times article states. The move is seen as a way to keep up with the demand for spectrum.

Roger – KB8JHS

In A Related Article from the ARRL

Guard Band Managers to be new FCC licensee class: The FCC has adopted new licensing and service rules governing the operation of the so-called "guard band" spectrum in the soon-to-be auctioned 700 MHz band. These guard bands are being utilized to fulfill the Congressional mandate to protect public safety services that operate within the 700 MHz band from any harmful interference from adjacent commercial users. Each guard band contains 6 MHz; the FCC proposes to auction the spectrum in two blocks, one of 4 MHz and the other of 2 MHz. Those who obtain rights to the spectrum are deemed "guard band managers." GBMs will be able to lease the spectrum for value to third parties--including both commercial service providers and private parties who meet the operating rules and regulations. The guard band order is a forerunner to FCC Chairman William Kennard's plan to revise the FCC rules to allow for spectrum to be sold as a commodity. The FCC says the development of a "free market" in spectrum "could result in more efficient use of this limited resource." See the FCC Public Notice.--FCC

HELP – SEND YOUR INPUTS

I can always use your inputs for the newsletter. Contact me by mail or at kb8uuz@arrl.net Can't always guarantee your info will make it in right away – but I will sure try.

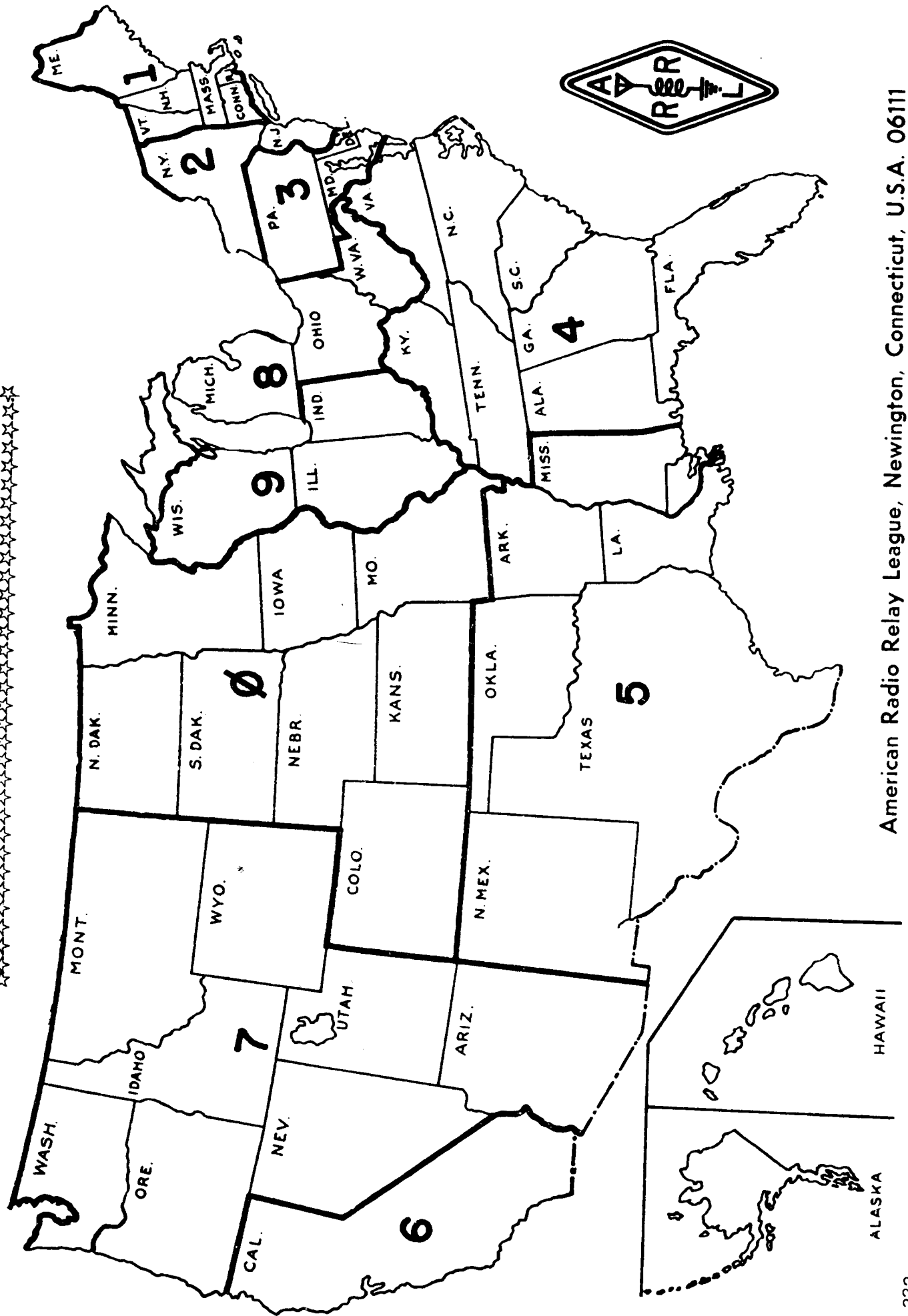
A.R.E.S.

At the next two club meetings in March and April, Dave – N8IIQ will be taking applications for the Amateur Radio Emergency Service (ARES). Many PARC members are involved in this worth while community service. If you are already a member – check your ARES card – it may be expiring soon, if so a new one can be made for you.



Dave – N8IIQ

ARRL WAS MAP



American Radio Relay League, Newington, Connecticut, U.S.A. 06111

Portage Amateur Radio Club Membership Application



Name: _____ Call Sign: _____ Class: _____

Address: _____ City: _____ State: _____

Zip Code: _____ Home Phone: _____ Age: _____

Packet Address: _____ E-Mail Address: _____

ARRL Member? Yes No ARRL Membership Expires: _____

Additional family members living at home who are -or- want to be, club members:

	Name	Call	License Class	ARRL Member?
1	_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
3	_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No



Employer: _____ Location: _____

Occupation: _____ Work Phone: _____

Married: _____ Number of Children: _____ Year First Licensed: _____

List your interests in Amateur Radio:

Are you a member of Amateur Radio Emergency Services (ARES)? Yes No

If not a member of ARES – would you like to join? Yes No



Please check the Bands and Modes you have the equipment to operate on:

Band	160	80	40	30	20	17	15	12	10	6	2	1.25	70cm	33cm	23cm
Freq	1800-2000 kHz	3500-4000 kHz	7000-7300 kHz	10.100-10150 kHz	14000-14350 kHz	18068-18168 kHz	21000-21450 kHz	24890-24990 kHz	28-29.7 MHz	50-54 MHz	144-148 MHz	222-225 MHz	420-450 MHz	902-928 MHz	1240-1300 MHz
AM															
FM															
SSB															
CW															
Mobile															

Do you operate (circle): RTTY Packet ATV EME Other (list): _____

What do you like about PARC?: _____

What changes or improvements would you like to see made?: _____

Single Membership - \$12.00 Family Membership - \$15.00 Annual Dues are due January 1st

Signed: _____ Date: _____

Mail to: Portage Amateur Radio Club
c/o: Joanne Solak – KJ3O/8
9971 Diagonal Road
Manuta, OH 44255

Any Questions – Call Joanne at: 330-274-8240



The Portage Amateur Radio Club meets the 4th Wednesday of each month at 7:00 PM
PORTAGE COUNTY JUSTICE CENTER, 8240 Infirmary Road, Shalersville, Oh.

Guests are always welcome!

For more information contact Joanne or Larry Solak at: 330-274-8240.

P.A.R.C. Repeaters: 145.39MHz. 442.875MHz. Located in Ravenna, Ohio



HAMFAIR® '00 is JULY 30, 2000

Never to early to mark your calendar!

P.A.R.C. Website: <http://www.parc.portage.oh.us/>

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Portage Amateur Radio Club
Joanne Solak - KJ3O/8 - Secretary
9971 Diagonal Road
Mantua, OH 44255

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Take Care & 73 – Tom – KB8UUZ

e-mail me at: kb8uuz@arrl.net

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