



# PORTAGE AMATEUR RADIO CLUB



March - April 1999

SPRING IS COMING (Really!)

Editor - KB8UUZ

## P.A.R.C. OFFICERS

### President

Larry Solak - WD8MPV

### Vice President

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### Sec'y/Treasurer

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

## 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.

As I write this issue of the PARC Newsletter, I'm keeping one eye toward the window. The start of Spring is only a week away, and we are getting more snow! Instead of flurries and drifts, we're suppose be getting ready for Tornado season here in northeastern Ohio. The flowers are suppose to be coming up in the yard, not the snow piles! Oh well, maybe we will have a good Summer because of all this. Speaking of Tornadoes and foul weather, the club is having a SKYWARN Training session at the March meeting. Other clubs in the area are also getting into the SKYWARN training mode of operation. We all know Spring is coming and with it brings some potentially foul weather. Part of our continued duty as a Special Service Club is being involved in community activities. SKYWARN is one of those activities we have to take seriously. Now's the time to check out the radios, make sure your batteries work properly, and the mobile rig is performing up to specifications. The spring Hamfest schedule is under way and more Hamfests are coming along. In this issue you'll find a listing of Ohio and Eastern PA hamfests to mark on your schedule. Of course, there is the mother of all hamfests - the Dayton Hamvention coming up in May. It's worth the trip just to see everything, even if you don't go to buy stuff. The FCC has been cracking down on people causing interference and not operating within the amateur radio rules & regulations. This is good news and will help to make this hobby a better place for all of us. Thank good ness, the FCC is taking a pro-active stance on trouble makers. Let's face it, they could just shut the whole amateur radio community down and use the spectrum for other purposes. Joanne - KJ30 has some good information concerning this in the Secretary's Corner. I'll be checking the mail box and e-mail, just waiting to hear from you...

Until next time - Take Care  
- 73 - and hope you have good DX.

de Tom - KB8UUZ



## SECRETARY'S CORNER

With SPRING just a couple weeks away, I guess we can put-up-with this snowy weather! Really it hasn't been all that bad. We get a lot of "good" with the bad weather. We had a very productive and interesting club meeting last month, February 24, 1999, at the Portage County Justice Center Shalersville. Following the general announcements, the minutes of the previous meeting were approved as read and the treasurers report was approved as submitted. It is noted that a lot of activity is going on with the club account now that Portage Hamfair 99 is well on the way to completion. All the Committees report "things" are going quite well with club events and activities. The Repeaters are both up and running "smoothly" ..no problems.. although the Tech Committee will be meeting in the near future to "clean-up and up-date the equipment". After the BREAK, Y2K was discussed in depth..if you missed this meeting you missed a GOOD one. Dos and don'ts abounded with all present entering into the discussion one way or the other. The main event of the evening was our Guest Speaker, Mark Cronin representing BUCKEYE POWER . The talk was about generators..anything and everything you ever wanted to know about alternate power through generators. The perfect way to get ready for your possible Y2K needs. Each meeting we will be presenting "something new" so try to attend as many club meetings as you possibly can. If there is anything or anyone you would like to see featured at one of our meetings just let me know..or let Keith, N8VVE, our program director assistant know as soon as possible so we can schedule it in for you. Club dues are due now .. actually past due, please send your check to the Treasurer as soon as possible to keep your membership current. Please sign up now for our PARC ARES group. As the New Year 99 is well underway , we need to look at our status in membership with our ARES group. Please let Dave Cluggish, N8IIQ, know if you wish to join our ARES group or to just check to see if your information is up-to-date. Also, if you haven't supplied Dave with a current to get a Photo ID, make arrangements to have your photo taken at the next meeting. Did you know that the FCC has ruled that apartment dwellers can not be prevented from installing and using outside TV antennas. The November meeting of the FCC adopted rules to permit tenants in rental properties such as apartment and single family homes to install TV antennas, small dishes and wireless cable antennas in areas that they control such as balconies and patios.. Speaking of the FCC.. Riley Hollingsworth, K4ZDH, the FCC's top amateur

radio enforcer, will put in an appearance at this year's Dayton Hamvention. Hollingsworth is scheduled to address enforcement issues at FCC forums on Friday and Sunday at this year's event. Dayton weekend is scheduled for May 14-16th. This could be a very interesting experience for those who are lucky enough to attend. I understand that FCC is "really" going to "clean-up" the bands. For those interested..the American Radio Relay League (ARRL) announced January 6, 1999 that two of its active departments are merging. The Field Services and Educational Activities departments merged for mutual efficiency. They consolidated to become known as the Field and Educational Services Department. Their mutual assignment is to support ARRL volunteers out in the field and continue the Educational Services as in the past. Rick Palm, K1CE will head up the Field Services as manager and Rosalie White, WA1STO has assumed the title of Educational Services Manager. The League's Executive Committee has been assigned to develop a change of the League's name that more clearly reflects the focus and purpose of the organization to hams and the public in the 21st Century. The word RELAY which meant so much in the "olden" days is troublesome to explain in this modern day and age where messages can go direct by various modes without being relayed..back in the "olden" days direct contact was not always feasible..so "relaying" a message was necessary..the BOARD said the year 2000 would be "a natural point for change". The executive committee is to come up with a name change proposal for consideration by the Board at its July meeting. Radio Amateurs around the world joined in mourning the recent death of Jordan's King Hussein, JY1. Hussein, 63, died February 7. The Middle East's longest-reigning ruler..he had been Jordan's King for 47 years, taking the throne when he was just a teenager.. A QSO with JY1 was considered by many "HAMS" to be both an honor and a privilege. His elegant QSL card was prized. Hussein was a life member of the ARRL.. All members of the Jordanian royal family have Amateur Radio privileges in Jordan.. King Hussein's widow, the American-born Queen Noor, is JY1NH.. thanks to Jennifer Hagy, N1TDY for the above information.(I am very pleased to mention that I have indeed "worked" King Hussein and have his prized card in my collection - KJ3O.) Well that's it for this time around..check your records, make sure your dues are current, remember your support of the Portage Amateur Radio Club is very much appreciated..YOU, after all, are the CLUB!! Until next time, BEST 73....

**Joanne, KJ3O Secretary - Treasurer**

## SPECIAL EVENT STATION

**LOYALTY DAY 1999** – May 1<sup>st</sup> The 41<sup>st</sup> annual Loyalty Day from **Freedom** Township, Ohio – KB8UUZ - 80-10, 6&2 meters – May 1<sup>st</sup> from 1200UTC until May 3rd at 0300UTC. Certificate available. QSL info in May CQ & QST magazines.

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## NOTES FROM THE ARRL DX CONTEST

Hello from Mantua Township....this last weekend, March 6&7, was the ARRL DX phone contest. I joined in, on 28 MHz, a little, both days. With 100 watts, ssb, I was able to contact New Zealand, Australia, Japan, T3a-Kiribati, El Salvador, Croatia, Bosnia, the Hawaiian Islands, the Galapagos Island.... with just a half wave dipole antenna up about 30 feet! Two Sundays ago, I heard, eleven beacons on 10 meters....the most I ever heard!! So long for now...till we cross paths on the air waves 73

**Alan - KB8VJL**

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## ARRL BULLETIN

ARLB014 Amateur Radio Spectrum Protection Act of 1999 introduced It's round two in Congress for the Amateur Radio Spectrum Protection Act. At the request of the ARRL, Rep Michael Bilirakis introduced the 1999 version of the proposed legislation, HR 783, on February 23. The bill is aimed at ensuring the availability of spectrum to Amateur Radio operators. It would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. Bilirakis, a Florida Republican, also sponsored last year's measure, which attracted upwards of 83 cosponsors on both sides of the aisle. Rep Frank Pallone Jr, a New Jersey Democrat, is the initial cosponsor of the 1999 bill. ARRL Legislative and Public Affairs Manager Steve Mansfield, N1MZA, says the 1999 bill "is largely the same as last year's HR 3572." The major difference is that the 1999 version adds "Amateur Satellite Service" frequencies to "Amateur Radio Service" in detailing the frequencies that would be afforded protection under the act. HR 783 would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio and the Amateur Satellite Service in the event of a reallocation of primary amateur allocations, any reduction in secondary amateur allocations, or

"additional allocations within such bands that would substantially reduce the utility thereof" to amateurs. Mansfield said it's too soon to predict how HR 783 would fare in the new Congress, but said the fact that it has been introduced so early in the session "bodes well for our prospects." He said that a number of the cosponsors from last year have already indicated an interest in signing on again. A copy of the measure is available via the Thomas Web site, <http://thomas.loc.gov/>

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From the internet via **Tom – N8QXG**

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## From our Foreign Correspondent

**Don Bristow – G0EOH**

*Due to unforeseen circumstances – I cannot find the file that Don sent to me. I e-mailed Don asking for another copy, but it had not arrived. I even held off on the newsletter for a few days. Sorry for the problem, hopefully I'll have the file for the next PARC Newsletter. - Editor -*

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## SEASONED WITH LOVE

### PICKLED SHRIMP

1 1/2 lb. frozen row, peeled, cleaned shrimp.  
1/2 cup chopped celery leaves  
1/4 cup whole mixed pickling spice 2 quarts boiling water  
5 bay leaves 2 cups sliced onions 1 1/2 cups salad oil  
1 1/2 cups white vinegar 1/4 cup chopped pimiento  
2 tbs. capers and liquid 1 1/2 teaspoons celery seed  
1 1/2 teaspoons salt 1/4 teaspoon liquid hot pepper sauce  
Salad greens

Thaw frozen shrimp. Rinse with cold water, Tie celery and pickling spice loosely in a piece of cheese cloth. Place in boiling water and simmer for about 20 minutes. Add shrimp. Simmer for 5 minutes. Drain. Arrange sliced onions and shrimp in alternate layers in a bowl. Add bay leaves. Combine remaining ingredients except salad greens. Mix thoroughly and pour over onions and shrimp. Cover and chill for about 6 hours, stirring occasionally. Drain. Serve on salad greens. Makes 6 servings.

**Vivian L. DeSimio - KB8CLH**

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**HELP** – I need inputs for the newsletters. Send your inputs by e-mail to: [tompeg@apk.net](mailto:tompeg@apk.net), or regular mail (address in roster) - KB8UUZ.

## CHANNELS 45/49 PUBLIC SERVICE

During March a few of the PARC members helped out with the channel 45/49 telephone drive. Thanks go out to John N8WHT, Tom WA8IAA, Larry WD8MPV, Joanne, KJ3O, Bob N8KXB, KC8KME – Thanks to all that helped – **Keith N8VVE**



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Don't Forget – The regular meetings of the Portage Amateur Radio Club are on the 4<sup>th</sup> Wednesday of the month. Meetings start at 7:00 pm. Place: Portage County Justice Center - 8240 Infirmary Road, Shalersville, Ohio. Bring a friend!

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**DUES ARE PAST DUE! Please send in your dues and help support the PARC.**

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### 1999 HAMFESTS

March 28 - Lake County ARA, Madison, OH  
Roxanne - 10418 Briar Hill, Kirtland, OH  
44094 - 440-256-0320

April 18 - Two Rivers ARC, Monroeville, PA  
Michael Kowalcheck, Jr., KV3L - PO Box 225,  
Greenock, PA 15047-0225 - 412-751-9657

April 25 - Athens County ARA, Athens, OH  
Drew McDaniel, W8MHV - 61 Briarwood Dr.,  
Athens, OH 45701 - 740-592-2106 - E-mail:  
dmcdaniell@ohiou.edu

May 14-16 - Dayton ARA, Dayton, OH - Dick  
Miller, N8CBU - PO Box 964, Dayton, OH  
45401-0964 - 937-427-3109 - Web site:  
<http://www.hamvention.org>

June 20 - Cuyahoga ARS, Macedonia, OH -  
Rich James, N8FIL - 7620 Crestwood Ln.,  
Northfield Ctr., OH 44067 - 800-404-2282  
Web site: <http://www.cars.org>

July 18 - Van Wert ARC, Van Wert, OH - Bob  
Barnes, WD8LPY - 411 North Walnut St., Van  
Wert, OH 45891 - 419-238-1877 - Web Site:  
<http://www.bright.net/~barnesrl/w8fy.html>

July 25 - Triangle ARC, Lisbon, OH - Mike  
Mays, KB8JNM - 48635 Bloomfield Ave., East  
Liverpool, OH 43920 - 330-386-6021 - Web  
Site: <http://www.qsl.net/tarc>

August 1 - Portage ARC, Randolph, OH -  
Joanne Solak, KJ3O - 9971 Diagonal Rd.,  
Mantua, OH 44255 - 330-274-8240 - Web Site:  
<http://parc.portage.oh.us>

August 7 - Voice of Aladdin ARC, Columbus,  
OH - Jim Morton, KB8KPJ - 6070 Northgap  
Dr., Columbus, OH 43229-1945 - 614-846-7790

September 11 - Radio Association of Erie,  
Erie, PA - Dr. Tom McClain, N3HPR - 3954  
Solar Dr., Erie, PA 16506 - 814-833-1640 -  
Web site:  
<http://www.erie.net/~n3ntj/hamfest.html>

September 12 - Findlay Radio Club, Findlay,  
OH - Bill Kelsey, N8ET - 3521 Spring Lake  
Dr., Findlay, OH 45840 - 419-423-4604 - Web  
Site: <http://www.bright.net/~kanga/w8ft/>

September 12 - Butler County ARA, Butler,  
PA - Gerald Wetzels, W3DMB - 784 Mercer Rd.,  
Butler, PA 16001-1108 - 724-282-6777 - Web  
Site:  
<http://www.nauticom.net/www/cliff/bcara>

September 26 - Hamfest Association of  
Cleveland, Cleveland, OH - Ron Nichols,  
N8LZA - 800-CLE-FEST or 216-999-7388 - Web  
site: <http://www.hac.org>

October 31 - Marion ARC, Marion, OH - Karen  
Eckard, N8KE - 6583 South Street Meeker,  
Marion, OH 43302 - 740-499-3565 - E-mail:  
meeker@gte.net

November 7 - Massillon ARC, Massillon, OH -  
Don Wade, W8DEA - 7300 Sunset Strip NW,  
Apt. 7, North Canton, OH 44720

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## HAM

Where did the term HAM come from? When did it come to popular use? The \*real\* explanation appears to be lost in the mists of time. There are a number of theories. Some more plausible than others. The one you'll likely hear the most is about "little station HAM". It goes like this. In the early days of radio, the government didn't assign call letters to amateurs. They just made up their own. Supposedly, three students at Harvard named Hyman, Almay, and Murray set up a station. They decided to use their initials as the call. Thus we have the little station HAM. When the Navy tried to grab control of all radio frequencies, these guys are supposed to have testified before Congress, and the story of little station HAM supposedly didn't leave a dry eye in the

house. The press is supposed to have picked up this story of little station HAM, and amateurs have been known as hams ever since. Unfortunately for this story, none of it checks out. A past president of the ARRL did extensive research in an attempt to confirm this story. There is nothing in the Congressional record about little station HAM. There is nothing in contemporary press records. And there is no record of a Hyman, Almay, or Murray at Harvard at the time this supposedly happened. This story first surfaced in an amateur publication in 1948, and doesn't seem likely to die. But it appears to have no factual basis. Another story you may hear is that ham is the result of a Cockney pronunciation of (h)amateur. But that is unlikely for two reasons. First, the term was in use in America before there was substantial amateur activity in Britain. And second, voice transmission wasn't used by amateurs of the era, so how did a pronunciation get propagated by Morse? Another story you may hear is that it comes from a landline telegrapher's insult. Many operators of the day came from a landline background, and on the landlines a common insult was that someone was "ham fisted" in his sending. It is possible that commercial operators used this slang to refer to amateurs and it caught on. Certainly, the term LID came from landline telegrapher slang. (LID was a reference to use of a tobacco can lid on the sounder to aid a poor operator in copying Morse.) This one may be true. It wouldn't be the first time that a group adopted a term originally meant as an insult to serve as a slang term for themselves. But the one I like best goes like this. This era was filled with pulp magazines catering to the experimenter. (Everyone at the end of the Victorian age apparently viewed himself as a closet inventor or tinkerer.) One of these magazines was called Home Amateur Mechanic, and it featured many simple radio sets a person could build. It is likely that when asked what kind of radio an operator was using, he might send back RIG HR ES HAM, meaning that it was one of the circuits shown in Home Amateur Mechanic magazine. Since telegraphers tend to abbreviate everything, due to the low throughput of Morse, this is plausible, and Home Amateur Mechanic magazine certainly did exist in the correct era. So it was those HAM radios which started the use of ham in amateur radio.

From the web by Gary Coffman KE4ZV

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## PHONETICS

From the CARS Newsletter: by Gary Dewey, NI8Z. Although us teletypists do not use phonetics, I thought this explanation was pretty neat. Question:

Why is it that the word 'roger' is used at the end of radio communications? Answer: The NATO standard is best summed up as follows. If you can say Alpha then Bravo, said Charlie as he rowed down the Delta to the Echo of a Foxtrot from the Golf Hotel in India, where Juliet had prepared a Kilo of Lima beans for Mike to eat in November with Oscar and Papa in Quebec. Meanwhile, Romeo, who had crossed the Sierra to dance in a Tango competition in his Uniform, had been declared the Victor and given a bottle of Whiskey instead of an X-ray by a Yankee who had been trained by a Zulu doctor.

Does that really answer the question? Roger or 'R' means the 'message has been received in the manner that it was sent'. However, many think it means 'yes'. CB'rs like to use 'Roger that' for I agree.

Is that a Roger?

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## SUNDAY DRIVING

Hello PARC members!! Bob - N8KBX and myself just returned from the Conneaut Hamfest. We had a nice ride both ways. I picked up a transformer...real cheap... some transmitting crystals, coax connectors and a reference book. There were computers that were turned on and running!! Now I can say I have really seen a few computers at a hamfest that really work!! There was a vendor selling custom photo Id's. Now you can have a call sign/name tag with a photo of yourself, all in one! Bob-N8KBX got one; ask to see his at our next club meeting. That vendor had some really neat examples on display there. I still remember what I look like, so I didn't think I needed one.. at least for now... One item I've been looking for was an (early) external frequency synthesizer for a crystal controlled radio... and here today was one! It was attached to a mobile radio, I didn't want the radio and I didn't want to pay what the seller wanted....so no synthesizer today. Bob got lost there but I found him 20 minutes later! I had forgotten he changed into his pink ham hat just for this event. He brought two and almost got another one while there! A ham can't have too many hats! On our return trip we chose a slower pace and drove along the Lake Erie shore line to Fairport Harbor. Lake Erie was mostly ice covered but every so often, patches of dark blue open water could be seen....very different from the spring and late fall storms that kick up ,14 to 21 foot seas. There really is a lot to do and see returning from these Sunday hamfests, you just have to get off the interstate ... and slow down.

Alan - KB8VJL

Try This Puzzle – The Answer Will Be Obvious to All PARC Members. When you find the word, fill in each letter block.

T	H	X	F	T	X	D	B	E	T	I	P	H	A	M
R	O	L	L	E	Y	R	T	M	I	C	R	A	B	I
A	T	R	V	S	L	A	A	E	M	C	R	M	L	H
P	E	R	Y	T	A	D	M	R	E	X	T	F	E	H
E	L	A	T	N	G	I	A	G	E	D	C	E	C	A
G	O	R	N	R	I	O	T	E	S	Z	O	S	B	R
A	G	I	U	A	R	M	E	N	R	D	D	T	A	P
T	U	G	O	W	A	C	U	C	O	I	E	L	K	S
R	Y	S	C	Y	R	C	R	Y	M	O	S	S	E	V
O	W	O	R	K	R	U	Q	H	A	D	K	Q	R	H
P	D	W	A	S	U	V	L	F	Q	E	Z	U	H	F

Word List: ARM ARRL BAND DIODE DX DXCC EMERGENCY ES ET GO HAM HAMFEST HF HI HT PORTAGE QSL RADIO SKYWARN TEST TRAP UHF VHF VUCC

Think that one was too easy – try this one!

P	O	R	T	A	G	E	M	T	S	E	T	N	O	C
E	S	R	O	M	T	O	W	E	R	E	G	O	R	P
M	P	X	P	A	C	K	E	T	S	E	F	M	A	H
C	E	N	U	T	D	E	A	D	N	L	A	P	A	O
O	C	T	T	E	N	V	E	C	X	O	W	M	D	N
U	I	S	E	U	C	C	O	A	X	P	V	A	O	E
N	A	F	N	R	N	O	Y	A	G	I	X	I	T	P
T	L	I	H	A	A	R	I	U	E	D	D	U	C	T
Y	A	O	V	L	I	D	B	L	N	I	W	T	E	E
G	T	D	R	U	S	W	I	R	E	D	O	C	N	S
P	A	R	T	X	E	Q	O	O	R	I	H	U	N	S
R	A	K	E	Y	C	P	H	C	A	P	F	H	U	B
G	U	Y	C	D	E	C	R	S	L	A	D	D	E	R
O	I	N	H	T	C	A	W	U	A	U	L	O	S	S
L	N	R	A	W	Y	K	S	U	N	D	B	V	H	F

PORTAGE AMATEUR RADIO CLUB  
 ADVANCED ARRL BNC BUG COAX CODE  
 COIL CONTEST CORD COUNTY CW DASH DB  
 DEAD DIP DIPOLE DOT DUCT DX EXTRA FEED  
 FUN GAIN GEM GENERAL GUY HAM HAMFEST  
 HF HOT HT KEY LADDER LAP LF LID LOG  
 LOSS METER MORSE NET NOVICE NTS OP  
 PACKET PHONE QSL RAY RED RIG ROGER  
 ROPE RUN SKYWARN SPECIAL SSB SUN SWR  
 TECH TECHPLUS TNC TOWER TRAP TUNE  
 TWIN UHF VEC VHF VUCC WATT WIRE YAGI

### SKYWARN TRAINING

Mark - KC8FQV attended the Pioneer Amateur Radio Club Skywarn Training that was held on March 13th. Mark reports that it was Larry Gabric's last local training session since he is leaving the area. Larry was joined by a few storm chasers from the Oklahoma area. Films of tornadoes from the mid west were shown. Turn out was good, and everyone learned a few things.

### Y to K Problem

We at the Portage Amateur Radio Club have been taking a pro-active stance in regards to the Y to K problem everyone is talking about. We really don't see what all the fuss is about, but figured we better do something since it seems that everyone else is also doing something. So in order to assure all of our members and other people dealing with our club, we have taken measures to ensure we are Y to K compliant in all of our important matters. Effective on 01-01-00, the following changes will take effect regarding all of the databases, membership files, and other documents deemed important by club members and officers. Henceforth January will be known as Januark, February as Februark, May as Mak, Monday as Mondak, Tuesday as Tuesdak, Wednesday as Wednesdak, Thursday as Thursdak, Friday as Fridak, Saturday as Saturdak, and Sunday as Sundak. We don't know about all the problems that everyone is talking about and we have already changed all of our records to agree with Y to K. Now, we're not sure what will happen to our computer systems when the year 2000 rolls in, but we seem to have the Y to K problem solved. We'll let you know what other measures we will be taking.

### CLUB ROSTER

Speaking of databases.... The Club Roster Data Base is maintained by Joanne & Larry, and they tell me there will be a club roster included with this newsletter. So, if you are a regular member – you should find the roster. If you are not a member, or if your getting this by e-mail, you won't find the roster.



US Ham Stamp



Jordanian Ham Stamp with JY1

## Portage Amateur Radio Club Membership Form

Name \_\_\_\_\_ Call Sign \_\_\_\_\_ Class \_\_\_\_\_

No. and Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Zip Code \_\_\_\_\_ Home Phone \_\_\_\_\_ Age \_\_\_\_\_

Packet Address \_\_\_\_\_ E-mail Address \_\_\_\_\_

ARRL Member (Y/N) \_\_\_\_\_ ARRL Membership Expiration Date \_\_\_\_\_

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

Name: \_\_\_\_\_ Call: \_\_\_\_\_ License Class: \_\_\_\_\_ ARRL Member (Y/N)

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

Employer: \_\_\_\_\_ Location: \_\_\_\_\_

Occupation: \_\_\_\_\_ Work Phone: \_\_\_\_\_

Married: \_\_\_\_\_ No. Children \_\_\_\_\_ Year First Licensed \_\_\_\_\_

List your interests in Amateur Radio. \_\_\_\_\_

Are you a member of Amateur Radio Emergency Services (ARES) (Y/N) \_\_\_\_\_

If not a member of ARES, would you like to join? (Y/N) \_\_\_\_\_

Please check the Bands and Modes you can operate:

Band	160	80	40	30	20	18	15	12	10	6	2	220	440	1276
Phone														
CW														
Mobile														

Do you operate: RTTY \_\_\_\_\_ Packet \_\_\_\_\_ ATV \_\_\_\_\_ Other \_\_\_\_\_

What do you like about PARC? \_\_\_\_\_

What changes or improvements would you like to see made? \_\_\_\_\_

Single Membership \$12.00 - Family membership \$15.00

Dues are due: January 1st

Signed \_\_\_\_\_ Date \_\_\_\_\_

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

If you have 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

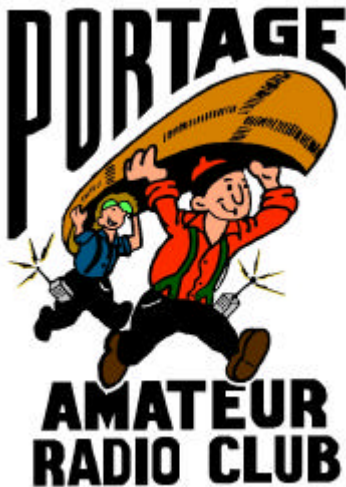


***HAMFAIR® '99 -- August 1, 1999***

**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



**"Public Service"  
Through Amateur Radio**