



# FEEDBACK

**VOLUME 54 ISSUE 3**

**MARCH 2009**

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RADIO CLUB OFFICERS**

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**MRN NET Tue, Thur. & Sun  
7:30 PM 3.600 MHz  
CLUB REPEATERS  
147.18 & 442.850 MHZ**

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### ---SHORT SKIP ---

NASA scientists have recently confirmed once again that magnetic north is actually migrating. And they predict that in about 50,000 years, Earth's poles are going to switch, so the north pole will be at the south pole. Not to worry Bunkey, I don't think we'll still be around then. Which raises another neat question; are part time band leaders semi - conductors ? Hmmm ...

**73 de WB80WM**

### MARCH MEETING

The meeting for the month of March will be held at the Massillon Senior Center on March 6th at 8:00 PM.

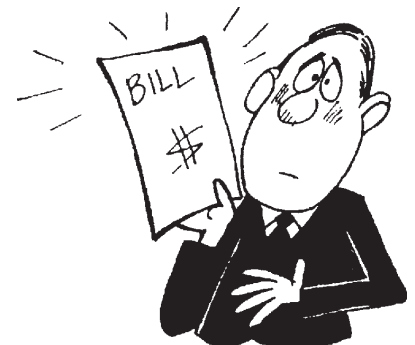
Just like the rest of you, I'm ready for some warmer weather. I'll be glad to have this cold, snowy weather behind us. I just hope the spring doesn't bring more "bad stuff" for us. However you can be well prepared; first by attending the annual Stark County Sky Warn Spotter's class at Stark State College on Wednesday March 18th at 6:30 PM. In order to stay on the Weather Bureau's active list, you need to attend at least once every two years. It will also keep you abreast of all or any changes in Weather Bureau procedures. So plan on attending and if you need further information, contact Terry Russ 330/837-3091 or e-mail [truss@sssnet.com](mailto:truss@sssnet.com) . More information is in Terry's column of page 3 of this issue of Feedback. Be sure to read all about it !

The biggest item on the agenda will be this month's Safety Break. Rodger, KA8FTS will have the final news for all of us. See you at the meeting !!!

### DUES ARE DUE

With the coming month of March marks the final month that dues notices are given . Dues for the Massillon Amateur Radio Club are now due. We cannot extend you're membership without payment. Dues are STILL only \$ 10 for a full membership, \$ 5.00 For the XYL and students \$ 2.50 !.

Don't forget to send you're dues to our New Treasurer, Joe Herrick WD8BGW, 2615 Millersburg Road SW, Massillon, Ohio 44646-7336. OR call 330/830-1546 (Please after 6:00 PM ONLY or leave message) Remember: We do not want to loose a single member !!



# MARC MINUTES

## Feb 6<sup>th</sup> 2009

The Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 36 members and guests present. Dan N8DZM was missing. Gary WC8W filled in as secretary. The Pledge of Allegiance was given and a round of introductions was made.

Joe our new treasurer gave a wonderful report.

Carl AB8CC gave his first Vice President report on upcoming events and news.

PARCS will be having their annual Freeze Your Acorns Off special event station on Feb 21.

### Committees

Classes – Technician classes will be starting on Monday February 23<sup>rd</sup> and each Monday at 7:00pm. CW classes will be on Fridays starting February 20<sup>th</sup>.

Safety Break – Weekend of March 20<sup>th</sup> on South bound side this time. We will have a trailer to keep warm.

**Old Business** – None

### New business

There will be a VE session February 28<sup>th</sup> at 9:00 am at the E.O.C. The cost has gone up a dollar to \$15.

Looking for volunteers for Akron's Tour de Cure bike race. This will be Sunday June 14<sup>th</sup>.

The change in the Code of Regulations the change the three (3) year membership requirement to hold office to two and a half years (2.5) was voted on and passed. Motion made by Rex NX8G and Seconded Rich KA8ZQH.

The 50/50 was won by Bruce KC8RKS.

### Minutes by your Secretary Dan N8DZM

#### THE PREZ SEZ

I want to thank everyone for their attention and making my first meeting as President run, somewhat smooth. I did forget the change in our rules and regs, but we got it voted on after all.

I want to thank Frank - WA8WHP - for his very interesting program on the change over to Digital TV last meeting.

There are only 2 shifts left for the Safety Break. They are for Friday, March the 20<sup>th</sup>, Noon to 6:00 PM and Friday the 20<sup>th</sup>, 6:00 PM to Midnight.

Perry also needs help for the last shift on Sunday the 22<sup>nd</sup> from 6:00 PM to Midnight.

I am working on some things to take the place of the Safety Break for a fund raiser. I have made several phone calls, but have not heard anything back yet.

I am still waiting for the Boy Scouts Awards Night to see if we have any interest in classes from there.

**Enuf 4 now, 73's de KA8FTS - >(ô¿ô)<**



## ... How Cold Is It ? ...

In 2001, the National Weather Service (NWS) implemented an updated Windchill Temperature (WCT) Index. The change improves upon the former WCT Index used by the NWS and the Meteorological Services of Canada which was based on the 1945 Siple and Passel Index.

The current formula uses advances in science, technology, and computer modeling to provide a more accurate, understandable, and useful formula for calculating the dangers from winter winds and freezing temperatures on the human body. Unless you have one of those newer fancy home electronic weather stations many of which can determine current wind chill at the push of a button, your only other method is the use of a NWS Wind Chill Chart. You will need to know the current temperature and wind speed to use the chart. A nice one is available on the NWS website and is downloadable in a pdf format. It will print out as a full color chart. You can also download an informative Wind Chill brochure that will make a fine addition to the shack. The site also has a Wind Chill Calculator. Just input the temperature and wind speed and it will calculate the current Wind Chill for you. If you would like a copy of this chart simply go to <http://www.nws.noaa.gov/om/windchill/index.shtml>.

## .. ARES Meeting Info ..

The Stark County ARES will hold it's quarterly meeting on Thursday, March 5, 2009 at the Stark County Emergency Operations Center from 7:00 - 8:30 PM. A meeting agenda is currently being developed, discussion topics are being requested from ARES members. All requests should be directed to Assistant EC Terry Russ, N8ATZ at [truss@sssnet.com](mailto:truss@sssnet.com).

## .. Skywarn Spotter Training ..

On Wednesday, March 18th the Stark County EMA office in conjunction with Stark County Skywarn will host Skywarn Spotter Training Seminar presented by the Cleveland National Weather Service. The training will be conducted at the Stark State College of Technology in the main auditorium. The meeting will begin at 6:30 PM and last for approximately 2 hours. There will be a short break during the meeting. The training will be conducted by Weather Coordinating Meteorologist Gary Garnet, KC8TJl returning for his tenth consecutive season.

The training seminar covers the science of severe weather, teaching spotters to observe cloud formations and the signs that severe weather is approaching. The course also covers spotter safety and how to report severe weather to the National Weather Service. This years program will include a powerpoint presentation, video clips and information gathered from last years severe weather season.

The seminar is open to all persons interested in severe weather spotter training especially public safety officials, hospital and public school staff and the general public. Those individuals who have never received Skywarn training are especially encouraged to attend this seminar. There is no charge to take part in this training. Some handouts will be available. Registration will be conducted before the seminar for both new and returning spotters. New spotters will be issued a Spotter Identification Number to assist the NWS in identifying those persons who have received the training. Questions can be directed to Terry Russ, N8ATZ at (330) 837-3091 or by email to [truss@sssnet.com](mailto:truss@sssnet.com).

## .. April MS Walk ..



If you volunteered to assist with last years MS Walk, chances are you have or will receive a letter concerning this year's walk. This years event will take place on Saturday, April 25th again at the Massillon Recreation Center and

the club will again provide communications support for this important event. As part of the letter, it also contained a volunteer registration form which includes a waiver and release from liability.

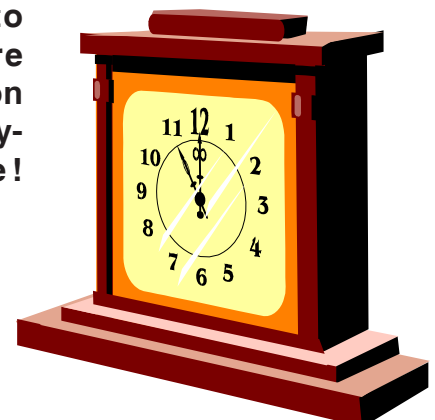
We were all asked to complete the form last year as well. If you do not complete this form now, you will be asked to complete one the day of the event. I should have some additional clarification on this letter on as I hope to attend their coordination meetings sometime in April. I'll let you know what I find out.

**That's it for this month, see you at the meeting**

!

**De Terry – N8ATZ**

**Don't forget to  
change you're  
clocks AHEAD on  
March 8th for Day-  
light Savings Time !**



# AMATEUR RADIO (MODES & RF EMISSIONS) WORD PUZZLE

Below is a list of words Related to Operating Modes and RF Emissions. The words are located in the word puzzle vertically, horizontally, diagonally, forward, or reversed. Letters are sometimes used more than once.


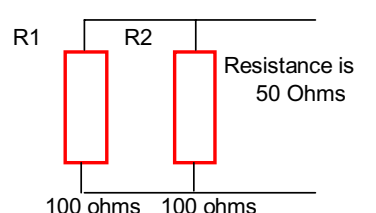


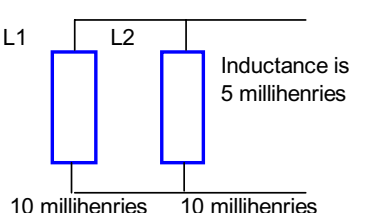
Multiple words are one continuous word in puzzle.










NOTE: (Acronym definitions can be found in the ARRL Radio Amateurs Handbook)

Puzzle continues on the next page.

- |                      |                        |                         |
|----------------------|------------------------|-------------------------|
| AUDIO FSK            | FREQUENCY MODULATION   | R/C                     |
| AMPLITUDE MODULATION | FREQUENCY SHIFT KEYING | RDFT                    |
| AMTOR                | FAST SCAN TV           | RADIO DIRECTION FINDING |
| ANGLE MODULATION     | G-TOR                  | REPEATER                |
| APRS                 | GPS                    | RTTY                    |
| ASCII                | LOWER SIDE BAND        | SATELLITE               |
| CLOVER               | NODE                   | SCAMP                   |
| CW                   | NARROW BAND FM         | SPREAD SPECTRUM         |
| DIGIPETER            | PACKET                 | SINGLE SIDE BAND        |
| DOUBLE SIDEBAND      | PACTOR                 | SLOW SCAN TV            |
| DSP                  | PCM                    | TELEGRAPHY              |
| D-STAR               | PHASE MODULATION       | TELEMETRY               |
| DUAL BAND            | PSK31                  | TELEPHONY               |
| EME                  | PULSE MODULATION       | UPPER SIDE BAND         |
| FACSIMILE            | QAM                    | WINLINK                 |

73, de Mike WA8MKH, Carol KB8IMH

Teaching Tools		
 <p>If 2 resistors are in parallel and they both have the same value, to find the total resistance, divide one of the resistors by 2.</p> <p><b>Example:</b> 2 resistors are in parallel and are 100 ohms each. Divide one of the 100 ohm resistors by 2. The answer is 50 ohms.</p> 	 <p>The same is true of 2 identical capacitors in series.</p> <p><b>Example:</b> 2 capacitors are in series and are 20 MFD each. Divide one of the 20 MFD capacitors by 2. The answer is 10 MFD.</p> 	<p>The same is true of 2 identical inductors in parallel.</p> <p><b>Example:</b> 2 inductors are in parallel and are 10 mH each. Divide one of the 10 mH inductors by 2. The answer is 5 mH.</p> 

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

## KB6NU's Column for January 2009

### Date: Sunday, February 01, 2009 9:40 AM

**C**lass Projects By Dan Romanchik, KB6NUI have been teaching a General Class license class for the past five years. The first year, I had five students, the next year 35! This year, I have only five again.

Not being a pedagogical genius, it never really occurred to me until last year to give my General Class students a project to work on while we slogged through the material. Last year, some of them built little QRP kits. Not only was that fun, it was educational. Some of them had never even soldered before!

Since last year's project worked out so well, I am asking this year's students to do some kind of project, but one that they choose themselves. Here's the short list that I came up with:

\* Build a kit like my students did last year.

\* Build a 2m beam. At our first meeting, one of the guys noted that while he could hear a repeater about 30 miles away from his QTH, he wasn't able to hit it with the 5/8-wave-length vertical he was using. I suggest that he build a Cheap Yagi (<http://www.fredspinner.com/W0FMS/CheapYagi/vjbcy.html>).

\* Download some antenna simulation software and analyze a dipole or vertical antenna. MM-ANA (<http://mmhamsoft.amateur-radio.ca/mmana/index.htm>) is free and looks to be a pretty good program.

\* Learn Morse Code. Being the CW geek that I am, how could I not suggest this?

I wanted to give my students a bigger choice, so I asked the readers of my blog for more suggestions: Kenneth, W6KWF, replied, "Hands down the most useful and most successful projects I've built have been 2m J-poles. I've built both the 1/2-in. copper tubing and TV line variants, and use both as my primary antennas. The TV line one is nice because I live in an apartment, so when I need a good antenna, I tie a magnet to the top of it and stick it to my upstairs neighbor's balcony. It's a very forgiving antenna.

"Zeke also like the idea of building J-pole antennas. "You didn't mention the age group/groups you are working with," he said, "but have you thought about a hands-on project such as a j-pole for 2 or 6 meters. It would give them an opportunity to feel the pride that follows an involved project. Furthermore, the J-pole is a pretty good antenna.

"John N8ZYA, said, "I like the [idea of learning CW].it's like learning to play the guitar or piano. A skill that can be used your entire lifetime!

"Robert suggested, "How about building a 20 meter delta loop? I am very inexperienced when it comes to antenna building, but a friend suggested this for working DX on 20 meters and it worked out really well. In fact, my first contact on it was Spain!"I would love to offer my students even more choices. If you have a suggestion, please e-mail it to me at [cwgeek@kb6nu.com](mailto:cwgeek@kb6nu.com).

**THANKS !**

## Pioneer Amateur Radio Fellowship, INC.

### Dayton Hamvention 2009 Saturday May 16, 2009 5:30 AM

Are the gas pumps keeping you from the Hamvention? Is the thought of driving down to Dayton and then parking your car in some shopping center to be then bused to the hamvention keeping you from going? Why not take our bus to the Dayton Hamvention where you can come and go to the flea market with your great purchases and leave them on the bus. The bus will be parked close to the flea market entrance.

You can save \$10\* if you book before April 28th

The cost of the Bus & Entrance ticket to the Hamvention: \$65\* before April 28, 2009

The cost of the Bus Only to the Hamvention: \$50\* after April 28, 2009 (You will need to get your own Hamvention Entrance Ticket at gate \$25)

We will take riders right up to departure that morning if there are seats available. Departure time is 5:30 AM Sharp so please be on time so you don't miss the bus! Parking will be in the back of the church.

There will be a stop for breakfast at McDonald's and a dinner stop at the Hometown Buffet all of which will be on own.

Transportation is being provided by the Crossroads Transportation Company. This bus is a smoke free bus so there will be no smoking permitted.

To Order: Joy Spencer KA8TDF  
2101 Bigelow St  
Akron , OH 44314  
Or call 330-745-5115  
E-mail: [KA8TDF@arrl.net](mailto:KA8TDF@arrl.net)

Location of Departure is:  
Akron Baptist Temple  
2324 Manchester Road  
Akron, Ohio 44314  
Located on Rt 93 just north of Rt 224

Repeaters 147.135 & 146.610

\* PARF needs at least 20 riders by April 14th for this bus to be a guaranteed trip. So don't delay and please pass the word out to all of you ham friends & computer geeks. The above pricing does not include any tips.

(Thanks to Ted K8TWA for sending this article to us ! )

## ARRL & DX NEWS

ZCZC AG12  
 QST de W1AW  
 ARRL Bulletin 12 ARLB012  
 From ARRL Headquarters  
 Newington CT February 10, 2009  
 To all radio amateurs

### ARLB012 W1AW to QSY on 160 Meters

Starting Monday, March 9, Maxim Memorial Station W1AW will be using a new 160-meter frequency for its CW transmissions. To accommodate increasing activity near the current bulletin frequency of 1817.5 kHz, W1AW will move to 1802.5 kHz to reduce the possibility of interference.

**NNNN**  
**/EX**

### JIM SMITH, VK9NS (SK)

Jim Smith, VK9NS (ex-P29JS), of Norfolk Island, Australia, passed away Tuesday, February 10, after a short illness. He was 80. A noted DXer and ARRL member, Smith was #81 on the Islands on the Air (IOTA) Honour Roll <<http://www.rsgbiota.org>>.

According to Bernie McClenny, W3UR, editor of "The Daily DX", Smith was first licensed in 1947 as VS1BQ in Singapore: "Through the years, Jim operated as CAR (VU4 Nicobar), VS1BQ, DL2TH, HZ1AB, MP4BER, 9V1PR, P29JS, VR4BJ, H44BJ, G3HSR, C21AA, T3KJ, T3AJ, VK9YS, VK9XS, VK9NS, VK0JS/VK9N, 9M8JS, VK0JS, ZL0AAB, ZM7JS, ZL1BUN, T30JS, T1JS, T32JS, T33JS, A35MR, A51JS, S21U, WR1Z, WR1Z/KH9, S21ZA, VK9WW, A35MR/p, A51MOC, VU2JBS, NO1Z/KH1, VK9WW, WR1Z/KH8, H40AB and A52JS, just to name a few." Smith was originally from Leith, Edinburgh, Scotland.

McClenny said that in 1980, Smith founded the Heard Island DX Association (HIDXA) <<http://www.hidxa.nlk.nf/>>. Three years later, along with wife Kirsti, VK9NL, Smith put the rare VK0/H on the air as VK0NS and VK0NL. "Over the years, Jim put on several all time new countries — as well as many rare ones — from the Pacific and Asia," McClenny said. "In fact, he took part in the regulations for Amateur Radio in several DXCC entities. When not out on DXpeditions, Jim could usually be found on 14.222 MHz."

Mike Tessmer, K9NW/VK9NW, who visited Norfolk Island for a week in November 2004, remembered Smith fondly on the Society of Midwest Contesters' e-mail reflector: "I spent three wonderful afternoons at Jim and Kirsti's house having tea — coffee in my case — and discussing all things DX. Jim showed me the old Collins gear he

was restoring. I even picked up a few QSL cards from some of his past DXpeditions. Great memories!"

In an e-mail to ARRL Membership and Volunteer Services Manager Dave Patton, NN1N, Andy Chesnokov, UA3AB, told how he first met Smith in Bhutan in 2000 while on the A52A DXpedition <<http://www.qsl.net/bhutan2000/>>. "Boy, Jim was quite upset with us operating from 'his territory,'" Chesnokov said. "But we went along quite nicely after few minutes, and he even allowed us to operate his tiny station there. I met him few times after that and he was a true gentleman."

Calling him "a serious DXer," McClenny said Smith worked all countries on SSB, Mixed and only missing one on CW. In April 1986 Jim was inducted into the CQ DX Hall of Fame. One of Smith's last big projects was writing his autobiography, "The Old Timer" <<http://www.jimkirsti.com/books.html>>. Smith is survived by his wife Kirsti, VK9NL, and his four children: Bruce, G3HSR, Stuart, Sheena and Fraser. Condolences may be sent to Kirsti via e-mail <<mailto:jimkirsti@ni.net.nf>>. — Some information provided by "The Daily DX" <<http://www.dailydx.com/>>

ZCZC AP08 QST de W1AW

### Propagation Forecast Bulletin 8 ARLP008

From Tad Cook, K7RA Seattle, WA February 20, 2009

To all radio amateurs:

On February 11-13 we saw a sunspot, then it was gone. Typical of sunspots recently, it was only seen briefly, and this one was a relic of Cycle 23 according to its magnetic signature. For at least a couple of years now we've been expecting Cycle 23 to bottom out and new Cycle 24 spots to emerge, but the sunspot minimum drags on.

Most projections are based on past cycle activity, so according to the timing of past solar minimums, we keep thinking surely soon there will be an explosion of new solar activity, but the Sun seems to tease us.

Our recent experiment with a 3-month moving average of sunspot numbers (see Propagation Forecast Bulletin ARLP006 at, <http://www.arrl.org/w1aw/prop/2009-arlp006.html> for the latest update) points to August 2008 as the possible solar minimum. If it turns out to be the end of Cycle 23, that would make 23 nearly 12 years long, only a little longer than the less-than-eleven year average cycle length.

( Ed Note: For those of us who just keep waiting..... this page of ARRL articles are from the ARRL Letter. All rights reserved and permission is given to clubs for reprint provided credit is given to the ARRL. )



## IN MEMORIAM

### Mr. Jim France WA8HHO

It is with deep regret that we announce the passing of long time club member Mr. Jim France, WA8HHO. Jim passed away on February 20, 2009, at the age of 83 years, following a brief illness. Jim was a U.S. Navy veteran, serving in both World War II and the Korean War. He was a member of Christ Lutheran Church and the Clinton Lodge # 47. Amateur Radio was not Jim's only hobby as he enjoyed woodworking and fishing. He was preceded in death by his wife Marian, February 23, 1990, three brothers, Elmer, Harry, and Jack France, and one sister Thelma Dray. Surviving are daughter Suzanne L. (Robert) Pawlak of Columbus, and son Timothy J. (Kelly) France (WB8HHP) of Navarre Ohio, two grandchildren, and a sister Hazel Strohm of Massillon and Special Friend Vera Fetter of Massillon. Services were conducted on February 22, 2009 at the Atkinson Feucht Hare Funeral Home in Massillon. Burial was in the Sunset Hills Burial Park. On-line guest registry may be placed at: [www.atkinsonfeucht.com](http://www.atkinsonfeucht.com).

## PROGRAM FOR MARCH MEETING

March presentation is by WA8MKH Mike. His presentation is answering questions on his recent articles on the the analyzers and the spreadsheet he recently had sent out in January. With spring just around the corner we are all getting antenna projects lined up around our shacks and this should be very timely information. I will not be at the March meeting as I will be in Myrtle Beach chasing a little white ball around a field so that I can find it and hit it again and again. So enjoy the presentation. Thanks Mike for taking the time to do this. Anyone with any ideas for presentations please e-mail me at [ccunert@yahoo.com](mailto:ccunert@yahoo.com) I will take all ideas. No Jack Daniels presentations please, **Hi Hi.Carl**

## HISTORY OF HAM RADIO

Wow! Here is a web site that you "must" visit! If you are interested in the history of Ham Radio during the WWII era, then this is a wonderful place to visit. The text is way too long to print here in the Feedback but you can enjoy some very well written and some live audio as well.

Please go to: [www.astrosurf.com:80/luxorion/qs-ham-history9.htm](http://www.astrosurf.com:80/luxorion/qs-ham-history9.htm) I am sure you won't be disappointed. It will take a little time to read through all the text but it is well worth it. They are going to continue with more chapters in the future and probably will cover more of our early history. I personally can't wait to see the next version.

Thanks to Rick K8RIC for submitting this very fine web site to us.

**FOR SALE**

Brand New (in box) Icom IC-718. One week old, never used. Full guarantee. Amateur Electronic Supply cost..\$619. Everything plus included accessories..\$500.

**Call Bob N8KXO, 330-830-8792 Massillon, OH**

**FOR SALE**

TIMEWAVE DSP9+ works great, especially on CW. This is the best in external Digital Signal Processors. Asking \$ 80.00 for all.

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# March 2009

## W8NP Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<b>1</b> <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>  Monessen (PA) Amateur Radio Club MARC FEST 2009, www.w3csl.org	<b>2</b>	<b>3</b>  BD KC8RPE  Massillon Radio Net - 3599.5, 1930  Stark County ARES Net on 147.12 at 7:00 PM  VE Test Session, Cuyahoga Falls ARC, 1900, Bruce, 330-929-2766, Stow-Monroe Falls Public Library	<b>4</b>	<b>5</b> <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>	<b>6</b>  Massillon Amateur Radio Club Meeting, Senior Center, Massillon, 2000	<b>7</b>
<b>8</b> <b>Daylight Savings</b> <b>Time Begins</b>  Foothills ARC Hamfest, Greensburg, PA www.w3lww.org  <b>Massillon Radio</b> <b>Net - 3599.5, 1930</b>	<b>9</b>	<b>10</b>  BD N8FEB  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>  <b>Stark County</b> <b>ARES Net on</b> <b>147.12 at 7:00</b> <b>PM</b>	<b>11</b>  BD WB8OWM	<b>12</b>  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>	<b>13</b>	<b>14</b>
<b>15</b>  BD WA8GXM  <b>Massillon Radio</b> <b>Net - 3599.5, 1930</b>  Toledo Mobile Radio Assoc. Hamfest, Ctc: Brian, WD8MXR, 419-385-5624	<b>16</b>	<b>17</b>  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>  <b>St. Patrick's Day</b>  <b>Stark County</b> <b>ARES Net on</b> <b>147.12 at 7:00</b> <b>PM</b>	<b>18</b>  Skywarn Spotter Training, Stark State College of Technology, 1830	<b>19</b>  BD W8DEA  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>	<b>20</b>  <b>Spring begins</b>	<b>21</b>  Charleston (WV) Area Hamfest & Computer Show www.w3lww.org
<b>22</b>  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>	<b>23</b>	<b>24</b>  BD K8KIP  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>  <b>Stark County</b> <b>ARES Net on</b> <b>147.12 at 7:00</b> <b>PM</b>	<b>25</b>  Statewide Tornado Test, 0950	<b>26</b>  BD KA8KJW  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>	<b>27</b>  BD KC8ZWG	<b>28</b>
<b>29</b>  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>	<b>30</b>	<b>31</b>  <b>Massillon Radio</b> <b>Net - 3599.5,</b> <b>1930</b>  <b>Stark County</b> <b>ARES Net on</b> <b>147.12 at 7:00</b> <b>PM</b>	Upcoming Events:  4/19 - Sunday - Cuyahoga Falls ARC Hamfest  4/25 - Saturday - MS Walk, Massillon and Hartville			