

FEEDBACK

VOLUME 52 ISSUE I

JANUARY 2007

MASSILLON AMATEUR RADIO CLUB OFFICERS

PRESIDENT

Ralph Bugg
K8HSQ

VICE PRESIDENT

Scott McCamish
N3JJT

SECRETARY

Dan Anasits
N8DZM

TREASURER

Anne Ballinger
N8GAF



Contents

Secretary Report -----	2
N8ATZ Column -----	3
Important Late Breaking ARRL News -----	4
FAR Scholarships -----	5
ARES News-----	6
Fox Report & This & That--	8
Calendar by K8INN -----	9

-- SHORT SKIP --

Look'n deep into my Knight- Kit X-10 Crystal Calibrator's crystal I see for 2007:

- More sunspots for the deserving.
- More ARRL meddling with our bands.
- Improvements in BPL technology.
- More new "Tokoyo toys" at Dayton.
- Chinese made automatic ATU's.

Wishing you and yours all the best in 2007 !

73 de WB80WM

JANUARY MEETING

IMPORTANT NOTICE !

The meeting for the month of January will be held at the Otterbein United Methodist Church located at 6025 Shepler Church Road SW. on **SATURDAY January 13th at 6:00 PM**. This is of course our annual Awards Banquet, which will be held in place of the regular meeting. **Reservations are required.** Please call our Treasurer Anne at 330/832-8612 to make your reservations.

One of the "duties" of last month's meeting was to elect new Officer's for the Massillon Amateur Radio Club and they are:

President :	Ralph Bugg	K8HSQ
Vice President	Scott McCamish	N3JJT
Secretary	Dan Anastis	N8DZM
Treasurer	Anne Ballinger	N8GAF
Trustee's (3)	Don Finley	W8DEF
	Jim Farriss	WA8GXM
	Gene Beckwith	W8KXR

The new Officer's for 2007 will be sworn in at the Banquet meeting. Congratulations to all !

CORRECTION

We'd like to correct an error in last month's Christmas Parade commentary. We actually had 20 volunteers, not 19, and one of the most important was Jason, KC8LIN, who acted as liaison to the Massillon High School Cable channel TV Van for "real time" corrections to the parade lineup. Jason has handled this task for at least 8 years and has always been available for public service work. He was listed on our maps and volunteer line-ups so this omission is unusual and cannot be explained. Thanks again, Jason, for your help.

MARC MINUTES

December 1 2006

The Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 30 members and guests present .

MARC President Igor K8INN opened the meeting at 8:00 P.M. The Pledge of Allegiance was given and a round of introductions was made.

The November minutes were accepted by Byron KF8UN and second by Matt K8MAT as stated in the FEEDBACK.

MARC Treasurer Anne N8GAF had not received the bank statement so there was no financial report.

MARC Vice President Ralph K8HSQ gave the correspondence report. He had the usual newsletters from other Amateur Radio Clubs .

OLD BUSINESS AND COMMITTEE REPORTS

Dan N8DZM gave the fox hunt report. There will be another one on December 9th. Perry W8AU will be hiding it.

Dan N8DZM then gave his progress report on the grants he has applied for.

Perry W8AU talked about the Christmas Parade. Our apology goes to Jason KC8LIN, his name was omitted from last months FEEDBACK for his important part in this event. He did the communications.

Gary WC8W will now be net control operator for the Friday night info net. If you can help with this contact him.

Mike WA8MKH gave his report on the interference on the 718 repeater.

Gary WC8W said the MARC rotator and control box is in need of repair. A motion was made by Gary WC8W and second by Don W8DEF to have it repaired not to exceed \$250.00 a vote was taken and passed. Gary WC8W said the antenna has been repaired and waiting for good weather to put it back up. Byron KF8UN would like the long wire be up before February 16 & 17 for contesting.

NEW BUSINESS

The Trustees gave the projected 2007 budget report. The Hamfest tickets will stay at \$5.00. However Gary WC8W will limit mailing the FEEDBACK. If you have e-mail you will be receiving it that way in the future.

Jack N8LCS said FEMA wants more trained people. Don W8DEF has some study aids to help with this training, contact him if interested.

The Trustees handled the MARC elections of officers for 2007. Ralph K8HSQ will move to MARC President. Congratulations goes to Scott N3JJT for being elected MARC Vice President. Anne N8GAF will stay as MARC Treasurer. Congratulations goes to Dan N8DZM for being elected MARC Secretary. Congratulations goes to Gene W8KXR for being elected MARC Trustee with Don W8DEF and Jim WA8GXM.

The annual MARC banquet will be at 6:00 at Otterbein United Methodist Church 6025 Shepler Church S.W. Notify Anne for your reservations at \$10.00 per person.

Congratulations goes to Wade WD8MIU for winning the 50-50 for \$16.50.

At this time in my life I felt it necessary to retire as MARC Secretary after many years. Good luck to Dan N8DZM I know he will do a good job. Oh yes and Dan, don't forget the fluff fluff fluff :)

73' Linda K8MOO
retiring Secretary MARC

TO RECIEVE FUTURE EDITIONS OF FEEDBACK

Because of necessary budget cuts, club members decided to eliminate the number of Postal mailings as much as possible. Therefore we will begin to send out nearly all copies of Feedback via the e-mail system. If you have a computer and have internet and e-mail capabilities, and presently receiving the newsletter via US Post, please let me know as soon as possible so I can add you to the e-mail list. If you are having problems with receiving the newsletter this way, please let us know as soon as possible so we can help you fix it.

73's de Gary WC8W Editor, Feedback

... Happy New Year ! ...

Happy New Year everyone and welcome to 2007. May the new year bring you good health, great happiness and maybe even a few new radio toy's. I hope you all enjoyed the Holiday Page on the club website. As I write this column it's still a week before Christmas and the page has already had nearly 400 hits. Someone must be looking at it. We normally leave the page activated until January 1st and I'm anxious to see if we can top 500 page visits by then. This will be the most ever since the page was established several years ago. I also want to thank club members Ed Clinger – WA8DRT and Ric Willaman – K8RIC for the holiday items they sent me. They were great contributions to the site and I hope you got a chance to view them.

.. 2006 ARES Public Service Report ..

2006 was another active year for both the club and ARES. I am currently working on my annual Public Service Report detailing our public service efforts during 2006. I hope to have it finished in a few weeks. Once it's completed I'll post in on the Stark County ARES website.

.. Speaking of Public Service ..

Speaking of public service, you will remember that Jack Wade – N8LCS brought up at the last club meeting the fact that commercial public safety forces are being required to complete certain FEMA training courses and ham radio operators may also need this training to continue to assist local public safety forces. MARC member and past President Joe Herrick – WD8BGW, Captain of the Massillon Police Department also noted he had to complete this certification as part of new policy.

Most of the assistance currently provided by the Stark County ARES centers around the Stark County Emergency Management Agency under the Direction of Tim Warstler. I have had several meetings with Tim to determine what qualifications may be needed in the future to continue to provide this assistance. Tim has noted in the past that he would like ARES operators to take a more involved role in his communications operations in the future.

Tim believes that while no specific qualifications have been set to provide assistance to his office, this could always change. For now, Tim relies on the Stark Co ARES to only provide qualified operators to assist with any operations involving the EOC. Tim does believe all training is beneficial and does encourage all area amateurs to obtain a variety of public service training including both the ARRL Emergency

Communications Certifications and FEMA's Independent Study program.

Several years ago the club sponsored a training night that covered emergency services training that was well received by the membership. I believe we completed this program in a single evening and was presented by both Don – W8DEF and Jason – KC8LIN. Perhaps we could consider sponsoring an introductory FEMA course as a public service activity early this year. Hopefully we could complete it during a single evening to coincide with a club meeting. If not perhaps we could work out something with the Senior Center for another evening.

It would be nice to know how much interest there would be in having this as a club project. Think about it and lets talk about it at the February club meeting. I should have some details available by then.

.. Red Cross Activities ..

There has also been discussion over that last several months concerning the new Red Cross background checks that are now necessary when involved in any Red Cross activities. This is an important issue to all local ARES members. After the Stark Co EOC area amateurs have provided assistance to our local Red Cross Chapter for many years. Most of our local ARES members do not have the necessary background checks that are now required.

In the last ten years, amateurs have been called upon many times to provide Red Cross assistance during severe weather when relief shelters were established and staffed by local radio operators. This was also a consideration when we decided to establish a working Winlink System here in Stark County. If a similar emergency were to happen this season, I'm concerned that we would be unable to provide the same level of response and assistance to this agency due to these new restrictions.

With this thought in mind I have asked our local Red Cross Liaison Jim Farris – WA8GXM to clarify exactly what assistance we could provide during an emergency under these new policy guidelines. During the next several months we hope to set up a plan if this should happen. More on this topic later on.

73's For Now, De Terry – N8ATZ



ZCZC AG30
 QST de W1AW
 ARRL Bulletin 30 ARLB030
 From ARRL Headquarters
 Newington CT **December 16, 2006**
 To all radio amateurs

SB QST ARL ARLB030

ARLB030 FCC to Drop Morse Testing for All Amateur License Classes

In an historic move, the FCC has acted to drop the Morse code requirement for all Amateur Radio license classes. The Commission today adopted a Report and Order (R&O) in WT Docket 05-235. In a break from typical practice, the FCC only issued a public notice at or about the close of business and not the actual Report and Order, so some details — including the effective date of the R&O — remain uncertain. The public notice is located at, http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-269012A1.pdf.

Also today, the FCC also adopted an Order on Reconsideration, in WT Docket 04-140 — the “omnibus” proceeding — agreeing to modify the Amateur Radio rules in response to an ARRL request to accommodate automatically controlled narrowband digital stations on 80 meters in the wake of rule changes that became effective today at 12:01 AM Eastern Time. The Commission said it will carve out the 3585 to 3600 kHz frequency segment for such operations. Prior to the long-awaited action on the Morse code issue, Amateur Radio applicants for General and higher class licenses had to pass a 5 WPM Morse code test to operate on HF. The Commission said today’s R&O eliminates that requirement for General and Amateur Extra applicants.

“This change eliminates an unnecessary regulatory burden that may discourage current Amateur Radio operators from advancing their skills and participating more fully in the benefits of Amateur Radio,” the FCC said. The ARRL had asked the FCC to retain the 5 WPM for Amateur Extra class applicants only. The FCC proposed earlier to drop the requirement across the board, however, and it held to that decision in today’s R&O.

Perhaps more important, the FCC’s action in WT Docket 05-235 appears to put all Technician licensees on an equal footing: Once the R&O goes into effect, holders of Technician class licenses will have equivalent HF privileges, whether or not they’ve passed the 5 WPM Element 1 Morse examination. The FCC said the R&O in the Morse code docket would eliminate a disparity in the operating privileges for the Technician and Technician Plus class licensees. Technician licensees without Element 1 credit (ie, Tech Plus licensees) currently have operating privileges on all amateur frequencies above 30 MHz.

“With today’s elimination of the Morse code exam requirements, the FCC concluded that the disparity between the operating privileges of Technician Class licensees and Technician Plus Class licensees should not be retained,” the FCC said in its public notice.

“Therefore, the FCC, in today’s action, afforded Technician and Technician Plus licensees identical operating privileges.”

The wholesale elimination of a Morse code requirement for all license classes ends a longstanding national and international regulatory tradition in the requirements to gain access to Amateur Radio frequencies below 30 MHz. The first no-code license in the US was the Technician ticket, instituted in 1991. The question of whether or not to drop the Morse requirement altogether has been the subject of often-heated debate over the past several years, but the handwriting has been on the wall. A number of countries, including Canada, no longer require applicants for an Amateur Radio license to pass a Morse code test to gain HF operating privileges. The list has been increasing regularly.

The FCC said today’s R&O in WT Docket 05-235 comports with revisions to the international Radio Regulations resulting from the International Telecommunication Union (ITU) World Radiocommunication Conference 2003 (WRC-03). At that gathering, delegates agreed to authorize each country to determine whether or not to require that applicants demonstrate Morse code proficiency in order to qualify for an Amateur Radio license with privileges on frequencies below 30 MHz.

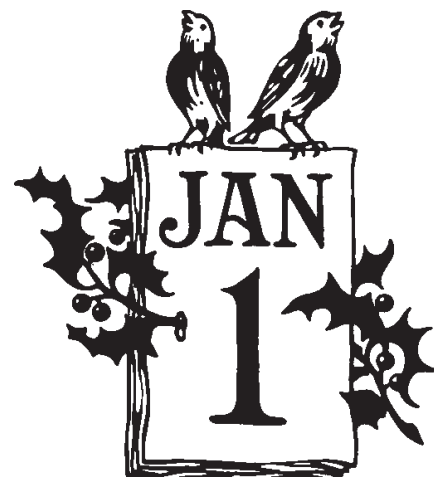
Typically, the effective date of an FCC Order is 30 days after it appears in the Federal Register. That would mean the Morse requirement and the revised 80-meter segment for automatically controlled digital stations would likely not go into effect until late January 2007.

The ARRL will provide any additional information on these important Part 97 rule revisions as it becomes available.

NNNN
/EX



HAPPY NEW YEAR



AMATEUR RADIO

NEWS RELEASE

For Immediate Release

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to administer fifty-six (56) scholarships for the academic year 2007 - 2008 to assist licensed Radio Amateurs. The Foundation, composed of over seventy-five local area Amateur Radio Clubs, fully funds three of these scholarships. Eleven are funded with the income from grants. The remaining forty-two (42) are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$3000 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Non-USA residents are eligible to apply for some of the scholarships. Clubs, especially those in **California, Delaware, Maryland, Ohio, Pennsylvania, Texas, Virginia and Wisconsin** (areas of preferred residence for some of the scholarships), are encouraged to announce these opportunities at their meetings, in their club newsletters, during training classes, on their nets and on their world wide web home pages.

Additional information and an application form may be requested by letter or QSL card postmarked prior to April 30, 2007 from:

FAR Scholarships
Post Office Box 831
Riverdale, MD 20738

Applications are also available electronically upon request to
[Scholarships @Farweb.org](mailto:Scholarships@Farweb.org)

The Foundation for Amateur Radio, incorporated in the District of Columbia, is an exempt organization under Section 501 (C)(3) of the Internal Revenue Code of 1954. It is devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

OHIO ARES DISTRICTS REALIGNED NINE DISTRICT MAP INCLUDED EFFECTIVE NEW YEARS DAY

By Frank Piper, KI8GW
Ohio Section Emergency Coordinator

The realignment of the Ohio ARES map, which has been discussed the past year, has been finalized. The changes are effective, January 1, 2007. A realignment proposal was first introduced by former SEC John Chapman, WB8INY during the 2006 Ohio Section ARES conference. This new plan aligned the Ohio ARES districts with those of the Ohio Citizen Corps Lead Volunteer Center Districts, which coincided with Homeland Security districts.

Burt any hams commented that there was little to input asked for by the hams of the section, and there were many questions left unanswered, such as the large size of a few districts (one being 18 counties), compared to one small district (5 counties). Plus I found there was no evidence that the previous SEC had taken into account any effect this new mapping would have on existing structures such as SKYWARN, Red Cross districts, local EMA plans, etc.

So, in very short time of taking over as SEC on June 1, I made a statement that no redistricting would be done without further study. A few weeks later, I made another statement that NO redistricting would happen in 2006, so I would have time to study the plan with my DEC's, and the Ohio Citizen Corps.

I was on a mission to not implement a plan for implementations sake, but to develop a plan that would work within the Ohio section that would have the most benefit for all served agencies, and have "buy-in" from the ARES volunteers who would have to work within the plan.

An Internet chat group was set-up for myself and the DEC's, to share files, and have open discussions. Places I visited to give talks (Madison County ARC (London), Voice Of Aladdin Hamfest (Columbus), Northwest Area SKYWARN (Norwalk), Clark County ARES (Springfield), and Portage County Hamfest) always included a discussion on the proposed plans, and requested feedback. Much feedback was given by the DEC's, several county EMA directors, and even the office of the Cleveland National Weather Service.

The final plan came to my mind after input from all the meetings I visited, and the discussions with the DEC's on the chat group. It was apparent that several of the larger sections could not get away from being covered by multiple DEC's. But, if we had left things the way they were, several of the Ohio Citizen Corps districts would have been overlapped by up to 3 DEC's! With this new plan, many of the larger districts will be covered by no more than 2 DEC's, making it easier for coordination of events within those Ohio Citizen Corps districts.

THE NEW ARES DISTRICT MAP

The new Ohio map of ARES districts is available on the Ohio Section Web Site >www.iarc.ws/ohio<. It shows that we are changing the district boundaries to align with the Lead Volunteer Centers of the Ohio Citizen Corps and the Regional Medical Response System, while still supporting existing SKYWARN reporting plans. This new plan also falls in agreement with the National Incident Management System, maintaining 8 to 11 counties per District Emergency Coordinator.

The new district plans, with county listings, are as follows:

District 1—WB8HHZ/DEC
Cuyahoga-Erie-Hancock-Huron-Lorain-Lucas-Ottawa-Sandusky-Seneca-Wood

District 2—N8WBD/DEC
Allen-Auglaize-Defiance-Fulton-Henry-Mercer-Paulding-Putnam-Van Wert—Williams

District 3—W8ILC/DEC
Champaign-Clark-Darke-Greene-Miami-Montgomery-Preple-Shelby

District 4—N8TVU/DEC
Adams-Brown-Butler-Clermont-Clinton-Hamilton-Highland-Warren

District 5—KB8WPZ/DEC
Ashtabula-Carroll-Columbiana-Geauga-Lake-Mahoning-Portage-Stark-Summit-Trumbull-Tuscarawas

District 6—KC8GNL/DEC
Ashland-Crawford-Holmes-Knox-Marion-Medina-Morrow-Richland-Wayne-Wyandot

District 7—W8UL/DEC
Delaware-Fairfield-Fayette-Franklin-Hardin-Licking-Logan-Madison-Pickaway-Union

District 8—N8SUZ/DEC
Athens-Gallia-Hocking-Jackson-Lawrence-Meigs-Perry-Pike-Ross-Scioto-Vinton

District 9—W8FHF/DEC
Belmont-Coshocton-Guernsey-Harrison-Jefferson-Monroe-Morgan-Muskingum-Noble-Washington

This new district plan will take effect beginning January 1, 2007. I am asking all DEC's to work together to make the transition smooth, and to have all affected counties information transferred prior to the January 1 date to the best of their ability.

One of the first actions I had taken upon accepting the SEC position was a promise to the Amateur Radio operators of the Ohio Section, that I would not implement a plan without getting buy-in from the DEC's and EC's of the Ohio Section. I'm proud to say that the teamwork within the

Section allowed all of us to come up with a "Win-Win" solution, which will allow the Ohio Section ARES to better serve all of the served agencies within Ohio.

ARRL Ohio Section
 Section Manager: Joseph J. Phillips, K8QOE
k8qoe@arrl.org

DIGITAL SPREAD SPECTRUM

(Thanks to RicK K8RIC for submitting this article)

Digital spread spectrum (DSS) technology has its roots back in World War II and has evolved into the technology of choice for the cordless phone (as well as many other sophisticated communications systems, especially in the military). Cordless phones are now truly “ready for prime-time” thanks to affordable DSS technology.

Spread spectrum technology can be implemented in several different ways, but the most common and easiest to understand involves frequency hopping. This technique was co-invented by actress Hedy Lamarr during World War II, to help direct American torpedoes and prevent them from getting jammed and sent off-course. Lamarr and her arranger invented the frequency-hopping concept. Since Lamarr didn’t use her stage name on the patent, it took years for the story of patent 2,292,387 to surface. It never made her any money.

The World War II electronics were primitive. Hedy’s arrangement used a mechanical switching system, similar to a player piano roll, to shift control frequencies faster than the enemy could follow. The concept was taken up by engineers in 1957 and became the basic tool for secure military communications. It was installed on the ships sent to blockade Cuba in 1962, about three years after the patent expired. (See this fascinating story to learn more.)

The basic idea behind frequency hopping is simple — instead of transmitting on one frequency, a spread spectrum system switches rapidly from one frequency to the next. The choice of the next frequency is random, so it is nearly impossible for someone to eavesdrop or jam the signal. The challenge is to keep both the transmitter and receiver synchronized — but with accurate clocks and pseudo-random number generators, this is straightforward. Spread spectrum has been recently combined with digital technology for spy-proof and noise-resistant battlefield communications. In civilian life, you see it most often in cordless phones and wireless local area networks.

In non-military applications, the security is nice, but the larger problem is limited frequency spectrum. It is getting harder and harder to find clear channels on the crowded airwaves. Spread spectrum gives engineers a way to fit cordless phones into an existing spectrum without jamming the devices already using it. Assume a phone is transmitting at 1 watt, but

is hopping between dozens or hundreds of channels very rapidly. Other devices don’t “see” the phone because it is transmitting for only a fraction of a second on any channel. Therefore, the average perceived power on any given channel is extremely low, and other devices using that channel don’t even notice it. The phone creates the equivalent of a low-power noise pattern across all of the channels it uses. Other devices deal with noise already, so the phone is essentially invisible to devices using specific channels.

A cordless DSS telephone provides:

a.. Longest range - Due to higher transmitter power (1 watt) allowed by the FCC, you can expect seven to eight times the range of an earlier .001-watt cordless 43-49 MHz telephone, and about three or four times the range of an analog or digital 900-MHz cordless telephone. The 900-MHz phones all have a better range due to the wavelengths being shorter — shorter waves are easier to bounce off objects. However, only the DSS versions of the 900-MHz cordless telephones can use the full 1 watt of transmitting power. The normal digital and analog versions of the 900-MHz phones have a lower power limitation.

b.. Best sound quality - Since the spread spectrum signal is uniformly spread over a wide range of frequencies for transmission, the signal avoids interference and noise from other signals. Older 43-49 MHz cordless phones had only 25 crowded channels and were very susceptible to interference. And 900-MHz analog phones still suffer from the interference problems of any analog cordless telephone, and can be heard on inexpensive radio scanners or your neighbor’s same-brand cordless telephone. A spread spectrum phone is much less susceptible to signal fading. This makes the reception of a spread spectrum cordless phone much less sensitive to the location and orientation of the handset than that of a conventional lower-power analog cordless telephone.

c.. Highest security - Due to digital transmissions and constantly changing frequency channels in use, only the matching receiver has a copy of the pre-assigned spreading code. Millions of scrambling codes are available and are selected automatically when the headset is lifted from the cradle. Common radio scanners cannot hear a DSS cordless telephone conversation.

These links will help you learn more:

- a.. TAPR.org: Spread Spectrum
- b.. [Casio](http://Casio.com): 900 MHz Cordless Technologies
- c.. [Spread Spectrum Tutorial](http://SpreadSpectrumTutorial.com)
- d.. [Conexant](http://Conexant.com): Digital Spread Spectrum (DSS) Cordless Telephone Technology
- e.. [How Cordless Telephones Work](http://HowCordlessTelephonesWork.com)
- f.. [How Radio Works](http://HowRadioWorks.com)
- g.. [How the Radio Spectrum Works](http://HowtheRadioSpectrumWorks.com)
- h.. [How Radio Scanners Work](http://HowRadioScannersWork.com)
- i.. [What does 900 MHz mean in a cordless phone?](http://WhatDoes900MHzMean.com)
- j.. [Can anyone hear my baby monitor?](http://CanAnyoneHearMyBabyMonitor.com)
- k.. [How does a CB radio antenna work?](http://HowDoesACBRadioAntennaWork.com)



Saturday December 9th was our last Fox Hunt and Perry W8AU was our Foxmeister. We had a light coating of snow on the ground from the night before. The previous Fox Hunt was a cold rainy day. I think a pattern is starting to develop.

The Fox Transmitter was hid in Community Park off of 241. This is a really big park with many ball diamonds, which I got to see all of them. Jim WA8GXM was already there for quite some time before I arrived. After about another hour we decided to team up while searching. It took us yet another hour to finally locate the pesky little Fox hiding behind a tree.

The next Fox Hunt will be Saturday January 20th at 9:00 a.m. on 145.62. Listen on 147.18 that morning for more details. Maybe it will be real cold and windy.

73's de Dan N8DZM

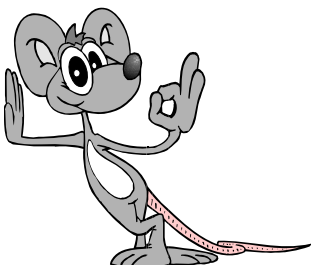
SPECIAL PREFIXES FOR MEXICAN HAMS IN 2007

Starting January 1 through December 31 of 2007, we will be using special prefixes in Mexico in commemoration of the 75th anniversary of Mexico's equivalent of the ARRL, Federación Mexicana de Radio Experimentadores (FMRE).

- XE1 stations will be using 6H1 prefix.
- XE2 stations will be using 6I2 prefix (That is Six India Two)
- XE3 stations will be using 6J3 prefix.

We are planning many portable and QRP ops for 2007, so please be listening for us!

Steve, XE1UFO (6H1UFO)
Santiago de Querétaro, Mexico



“HELLO” CAMPAIGN COMES TO A CLOSE



— Amateur Radio past, present and future will be the focus as the ARRL's "Hello" campaign concludes with on-the-air events Friday and Saturday, December 29 and 30. Aimed at putting a friendly face on Amateur Radio, "Hello" also has celebrated "100 years of voice over radio worldwide." In 1906, Canadian experimenter Reginald Fessenden transmitted a program of voice and music — in essence the world's first radio broadcast — from Brant Rock, Massachusetts. His original goal had been to make voice radio contact with a station in Machrihanish, Scotland, but that plan fell through after a storm felled the Scottish station's antenna. ARRL Media and Public Relations Manager Allen Pitts, W1AGP, says, Fessenden, "in true ham radio spirit," switched to "Plan B," broadcasting a Christmas Eve program to ships at sea.

(You can read the entire story on the Club's website: www.marcradio.org)

ONE LAST “SHOT”

Ahhh Yes ! One last look at Field Day 2006, the warm breezes, picture perfect brilliantly blue skies, "Ole Glory flappi'n in the breeze, and all the antennas reaching skyward . JUST WAIT "TIL NEXT YEAR !!!!!!!!!!!

(photo by Rick K8RIC)



January 2007

W8NP Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																																
Upcoming Events: Sunday, February 4 - Winter HAM fest, NOARS, Avon Lake Sunday, February 11 - Mid-Winter Hamfest, Mansfield	<i>1</i> New Year's Day	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i> Mansfield ARC Center, 6:00pm	<i>6</i> BD N8ZQF BD WD8PTW																																																																																																																
<i>7</i>	<i>8</i> BD KB8SBZ BD WA8YGR	<i>9</i>	<i>10</i>	<i>11</i>	<i>12</i>	<i>13</i> BD K8LP BD KA8FTS MARC Banquet, Otterbein United Methodist Church, 6025 Shepler Church Avenue SW, 6:00 PM																																																																																																																
<i>14</i> BD KB8YKE	<i>15</i> Martin Luther King, Jr.	<i>16</i>	<i>17</i>	<i>18</i>	<i>19</i>	<i>20</i> VE Test Session, Inter City ARA, 1300, Ctc.: Richard Fletcher, 419-886-2463, Sr. Citizen / Training Center, Mansfield																																																																																																																
<i>21</i>	<i>22</i>	<i>23</i>	<i>24</i>	<i>25</i> BD KC8ZCS	<i>26</i>	<i>27</i>																																																																																																																
<i>28</i> Tusco ARC Hamfest, Strasburg, OH, Wallick Auction House, Ctc: Gary Green, K8WFN (740)922-4454	<i>29</i> BD W8HOU	<i>30</i>	<i>31</i>	<table style="margin: auto; border: 1px solid black;"> <tr> <th colspan="7">Dec 2006</th> <th colspan="7">Feb 2007</th> </tr> <tr> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> <th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td> <td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td> </tr> <tr> <td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> <td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td> </tr> <tr> <td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> <td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td> </tr> <tr> <td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td> <td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td> </tr> <tr> <td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td> <td>25</td><td>26</td><td>27</td><td>28</td><td></td><td></td><td></td> </tr> <tr> <td>31</td><td></td><td></td><td></td><td></td><td></td><td></td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>			Dec 2006							Feb 2007							S	M	T	W	T	F	S	S	M	T	W	T	F	S						1	2					1	2	3	3	4	5	6	7	8	9	4	5	6	7	8	9	10	10	11	12	13	14	15	16	11	12	13	14	15	16	17	17	18	19	20	21	22	23	18	19	20	21	22	23	24	24	25	26	27	28	29	30	25	26	27	28				31													
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