



Season's Greetings

FEEDBACK



DECEMBER 2004



VOLUME 49

NUMBER 12

DECEMBER MEETING

The meeting for the month of December will be held at the Massillon Senior center in downtown Massillon on December 3, 2004 at 8:00 PM

Want to make at least one of your Christmas wishes come true? Than be sure to attend the December Massillon ARC meeting and VOTE (or NOMINATE) for your favorite candidate for Officer in the Mssillon Amateur Radio Club for 2005. At last month's meeting we had some fine people nominated but there was no oppisition. It will be a dull vote if no one runs against them! So we need your nonination.! This vote will not only determin the Officers for 2005 but will determin who will be the MARC President for 2006! Imporntnt meeting? You better believe it!

AWARDS BANQUET

The annual Awards Banquet will be held at the Perry Grange which is located at 6300 Richville Drive, just north of the Richville Drive and Navarre road intersection. The date for the Banquet will be January 8th, 2005. Doors will open at 5:30 and dinner will begin at 6:00 PM. Everyone attending will need to make reservations with our Club Secretary, Linda K8MOO or Treasurer, Ann N8GAF. Each dinner will cost \$ 9.00 which consists of salsbury steak, chicken, potatoes, vegetable, role with butter and a dessert and served family style. A real bargain for today's prices. At this time it is not known if we will have a guest speaker, but I'm sure you will have a great time anyway! So plan on attending and be sure to bring the XYL, I'm sure she would enjoy a great night out and enjoy a great meal. We will of course have the "serious" awards as well as the ever popular "not so serious" awards ! So plan on attending, I'm sure you and the wife (guest) will have a great time !

- SHORT SKIP --

You must admit it has been a most interesting year. My annual visit to the trusty crystal calibrator for 2005 predictions will be in next month's column. Meanwhile, here's hoping you receive the eternal gift of Christmas and let's keep our bands alive in 2005 !

73 de WB80WM

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MARC MINUTES

November 6,2004

The Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 31 members and guests present.

MARC President Jim WA8GXM opened the meeting at 8:05 P.M. The Pledge of Allegiance was given and a round of introductions was made.

Vice President Joe WD8BGW was absent, so there was no correspondence report.

Jim WA8GXM then asked to suspend reading the October minutes. They were accepted as stated in the FEED-BACK by Terry N8ATZ and second by Byron KF8UN.

MARC Treasurer Anne N8GAF gave the financial report. She gave the results of the Safety Break. Thanks to all that helped to make it very successful. She then gave the Hamfest results. Thanks again to all who helped, but could we have done better ?

Jim WA8GXM thanked everyone who helped set up the Hamfest Saturday. Those who attended to the pre Hamfest Banquet and especially to those who worked on Sunday during the Hamfest.

Congratulations goes to MARC member Don Guisinger, KC8RPE for winning the Hamfest first prize.

OLD BUSINESS

Perry W8AU has not heard from ODOT yet about the adopt a highway clean up project Hopefully he will have a report next month. .

Dan N8DZM passed out his very extensive Hamfest survey report. He had the total of how many Hamfest admission and extra prize tickets were sold, not only for this year but for a number of past years as well. The attendance trend is showing a steady decline. Officer's, Trustee's and members will have to make some very hard decisions in the next few month's.

Perry W8AU had a sign up sheet for helpers needed on November 20th to line up the Christmas Parade in downtown Massillon.

Gary WC8W will be holding V.E. Sessions November 27th. at 9:00 A.M. at the Emergency Operations Center.

NEW BUSINESS

Rodger KA8FTS said the Tusco Hamfest in January will be held in Strasburg, Ohio this year.

Gary WC8W brought to our attention it's election time again. Be sure to come to the December meeting to vote for your MARC officers.

Jack N8LCS and Charlie KB8STV gave comments about Don W8DEA and his work with FEMA Don returned to Florida in October and is still there helping other FEMA agents and the many hurricane victims .

Perry W8AU said MARC qualifies for a summer time holiday Safety Break. Don W8DEF itemized everything used at MARC last Safety Break.

Congratulations goes to Charlie KB8STV for winning the 50-50 for \$16.00.

Minutes by Linda K8MOO
Secretary MARC

IMPORTANT

MARC HAMFEST DECISION

A trustee's meeting was held on November 23. A new proposal concerning the **Future** of the Hamfest was presented to the Officer's and Trustee's. This proposal will be presented to the membership at the December meeting.

... Ohio Section Website News ...

Don Wade – W8DEA's time in Florida with FEMA is currently spotlighted on the ARRL Ohio Section website. I recently relayed Don's story to Section Manager Joe Phillips – K8QOE who notified Public Information Coordinator and Section webmaster Scott Yonally – N8SY. Scott was very interested and requested I send him the complete story to post to the Ohio Section website. If you would like to view the story go to <http://www.iarc.ws> for the Ohio Section page. A direct link to W8DEA's story is currently posted on the main page.

You will also find a link to the current Winter Edition of the Ohio Section Journal. The current edition has current section news and reports from the section leadership including current ARES news from Section Emergency Coordinator John Chapman – WB8INY. Fire up you computer and have a look at the Ohio Section Website and Don's story !.

.... MARC Assists With the 50th Annual Holiday Parade ...

On Saturday, November 20th, Santa Claus officially arrived in Massillon riding high in the tail section of a Massillon Fire Department Ladder Truck assisted by members of the Massillon Amateur Radio Club in the 50th Annual Holiday Parade. This is the longest running public service event handled by the club.

Sponsored in recent years by the Downtown Merchants Association, our main responsibility has continued to be staging the over 100 units that made up this years parade. Additional duties included safety communications, logistical support to parade organizers and the Massillon Police Department, parade marshalling and coordination of the WHS TV production control by providing unit confirmation and last minute line-up changes and additions.

Parade safety will always remain an important responsibility as we provide assistance with crowd control while the parade is in motion.

With over 100 units comprising this years parade, organizing the line-up continues to be one of the most challenging (and hectic) aspects of the parade and is totally handled by our radio operators.

Again this year the club had the honor of showing off our EComm Trailer in the parade, modestly decorated to fit the holiday theme of the parade complete with a Christmas tree. It is always heartwarming to see the positive response we receive from the residents of the community as we make our way along the parade route. This year Ralph volunteered

to pull the trailer using his sharp Ford pickup which made for a very sharp looking unit. Special thanks to Ralph for this effort.

Communications Coordinator Perry Ballinger - W8AU, as well as Parade Chairman Donald Harwig, President of the Downtown Merchants Association want to thank the club for its long running support of this annual holiday tradition. This years volunteers included, Anne – N8GAF, Gary – WC8W, Jason – KC8LIN, Igor – K8INN, Scott – N3JJT, Scott – KC8ZCT, Sarah – KC8ZCS, Terry – N8ATZ, Jim – WA8GXM, Ralph – K8HSQ, Dan – N8DZM, Sandra – N8TZB, Dennis – K1FFA, Don – W8DEF, Linda – K8MOO, Rodger – KA8FTS and Joe Herrick - WD8BGW fulfilling his primary role on the Massillon Police Department.

Congratulations on another job well done and a great community service.

.. As We Bring The Year To A Close..

The holiday season is upon us and it's time to spend with friends and family while giving thanks for everything we have realizing that so many will be spending this holiday season so far from home in harms way.

Very soon I will again activate the holiday page on the club's website. I have found a few new items to post there including some new holiday music, light displays plus lots of other items. Let me know if you have anything you would like to post there, I'm always looking for idea's. It is our gift to you, the members of the Massillon Amateur Radio Club and the many friends and visitors who regularly visit our website.

I wish you and yours a very Merry Christmas and a prosperous New Year filled with happiness.

**Happy Hanukkah, Feliz Navidad and 73's for now.
Terry – N8ATZ**



MARC HAMFEST 2004 - REVISITED

With nearly perfect weather the MARC Hamfest 2004 went off nearly perfect. Attendance was down a little from last year and that problem will be addressed at the meeting. It seems that everyone attending had a really good time, meeting old friends and hunting for that "can't leave for home with out it" bargain!



In the picture above many people are finding that "just" right bargain. Photo courtesy of Ed WA8DRT.



In the picture above, Kip K8KIP and his wife Gladis, N8ZQF, one of our "regular" vendors (and Club members) show Dennis N8UDL, a bargain he "can't live without" of!

One of the more popular spots in the Hamfest was at the Auction. In the picture below, Perry W8AU controls the "action" while getting help from Byron, KF8UN and Perry's son Bob, N8KXO.



Another popular spot was the MARC Club table. this year manned by Charlie, KB8STV and myself Gary WC8W. Both photos are courtesy of Rick WA8TSU

AND THE WINNERS WERE !

- 1st Prize: Don Guisinger KC8RPB
- 2nd Prize Steve Hobensach
- 3rd Prize Bill Hannon N8PW
- 4th Prize Jerry Vanaskey N8BM
- 5th Prize Sam Ross \$40.00

GOOD LEAD AND BAD LEAD..:

Commonly used inside your electronics toys, solder holds a lot of electronics together. Most older solder contains about 40% lead and 60% tin. Besides the fact that the EPA is interested in removing lead from the environment, Europeans have adopted a stronger position: NO lead in electronics starting 1/1/2004. Lead-free alloys that have been tested include tin (96.511%)/silver(3.5%), tin(99.3 %)/copper 0.7%, and literally dozens of others including solder with three metals such as tin/silver/copper, and solder with four metals such as tin/silver/bismuth/indium.

But besides lead pollution via chemical means, there is actually an issue with radioactivity. Lead is derived from radioactive decay of uranium(234 and 238) after being disburbed from the exploding cores of supernovae (SLM). (Really!) There are three isotopes of lead (three types of lead atom - each having different numbers of neutrons in the atom's nucleus). Lead(214) is five steps down a chain of decay of Uranium(234) that takes about 750,000 years per half-life (half the remaining material decays in one half-life). Lead 214 decays into bismuth(214) with a 20 minute half-life, followed by polonium(214) in 164 microseconds (!) to lead(210). Lead(210) half-life is 22.3 years, becoming bismuth(210) for 5 days half-life, then polonium(210) for 138 days half-life and finally U-210 into lead(206) which is not radioactive and lasts a really long time, essentially the rest of the lifetime of the universe. During the decay of polonium, alpha particles (helium atom nuclei) are emitted. It's the alpha particles that worry us. They could and will travel from the slightly radioactive forms of lead, which might be in the solder, into our memory chips or CPUs and cause random computational errors and computer crashes.

Lead(206) as we know it is the most predominant. All lead sources, most of them being galena (lead sulphide) mines, or via a laser isotope separation process operated in Russia, and some antiquity sources. Antiquity sources commonly include old sunken ships, where lead was used centuries ago to prevent barnacle formation in sea water. After several centuries the lead will have decayed and become "cold". Sea salvage companies retrieve the "cold" lead when they can. Also, there can be old "color" lead pieces in some archeological sites, but then the archeologists don't want to part with their lead pieces just so the lead can be melted into solder.

The electronics industry uses well over several metric tons of lead every year just for solder bump leaded "flip chips" - not counting what goes into making circuit boards. Big companies have acquired good "cold" lead mines. So finding "cold" lead is a "hot" topic these days. Don't throw away your old fishing weights! (Just kidding. But don't. They need to be recycled properly.)

(Article rewritten from West Park Radiops, Volume XXXIX Number 6)

SKYWARN RECOGNITION DAY

SKYWARN Recognition Day is sponsored by the National Weather Service (NWS) and the American radio relay League (ARRL). It honors the contributions that Volunteer SKYWARN radio operators make to the National Weather Service and pays tribute to them for their vital public service.

The SKYWARN Recognition Day event will be held December 4, 2004 from 0000 - 2400 UTC (6:00 pm Friday to 6:00 pm Saturday). The La Crosse National Weather Service (NWS) office is planning to operate from 0000 UTC (6:00 pm Friday local time) to 0700 UTC (midnight Friday) and from 1200 UTC (6:00 am Saturday) until everyone has had their fun and wants to pack up and go home. In the past this had been around 2100 UTC (3:00 pm Saturday) before it gets dark.

This year the high frequency radios and antennas will be set up by the Mississippi Valley Amateur Radio Association and Riverland Amateur Radio Club. Both groups will assist you with any radios, bands of modes you wish to make contacts.

Tours of the La Crosse NWS will be given by the NWS staff.

The SKYWARN event is a friendly contest held between each participating NWS office. The object is for all amateur stations to exchange QSO information with as many NWS stations as possible. The exchange information is; Call sign, signal report, QTH, and a one or two word describing the weather at your location. Last year the La Crosse NWS made 283 contacts with 37 NWS stations. Our goal for this year is 400.



The Ohio/Penn DX PacketCluster

DX Bulletin No. 687

BID: \$OPDX.687

November 29, 2004

Editor Tedd Mirgliotta, KB8NW

Provided by BARF80.ORG (Cleveland, Ohio)

Thanks to the Northern Ohio Amateur Radio Society, Northern Ohio DX Association, Ohio/Penn PacketCluster Network, AB5K & the AR TelNet Clusters Network, K1XN & GoList, KF2HC, NG3K, W3UR & The Daily DX, K4VUD, N4AA & QRZ DX, N4BAA, KG6DX, W7DRA, K8YSE, K9NW, WD9DZV, CE6TBN, CO8TW, DL1EK & The DX News Letter, EA1KI, F5CWU & La Gazette du DX, F5NQL & UFT, I1JQJ/IK1ADH & 425 DX News, IZ8BGY, IZ8BRI, JH4RHF, JI6KVR & JA-IOTA Islands News, OH2BN and OK1JR/YB0AJR for the following DX information.

* PLEASE NOTE: The report "could" contain "Pirate/SLIM" operations or more likely a "BUSTED CALLSIGN". As always, you never know - "Work First Worry Later" (WFWL).

4U1VIC, VIENNA INTERNATIONAL CENTRE. Jun/JH4RHF and his DL friends will activate **4U1VIC** during the upcoming **CQWW DX CW Contest** as a Multi/Single entry. Station 4U1VIC is located in Vienna, Austria. PLEASE NOTE: Although 4U1VIC is a separate multiplier for the CQWW DX CW Contest (also, separate country for CQ DX and WAE awards), it is not a separate entity for DXCC purpose. All QSLs go to the CBA, or via the OE Bureau.

ANTARCTIC NEWS. Operator VU3BPZ will be leaving to go to **Maitri Base** for a second term on December 2nd and promises to be active from India's Antarctic Base (WAP IND-03). He is expected to reach Maitri Base on **December 22nd**. He is expected to check into the AIRNET on 14150 kHz every day at 1400z, and then he will try working DX on his own.

BV0, TAIWAN. Look for operators Robert/BV3FG, Bill/BV3BW, Kenichi/JP1RIW, Shigeyuki/JH0KHR and Tatsuhiko/JD1BKQ to be active as **BV0J** during the **CQ WW DX CW Contest (November 27-28th)** as a Multi/2TX entry. QSL via BW0IR, by the Bureau or direct.

CE0 ISLAND HELP NEEDED. Marco, CE6TBN, informs OPDX that he is gathering information of past expeditions and operations in Chilean islands, such as San Felix (CE0X), Easter Island (CE0Y), Juan Fernandez

(CE0Z) or any other island, from 1980 through now. This is to update his Web site. To help him update it, please

check out his Web page at: <http://www.qsl.net/ce6tbn/actv.html>

CE0Z, JUAN FERNANDEZ. Eliazar, **CE0ZIS**, will be on the air **next week** from here for about **10 days**. Activity will be on all bands. QSL via his "NEW ADDRESS" at: P.O.Box 157, Los Andes, Chile.

CO8, CUBA. Juan Carlos, **CO8TW**, will be active in the **CQWW DX CW Contest (November 27-28th)** as Single-Op/Single-Band (20m)/Low-Power entry. QSL is via IZ8CCW and the log will be available online at: <http://www.qsl.net/co8tw/>

CO8, CUBA. Eduardo, **CO8LY**, will be active in the **CQWW DX CW Contest (November 27-28th)** as Single-Op/Single-Band (15m)/Low-Power entry. QSL via EA7ADH.

KG4, GUANTANAMO BAY (Update). Operators Jose/N4BBA, Tip/N4SIA and two others will be heading down to KG4-land, **January 18-25th**. Callsigns will be **KG4SB** (QSL to N4BAA) and **KG4AS** (QSL to N4SIA). Two other callsigns will follow for the other operators. They will have up to three radios going at a time, and they will be concentrating on CW/RTTY/DIGITAL on all bands 160-6 meters. There are no amplifiers available at the club station as this was being written, so barefoot rigs will have to do the trick for now. The group is looking for a small 6 meter antenna to take down and possibly donate to the club station. If you have a point of contact or info, please E-mail Jose at: n4baa@arrl.net

KP2, U.S. VIRGIN ISLANDS. Ann/W2AZK and Brian/KF2HC will sign homecall/KP2 from the island of **St. Croix, USVI, January 7-14th**. Look for them on 160-6 meters SSB and CW with a special emphasis on the WARC bands as conditions permit. QSL to their home calls direct or via the bureau.

LIGHTHOUSE ACTIVITY. Members of the Union de Radioaficionados de Gijon (EA1URG) will be active from the **Faro de Cabo de Penas Lighthouse** (ARLHS SPA-037) on **December 18-19th**. The callsign will be **ED1PFA**. The operation will be under the authority of the "Autoridad Portuaria de Gijon". This is one of the most emblematic lighthouses in Spain, situated on the Cape of Penas, Asturias. Today it serves as a differential GPS navigation service station. They plan to show up on HF, VHF and UHF on all modes. Also, there will be PSK31 and RTTY. QSL via EA1URG; by the bureau is OK. More info will soon be available on their Web page at: <http://www.ure.es/ea1urg/>

PJ4, NETHERLANDS ANTILLES. Operators Jeff/KU8E, Mike/W9RE, Harold/N4GG and Mark/N5OT will be active from **Bonaire** between **February 15-22nd**. The team will be active as **PJ4R** for the **ARRL DX CW Contest (February 19-20th)** as a Multi-2 entry. QSL via

N4GG. For activity before and after the contest, the operators will sign PJ4/homecall.

PY0S/ZW0S, SAINT PETER AND SAINT PAUL ROCKS. Joca, PS7JN, will operate from here from **November 25th to December 10th**. The callsign is unknown as this was being typed. It may be **PY0S/PS7JN, ZW0S** or **PY0SA**. Jose states that the government will issue the callsign once the DXpedition begins. He intends to operate on all bands and modes in his spare time or during good propagation.

S9, SAO TOME AND PRINCIPE (Update/Change). Another press release was sent out by Jarmo, OH2BN, on November 23rd, which updated the OH team's activities: "The group at Sao Tome and Principe, S9 - OH2BH, OH2PM and OH2TA - has had a slow start on setting up because of a tropical storm, lightning and heavy rain. Also, low bands have been very noisy all along, but things may get better. Today they have managed to hoist StepperIR beams and a 160M antenna. Activity can be expected on additional high bands as well as on 160M tonight. Low band operating will turn to CW only as of Wednesday, and return to SSB only after the **CQWW CW Contest**. The operation will last another week, until December 3. Sao Tome may well become another DX location for this group as they observe propagation and local conditions. So far they have found everything friendly and workable. They have a large back-up generator, for example, on site. As another gesture from the local telecom administrators, the first 1x1 callsign was released for the upcoming contest: **S9A** will be activated as of 2359 UTC on Friday. QSL via OH2TA. The group is grateful to the licensing authority, Sr. Fernando J. Pasquete da Costa of CST, Sao Tome as well as to their local manager, Mark Davis of Marlin Beach Hotel of Sao Tome: <http://www.bom-bom.com>. The group has decided to put only one station into the CQWW contest for all bands, while the other station will be active on 10 MHz and 18 MHz during the contest period."

VU4, ANDAMAN ISLANDS (Update). Bharathi, VU2RBI, and her team will be leaving for Port Blair, South Andaman Island (IOTA **AS-001**), before December 3rd. Charles, K4VUD, reported this week that the VU4 DXpedition's budget is 20,000 USD. He has bank wire transfers of 2,000 USD (donations received so far) to Bharathi/NIAR. Charles also mentions a few items in his updates on the upcoming operation.

WH2, GUAM. Joel, KG6DX, informs OPDX that he will be active as **WH2A** in the **CQ WW DX CW Contest** as a Single-Op/Single-Band (15m) entry. Please QSL via KG6DX, CBA or QRZ.com address.

YE0, INDONESIA. Stan, YB0AJR (OK1JR), will be active as **YE0X** from **Jawa Island (OC-021)** during **CQ WW DX CW Contest** as a Single-Op/Single-Band (80m)/High-Power entry. He will be looking for EU, JA

and USA especially around his sunrise/sunset time (2300z/1100z). QSL via OK1JN (his dad).

ZK1, SOUTH COOK ISLANDS. Mike, W7DRA, informed the Topband/Contest community that he will be at Victor's house (ZK1CG/ZK1USA) for the **CQWW DX CW Contest** and possibly the **ARRL 160m Contest**. He will probably be using his TS930 and antenna farm. Mike states that for the intervening days, he will be at the edgewater or the Kii Kii cottages with his HW16 on the following frequencies: 1808, 1818, 1828, 1841, 3514, 3533, 3541 and 3560 kHz (or possibly other frequencies if he uses his VFO instead of his "ROCKS"). He will be on most nights from the **November 25th to December 6th**.

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FROM 1954 POPULAR MECHANICS MAGAZINE



Scientists from Rand Cooperation have created this model to illustrate how a "home computer" could look like in the year 2004. However the needed technology will not be economically feasible for the average home. Also scientists readily admit that the computer will require not yet invented technology to actually work, but 50 years from now scientific progress is expected to solve these problems. With teletype interface and the Fortran language, the computer will be easy to use.

(Thanks to Denny, N8UDL for submitting this article)

TAKE A LOOK AT THIS...

Heathkit HX-10 Marauder
Kenwood TS-430S w/PS-30 Power supply
Hallicrafters S-108
RS HTX-245 HT
GAP Titan Like New

For further information and PRICE on each individual piece please contact Jim WA8GXM, at 330-832-4179, after 5:00 PM.

DUES ARE DUE !!

Well yes it's hard to believe but another year has gone by and its time to pay the dues for the Massillon Amateur Radio Club for 2005. But don't worry, you have until March 4th 2005 to pay the dues.

Dues for a full membership is just \$ 10 per year, per member. Dues for the XYL is just \$ 5.00 per year and students of full time members is just \$ 2.50 each. Each will receive full privileges. Just think what membership buys you, it gives you membership in the "best radio club" in the area, representation to the ARRL (not membership in the ARRL), operating privileges of the club station, Hamfest, Field Day, Safety Breaks and other club activities.

There are two ways to pay the dues. First you can wait and pay at the banquet in January, this way you only have to write one check, pay for the meal and dues all at the same time! Or you can pay at the December or February of even March meeting OR just send a check to our Club Treasure Anne Ballinger at:

Anne Ballinger N8GAF
2468 Bellevue Ave SW
Massillon, Ohio 44647-7212

**DO IT TODAY ! REMEMBER WE DO NOT
WANT TO LOOSE AS SINGLE MEMBER !!!**

VE EXAMS NOVEMBER 27, 2004

The Massillon and Canton Amateur Radio Clubs held VE Exams on November 27th, the last exam for the year at the Emergency Operations Center. We had a total of five people show up to take exams, but the good news is that no one left the site without something! ALL passed at least one exam giving them a new license or upgrade ! This again gives us a 100% passing rate ! One fellow was from the South Carolina area. He passed his Tech test giving him a new Technician License. When he gets his new license, it will reflect his 4 call area residency.

Our own, MARC member, Roger Trompower KA8FTS, fighting the flu and feeling miserable, managed to pass passed his General Class exam. Congratulations Roger!

The schedule for next year will be announced at a later date and we will print the schedule in the January edition of Feedback. At this time we will announce that there will not be a November exam date for next year. More on this later....

73's de WC8W ed

FCC ENDS WC, WR, WK, AND WT CALLS...

(from the ARRL Letter, 8/6/04)

The FCC is no longer issuing certain 2x3 format vanity call signs. They have ceased issuing 2x3 - format Amateur Radio vanity call signs that begin with the prefixes WC, WR, WK, and WT (eg WR1AAA, WC4ZZZ). The commission erroneously granted more than 150 WR and WC - prefix 2x3 vanity call signs from 1997 through September 2003, after which it began rejecting such call sign requests. When the Universal Licensing System came along in August 1999, the FCC encountered some licensing system programming shortcoming, including the anomalous assignments of reserve WC and WR - prefix 2x3 call signs as acceptable formats. [That problem is now fixed.]



December 2004

W8NP Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																										
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<p>Hancock ARC, Greenfield, IN., www.w9atg.org</p> <p>L'Anse Creuse ARC, Mount Clemens, MI, www.n8lc.org</p>			BD KC8WTP	BD KB8FFC	West Stark Info Net - 147.180 at 8:00 PM	BD W8KXR																																																																																																										
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		<p>VE Test Session - Cuyahoga Falls ARC, Stow, OH, 1900, Ctc, Bruce Ferry, 330-929-2766</p>			BD K8HSQ	West Stark Info Net - 147.180 at 8:00 PM																																																																																																										
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26	27	28	29	30	31	<p>Future Dates to Remember:</p> <p>MARC Annual Banquet - Saturday, Jan. 8, 2005</p> <p>Tusco ARC Hamfest - Jan 23, 2005</p>																																																																																																										
	BD WB8KEO				New Year's Eve																																																																																																											
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Please contact K8INN for updates, changes, or additions.