



FEEDBACK



JULY 2004

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JULY MEETING

The meeting for the month of July will be held at the Massillon Senior Center on July 2, 2004 at 8:00 PM.

Field Day 2004 is now just a fond memory now so at the meeting we will begin to go over this year's Field Day to begin to make plans for next year. We will relive events of this year's mistakes and successes. As this is written, field day hasn't happened yet, so I cannot make comments as to what events has happened. This year we have had some terrific storms amd a lot of rain leading to a lot of flooding and destruction. I have personally suffered the loss of a roof and vinal siding due to hail storms. Getting things repaired and "fighting" with Insurance companies have occupied most of my free time. Hopefully, we will have perfect weather for Field Day, that remains to be seen.

This year we tried a few new things so we will be going over these changes to see how effective they worked. This will determine weather we will use them next year.

Also a report is to be made on the GOBA bicycle ride through this area during the week of June 19 - 26. Terry, N8ATZ is to coordinate the MARC operators for this area in conjunction with the Wayne County and Tuscarawas County ARC's. This is the biggest ride in the State, utilizing hundreds of Amateur Radio Operators throughout the State. To learn more about the ride and to view pictures of the event, go to www.goba.com.

Program Notice

There was no notice of a program for this months meeting announced. So the time for the program will be either an "eyeball" QSO with friends or a video. Either way it will be a "suprise" by Joe WD8BGW

-- SHORT SKIP --

On July 13th the former RCA ship to shore coastal station " KPH " will take to the airwaves once again at 0001Z hrs. GMT on 13 July, exactly 5 years and one minute after its last commerical transmission. The project is in honor of the men and women of the radio-telegraph profession on ships and costal stations. For more info check <http://www.radiomarine.org>

73 de WB80WM

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MARC MINUTES

June 4,2004

The Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 26 members and guests present.

MARC President Jim WA8GXM opened the meeting at 8:00 P.M. The Pledge Of Allegiance was given and a round of introductions was made. He then asked to suspend reading the May minutes. They were accepted as stated the FEEDBACK by Steve WD8MIJ and second by Byron KF8UN.

MARC Treasurer Anne N8GAF was absent so Jim WA8GXM gave the financial report. The Safety Break was less than in the past, due to unforeseen circumstances. This total however did include some supplies for the October 8,9,&10 th.. Safety Break.

MARC Vice Presiden, Joe WB8BGW gave the correspondence report. He gave a list of upcoming Hamfests and VE test sessions. Thank you goes to Ralph K8HSQ, MARC Librarian. A library inventory sheet which is posted in the Shack, is the current list of MARC articles.

OLD BUSINESS

Gary WC8W still has some wrong e-mail addresses. If you have changed yours please let him know.

Byron KF8UN gave the DX report. He also passed around some interesting QSL cards.

Terry N8ATZ said the GOBA ride will be Monday June 21st. He will need volunteers to help cover busy intersections to help with their safety. He also needs help with the HOF Kickoff Parade Sunday Aug.1 and the Grand Parade Saturday Aug.7th. If you can help, please contact him.

Dan N8DZM reminded everyone to bring a covered dish for Field Day June26th. at Petros Park. We will be dining at 6:00 P.M. Dan will coordinate a "Field Day Project" which will consist of a ladder line J-pole antenna for 2 meter and 440 meters. The project will start around at 4:00 P.M. You will need to bring a small length of coax and your connectors.

Jim WA8GXM reminded anyone that can help set up to be at Petros Park at 9:00 A.M. Field Day Pins will be ordered again this year, if anyone wants one, see Anne N8GAF. Again this year they are only \$5.00 each.

NEW BUSINESS

Gary KC8IHR suggested we purchase a new head set for Field Day logging. Motion was made by Rich KA8ZQH and second by Byron KF8UN, a vote was taken and passed.

Newly licence Helen KC8ZWG will be doing the publicity for Field Day.

Don't forget what Field Day is all about. It is a good way to practice for any unforeseen upcoming emergencies.

MARC's guest speaker had to cancel so Joe WD8BGW showed a video, Amateur Radio Today, for the evening program.

Byron KF8UN thanked everyone for their kindness to Sandy K8FUN when her husband passed away.

Gary WC8W gave his VE test session report. The next test session will be in August (28th) here at the Senior Center.

Congratulations goes to Helen Trompower KC8ZWC and Dennis Philippi KC8ZWH for passing their Tech. exam. Congratulations goes to Gary KC8IHR for winning the 50-50 for \$14.00.

Minutes by Linda K8MOO
Secretary MARC

... Another Dayton Hamvention In The Books ...

When I first got my amateur license more than 20 years ago my first thought was to subscribe to some amateur magazines. This was the way to learn about the hobby I thought. After looking over the choices available I ended up with QST and a nice little easy to read magazine called Ham Radio Horizons. There were several other available at that time with 73, Ham Radio, CQ being the most popular.

As the years passed I would drop one only to subscribe to another until I grew tired of that one and start the process all over again. At one time or another I've subscribed to every ham magazine out there including some dedicated to specialty modes like RTTY and ATV.

As one might expect I started to keep the ones I liked the best which turned out to be nearly all of them. I can still remember my Mother's concern over all the magazines I used to keep in her attic. "I bet one of these days I'll wake up buried in magazines!" she used to say. I never had lots of expensive equipment but I always had the right issue that talked or reviewed the latest in radio transceivers. I figured even if I couldn't afford it at least I wanted to sound like I knew all about its features. Hey, you needed something to talk about on those long cold weekends spent gabbing on the radio.

As I moved over the years I would usually take some of them with me. Regrettably during these moves I ended up losing some and throwing some away. Never fear, after a trip to the next hamfest I could usually replenish my lost issues along with a few new ones.

With the introduction of computers into the ham shack and internet sites you had an almost limitless library of ham radio knowledge available. Some years later magazine publishers began making CD ROMs available that included years worth of issues on a single CD. What was to become of actual magazines ?

Through it all I continued to add to my collection for reasons only I understand. There's something special about old amateur magazines that has it all over fancy computer based browsing. The look, the smell, the feel and yes even the sound generated by turning the pages. It's the anticipation of the next add or the next interesting story. It's an activity that can be done using only a dimly lit hamshack, no fancy computer with an always on internet connection necessary here. Even today I still open up my early Ham Radio Horizons to relive my early day's in the hobby.

Just a short time ago I was forced to throw away much of my beloved collection. They had been stored in my sister's garage for much of the past five years and a combination of water, humidity, insects and rodents had made Swiss cheese out of most of them. I did manage to salvage some of my 73's

especially the issues from back in the 1970's which were chock full of equipment reviews and great build it projects. When club Librarian Ralph Bugg gets caught up and if space is available I would like for them to find a new home in our club library.

Yes, I've enjoyed my years of collecting amateur magazines, they've been a part of my hobby as long as I've been licensed and helped shape my experiences along the way.

While I wouldn't recommend magazine collecting to anyone anymore, I would encourage you to take a few minutes the next time you're in our hamshack to look over our collection. It's a great way to relive the golden day's of Ham Radio !

.... Hall of Fame Events Growing Near

...

As we enter the summer season Stark County ARES is preparing for the annual Pro Football Hall of Fame Festival which will take place this year from Sunday, August 1st through Saturday, August 7th.

The two major events that require amateur radio participation are the Community Kickoff Parade which is on Sunday afternoon at 2:30 PM August 1 followed by the Hoover Grand Parade on Saturday morning August 7th. Approximately 10 volunteers are needed for the Community Parade and 30 volunteers for the Grand Parade.

Communications Coordinator for the Community Parade is Terry Russ - N8ATZ, Phone (330) 837 - 3091 and David Beltz - WD8AYE (330) 875 - 1505 for the Grand Parade.

The Volunteer Appreciation Party for those assisting with the parades will be held on Friday, July 23rd at the Canton Civic Center. RSVP is required to attend. The volunteer is admitted free. You may bring a guest, this will cost \$ 10.00. You must contact Dave or Terry in advance if you plan on attending the Appreciation Party !

Hall of Fame week here in Stark County is a major community event and provides a great opportunity for Amateur Radio Community Service. This one week provides greater exposure to the public than all other events combined. We need your help to make these events a success, contact either Dave or Terry to add your name to our volunteer list !

.. Radio Programmers From RT Systems ..

Today's line of multi-featured handhelds, mobile and low band radios are more complex than ever before, filled with literally dozens of features and hundreds of memories for your use.

With users manuals that look more like dictionaries, you could spend a lot of time just learning how to program these complex communications transceivers, let alone learning how to use them !

RT Systems is currently helping make the programming a lot easier by developing software for programming various manufacturers radios especially Yeasu products.

They initially developed radio computer programming for a few early Yeasu handhelds and mobiles. Their latest products include programmers for the Yeasu VX-7R, VX-2, FT-8900, FT-8800 and the FT-7800. They also have products for the FT-857 and FT-897 radios.

These programmers let you program your radio quickly and easily right out of the box. The Windows based programming software allows you to easily manage several files at once for all those different events in which your radio is used.

An interface cable is necessary between the computer serial port and the radio's Mic jack. The new programmers are compatible with Windows versions 98 through XP and are now distributed on CD for convenient installation. I have used their software for my new Yeasu VX-7R and I really like it. I have several files created that allows me to quickly load in various repeaters/public service frequencies to suit my needs while I travel.

RT Systems has also developed programmers for ICOM, Alinco and ADI Radios. I will have my equipment available at Field Day if you would like to program your radio or see a demonstration. Check out their website for additional information. It's at <http://www.cloningsoftware.com>.

That's it for this month; see you at the club meeting!
Terry – N8ATZ

Pre-HOF Parade, can anyone reconize when & where this picture is taken? Give answers at the meeting!



ARRL NEWS

ZCZC AG10
QST de W1AW
ARRL Bulletin 10 ARLB010
From ARRL Headquarters
Newington CT April 12, 2004
To all radio amateurs

SB QST ARL ARLB010
ARLB010 FCC to Stop Accepting Pre-December 2003 Form 605

Effective with Monday, May 3, receipts, the FCC's Wireless Telecommunications Bureau will dismiss any applications filed on an FCC Form 605 issued earlier than December 2003. Form 605, Quick-Form Application for Authorization in the Ship, Aircraft, Amateur, Restricted and Commercial Operator, and General Mobile Radio Service, is the hard-copy version of the Amateur Service application. The change does not affect applicants filing on-line with the Universal Licensing System (ULS) at, <http://wireless.fcc.gov/uls/>, said the FCC, which is encouraging on-line filing

ARRL VEC Manager Bart Jahnke, W9JJ, says the Form 605 announcement will affect the way ARRL has been making FCC Form 605 available. He says the League's widely distributed March 2001 Form 605 in a three-sheet ivory/buff-colored package with perforated pages will become obsolete for applications the FCC receives on or after May 3.

In the wake of the FCC's unexpected announcement, the ARRL is developing a replacement package that could require several more pages. It hopes to have it ready in time for Hamvention May 14-16.

The FCC has been accepting both older and current Form 605 applications that included a line (Item 9a) for a Taxpayer Identification Number, a Social Security number for an individual. The FCC would then issue the applicant an FCC Registration Number (FRN) without additional paperwork. All amateur applicants must have and use an FRN when filing an application such as Form 605 with the FCC. Applicants attending VEC test sessions can still supply a Social Security number, which will result in automatic Commission Registration System (CORES) registration.

All amateur applicants must have and use an FRN when filing an application such as Form 605 with the FCC. Under the system going into effect in May, applicants not yet registered in CORES and filing on paper will need to file FCC Form 160, CORES Registration to obtain a FCC Registration Number (FRN). After the FCC has issued an FRN, applicants also might want to file FCC Form 606 to associate the FRN with an individual's license record(s) and call sign(s). CORES registration data and FCC license data are maintained in separate FCC databases.

The completed Form 160 goes to a unique Washington, DC, FCC address to obtain the applicant's FRN. Once the FCC issues an FRN to the applicant, this number must be used when filing FCC Form 605, which goes to the FCC's Gettysburg, Pennsylvania, office. The two forms may not be mailed to Gettysburg together. Applicants need to have obtained an FRN via Form 160 before they can file a Form 605.

ARRL recommends that all amateurs file an on-line or paper Form 606 to associate their FRN with their license record(s) and call sign(s) in the FCC license database. Jahnke says the easiest way is to do this electronically via the ULS, and the process now is fairly straightforward.

The current edition of Form 605, dated December 2003, is available on the FCC forms page, <http://wireless.fcc.gov/feesforms/index.html>.

For more information or assistance, contact the FCC Consumer Center, toll-free, 888-CALLFCC (888-225-5322) and select option 2, or via e-mail at fccmd@fcc.gov.
NNNN
/EX

SOME COMING RULES CHANGES...

(from ARRL Bulletin 15 ARLB015 May 7, 2004)

Minor FCC amateur rule changes effective June 1, 2004. The FCC says minor amendments to various Amateur Radio rules become effective June 1. The regulatory changes, which the FCC made on its own motion rather than in reaction to any petitions, appeared May 5 in the Federal Register. "This document makes minor amendments to various rule sections to clarify or eliminate duplicative language or conform them with other rule sections," the FCC said.

Among other changes, the most significant involved revising the wording of Section 97.307(d), which defines spurious emissions. The updated language imposes a slightly higher standard on newer transmitters or amplifiers of any power level. Starting June 1, the rule will provide that: * the mean power of any spurious emission from HF transmitters or external RF power amplifiers installed after January 1, 2003, must be at least 43 dB below the mean power of the fundamental emission. * the mean power of any spurious emission from HF transmitters or external RF power amplifiers installed on or before January 1, 2003, must not exceed 50 mW and must be at least 40 dB below the mean power of the fundamental emission. If the mean power output of such as transmitter is less than 5 W, the attenuation must be at least 30 dB.

Still exempt from the provisions of Section 97.307(d) are transmitters built before April 15, 1977, or those first

marketed before January 1, 1978. The FCC also has redefined what constitutes an Amateur Radio operator to reflect the advent of the Universal

Licensing System (ULS) electronic licensee database. Under the revised Section 97.3(a)(1) an amateur operator is "**a person named in an amateur operator/primary license station grant on the ULS consolidated licensee database to be the control operator of an amateur station.**" The current rule defines an amateur operator as "a person holding a written authorization to be the control operator of an amateur station."

The Commission ordered the rule changes within the context of a larger, wide-ranging Notice of Proposed Rule Making (NPRM) in WT Docket 04-140. That NPRM addresses several Amateur Radio-related petitions and proposes revisions to operating privileges. The FCC continues to seek comments on these proposals. Comments are due by Tuesday, June 15, and reply comments by Wednesday, June 30. Among other changes, the FCC has recommended adopting the ARRL's "Novice re-farming" plan.

DX NEWS

The Ohio/Penn DX PacketCluster DX Bulletin No. 665

BID: \$OPDX.665 June 21, 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, AD1C, K1XN & GoList, NG3K, W3UR & The Daily DX, N4AA & QRZ DX, W4WX, WA4AA, WA4PGM, W4VQ, KH6BZF, K8YSE, CT1END, DL1EK & The DX News Letter, DL5MO, EA8CAC, F5CWU & La Gazette du DX, F5NQL & UFT, I1JQJ/IK1ADH & 425 DX News, IK4RUX, JI6KVR & JA-IOTA Islands News, JJ1BDX, LZ1PJ, PA7FM, SM0DTK, UA0MF, UT3UZ, VA3RJ & ICPO, YT1HA and Z36W for the following DX information.

EDITOR'S COMMENTS: Looks like DXing is on a summer decline. There were 200 DXCC entities reported this past week, and 212 and 215 the weeks before. Interesting, will it hit below 200 next week?

3Y0, PETER I ISLAND. It seems everything is a go for Peter I. Activity will take place in **January 2005** according to their Web page at: <http://www.peterone.com> "The Daily DX" reports that the team has found new transportation to the island - a newly refurbished icebreaker formally in service of the Chilean Navy (no name provided). Just a reminder that this operation is a very expensive undertaking, and the team is looking for additional financial support and sponsors.

More details on the upcoming DXpedition can be found on the Web page listed above.

4W, TIMOR LESTE. Peter, **4W3CW**, was heard this past weekend on on 20/15/10 meters CW. Activity was between 0100-1500z. QSL via 4W3CW (QRZ.com).

CE0, EASTER ISLAND. Scott, AC3A, is expected to be active **until June 24th** as **CE0/AC3A**. He does plan to concentrate on 6 meters if the band cooperates. However, Scott will also be on HF during his evenings. QSL via his home callsign (QRZ.com).

KH0, NORTHERN MARIANAS (Update). Jim, **KG8RP/KH0**, Nao, **NA80/KH0**, Yutaka, **KH0/JQ2GYU**, Koko, **KH0/JM1MAC** and Tomi, **WH6CZC/KH0**, will be active from **Saipan**, from **July 9-12th**. The operation will be on 40-6 meters including the WARC bands, but no 6m EME. Yutaka states, "We are planing to bring a 4-element Yagi for 6m band, 2-element HB9CV for 20/15/10m bands, a Zepp for 30m band, and an ATU + Long Wire for 160/80/75/40/17/12m bands with several barefoot radios, such as FT-897D, TS-480SAT, and so on." QSL info is as follows: KG8RP/KH0 via 7K4QOK, NA80/KH0 via JK1FNL, KH0/JQ2GYU via JQ2GYU, KH0/JM1MAC via JM1MAC, and WH6CZC/KH0 via JF1UMK. QSL all direct or via the JARL bureau. Please do not send the QSLs to the U.S. QSL bureaus.

LIGHTHOUSE ACTIVITY. A team consisting of Dima/RA0LQ, Oleg/RW0LL and Mike/UA0MF are preparing to visit **Askold Island's Lighthouse** (AS-066, LH-2159, RDA:PK-39) and operate as **UE0LLH** from **July 2-5th**. They will participate in the **WLH Contest** operating barefoot and a R7 antenna. They will be looking for ARLS and RRC/RLH numbers. More exact details and QSL info will be announced at the end of June.

MIA CONTEST. The Mediterraneo DX Club (MDXC), organizer Mediterranean Islands Contest, would like to invite Contester/DXers to join in on the contest which takes place from 1200z, **September 18th** to 1200z, **September 19th**. The complete set of rules can be found on the MDXC's Web page at: <http://www.mdxc.org/contestmia/rules.htm>

OH0, ALAND ISLAND. Operators OH3BHL, OH6JHU, OH6XX, OH8GCW and OH9MM will be active as **OH0I** during the **CQ/RJ DX RTTY Contest (September 25-26th)** as a Multi/2 entry. QSL via OH3BHL. They plan on using multiple beams and vertical arrays on the low bands.

P3, CYPRUS. Skobelkin, RA3AMG, will be active as **P3B** in the **CQ/RJ DX RTTY Contest (September 25-26th)**. QSL via his home callsign.

QSL INFO AND NEWS.....

SPECIAL EVENT. Look for the special event station **ED8ERC** to be aired between **July 3-10th** to celebrate the **2nd Canarias HamRadio Meeting (II Encuentro de Radioaficionados de Canarias)**. Activity will be on all HF bands SSB/CW, possibly PSK/RTTY and one APRS station on air. QSL via the info on QRZ.com. The special station will be operated by EA8ZS, the Gran Canaria DX Group members and others EA8 operators.

SPECIAL EVENT. To celebrate the **Formule 1 French Grand Prix** in Magny-Cours, a group will be signing **TM0GP** from **June 20th to July 4th**. Activity will be on 80-10 meters as well as 2 meters on the modes of CW/RTTY/PSK31/SSB. QSL to F5KCH via the bureau.

ST, SUDAN. OPDX was informed by Dennis, PA7M, that Michael, **ST2DX**, will be leaving the country on Saturday the **10th of July**. So his last day of activity prbably will be on the 9th. The 10 element log-periodic antenna does a real good job from 30m through 6m. There is also a long wire for 40-160m, but daytime operation on those bands is of no use off course. Problems with his keyer forces him to do more SSB then CW. But he'll try again when it's possible. It's difficult to work stateside during daytime, while during nighttime there's no time to operate because the normal work days are from 6.30 a.m till 6.30 p.m. (but most of the times this is even longer). However, Michael will keep on trying - also on the longpath. The online log and also real audio of the recent 6m openings can be found on the following We page at: <http://www.pa7fm.nl> Anyway, Michael has been heard over the past week on 30/17/10 meters. Watch around 10106, 28465 (+/- 30 kHz) and 18153 kHz between 1300-1900z. QSL to PA7FN (direct cards from outside EU with 2 USD or 1 IRC).

TK, CORSICA. Operators OK1FKL, OK1PGS, OK1JFH, OK1TIC and OK1MCS (not sure yet) will be here between **June 24th and July 5th**. The group of Czech hams will be active from the northeast part of Corsica called **Cap Corse** (GRID LOC JN42QX, about 600m ASL). Details on the operation and their QTH position can be found on the Web site at: <http://www.qsl.net/ok1ofm/> Their main activity will be to focus on the July VHF/UHF Contest using the callsign **TK/OK5DX/p**. They will also be active (not during the contest) on HF with a FT100D and vertical antenna. There will NOT be any 6 meters operations. 50 MHz is prohibited in TK. The group will use the following during the contest:

144 MHz: PA 750W out, ANT
2x11 element Yagi ZACH ZZ 211

432 MHz: PA 130W out, ANT
20 element Yagi

Skeds can be made until the
evening of June 22nd via E-mail at:
ok1mcs@seznam.cz

or-
 via PR, during their holidays
 in Corsica SMS:
 +420 603 703 722 (OK1MCS) or
 +420 603 269 296 (OK1FKL)

USI NEWS (UNITED STATES ISLAND AWARD).

Members of the Roanoke Valley Amateur Radio Club (RVARC), W4CA, will activate **Christmas Tree Island** (USI VA-New). This is a new island for the USI, and it is located on **Smith Mountain Lake** in **Virginia**. Activity will be on 80, 40 and 20 meters starting 1100z, **August 28th** and ending 2300z, **August 29th**. Look for the station on or about 14270, 7270 and 3860 kHz. QSL via CBA for a nice color QSL card from the RVARC.

V44, ST. KITTS AND NEVIS (Special Activity/Event).

Andrei, EW1AR, will be active as **NC2N/V44, July 5-12th**, from the island of **Nevis** (IOTA NA-104). Activity will be on all bands - RTTY, CW and SSB including participation in the **HF IARU Contest**. QSL via W3HMK. SPECIAL NOTES: Do NOT send QSL via EW1AR please, this will delay QSL confirmation. Andrei states, "I devote this DXpedition to the 60th anniversary of the Liberation of my home country BELARUS from the fascists occupants on 3rd of July, 1944. I will transmit as NC2N/VICTORY-44 (on SSB). Special Awards will be issued to those hams who make SIX or more QSOs/SWLs on different Bands/Modes. (Applications and shipping fees of 2 USD should be sent direct to NC2N). For those who made Eight or more contacts, no fee required. The Three Special Prizes will be sent for free for those five hams who make most of the QSOs on different Bands/Modes.....73s Andrei NC2N/EW1AR (ex NP3D)"

VK9C, COCOS-KEELING ISLAND. Bernd, VK2AI, has announced that he will be active as **VK9AA** in the **CQ WW DX SSB Contest (October 30-31st)** as a Single-Op/All-Band entry. QSL via DL8YR. He will also be active in the **CQWW DX CW Contest (November 27-28th)** (See OPDX.648 for details.).

VP5, TURKS AND CAICOS ISLANDS. Dave, AH6HY, will be going back to VP5 in the fall on another scuba diving trip. So, look for him to sign **VP5/AH6HY** from **Salt Cay, Turks Island (NA-003), September 23rd to October 2nd**. Activity will be on 20-10 meters SSB only. QSL to AH6HY direct or via the bureau. His Web page can be found at: <http://www.qsl.net/ah6hy/>

VP9, BERMUDA. Kyle, WA4PGM, will be active from Bermuda (**NA-005, FM72**) as **VP9/WA4PGM** from **July 9-19th** for the upcoming **IARU and NAQP RTTY Contest**. Activity is planned for CW, SSB, RTTY, 160-6 meters and maybe 2 meters. QSL direct to: P.O. Box only, please do NOT use street address.

WANTED: Retired Military for DXPeditions. Bill, W4WX, is looking for some individuals that are retired from the Military living near the Jacksonville, FL, area that might want to go on some "Space A DXPeditions". If you are retired and willing to make some trips, Bill wants to talk you about it. E-mail him at: w4wx@bellsouth.net He is only interested in locals within a couple of hundred miles so they would be able to meet and chat.

ZK1, SOUTH COOK ISLANDS. Victor, **ZK1CG**, has been active on **160 meters** the last couple of weeks. He states that since his roommate Dr. Elisabeth is on an around the world trip until the first part of July, he will try and listen and call every night on the sked times (using the following schedule below). Here are the times Victor will try to be on 160 meters and 40 meters:

- 0415-0425z 1845.00 +/- QRM SSB
- 0425-0430z 1825.50 +/- QRM CW Send CW slow and Clear
- 0430-0440z 7160 to 7170 +/- QRM SSB Seems to be a radio station on 7160 at this time
- 0915-0925z 1845.00 +/- QRM SSB
- 0925-0930z 1825.50 +/- QRM CW Send CW slow and Clear
- 0930-0940z 7160.00 +/- QRM SSB

Please note that Victor may be delayed going to 40 meters if he is working stations on 160 meters.

ALSO VISIT THE NORTHERN OHIO DX
 ASSOCIATION'S WEB HOME PAGE:
[http://www.en.com/users/k8yse/
 nodxa.html](http://www.en.com/users/k8yse/nodxa.html)

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 1-419-828-7791 (F
 A X only!)

STORY OF THE METER...

(partly as told in *The Measure of All Things* by Ken Alder)

Most of us, being in the hobby of using radio frequency bands measured in meters, know what a meter is, correct? That's 39.37 inches of course. Well, it turns out that having a definition of a meter is kind of relative. It could have been 42 inches or 31.4159236.. inches (you know, 10 times PI) or whatever. The French decided to define it at one ten-millionth of the distance from the earth's equator to the earth's north geographic pole. You know, the north pole is that place where a polar bear could walk 3 meters, take a 90 degree right turn, walk 3 meters, take another 90 degree right turn, and after walking another 3 meters be right back where he started from. The French actually made the measurements to define the meter using the finest available instrumentation at the time, and were still slightly off the mark. But once the meter was defined, then a cube of water at room temperature, one hundredth of a meter on a side, would define a gram. One thousand of those is a kilogram, and also defines a liter of water. And with the kilogram, meter, and the measurement of a second of time (still based on units of 60 rather than 100) the 19th century scientists began to standardize how everything was measured. That enabled new discoveries in physics, the definitions of electric units and charges, the discovery of the particles of the atom, $e=mc^2$, and the whole lot that makes up the background of the modern technical world.

In 1792, during the era of the French Revolution, Jean-Baptiste Delambre (del-OMB-ra - like bomb without the b) and Pierre-Francois-Andre Mechain (mesh-EH) set out from Paris, one north to Dunkirk and one south to Barcelona, to survey the land and affix the length of the meter. Their story is definitely not like you might have heard in grade school history. They had death threats, were arrested, dealt with superstitious peasants, and even one endured a guilt trip.

You see, Mechain made a small error in his calculations and covered up his mistake. The guilt drove him to madness and suicide. In the late 1700's France, there were over 800 measurement systems with no less than 250,000 different units of measurement! By defining the meter, the French were going to beat the system and come up with one system for all time. Interestingly, it appears that after all that trouble, the French failed to take advantage of their new system in its entirety until less than 100 years ago. But most scientists embraced the system and began to settle once and for all the values of physical constants. Now we have volts, amperes, ohms, farads, henrys, newtons, oersteds, curie, and gauss (and more) constants named in honor of the some of the greatest minds the world has known, all based on kilograms, meters, and seconds. – de AF8C

(From Westpark Radio Ops. June/July 2004 issue)

INVENTOR OF HALOGEN LAMP DIES AT 79

Edward G. Zubler, a General electric Company research chemist who developed the halogen lamp in 1975, died on March 20, 2004, at age 79.

He began experimenting with halogen technology lighting upon joining the company's lighting research laboratory, in 1953. He was assigned to the project and told 'see what's going on, see what it takes to make it work; The Smithsonian Institution lists his work among 20th century inventions.

By adding halogen gas, Zuhler improved on standard incandescent bulbs, which include a filament made up of a chemical called tungsten. In an incandescent light bulb, a chemical reaction with the tungsten causes deposits to form inside and affect how much light could shine through. Halogen eliminates the particles, recycles the tungsten deposits and made for a longer lasting light bulb. Halogen lamps are used in automotive headlamps, floodlights and stage and studio lighting. He earned amny patents and awards for his work in advanced lighting technology.

GE honored him in 1973 for his contributions to the scieence and technology of haolgen lamps. Frederick Mosby later joined with Zuhler on the halogen project. (via fox8cleveland.com)

(rewritten from QRM Newsletter, June 2004 Issue)

IN MEMORIAM

It is with great sadness we announce the passing of Greg G. Childs, KC8HRW on June 9th, 2004. Greg is the brother of Massillon Amateur Radio Club member Steve Childs, W8SEC. Greg resided in Cambridge, Ohio. Steve and his brother used to converse almost daily on the 147.18 MHz repeater. This is how many members of the Massillon Amateur Radio Club became familiar with Greg and Steve.

I am sorry but there is no other information about Greg available at this time. If more becomes available I will reprint the notice in the Feedback, with the family's permission.

Our condolences goes to Steve and his family.

July 2004

Monthly Planner

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Please contact KA8ZQH to add,delete or change Calendar