



FEEDBACK



SEPTEMBER 2003

VOLUME 48

NUMBER 9

SEPTEMBER MEETING

The meeting for the month of September will be held at the Massillon Senior Center in downtown Massillon on September 5th, 2003 at 8:00 PM.

Our club Treasurer, Anne N8GAF, will give a full report on our one and only Safety Break of the year. By all indications we did very well but the final tally is yet to be finished. She should have the final results by meeting night. There were a million stories from this year's event from the stormy weather to very hot and steamy days. The crowds were good and we passed out a lot of coffee and cokes along with an ample supply of doughnuts, cookies and other goodies. We want to thank Byron and Sandy for the fine pictures of the Safety Break (below) and from their "DX-Pedition" to Tappan Lake Island (pictures & story on page 8).

Also at the meeting we will be discussing the upcoming MARC Hamfest 2003, which is scheduled for October 26th 2003 at the Stark County Fairgrounds. We must begin to form the necessary Committees and begin to finalize plans. Our President, Rich KA8ZQH, will ask for volunteers. We want to make this year the best one yet! So See you at the meeting!



Pictured at the Safety Break are (L-R) Don, W8DEF, and Perry, W8AU.

--- SHORT SKIP -

OK Bunkey ! You read the QST articles concerning modifying your rig for operation on the new 5 Mc. band. GREAT! So now you say you're ready for surgery, but can't find your owners manual. Your best bet is to check with "Manual Man" at <http://www.manualman.com>. Whew! Elmer's have to be like a successful doctor - have lotsa patients.....

73, WB8OWM

Contents

| | |
|--------|--------------------------------|
| page 2 | Secretary's Report |
| page 3 | N8ATZ Column |
| page 4 | Short Articles - Jason, KC8LIN |
| page 7 | Articles, Section Mgr., K8QOE |
| page 7 | Great Lakes Dir. K8JE |
| page 8 | Mini DxPed - KF8UN & KC8WTP |
| page 9 | Calendar by KA8ZQH |

MARC MINUTES

August 1,2003

The August Massillon Amateur Radio Club meeting was held at the Massillon Senior Center with 32 members and guest present.

MARC President Rich KA8ZQH opened the meeting at 8:00 P.M. The Pledge of Allegiance was given and a round of introductions was made.

Jim Weaver K8JE, the ARRL Great Lakes Director was the guest speaker. He explained what the ARRL is all about. A question and answer period followed.

Rich KA8ZQH then asked to suspend reading the July minutes. They were accepted as stated in the FEEDBACK by Tim WB8HHP and second by Don W8DEA.

MARC Treasurer Anne N8GAF gave the financial report. A motion was made to accept this report by Don W8DEF and second by Gene W8KXR.

Vice President Jim WA8GXM gave the correspondence report. He said the VE session will be August 30th. here at the Senior Center. Come early to get registered. Testing will start at 9:00 A.M. He also announced the Warren Hamfest will be August 17th.

OLD BUSINESS

The MARC Safety Break will be August 8,9,&10 in the north bound lane of Rt.77. Volunteers are still needed for the midnight shift on Saturday. Please see Jim WA8GXM.

Gary WC8W gave the Field Day scores. The results will be put on file up in the Shack.

NEW BUSINESS

Terry N8ATZ talked about the Hall OF Fame Parade. He also gave an ARES report With the flooding in Stark County, Dave WD8AYE,, Terry N8ATZ, and Jim WA8GXM have been very busy. Check out the ARES web site to keep up on the latest information.

Dan N8DZM said the fox hunt will be Saturday August 9. Again everyone is to meet at the Senior Center.

Hamfest prizes were discussed. The committee will make the announcement next month as to what they will be.

Congratulations goes to Bill KC8WVG for winning the 50-50 for \$15.00. Also congratulations goes to Gary KC8IHR for winning the book Hints and Kinks.

Minutes by Linda K8MOO
Secretary MARC

..... WHAT A GREAT VACATION

As I begin this month's column, I'm sitting on the 4th floor balcony overlooking a beautiful cavernous completely enclosed environmentally controlled atrium adorned with over 200 varieties of flowers and live trees. Inside this nearly 100,000 square foot Shangri La is a quarter mile long river complete with ten waterfalls some of which are over 50 feet high. Various restaurants are also inside this structure covering a dozen different types of cuisine as well as a few gift shops. The perimeter of this place is also decorated with numerous flora and fauna to accompany a thousand other balconies just like the one I'm resting on.

So where am I? Some of you may think dreaming but I assure you it is very real. The place I'm describing is called the birthplace of Country Music - Nashville, Tennessee. The Opryland Hotel and Convention Center to be exact and if it isn't one of the Seven Wonders of the World, it should be. It's an absolutely magnificent place to visit, albeit expensive but the word Vacation has always meant Mucho Dinero - Much Money!

Almost all the hotel rooms face inside overlooking three massive dome-like structures that are an awesome sight. Nashville is the home of the world famous Grand Ole Opry Performing Arts Center and the General Jackson; an authentic 600 passenger 3 deck paddle wheel showboat that is also a must see attraction.

I actually started this month's column with the intention of noting the two meter activity here in the heart of country music. But if you've never been to this part of the country before, start saving your spare change because I absolutely guarantee that your wife or girlfriend or both will be thrilled to visit here and will forget all about the new amateur radio or junk you've acquired over the last year's hamfests.

Yes, VHF activity is alive and well down here with about a dozen open and active repeaters on both 2 meters and 440 at your disposal as you travel through the area. And thanks to the advent of repeaters with DVRs (Digital Voice Recorders), nearly each one has been given a personality of its own. My personal favorite is the 146.64 machine in Nashville that greets visitors with the voice of the King - Elvis that is. Who greets visitors with weather forecasts, road conditions and lists other open repeaters in the area. Who said Elvis doesn't live on! Other systems also have been given similar status each with its own country theme. Unlike here in Northeastern Ohio where repeater coverage is somewhat limited, many of the Nashville systems are located on the 6,000 foot tall mountain ranges that surround central Tennessee. Any you'll be happy to know that the Amateurs Code is alive and well here in the south. I only needed to make one call on one of the systems to help with directions when my AAA generated travel directions led me slightly astray. Yes,

Hams are the same wherever you go, always willing to help a fellow traveler get back on course.

This was the last stop on my week's vacation, one that began with a return trip to another place I highly recommend - The Ten Tec Factory in Sevierville, TN. A short wrap up on that visit is below.

I took a few pictures of my trip, both from Ten Tec and Nashville. Catch me at the club meeting if you would like to see them. They're turning down the atrium lighting now that it's getting late and it's time to call it a day. What a great vacation Lynnette and I've had but it has come to an end. Elvis has left the building and tomorrow so must I. So long from the home of Country Music.

..... MY DAY AT TEN TEC



During my recent vacation I again had the opportunity to visit Ten-Tec, the last American manufacturer of Amateur Radio equipment. One of the friendliest places you'll ever visit, from the minute you step in the lobby you will feel right at home. And if you are in the mood to operate, their guest radio room, although not exceptional, always has a selection of their finest current equipment set up and ready.

The folks at Ten-Tec are always eager to show off the place and were glad to give me a short tour of the factory. Jack Burchfield, K4JU, the current company President conducted our tour which included the many segments of company operation including engineering & design as well as their in-house printed circuit board manufacturing, plastics molding, sheet metal fabrication & finishing and electronic assembly & testing. All this as well as the ability to produce their own tooling in a well equipped tool and die shop. They are literally able to completely fabricate their radio equipment start to finish all in house. Only a handful of very specialized components are purchased from outside sources.

They are currently working on building up the new Argonaut V, a return of the legendary QRP transceiver. The current model sports IF-DSP and runs 20 watts. They will again be hosting their 4th Annual Ten-Tec Homecoming Hamfest this year on Friday & Saturday, October 3-4. Events include factory tours, discounts on new & used equipment, on-air demonstrations of their newest equipment, door prizes, technical forums and of course a growing flea market in the parking lot. I visited this event about two years ago and it was a blast. I highly recommend it if you can get away this fall. Anybody up for a road trip!

Jack is very familiar with our club as we have been a strong supporter of Ten-Tec equipment at many of our previous club hamfests and we are considering the new

Argonaut as a main prize for this years event. Jack has promised to provide us with a newly available video they offer that talks about Ten-Tec and includes clips from factory tours. This should make a great future club program.

Always with camera in hand, I took a few pictures of both the lobby and the factory during my visit. Visit the clubs website for a link to the pictures. Want to learn more about Ten-Tec ? Check out their website at www.tentec.com. Details of their fall hamfest are at www.tentec.com/03hamfest.htm.

73s till next time
Terry - N8ATZ

NEWS FROM ARRL

Roy Neal, K6DUE, SK

Retired NBC News science correspondent, producer and executive Roy Neal, K6DUE, of High Point, North Carolina, died August 15, after undergoing major heart surgery three days earlier. He was 82 years old.

He was a news expert in spaceflight and science, Mr. Neal—born Roy N. Hinkel, was a news corespondent the early days of NASA's human space flight program, including the Mercury, Gemini and Apollo missions including the early shuttle flights.

He was inducted into the CQ Amateur Radio Hall of Fame for his role in persuading NASA officials to allow Amateur Radio operation from space in the 1980s.

A Pennsylvania native, began his broadcasting career at WIBG radio in Philadelphia. He served as a combat infantry officer during World War II and later became a program manager for the Armed Forces Radio Network in Europe. After the war, he was a television pioneer at WPTZ-TV in Philadelphia. He subsequently set up NBC's West Coast news bureau.

Neal was an ARRL member and active amateur operator throughout his adult life. Survivors include his wife Pat and sons David and Mark.

(courtesy of ARRL Newsletter, Ausust 18, 2003, ARLX008)



Techniques of the Best Operators

This was a forum presented by Mitch Stern, W1SJ, who said he has made over 200,000 contacts. Among the tips he gave were "Speak clearly, speak slower and emphasize the syllables." He recommended running high power on your HT and talking in short bursts not monologues. To be understood Mitch said, "Enunciate, don't mumble." To hear better, when mobile, use an external speaker. At noisy public service events use headphones. He gave a list of No-Nos which included "For ID, 73s, negative, land-line, first personal, destined, we", and over identifying. Mitch, who furnishes communications for the NYC Marathon encouraged participation in public service events. He said to be sure to bring plenty of charged batteries and bring plenty of charged batteries and bring a backup radio. (And bring your food.) Make sure you have the best antenna possible (You don't want to fade out when you are giving information about someone laying on the ground). Keep your HT off the belt, the signal gets absorbed by your body. And, if possible (prior to the event) check the radio coverage. Don't use VOX because if it locks up, the net is destroyed. He gave all this to THINK ABOUT: If you were suddenly called into action, is your equipment ready? And, could you power your radios and charge batteries without commercial power?

This information appeared on Page 11 of the August 2003 World Radio magazine. Submitted by Jason KC8LIN.

Power Line Communications may be coming to your loaction !

In the USA they call it BPL (Broad band over Power Lines), In Europe it's PLT (Power line telecommunications) and some also call it PLC. These terms all refer to the use of modems which will give computer users access to the Internet at high speeds using the normal AC power lines for communication. This means the power wires must pass a band of frequencies of up to 80 MHz.

Dozens of companies are trying to cash in on the new technology. But what about radiated interference, and how does it affect Amateur radio?

Here is a story from the ARRL.

Aug 6, 2003—ARRL President Jim Haynie, W5JBP, says Broadband over Power Line (BPL)—if widely deployed—would represent "spectrum pollution" on a level that is "difficult to imagine." Haynie reacted after seeing videotape and early data from recent ARRL field studies in four states where BPL is undergoing testing.

"BPL is the most crucial issue facing Amateur Radio and the one that has the most devastating potential," Haynie said. In terms of interference potential on HF and low-VHF frequencies, "nothing is on the same scale as BPL."

A form of power line carrier (PLC) technology, BPL would use existing low and medium-voltage power lines to deliver broadband services to homes and businesses. Because it uses frequencies between 2 and 80 MHz, BPL could affect HF and low-VHF amateur allocations wherever it's deployed. BPL proponents—primarily electric power utilities—already are testing BPL systems in several markets, and one reportedly is already offering the service. FCC rules already allow BPL, although industry proponents want the FCC to relax radiation limits. It's feared such a change could exacerbate BPL's interference potential.

At the West Gulf Division Convention (Austin Summerfest 2003) August 1-2 in Austin, Texas, Haynie previewed a short video that covers highlights of a recent field tour by ARRL Lab Manager Ed Hare, W1RFI. The video, which will complement technical data ARRL is gathering and compiling, turned out to be a real eye-opener for many in the audience.

Walt Dubose, K5YFW—assistant chairman of the ARRL High Speed Multimedia (HSMM) Working Group—said it was about what he'd expected. "But for most attending—maybe 60 percent—it was much worse than they had imagined, and for some it was a real shocker," he reported. Dubose said a few of those viewing the video simply couldn't believe that BPL actually was causing the high noise level.

In late July, Hare traveled some 1350 miles to visit BPL trial communities in Maryland, Virginia, Pennsylvania and New York to take measurements over significant parts of the HF spectrum. He also took initial readings at low-VHF frequencies. Driving a specially equipped vehicle loaded with radio gear and measurement devices, Hare said he didn't need to look long or track down "a few hot spots" to find BPL interference. "The signals were all over," he said.

"The interference found ranged from moderate to extremely strong," Hare said. The video shows the S meter of an HF transceiver holding steady in excess of S9 as the speaker emits a crackling din, which one observer described as sounding like a Geiger counter. Only the very strongest amateur signals broke through on 20 and 15 meters. Hare noted that the field strengths of the various systems all were within FCC Part 15 limits for power line carrier (PLC) devices." Thanks To Ed Hare, ARRL

So what is RAC doing about PLC? We have been following the developments in the US, Japan, and in Europe for the past couple of years. We have had regular discussions with Industry Canada, but so far there have been no proposals for trials in Canada. Through the RABC we have been in touch with the representative of the power utilities, to see if they have any plans for PLC. So far, nothing seems to be happening here, but given time, we can expect trials somewhere.

The power lines make good antennas at many HF frequencies, and the potential for interference is high. If a Canadian trial does take place, amateurs will have to listen for the interference, and document it so that we can begin to build our case.

(Thanks to Canada's National Amateur Radio Society)

RUBBER DUCK ANTENNAS

Rubber duck antennas on hand-held radios are a severe compromise on efficiency. On the plus side is their short size and flexible forgiveness to brutish handling. On the negative side is their terrible radiation inefficiency, probably worse than many of you expected.

When did you last replace your helical spring antenna we call the rubber duck? On testing a hundred or so portable radios that had been out on the fire lines for a few weeks we found a typical 60 percent failure rate. Most of the antennas looked fine. The only way you can detect an invisible rubber duck failure is by measuring the microvolts per meter with a calibrated receiver over a measured range under controlled conditions, such as done routinely by the Boise Interagency Fire Center. Since this is difficult for most to do, it might not be a bad idea to replace rubber ducks as a matter of course when they show signs of wear or if they are a year old. You might want to consider using a telescopic antenna under non-violent conditions to vastly improve the range of your hand-held.

The National Bureau of Standards ran some tests that proved what we had long suspected. The efficiency of a hand-held is dependent upon how much antenna it has and how good the ground plane. Most portables have very poor ground planes; the more metal the better. Also the more antenna the better. Hence the rubber duck is a woeful but often necessary compromise. But if a portable is not going to be subjected to the abuse of fireground or street cop utility, you should consider the telescopic quarter-wave antenna if range is important. Compare the figures and discussion that follows.

Be aware that the telescopic antenna is nowhere as rugged as the rubber duck but it will talk circles around it. You might say that the quarter wave whip is to the rubber duck what a 106 inch CB quarter wave whip is to a 36 inch whip on a base loaded coil to compromise range for low garages. Our reference antenna in the Public Safety high band and 2-meter Amateur radio measurements below is a quarter-wave telescopic antenna, extended, and held at face level: One-quarter wavelength extended and at face level = 0 dB

One-quarter wavelength collapsed and worn at belt level = -40dB Rubber duck held at face level = -5dB Rubber duck worn at belt level = -20dB Translated, this means that a 5-watt hand-held with a rubber duck worn on the belt has an effective radiated power not of 5 watts but only .05 watt. Held at face level the radio has an ERP of 1.6 watt. 15dB is quite a difference!

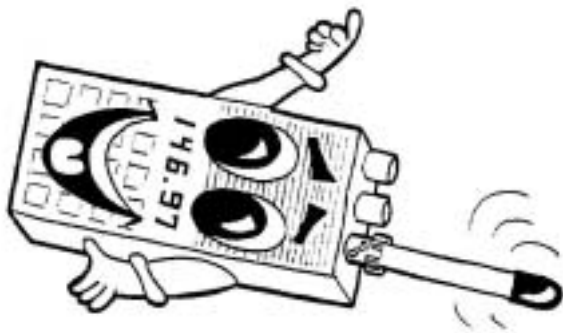
In the material above we gave you facts and figures of the quarter-wave telescopic versus the rubber duck for Public Safety VHF Highband and 2-Meter Amateur handhelds. The 40 dB down for the nested telescopic relates to those commercial models where the telescopic disappears within the radio. Such an antenna won't break when it's nested but it won't receive worth a whoop either. In those radios where the collapsed quarter wave is external to the radio they break very easily. For that reason we recommend the style that has a spring at the base. The spring makes it very forgiving of

elbows and other bum raps. We have not researched or measured five-eighth wave antennas because they are too long for most public safety use and because they typically require too many telescopic sections. The more sections the more chance of troubles. Few people take the time to correctly telescope any hand-held antenna. They should never be whacked down with the palm of the hand on top and push. They should be pulled down with the thumb and first two fingers.

If you are interested in the figures for 450 MHz, using the table above, they are respectively 0dB, 30dB, 5dB, and 30dB. One more reference for the technically inclined-the loss of a telescopic antenna compared to half-wave dipole: VHF - 5dBd and UHF -20 dBd. Telescopic antennas should be changed at least annually and whenever they become the slightest bit loose. Any looseness can mean a poor RF connection inside the antenna where you can't see it or fix it. Simply change it.

This article is from Races Bulletins 023-025, 1986. Many more Antennas links from my web site <http://kc8lin.tripod.com>

Jason Stroll KC8LIN



From: "ARRL Web site" <memberlist@www.arrl.org>

Subject: QSL Bureau Information

Date: Friday, August 08, 2003 3:14 PM

To Ohio Section members

>From the 8th Call QSL Bureau chief: Jay Slough, K4ZLE, West Chester, Ohio

Please visit the new 8th call area Bureau page where changes in bureau operation is explained. This page is located at <http://home.fuse.net/jslough/w8buro.html>.

Here is a summary of the changes to the bureau page:

- 1) Added a description of where the bureau will soon be physically located (VOA Museum)
- 2) Suggestion that users of the bureau be ARRL members
- 3) Not accepting cards for other than W8 bureau designees (not being an input point for cards brought back from other bureaus or for outbound cards to DX. (Those must be sent to ARRL HQ per outbound bureau operating guidelines as found on the ARRL website.)
- 4) Once cards have reached the unclaimed status for a given call, we

will continue to destroy future incoming cards without further notification, until we are notified by the intended recipient that they want the cards. (We are assuming that once refused or the recipient is uncontactable, they remain so which gives implied consent to destroy forever.)

5) We will not forward between letter mangers/bureaus for calls without envelopes; i.e., you must have envelopes on file for every call for which you want to receive cards. If you change calls for any reason, vanity call, upgrade, moved to or from the 8th call area, you need envelopes for every call.

6) We will NOT use used envelopes

7) 1x1's require envelopes on file with dates of operation on the envelope

8) If you do not want bureau cards for DX operations you did or are manager for, once we are notified, we will destroy the cards and not return them and do not take responsibility for destroying cards addressed to you, for your US operations.

9) Similarly, we will not forward bureau cards at league expense to the new manager if you cease being the manager for a DX station.

Part of what is implied is that we will no longer return unclaimed cards at league expense except for cards to Silent Keys and other obvious defects like invalid call or wrong call. Cards not returned will be destroyed. Before they are destroyed the letter manager will have attempted to contact the intended recipient and have held the cards for at least the minimum time required under the SOGs (90 days).

As stated on the web page the biggest problem we have is not having envelopes on file for those whom we receive cards. The letter managers expend too much time trying to track people down to notify them that they have cards at the bureau and need to send us an envelope. Please encourage our fellow hams that if they work any DX at all they should expect to get bureau cards.

I also want to remind everyone that we can not accept cards for lower-48 US to lower-48 US contacts- period! They too will be destroyed.

If anyone has questions or concerns after reading the web page, they may contact me at k4zle@arrl.net.

Thanks for your assistance in making the hobby more fun for all of us.

73, Jay, K4ZLE 8th Area incoming QSL bureau manager

ARRL Ohio Section

Section Manager: Joseph J. Phillips, K8QOE

k8qoe@arrl.org

TO ARMS! TO ARMS! THE QRN IS COMING!

It may not be "One if by land, two if by sea," but the warnings are just as urgent.

Don't make a mistake and underestimate the will and the resources of the Power Distribution industry. They want Broadband over Power Line (BPL). They see dollar signs floating around. They want it and can taste the profit! They want to put Internet connections into every room in every building throughout this country. They want to run Internet signals through every power line in the country to achieve their goal. In short, they are willing to disrupt nearly every radio service that operates between 2 MHz to 80 MHz out of business for practical purposes.

Moreover, the chairman of the FCC personally wants BPL. Upon announcing the petition from the power companies, he did everything but take his pen from his shirt pocket, and fill out and sign the Notice of Rule Making that would permit BPL. What can we do?

Many of you have sent Comments to FCC protesting the Notice of Proposed Rulemaking (NPRM). This is great. At this time, the Comment Period has expired and we are nearing the end of an extended Reply Comment Period. If you have not yet sent a comment to FCC or if you want to get a second lick in against BPL, NOW IS THE TIME to do it.

August 20 is the last day to get Reply Comments to FCC!

What do you do? Tell the FCC BPL is an ill-conceived idea that is not yet ready for the light of day (or the dark of night). Here is how you can do it.

The best way — write a hard copy letter. However, with the closing date being Wednesday I suggest you file a Reply Comment electronically to be certain it reaches FCC before the deadline. This can be done as follows:

- 1) Log on to <http://gulfoss2.fcc.gov/>
- 2) Click on the "E-Filing" box at the top of the opening screen.
- 3) Click on MAIN of "Electronic Comment Filing System (ECFS)" from the list that follows.
- 4) Click on Submit Filing from right hand column when the next screen appears.
- 5) Fill out the form toward the bottom of the screen. The Proceeding number is: ET 03-104, ignore #4 and #5, #6 is your E-mail address, ignore #11, set #12 to "Reply To Comments."

Fill in the box for brief comments (further down the page). When finished, click on "Send Brief Comment to FCC." A typical Reply Comment might be as follows (please reword to avoid FCC receiving cookie-cutter replies which could reduce the impact of our collective effort):

"I support fully the well founded Comment submitted by The American Radio Relay League concerning Docket ET 03-104. I conclude the comments made by proponents of Broadband over Power Line (BPL) have little if any credible scientific data to support approval of this docket at this time. Further research and innovations in BPL will be needed to avoid the great risk this innovative technology will not cause irreparable interference to services licensed to operate in the 2 MHz - 80 MHz frequency range. Approval of ET 03-104 would violate the existing FCC rules on non-interference and would be contrary to the best interest of the public."

CONVENTION HOUSING

Saturday, August 23rd is the last day to get rooms at the convention rate at the Findlay Inn. Friday, August 29th will be the last day to pre-register. After this date, register at the door on September 6th. Check <http://greatlakes.arrl.org> for further details on the convention.

The Findlay Inn has comfortable, large rooms, a restaurant and is a pleasant place to stay. The toll-free phone number for the Findlay Inn is 800-825-1455.

BPL, MORE.

At the conclusion of WRC-03, I mentioned that delegates and observers of this treaty conference were literally shaking their heads in disbelief that we Amateur Radio operators could muster enough clout to move the international broadcasters out of 40 meters. It is now the turn of the power distribution industry to marvel at what we can do.

Thanks to the support of so many ARRL members and the leadership of President Haynie and key staff members, the power companies have begun pointing their collective finger at ARRL and hams, identifying us as the people they have to beat. They acknowledge they are in for a tough fight. Let's give them this tough fight along with a knockout punch.

With your active involvement in the FCC hearing on BPL as well as your financial contributions, we can win this uphill battle. In Washington, DC and its surroundings, numbers talk! These are: 1) Numbers of people who go on record for or against something. 2) Numbers of dollars that enable us to travel to talk with FCC personnel, with legislators, with key people in industries that would be impacted (negatively, in the case of BPL) to urge them to act to our mutual benefit.

Please understand that if BPL goes through in its present form, we may as well sell our equipment that operates on 2 MHz — 80 MHz. The victory we just achieved on 40 meters will have been wasted. We won't be able to use it, or 80 meters, or 60 meters, or 30 meters, or 17 meters, or 15 meters, or 12 meters, or 10 meters, or 6 meters. I for one like to operate on 160 meters as well as 2 meters, 1 & 1/4 meters and 70 centimeters, but I'd surely hate to lose everything in between because of an ill-conceived, ill-developed and ill-approved feel-good application of technology.

CAN YOU READ ME?

If this copy does not come to you in reasonable format (with paragraphs, etc.), please keep it and let me know. A couple of members have indicated the copy they receive has lost its formatting. The computer guru's at HQ and I want to get this solved. E-mail me at k8je@arrl.org.

STRATEGIC PLANNING

FYI, the directors and specific officers of ARRL will meet in St. Louis in a few weeks to develop Strategic Planning for ARRL. I suspect we'll end up with a "5 year plan" of sorts of major items for the League to pursue. If you have any suggestions of MAJOR actions you'd like to suggest, E-mail these to me at k8je@arrl.org.

73, Jim, K8JE
513-459-0142 Tel. and FAX
k8je@arrl.org

ARRL Great Lakes Division
 Director: James Weaver, K8JE
k8je@arrl.org

MINI DX - PEDICTION TO TAPPAN LAKE ISLAND

Our own Byron, KF8UN, and Sandy KC8WTP activated Tappan Lake Island # OH048L (Island designator) on August 9th and 10th. As you can see from these pictures it was no easy task. Pictured below is Byron "foraging" through he brush to the location where he sets up a vertical antenna for 6 through 80 meters.



Pictured is Byron "hunting" for the "ideal;" location!

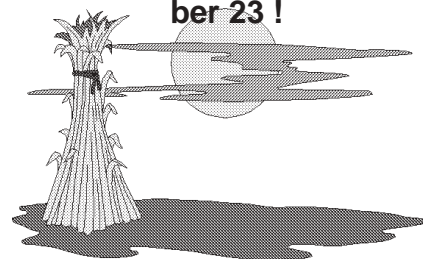
Contacts were to say the least "sparse" but they did something most people wouldn't have any idea how to do. It is not know at this writing just how many contacts they made, but be sure to come to the meeting where they will give a full report on the DX-Pedition !



Pictured above is Byron, KF8UN, setting up their vertical antenna prior to the commencement of KF8UN & KC8WTP /P/ OHO 48L . What is next for the "dynamic duo" ? Hey Byron, perhaps maybe in your "spare time" , could you put on `Scarborough Reef (BS7) ?? I still need that one!!!!

LABOR DAY SEPTEMBER 1, 2003

Believe it or not but Autumn begins on September 23 !



September 2003

Monthly Planner

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------------|------------------------|---|--|--|---|--------|--|--|--|--|--|--|---|---|---|---|---|---|---|--|--|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--|--|--|--|--|---------|--|--|--|--|--|--|---|---|---|---|---|---|---|--|--|--|--|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 1 BD KB8STV BD N8GAF | 2 BD KC8JLX | 3 | 4 7:30 PM QCWA (Chapter 21) Net, 147.180 | 5 Massillon ARC meeting | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 8 | 9 | 10 BD KF8ZT | 11 | 12 West Stark Info Net 147.180 at 8:00 PM | 13 EXAM SESSI- ON Akron call Bruce@330- 929-2766 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 BD WA8HHO | 15 | 16 | 17 Canton ARC Meeting 7:30 PM | 18 | 19 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 22 BD N8XTG | 23 | 24 | 25 | 26 West Stark Info Net 147.180 at 8:00 PM | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 Hamfest Cleveland Call !-800- CLE-FEST (Berea) | 29 | 30 BD KC8FLT | <table style="margin: auto; border: 1px solid black; padding: 5px;"> <tr> <th colspan="7" style="text-align: center;">August</th> </tr> <tr> <th style="text-align: center;">S</th> <th style="text-align: center;">M</th> <th style="text-align: center;">T</th> <th style="text-align: center;">W</th> <th style="text-align: center;">T</th> <th style="text-align: center;">F</th> <th style="text-align: center;">S</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">10</td> <td style="text-align: center;">11</td> <td style="text-align: center;">12</td> <td style="text-align: center;">13</td> <td style="text-align: center;">14</td> <td style="text-align: center;">15</td> <td style="text-align: center;">16</td> </tr> <tr> <td style="text-align: center;">17</td> <td style="text-align: center;">18</td> <td style="text-align: center;">19</td> <td style="text-align: center;">20</td> <td style="text-align: center;">21</td> <td style="text-align: center;">22</td> <td style="text-align: center;">23</td> </tr> <tr> <td style="text-align: center;">24</td> <td style="text-align: center;">25</td> <td style="text-align: center;">26</td> <td style="text-align: center;">27</td> <td style="text-align: center;">28</td> <td style="text-align: center;">29</td> <td style="text-align: center;">30</td> </tr> <tr> <td style="text-align: center;">31</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <table style="margin: auto; border: 1px solid black; padding: 5px;"> <tr> <th colspan="7" style="text-align: center;">October</th> </tr> <tr> <th style="text-align: center;">S</th> <th style="text-align: center;">M</th> <th style="text-align: center;">T</th> <th style="text-align: center;">W</th> <th style="text-align: center;">T</th> <th style="text-align: center;">F</th> <th style="text-align: center;">S</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> <td style="text-align: center;">7</td> <td style="text-align: center;">8</td> <td style="text-align: center;">9</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">11</td> <td style="text-align: center;">12</td> <td style="text-align: center;">13</td> <td style="text-align: center;">14</td> <td style="text-align: center;">15</td> <td style="text-align: center;">16</td> <td style="text-align: center;">17</td> </tr> <tr> <td style="text-align: center;">18</td> <td style="text-align: center;">19</td> <td style="text-align: center;">20</td> <td style="text-align: center;">21</td> <td style="text-align: center;">22</td> <td style="text-align: center;">23</td> <td style="text-align: center;">24</td> </tr> <tr> <td style="text-align: center;">25</td> <td style="text-align: center;">26</td> <td style="text-align: center;">27</td> <td style="text-align: center;">28</td> <td style="text-align: center;">29</td> <td style="text-align: center;">30</td> <td style="text-align: center;">31</td> </tr> </table> | | | | August | | | | | | | S | M | T | W | T | F | S | | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | October | | | | | | | S | M | T | W | T | F | S | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| August | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | M | T | W | T | F | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| October | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S | M | T | W | T | F | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Please contact KA8ZQH to add,delete or change Calendar