

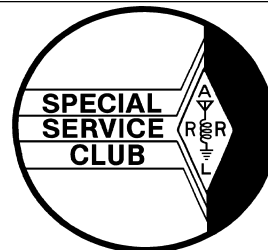
Happy New Year

# FEEDBACK



JANUARY 2002

VOLUME 47 NUMBER 1



## JANUARY DINNER MEETING

The meeting for the Massillon Amateur Radio Club will NOT be held at the Senior Center, instead it will be held at the PERRY GRANGE HALL, 6300 Richville Dr. S.W., Perry Township. Please see the map on page 4 for directions to the hall. This will be our annual dinner meeting and it will be held on January 12, 2002 at 6:00 PM with social hour; dinner to start at 6:30 PM.

By now each of you should have received your invitation in the mail, if you haven't received it please RSVP your reservation to Ann Ballinger, N8GAF, at 330-832-8612 as soon as possible to confirm your reservation. You must confirm the reservation no later than January 10th.

The banquet committee has worked hard to obtain this reservation for us. The total cost for each dinner is only \$ 8.00. The dinner includes chicken and swiss steak. complete with potato, and vegetable, family style. The price includes dessert! So for the price and a great dinner, ya can't beat it! What a night of entertainment is in store for you and your XYL, girl friend, ect! We will however have the annual "serious" awards followed by the "not so serious" awards. In any event it will be a nite to enjoy. Please see related stories on pages 4, 7, & 8. So plan on attending and make your reservations ASAP!

## NEW OFFICER'S FOR 2002

At last month's meeting club members nominated and elected two new officer's for the Massillon Amateur Radio Club. The newly elected officer's are: Richard Ross KA8ZQH, new Vice President; Gary Blagg KC8IHR new Trustee. The entire line up of MARC 2002 Officer's are:

President	Gene Beckwith	W8KXR
Vice President	Richard Ross	KA8ZQH
Secretary	Linda Finley	K8MOO
Treasurer	Anne Ballinger	N8GAF
Trustee	Jim Farriss	WA8GXM
Trustee	Bob Kiplinger	K8KIP
Trustee	Gary Blagg	KC8IHR

CONGRATULATIONS TO ALL

## - SHORT SKIP -

Live long enough and you'll read about your past in a history book. Cold War SWL's can do just that in a new book in the works by Gordon Adams, G3LEO. The book covers the short-wave radio wars from WWII, Tokyo Rose, Moscow Molly, underground radio and beyond. Why, I can recall tuning my mighty S-120 to 7.160 Mc. and hearing about the good life in the workers paradise and their latest 5 year plan (HI). So stay tuned Bunkey, this could be a most interesting book.

All the best to your family and you in 2002 !

DE WB8OWM

## HAPPY NEW YEAR 2002



## **MARC MINUTES**

### **December 7,2001**

The December MARC meeting was held at the Senior Center with 34 members and guests present.

MARC President Don W8DEF called the meeting to order at 8:10 P.M. The Pledge of Allegiance was given and a round of introductions was made. He then asked that the November minutes be accepted as stated in the Feedback. They were accepted by Byron KF8UN and seconded by Dennis N8UDL.

MARC Treasurer Anne N8GAF gave the financial report. A motion to accept it was made by Terry N8ATZ and seconded by Dennis N8UDL.

Vice President Gene W8KXR gave the correspondence report. He had newsletters from other Amateur Radio Clubs. He showed the newspaper articles that were brought in about the REZZY FEST being held Dec. 7 & 8.

Also reported Amateur Radio Trader is no longer in business.

Told now Level 3 is now open thru the ARRL for Emergency Communication courses.

Don W8DEF showed newspaper article Don Harwig wrote thanking MARC for doing a good job working the Christmas Parade.

### **OLD BUSINESS**

Perry W8AU gave the update on the Rezzy Feat activities.

Gary WC8W gave the results of the VE Session held Nov. 24th. He said twelve people tested with ten getting a new licence or upgrading.

### **NEW BUSINESS**

Jack N8LCS said the MS Walk will be Sunday April 21,2002. However there will be 2 sites needing staffed this year. It will still be at Quail Hollow and also this time at the Towpath Walking Path. If you can help with this event contact him.

Byron KF8UN said the CARC will be having a guest speaker at their meeting. They meet the 3rd Wed. every month at the EOC held at the Sheriff's Dept. He also gave his DX report and passed around some QSL cards he had received.

Members voted to have the Awards Banquet at the Perry Grange Sat Jan.12,2002 at 6:00 P.M. It will be served family style. Contact Anne N8GAF with reservations and payment. The cost will be \$8.00 (in advance)and this does include dessert.

The elections was held for next years officers. The newV.President will be Rich KA8ZQH and the new Trustee will be Gary KC8IHR. Congratulations to both, they will be installed at the January Banquet.

We welcomed 2 new members, Cam KC8NLM and Dick KC8SQT.

The meeting ended at 9:10 P.M.

**Minutes by Linda K8MOO Secretary MARC**

## ..... WEBSITE UPDATE .....

January marks the end of the second year online for the club's website and the counter read just over 2,240 hits. Over two thousand hits in two years, that breaks down to about three hits everyday. I think that's pretty impressive for a club of our size. Originally conceived as a way to make for easier access to club information, it has evolved into much more than that. Nearly two-thirds of the American public surfs the internet and of those about 270,000 are licensed amateur operators. This makes our website much more than just a place to post a club roster or newsletters, its a window to the world and a great opportunity to demonstrate our hobby to the world. A teaching tool that has infinite possibilities. It has turned into a big responsibility and together with Dan - N8DZM, one we are proud to be a part of.

The site has undergone three major face-lifts since its inception, each one designed to enhance both its appearance and useability. I'm impressed with the results and I hope you are also. Please let us know if you see something we've missed or that needs correcting. It continues to grow in content which means it's also growing in size. Currently it's about forty megabytes in size, pretty big for a modest club site. This is largely due to the many pictures that dominate its pages. The world wide web is a visual medium and we've tried to take full advantage of that concept. I know you get tired of seeing me with my ever present camera everywhere I go but I've been lucky enough to get some great shots over the past year at our many club events and many of these are used in the site. I'm still learning the best way to work with digital pictures and I promise pictures will look a little better when posted on the site in the future. We are also still fortunate to have website server space as inexpensively as we have but that may soon change. We are seriously looking into having our own domain space which will open up many new possibilities for us. Dan has been doing extensive research into some great web hosts at a decent price and I will be covering that in the next issue. I'm amazed at how much commercial website designers charge for their work. I've seen sites that aren't as nice as ours that cost thousands of dollars to create and maintain. We are doing all that and more for about sixty dollars a year !

Watch for a few new changes to the site during 2002 as we revise its many pages to look more like the home page. This will allow us to display more information in a logical order while helping to maintain a more consistent look throughout the site (just the way the big boys do). Working with Jeff - KC8KIX we will also be posting periodic updates to the Stark County Directory which will help keep it more up-to-date with the latest Stark County amateur information. We also have a few ideas still in the development stage. We're always looking for new ideas from the club for additions to the site. Drop us a note if you see something interesting radio related that we could add.

## .... SO HOW DOES THE WEB WORK ANYWAY ? ....

It's not something most of us think about any more

than how a newspaper gets delivered to our door every day, or how a newscast is produced. It's just .... the Web, or the Internet to many. But if you really want to know and understand it, its best to start with a live story.

In the Sixties, at the height of the Cold War, the U.S. came up with the idea of designing a computer system that would be nearly invulnerable to nuclear attack. Essentially, the use of "packet data" - sending packets of information across several lines at once rather than a single line - would allow information to find its destination and be reassembled, even if a massive amount of computers were taken out at once during a full-scale assault. This system became known as the ARP Anet, named for the government's Advanced Research Projects Agency.

In 1975, the U.S. military more or less took ARP Anet over and restricted it to their own uses. This spurred a number of researchers who had been working on the project from an intellectual and educational, rather than military, interest to begin developing their own networks. This in turn resulted in the development of a protocol known as TCP/IP (Transfer Control Protocol/Internet Protocol), which allowed all kinds of different networks to interconnect. ARP Anet came on board soon after TCP/IP was unveiled, and the Internet as we know it still uses this system today.

In 1990, ARP Anet was shut down due to the vast strides being made by non-military researchers, and the patronage of major players such as the National Science Foundation ensured that those researchers remained well funded. Remember that even at this point - less than ten years ago - there was still no World Wide Web, no Netscape, and no graphics on the Internet. It was simply designed to share information in a text-based format.

Then, in 1992, everything shifted, a gentleman by the name of Tim Bernes-Lee at CERN (the European Laboratory for Particle Physics in Switzerland) invented the Web as a personal tool to aid in his physics research. His invention allowed people to point and click around the Internet using a Web browser, whether or not they understood anything about computers beyond how to click a mouse button.

It only took until 1993 for Marc Andeessen and his team to create the first ever Web browser, called Mosaic. It handled graphics, sounds, streaming video, e-mail, newsgroups, and everything else we take for granted today. Mosaic eventually became Netscape, and its browser sold like wildfire throughout the early Nineties. However, Microsoft and Bill Gates quickly put together their own Web browser, Internet Explorer, and began to give it away ... for free. (What a concept !)

Needless to say, that got them market share pretty quickly. Today, you will find any number of hardcore computer users who are fanatically devoted to one browser or another, and almost as adamant in their loyalty as Mac users vs. PC users. That does cause some special problems for your friendly neighborhood Web designers, but that's a topic for a future column. Today most home users use Internet Explorer and that's why our website was designed around that browser but thanks to Dan - N8DZM, its also quite compatible with Netscape although the pages look a little different.

**.... TIME FOR A KWICK KONTEST KUDOS ....**

The January issue of QST has the results of the June 2000 VHF QSO Party and here in Ohio a familair callsign has again graced the listings. Congratulations to Byron Berger - KF8UN who scored 2,542 points on 62 contacts using both 50 and 144 mhz. This represents a solid performance in a tough contest with lots of "Big Guns". Well Done !

**Till Next Time  
Terry - N8ATZ**

**2002 Joint meeting Announce-  
ment**

**FOR IMMEDIATE RELEASE**

It give me great pleasure to announce our areas first combined amateur radio club meeting. Please mark your calendars and plan to attend . We are privileged to have Mr. Joe Phillips as our key note speaker. Mr. Phillips is the current ARRL Section Manager for Ohio. An accomplished speaker and ham of 43 years. He will address the "Future of Amateur Radio" Also,attending area clubs will also provide insights about their club activities.

The Canton Amateur Radio Club will host this great event. We will have door prizes, 50-50 drawing and light snacks. See you there!

Location: Stark State College  
6200 Frank Av. N.W.  
Canton, Ohio  
Meeting Room : Auditorium  
Date: March 27, 2002  
Time: 7:00pm to 9:00pm

For further information contact:

Mike Robinson  
330-478-3831  
KIODE@AOL.COM  
146.79 Repeater



**DUES ARE DUE !**

It's hard to believe but it's that time again when the dues for the Massillon Amateur Radio Club are now due. There is a real easy way to pay the dues, just come to the annual Dinner Banquet and pay for the meal and next year's dues in just one easy payment! Where else can you get a real bargain like this! The cost for a single year's membership is \$ 10.00, the cost for your meal is \$ 8.00 that adds up to \$ 18.00, and if you add the XYL, her membership is only \$ 5.00 more. The total cost to you, two memberships plus two meals comes to \$ 31.00! I've paid more than that for two steak dinners at Mountain Jacks alone! What a bargain MARC is!!

According to our Code of Rules & Regs, the breakdown in dues is this:

- Single full membership \$ 10.00
- ( we do not have "associate" memberships)
- Dues for the XYL \$ 5.00
- Student's of family member \$ 2.50 (each)

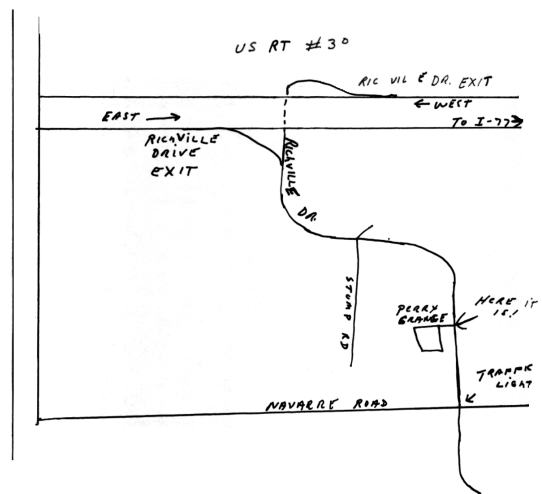
Not going to the Banquet? Well we can forgive you this time but you can still renew your membership very easy, just by sending it to our Club Secretary,

Anne Ballinger, N8GAF,  
2468 Bellevue Ave S.W  
Massillon, Ohio 44647-7212

So after you read this, call Anne and make your reservations for the Banquet & renew your membership, if you can't make it to the Banquet, at least let her know you want to renew your membership and we will take care of the paper work! Remember WE DO NOT WANT TO LOOSE A SINGLE MEMBER!!!

**DIRECTIONS TO MARC AWARDS BAN-  
QUET**

Take US Rt.# 30 , East from Rt. # 21 Or West from I 77 to the Richville Drive Exit. Drive south on Richville Drive make sure you stay on Rivhville Drive, you will see the Grange about 50 yards BEFORE the Traffic light on Navarre Road. The Grange is on the West side of the road.



**The Foundation For Amateur Radio, Inc.**



*Washington, DC*

# ***AMATEUR RADIO NEWS RELEASE***

## **For Immediate Release**

THE FOUNDATION FOR AMATEUR RADIO, INC., a non-profit organization with headquarters in Washington, D.C., plans to administer sixty-two (62) scholarships for the academic year 2002 - 2003 to assist licensed Radio Amateurs. The Foundation, composed of over seventy-five local area Amateur Radio Clubs, fully funds seven of these scholarships with the income from grants and its annual Hamfest. The remaining fifty-five (55) are administered by the Foundation without cost to the various donors.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled in or have been accepted for enrollment at an accredited university, college or technical school. The awards range from \$500 to \$2500 with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs. Clubs, especially those in **Delaware, Florida, Maryland, Ohio, Pennsylvania, Texas, Virginia and Wisconsin**, are encouraged to announce these opportunities at their meetings, in their club newsletters, during training classes, on their nets and on their world wide web home pages.

Additional information and an application form may be requested by letter or QSL card, postmarked prior to April 30, 2002 from:

FAR Scholarships  
Post Office Box 831  
Riverdale, MD 20738

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



**ARRL NEWS****ARLP055 Propagation de K9LA**

ZCZC AP55  
 QST de W1AW  
 Propagation Forecast Bulletin 55 ARLP055  
 From Carl Luetzelschwab, K9LA  
 Ft. Wayne, IN December 28, 2001  
 To all radio amateurs

Carl Luetzelschwab, K9LA is filling in this week for Tad Cook, K7VVV.

This report is for the period Friday December 21 through Thursday December 27.

Solar activity was low at the beginning of the reporting period, with only class C flares occurring. Solar activity increased to high levels toward the end of the period due to many class M flares, the biggest being an M7 proton flare on December 26. This flare produced a short duration 100MeV proton event, and a longer duration 10MeV proton event that is still in progress.

A PCA (Polar Cap Absorption) event also occurred, reaching a peak absorption of about 9dB at 1115z on December 26. Accompanying the M7 flare was a CME (Coronal Mass Ejection).

Geophysical activity mostly ranged from quiet to unsettled over the reporting period.

The Penticton (British Columbia) 10.7 cm solar flux was 234 on December 21 and gradually increased to 275 on December 27.

The daily planetary magnetic index Ap was below 10 for most of the period. It is predicted to increase to around 30 on December 28 due to the CME activity of December 26. This will result in minor storm conditions, but these conditions are expected to be relatively brief.

K7VVV will be back next week with this week's sunspot numbers, solar flux numbers, and A indices.

**NNNN**  
**/EX**

**ARLD055 DX news**

ZCZC AE55  
 QST de W1AW  
 DX Bulletin 55 ARLD055  
 From ARRL Headquarters  
 Newington CT December 27, 2001  
 To all radio amateurs

This week's bulletin was made possible with information provided by Tedd, KB8NW, the OPDX Bulletin, WA7BNM, The Daily DX, DXNL and 425DXnews. Thanks to all.

MALDIVES, 8Q. Ian, G3TMA will be QRV as 8Q7IJ while here on a holiday operation from December 31 to January 7. His activity will mostly be CW. QSL to home call.

PORTUGAL, CT. CS5E is QRV until December 28 on 40, 20, 15 and 10 meters using SSB from Outao Lighthouse during the Lighthouse Christmas Lights 2001 event. QSL via operator's instructions.

GERMANY, DA. DH3ZK is QRV from Peol Island, IOTA EU-098, until January 15 using SSB and PSK31. QSL via bureau.

SOUTH SHETLAND ISLANDS. Miroslaw expects to be active as HF0POL from the Polish Base Hanryk Arctowsky on King George Island, IOTA AN-010, from January 1 to December 31, 2002. He plans to be active using CW, RTTY and PSK31 on all HF bands, including the newer ones. QSL via SQ5TA.

SOUTH KOREA, HL. Special Event call D902WSF, which celebrates the 2002 World Cup Sunrising Festival, will be active from Pohang from December 31 to January 4. Activity will be on 80 to 10 meters using CW and SSB. QSL via DS5UCP.

THAILAND, HS. Dave, W3VK has been assigned to the US embassy in Thailand and is now using the callsign HS0ZDP. QSL to home call.

MARIANA ISLANDS, KH0. Nozomu, JE8KKX will be active as AH2K/KH0 from Saipan, IOTA OC-086, from January 3 to 5. Activity will be on 40 to 6 meters using CW and SSB. If time permits, he may also be active on 160 and 80 meters, and the newer bands. QSL to home call.

ARUBA, P4. Martin, VE3MR is QRV as P43MR until April 2002. QSL to home call.

EGYPT, SU. Luciano, EA7CHR is living in Egypt and has the callsign SU9LL. He is active on 20, 17, 15, 12 and 10 meters using SSB. QSL to home call.

NAMIBIA, V5. Rudi, ZS6DX is active as V51VE from Windhoek. QSL to home call.

AUSTRALIA, VK. Steve, VK6VZ, will be QRV as VK6VZ/6 from a lighthouse located at Cape Leeuwin. This includes an entry in the Stew Perry Topband Contest. QSL to home call.

NORFOLK ISLAND, VK9N. Bernd, DL1VJ is active as VK9AA/9 using mostly CW on the newer bands. QSL via DL8YR.

MEXICO, XE. Members from the Radio Club Cancun will be active as XF3IC from Holbox Island, IOTA NA-045, from December 28 to 30. Activity will be on 160 to 10 meters using CW, SSB and RTTY. QSL via XE3OYJ.

THIS WEEKEND ON THE RADIO. The RAC Winter Contest, Stew Perry Top band Distance Challenge and the Original QRP CW Contest are all scheduled for this weekend. The ARRL Straight Key Night is scheduled for December 31 to January 1. Please see December QST, page 98 for details.

**NNNN**  
**/EX**

## ARLB055 ARRL Study Panel Recommends Eliminating Novice Bands

ZCZC AG55  
QST de W1AW  
ARRL Bulletin 55 ARLB055  
From ARRL Headquarters  
Newington CT December 21, 2001  
To all radio amateurs

The ARRL Novice Spectrum Study Committee has recommended that the ARRL petition the FCC to eliminate the CW novice subbands and allow Novice and Technician with element 1 credit licensees to operate CW on the general 80, 40, 15 and 10 meter cw allocations at up to 200 W output. The panel suggested recognizing portions of those bands for "slow CW operation" to aid new CW operators in enhancing their skills. The committee recommended refarming the current Novice/Tech Plus subbands in part to allow expansion of the phone allocations on 80, 40 and 15 meters.

The committee's complete report will be presented to the ARRL Board of Directors for consideration during its annual meeting in January. The committee's determinations were based on opinions expressed by 4744 respondents to an ARRL Novice Spectrum Study survey launched in June. Those expressing their opinions included ARRL members and non-members. Nearly 61% of those responding were Extra class licensees.

The committee, chaired by ARRL International Affairs Vice

President Rod Stafford, W6ROD, has been studying the status and usage of the Novice/Technician Plus HF bands with an eye toward determining appropriate changes in usage of that spectrum now that the FCC no longer issues new Novice licenses. A guiding principle was that no class of licensees would lose any privileges as a result of refarming.

The committee recommended expanding the phone bands in accordance with the most popular of the survey choices offered—three for 80, 40 and 15 meters and two for 10 meters. Here's a summary:

\* On 80 meters, nearly 40% of those responding opted for a plan that would extend the US phone allocation to 3700 kHz, with Extras permitted on the entire subband, and with Advanced and General class subbands starting at 3725 and 3800 kHz respectively.

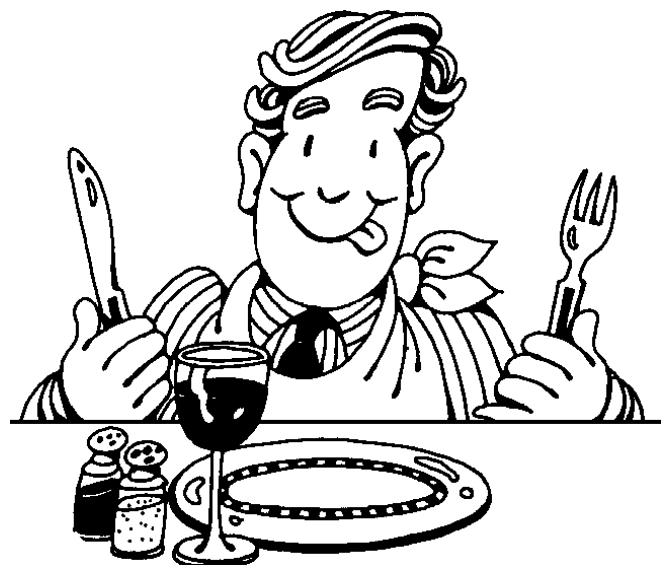
\* On 40 meters, nearly half of the respondents picked the plan to extend the primary US phone allocation to 7125 kHz, with Extra and Advanced licensees allowed on the entire segment and Generals from 7175 kHz and up. (The committee's report suggested no changes to the special allocations for amateurs on certain Pacific or Caribbean islands and in Alaska.)

\* On 15 meters, nearly half of those responding wanted the US phone allocation extended to 21175 kHz, with Extras permitted on the entire allocation, and Advanced and General subbands beginning at 21200 and 21250 kHz respectively.

\* On 10 meters—where Novice and Tech Plus licensees already may operate CW, RTTY and data from 28100 to 28300 kHz, nearly 55% of the respondents favored a plan to retain the US phone allocation from 28300 to 29700 kHz and to extend CW access to Novice/Tech Plus operators to 28000 kHz—an additional 100 kHz. The current Tech Plus 28300 to 28500 kHz phone segment would be retained.

**NNNN**  
**/EX**

**SEE YA AT THE AWARDS BANQUET**  
**JAN 12 6:00 PM**



## LAST MINUTE LATE BREAKING NEWS ON MARC AWARDS BANQUET

Sorry this had to wind up on the last page, but better late than never! It has been announced that the guest speaker for the MARC Awards Banquet will be Mr. Larry Rains WD8IHP, who is the ARRL Ohio Section Emergency Coordinator (SEC). If you missed the September 2001 MARC meeting, then here is your chance to hear Mr. Rain talk again. He presented a very exciting program for us in September and we are looking forward to seeing and hearing him again. With all that has happened since September 11, I am sure that no one will want to miss this great opportunity to get the latest on the League's role in this horrific disaster. So plan on attending and be sure to let the Club's Secretary know of your intentions!!

## EXCERPTS FROM ARRL LETTER

### ==>ARRL STANDARDIZES CLUB NAMES FOR ELECTRONIC CONTEST SUBMITTALS

The ARRL Contest Branch has released a list of standardized club designators to enable the ARRL contest robot to properly count electronically submitted contest scores toward a club's ARRL Affiliated Club Competition point total. ARRL Contest Branch Manager Dan Henderson, N1ND, says a list of clubs that have participated in various ARRL operating events in recent years is posted on the ARRL Web site <<http://www.arrl.org/contests/club-list.html>>.

ARRL-affiliated club members submitting contest scores for club credit should use their club's name as it appears on the list as a standard designator. In most cases, this means typing the name into the "club" field on the logging program used. Henderson says that clubs must be ARRL-affiliated to participate in the various ARRL Affiliated Club Competitions associated with the ARRL's contest program. Members of clubs that are not ARRL-affiliated should leave that field blank when submitting ARRL contest entries.

"We can adjust the full club names when necessary," Henderson said. "We can edit the list to add new clubs." A standardized list of club abbreviations has not been developed at this point, Henderson explained, because some clubs might share an abbreviation.

"While we realize it isn't the perfect solution to the problem or the solution some would have chosen, it is a system that works within the framework of the database programs we use at the Contest Branch," Henderson said. He invited questions, comments and suggestions. Contact Dan Henderson, [n1nd@arrl.org](mailto:n1nd@arrl.org); 860-594-0232.

\* Ducie Island DXpedition set for March 2002: With assistance from an ARRL Colvin Award, the Pitcairn Island Amateur Radio Association (PIARA) plans to mount a DXpedition to Ducie Island in March. Ducie—which became the newest ARRL DXCC entity as of November 16, 2001—has not yet been activated, making it the most-wanted DXCC entity. Poor weather scuttled the initial attempt to land a DXpedition team on Ducie Island in November. PIARA President Tom Christian, VP6TC, has announced that a DXpedition team now plans to depart by boat from Mangareva on March 12. Once on Ducie Island, the DXpedition will use a VP6 call sign to be announced at the start of the operation, which will include both SSB and CW and possibly RTTY on 160 through 6 meters. Six-meter QSLs go to JA1BK. Log checks will be available on the "DX Cluster from Japan" Web site, <<http://www.big.or.jp/~ham/dx.html>>. More information is available on the VE3HO QSL Manager Web page <<http://www.ve3ho.com/ve3ho-qslmgr.htm>> and on WD4NGB's DX Is Web site,



Here is your premier chance to own one of the finest antenna's ever built, a Thunderbird TH6 DXX antenna by HY-Gain! This is a 6 element beam with a (longest) 38 foot element. The mast is about 36 foot long. This antenna is easily upgradeable to a TH 7 DXX ( which is the antenna used by your editor to obtain Honor Roll). You to can become one of the "big guns" on the band. The price is a mere \$ 100.

How about a really great tower to go along with the antenna? A 14 inch sections , 1 and 1/8" leg tower with a two inch mast hole, total length at 66 feet! This will really put you "on the air" Price is ONLY \$ 75.00 !!!

All items are in excellent condition, with the exception of the antenna which needs a minor repair to the 15 meter element. The antenna is completely disassembled, ready to be put together and used comes complete with instructions and hardware.

At these prices the items will not last long, so hurry and make the call to : Jeff Crawford, KC8HRU  
330-9902

Jeff also monitors the 147.18 MHz repeater so don't delay call now !



# January 2002

## Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																										
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<p style="font-size: 2em; text-align: center;">6</p> <p>BD N8ZQF BD WD8PTW Stark County Mutual Aid Net 146.520 11:30 AM</p>	<p style="font-size: 2em; text-align: center;">7</p> <p>Sloppy Fist Net every Monday thru Friday at 9PM on 28.138</p>	<p style="font-size: 2em; text-align: center;">8</p> <p>BD KB8SBZ BD WA8YGR</p>	9	<p style="font-size: 2em; text-align: center;">10</p> <p>7:30 PM QCWA (Chapter 21) Net, 147.180 BD KB8UCC</p>	<p style="font-size: 2em; text-align: center;">11</p> <p>West Stark Info Net 147.180 at 8:00 PM</p>	<p style="font-size: 2em; text-align: center;">12</p> <p>Annual Awards Banquet Perry Grange 6:00 pm BD KC8AXR</p>																																										
<p style="font-size: 2em; text-align: center;">13</p> <p>BD K8LP Stark County Mutual Aid Net 146.520 11:30 AM</p>	<p style="font-size: 2em; text-align: center;">14</p> <p>BD KB8ZXD</p>	<p style="font-size: 2em; text-align: center;">15</p> <p>BD N8RNM</p>	<p style="font-size: 2em; text-align: center;">16</p> <p>Canton ARC Meeting 7:30 PM</p>	<p style="font-size: 2em; text-align: center;">17</p> <p>7:30 PM QCWA (Chapter 21) Net, 147.180 BD WA8NZE</p>	<p style="font-size: 2em; text-align: center;">18</p> <p>West Stark Info Net 147.180 at 8:00 PM</p>	19																																										
<p style="font-size: 2em; text-align: center;">20</p> <p>BD KB8ZGE Stark County Mutual Aid Net 146.520 11:30 AM</p>	21	<p style="font-size: 2em; text-align: center;">22</p> <p>BD KB8MIB</p>	23	<p style="font-size: 2em; text-align: center;">24</p> <p>7:30 PM QCWA (Chapter 21) Net, 147.180</p>	<p style="font-size: 2em; text-align: center;">25</p> <p>West Stark Info Net 147.180 at 8:00 PM</p>	<p style="font-size: 2em; text-align: center;">26</p> <p>BD KB8ZWX</p>																																										
<p style="font-size: 2em; text-align: center;">27</p> <p>HAMFEST DOVER NEW LOCATION Stark County Mutual Aid Net 146.520 11:30 AM</p>	<p style="font-size: 2em; text-align: center;">28</p> <p>Sloppy Fist Net every Monday thru Friday at 9PM on 28.138</p>	29	30	<p style="font-size: 2em; text-align: center;">31</p> <p>7:30 PM QCWA (Chapter 21) Net, 147.180</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">February 02</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td>1 2</td> </tr> <tr> <td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td> </tr> <tr> <td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td> </tr> <tr> <td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td> </tr> <tr> <td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td></td><td></td> </tr> </table> </div>		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		
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**MASSILLON AMATEUR RADIO CLUB**  
**P.O. BOX 73**  
**MASSILLON, OHIO 44648**

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