



# FEEDBACK



DECEMBER 2001

VOLUME 46 NUMBER 12



## DECEMBER MEETING

The meeting will be held on December 7, 2001, a date that will live in infamy... for the members of MARC... that is! We will be meeting at the usual time of 8:00 PM at the Massillon Senior Center.

December 7, is a date that is significant to the attack on Pearl Harbor, but it is also election night at MARC. We will be electing a new Vice President (the current Vice President moves up to President), a new Secretary and new Treasurer (provided that Linda, K8MOO current Secretary and Ann N8GAF current Treasurer, do not wish to run), and one new Trustee.

According to our Code Of Regulations to be eligible to hold office in the club you must meet the following criteria. You must be a full member, at least 21 years of age, be a technician (plus) class licensee, and have been a member in good standing for at least three years. The Trustee's will conduct the election and they will have membership lists of eligible members. If you would like to nominate someone, you may do so in advance or nominations will be taken from the floor by any active member. The elections will proceed following the nominations by secret ballot. The candidate with the most votes, wins the office.

In the past election night has always been a hard decision to make because there are so many good people to elect to office. This year is no exception. There are many good people to elect that we wish we could elect them all! The good part is that we usually only will elect two people, one Trustee and one Vice President so that makes the job a little easier.

At this time we would like to thank outgoing President Don Finley W8DEF for the outstanding job he has done for the Massillon Amateur Radio Club this past year. Through his leadership the Club has enjoyed tremendous growth and financial security and (in my opinion) the best club in Stark County!. Each and everyone of us wish to say WELL DONE DON!

## - SHORT SKIP -

After a recent burglary a British ham (UHFer) submitted his insurance claim listing everything stolen, including his "microwave gear. "

After a long period of time he finally received a check for much less than expected. He was also instructed to pick up his new microwave at a large discount appliance store ! (HI)

May the eternal gift of Christmas be yours throughout the new year and beyond.

73 DE WB8OWM

## NOTICE

There will be a Trustee's Dinner Meeting on December 4th at 6:00 PM. The meeting will take place at the Grinders Restruant in downtown Massillon. This meeting is for ALL Trustee's , and ALL Officer's of the Massillon Amateur Radio Club which includes the W8NP Station Manager, Web site manager and Newsletter Editor.

## **MARC MINUTES**

### **November 2, 2001**

The November MARC meeting was held at the Senior Center with 32 members and guests present.

The Pledge of Allegiance was given and a round of introductions was made.

MARC President Don W8DEF called the meeting to order at 8:10 P.M. He then asked that the October minutes be accepted as stated in the FEEDBACK. They were accepted by Byron KF8UN and second by Jeff KC8KIX.

MARC Treasurer Anne N8GAF gave the financial report. The monthly report and the Hamfest results. She then made motion for acceptance. It was accepted by Perry W8AU and second by Byron KF8UN.

Dan N8DZM made his report of Hamfest tickets sales. The attendance was more this year than last year.

Vice President Gene W8KXR gave the correspondence report. He had newsletters from other Amateur Radio Clubs, anyone wanting to read them was welcome to do so after the meeting.

### **OLD BUSINESS**

Perry W8AU will need 14 people to help with the Christmas Parade on Sat. Nov. This year they are to line up the Parade and be Parade Marshals. A sign up sheet was passed around.

Bruce AB8FB gave an update on the new copier. It has been purchased and installed in the Shack.

Gary WC8W will hold a V.E. session on Sat. Nov. 24th. Because of our nations troubles everyone will need a photo I.D. to show proof of who they are to get into the EOC.

Perry W8AU and Don W8DEA will need operators for Massillon's 175th Birthday event. The E-COM trailer will be set up at Reservoir Park on Dec. 7th. and 8th. from 10:00 A.M. and 5:00 P.M. A sign up sheet was passed around.

Charlie KB8STV gave his report on the Emergency Preparedness training he has been working on. Anyone interested can sign up for training. He had copies of his data thus far for anyone wanting them. Don W8DEA said you must be qualified to be able to help in emergencies.

### **NEW BUSINESS**

We need to get next years Hamfest flyers ready to be taken to Ft. Wayne on Nov. 17th.

Perry W8AU will check on places for the January Banquet.

Don W8DEF reminded everyone elections will be held at next months meeting.

Byron KF8UN gave his DX report, also showing a QSL card from China.

Stan WA8NZE received the HT he won at the Hamfest.

The main prize will be held over until next year. This years winner received cash because he was not a licensed ham.

The meeting ended at 9:10 P.M. for refreshments. Then a program was given by Ralph K8HSQ.

Congratulations goes to Jules KA8MMN for winning the 50-50 for \$16.50 also a subscription for C Q .

**Minutes by Linda K8MOO Secretary MARC**



## ..... WE DID IT AGAIN ! .....

It's official - MARC beats the CARC in the annual MARC/CARC Field Day Competition for the third year in a row. The Tri-Fecta ! The official Field Day 2001 results have been published in the December issue of QST magazine and congratulations to the MARC for another fine effort during this years Field Day exercise. The official score tallied up to 5,370 points on 1,416 contacts earning us 62nd place in the Class 2A Category. This was slightly higher than our submitted score. The Canton ARC also scored a respectable 4,370 points on 973 contacts earning 91st place. As is now tradition our friends at the CARC will have the coveted Field Day Trophy revised to include this years victory and it will formally be presented to the club at our annual Awards Dinner in January. Worthy opponents, our congratulations to the CARC for another fun and exciting Field Day exercise and we wish them good luck in 2002. Organized by each club's executive board three years ago, this friendly competition was started in an attempt to motivate each clubs participation in this important summer time communications preparedness exercise. Thanks to a super effort by the members of the MARC's 2001 Field Day Team, the trophy will remain on display in the club shack for yet another year. Drop by the next club meeting and check it out !

## .... MASSILLON CELEBRATES 175 YEARS YOUNG ....

Massillon Celebrates 175 is a year-long commemoration of the cities heritage and the Massillon Amateur Radio club will help the city celebrate this very special quinquacentennial by participating in three special events. On Friday, December 7, 2001 the club will host an open house at the club shack located in the downtown Senior Citizens Center. Tours of our club shack as well as demonstrations of Amateur Radio communications will run from about noon to about 5:00 PM. On Saturday, December 8, 2001 join us as Massillon Celebrates Winterfest at Massillon's Reservoir Park on Hankins Road. The club's Ecomm 1 Emergency Communications Trailer will also be on display at the Park as well as demonstrations of Amateur Radio communications and displays of other specialized communications systems. Also occurring on this weekend we will be operating a Special Event Station from both our club shack as well as EComm 1. Help us celebrate Massillon's 175th birthday as we operate on the following frequencies, 28.350 Mhz, 21.350, 14.250, 7.250 and 3.850. A special certificate will be awarded to all confirmed 2-way contacts. Our operating hours are 1400 Zulu to 2000 Zulu both Friday and Saturday. QSL to MARC, P.O. Box 73, Massillon, Ohio 44648. Support your club by volunteering some time during this special club event.

## .... HOW DID THIS HAPPEN ? ....

An unfortunate incident occurred at the conclusion of last months club meeting and it caused an embarrassing situation to occur between Nancy Johnson, Director of the Senior Citizens Center and the radio club. Here are a couple of facts that perhaps many of you aren't aware of. Prior to each

club meeting we normally rearrange the first floor room by folding up the card tables, setting up and arranging chairs and a few other items. We make use of the kitchenette by making a pot of coffee and setting out donuts and snacks we always have for break time. We are fortunate to have these conveniences, it makes our meetings much more enjoyable. The Senior Center asks only one thing in return, leave the room exactly the way we found it. Trash cleaned up, kitchen cleaned and tables and chairs back the way they were when we first arrived. Almost since day one, this has been taken care of by a few dedicated club members to which we should all be grateful. Regretfully, last month those members couldn't stay late and it took no later than Saturday morning for the phone to start ringing off the hook. It seems the room was left in a sad state of disarray and those same dedicated club members were blistered because of it. There is no excuse for this, we are all responsible to see that the room is cleaned properly and neatly after each club meeting. This compromises our position with the Senior Center. Our ability to hold monthly meetings is a privilege provided by the city and could be revoked at any time. Now perhaps we just didn't know what was expected of us. Now we do. End of lesson.

## .... IT'S THAT TIME OF YEAR ....

One of the main reasons we celebrate together each year at our annual club dinner in January is the presentation of our Service Awards. Again this year the Executive Committee is actively seeking your recommendations for nominees for this years recipients. The club's website has complete details of the Service Awards program, check it out and give us some ideas.

Again this year I intend to setup a special holiday page on the club's website and would like some ideas of items to include on it. Holiday poems ? Songs ? Pictures ? Recipes ? What do you think ? Let me know if you come by anything interesting and I'll add it to the page.

I end out this year by wishing you all a very Merry Holiday Season and especially remembering how very fortunate we all are.

**With Warmest Holiday Wishes  
Terry - N8ATZ**



## HF over the Atlantic

Many services utilize the many benefits of HF for long range communications. The aeronautical service is no different.

All air traffic over land is handled through many hundreds of VHF transmitters (108-137MHz AM). This provides airplanes with constant communications to air traffic control towers in the United States, as well as many other countries. This system has been in use for years and is very reliable. A range of 60 miles or better can be achieved because of the airplane's altitude. Like I said before, this system works great over land, but how do transatlantic planes keep in contact?

Once the plane is 60 miles away from land all communications rely solely on HF or satellites. HF is a more practical and cost effective means for commercial aircraft to use for oceanic communications. Lots of information from weather reports, fuel reports, altitudes, flight plans and even phone patches are relayed using these HF frequencies. Yes, there are still active phone patches on HF. Due to propagation effects, frequencies used will vary according to time of day and time of year. Some active frequency ranges are: (all frequencies in KHz) 2850 – 3155, 3400 – 3500, 4650 – 4750, 5450 – 5730, 6525 – 6765, 8815 – 9400, 10050 – 10100, 11175 – 11400, 13200 – 13360, 15010 – 15100, 17900 – 18030, 21850 – 22000, 23200 – 23350. All aeronautical communications are all in USB mode.

Due to the frequently changing weather conditions, transoceanic flights often use weather stations. These stations relay weather and other important information 24 hours a day over HF frequencies. Again due to propagation, these WX stations operate in the 4 MHz, 8 MHz, 10 MHz and 13 MHz bands with powers ranging from 500 watts to 10 Kilowatts. These transmitters can make great propagation beacons for radio enthusiasts. Here are a few active frequencies. (All frequencies in KHz and in USB mode.)

Frequency	
Location	3413 Shannon Ireland
	3485
New York, Gander, Newfoundland	4722
RAF Aero Weather	5505
Shannon Ireland	6604
New York, Gander, Newfoundland	6676
Sydney, Singapore, Bangkok, Bombay	6679
Honolulu, Tokyo, Auckland, Hong Kong	6753
Canadian military WX	8828
Honolulu, Tokyo, Auckland, Hong Kong	

8957
Shannon Ireland
10051
New York, Gander, Newfoundland
11200
RAF Aero Weather
11387
Sydney, Singapore, Bangkok, Bombay
13264
Shannon Ireland
13270
New York, Gander, Newfoundland
13282
Honolulu, Tokyo, Auckland, Hong Kong

If you monitor these transmissions you may hear weird tones. These sound something like DTMF or sequential tones, but they are not. The tones are called Selcal (Selective Call) tones. These have been used since the late sixties for automatically identifying aircraft. Selcal works by transmitting two, two-tone signals chosen from a list that resides in the audio range. These frequencies are not harmonics, thereby, reducing interference. The Selcal uses Single Sideband, Full Carrier AM. These HF radios contain an USB transmitter as well as an AM receiver. The audio signals from the AM detector are connected to a decoder that uses PLL to ID the frequencies. The frequencies were chosen for their separation. For example, 160.6 Hz, the only low tones that would create this separation are Echo and Alpha. The new receivers utilize DSP decoders to decode the tones. Below is a list of the Selcal tones and frequencies.

Designator	
Frequency	
Alpha	312.6 Hz
Bravo	346.7 Hz
Charlie	384.6 Hz
Delta	426.6 Hz
Echo	473.2 Hz
Foxtrot	524.8 Hz
Golf	582.1 Hz
Hotel	645.7 Hz
Juliet	716.1 Hz
Kilo	794.3 Hz
Lima	881.0 Hz
Mike	977.2 Hz
Papa	1083.9 Hz
Quebec	1202.3 Hz
Romeo	1333.5 Hz
Sierra	1479.1 Hz

HF aeronautical radio is still one of the primary modes for oceanic communications, though it is not the only. A few of the newer systems include Satcom and digital modes. The Satcom is primarily for US military and other Government users, but does support a few larger airlines. The newer planes are not equipped with HF datalink transmitters. These datalink systems can be used over HF or Satellite systems. One of the most common digital modes is ACARS.

## IN MEMORIAM

It is with deep regret that we announce the passing of one of our former member, Mr. Frank Paprzycki, KE8G, who passed away on November 6, 2001. He was 60 years old. Frank was a long time member of the Massillon Amateur Radio Club as was his wife Gloria (Dolly) Paprzycki, KA8MNU. Dolly was a past Secretary/ Treasurer. Frank was born in Moundsville WV on February 17, 1941 and he graduated from Timken High School. He retired from the Timken Company in August 2000 after 42 years of service. Besides his wife Gloria, Frank is survived by two sons: Frank J. Paprzycki II and wife Tracy of Sebring, Oh and Donald W. Paprzycki and fiancée, Terri Perez of Canton; daughter Patricia A. Huff of Canton; 11 grandchildren. He is survived by sister Sabina and John Gawlak of Canton; brother and sister-in-law Leonard and Marsha Paprzycki of Huron Oh; numerous nieces, nephews and cousins.

Funeral services were conducted at the Reed Funeral Home and Frank was buried in Calvary Cemetery in Canton on Saturday November 10, 2001.

Each year at our Hamfest, we will always remember Frank for the fine ticket drum that he built for the Club. Frank was a dear friend and fellow Ham. We will miss him tremendously. Our deepest Sympathy goes to Gloria and her family.



I would like to thank everyone for helping me out with the loss of my dual band FT-530. If you did not know, the ribbon wire broke causing the radio to become useless. I knew it would be difficult to find another FT530 because it was an older radio. Several people recommended [www.qth.com](http://www.qth.com). This is an excellent website for all radio Classifieds. Through this website I was able to find a person that was offering a FT-530. Thanks guys for all your help.

**MERRY CHRISTMAS FROM KC8LIN AND FAMILY**

**73 until next month,  
Jason Stroll (KC8LIN)  
2001 Jason Productions**

**THE 100TH ANNIVERSARY OF  
MARCONI'S HISTORIC**

**TRANS-ATLANTIC RADIO TRANS-  
MISSION**

**December 11 - 16, 2001**

The Marconi Radio Club, W1AA and The Falmouth Amateur Radio Association Amateur Radio operators are making plans to celebrate a Marconi world historical event. December 12, 2001 will mark the 100th anniversary of the first

Trans-Atlantic radio transmission by Guglielmo Marconi. That signal was a series of " S S S " transmitted on CW across the Atlantic from Poldhu, Cornwall England to St John's, Newfoundland.

The Marconi Radio Club will be using the call sign W1AA/CC and will be operating from Cape Cod, Massachusetts, U.S.A. the location of Marconi's 1903 Trans-Atlantic radio station. Marconi's 1903 call sign was " C C "

See this link for times, frequencies and modes of operation for W1AA/CC.

<http://www.qrz.com/database?callsign=w1aa>





**ARRL NEWS****ARLD051 DX news****ARLB050 Mail disruptions lead to vanity processing suspension**

ZCZC AG50  
 QST de W1AW  
 ARRL Bulletin 50 ARLB050  
 From ARRL Headquarters  
 Newington CT November 20, 2001  
 To all radio amateurs

Recently announced changes in mail handling procedures at the FCC's Gettysburg, Pennsylvania, office have effectively halted processing of Amateur Radio vanity call sign applications. The FCC has processed vanity applications received through October 14. Vanity applications received after that remain on hold for now.

"We understand that mail directed to the FCC Gettysburg office beginning October 15 was being held pending the start of special handling precautions to address any biohazard contamination concerns," said ARRL VEC Manager Bart Jahnke, W9JJ. He said the FCC is tracking the receipt date for each piece of mail.

Because the FCC gives equal priority to paper and electronic vanity applications, all vanity processing was being suspended until the mail situation is resolved. Citing a need for heightened security measures, the FCC announced November 14 that it had moved the Gettysburg office's mailroom offsite, to the rear entrance of 35 York St, Gettysburg, PA 17325.

The FCC did not announce, however, that mail received at Gettysburg starting October 15 had not yet been opened, pending arrangements to handle it without the possibility of endangering personnel. Jahnke said vanity processing should resume once the FCC begins to open its mail backlog. Just when that might happen is not yet known. Vanity processing typically takes 18 days.

Jahnke said the mailroom situation also could affect some Amateur Radio renewals. He said amateurs who filed for renewal in a timely fashion may continue to operate beyond the expiration, if the mail delays cause the license to lapse before the renewal occurs. He said applications from those filing for renewal near the end of their two-year grace period will be accepted for processing if they get to the FCC before the grace period expires.

**NNNN  
 /EX**

ZCZC AE51  
 QST de W1AW  
 DX Bulletin 51 ARLD051  
 From ARRL Headquarters  
 Newington CT November 29, 2001  
 To all radio amateurs

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

MONACO, 3A. Laura, 3A2MD is QRV almost daily at 1300z on 10 meters CW, 1400z on 10 meters SSB and 1430z on 17 meters SSB.

ROTUMA ISLAND, 3D2. Antoine, 3D2AG/p has been QRV on 10 meters around 2000 to 2100z.

UNTAET (EAST TIMOR), 4W. Carlos, 4W/CU3FT is usually QRV on 20 meters from 1300 to 1500z. QSL via CT1EEB.

BURUNDI, 9U. Gus, 9U5D has been QRV on 15 meters around 0600 and 1100z and then on 20 meters around 1600 and 1900z. QSL via SM5BFJ.

MOZAMBIQUE, C9. Joe, C97MR has been QRV on 12 and 10 meters using CW. QSL via G3MRC.

ETHIOPIA, ET. Tsigie, ET3AA has been QRV on 10 meters SSB around 1000 and 1400z.

TAJIKISTAN, EY. Nodir, EY8MM has been QRV on 80 meters CW around 0200z. QSL via K1BV.

THAILAND, HS. Charlie, K4VUD will be QRV as HS0ZCW beginning December 4, and will be here for about 5 weeks. QSL to home call.

GUANTANAMO BAY, KG4. Clifton, N4SIA is active as KG4AS until December 5. QSL to home call.

NORTH KOREA, P5. Ed, P5/4L4FN has oral permission for now to operate while here working for the UN World Food Program. Given his work schedule, he is not very active. Any activity has been from 1400 to 1500z and from 2200 to 2300z on 20 and 10 meters, respectively. QSL via KK5DO.

MALI, TZ. Obata, TZ6TO is usually QRV on 15 meters SSB from 0700 to 1000z. QSL via JA6HGB.

MICRONESIA, V6. V63A is usually QRV on 160 meters around 1100 to 1300z. QSL via JA7AO.

CANADA, VE. The Society of Newfoundland Radio Amateurs will be QRV as VO1S from December 1 to 31 in celebration of the 100th anniversary of the reception of the first Transatlantic radio signal. QSL via the bureau.

AFGHANISTAN, YA. A number of operators are here as part of a delegation to reestablish communications for the UN and have been issued the callsign YA5T. Amateur activity is secondary to their work duties. QSL via KU9C.

THIS WEEKEND ON THE RADIO. The Tennessee QSO Party, TARA RTTY Sprint, Holiday Spirits Homebrew CW Sprint, and TOPS Activity 3.5 MHz CW Contest will keep contesters busy this weekend. The Top Band 160-Meter CW/SSB Sprint is scheduled for December 5. Please see December QST, page 98 for details.

**NNNN**  
**/EX**



**FOR IMMEDIATE RELEASE**

Michigan ARRL Section Manager Dick Mondro, W8FQT, is a dedicated University of Michigan alumnus and normally would not be caught dead wearing anything marked Ohio State University - a historic college football rival. But he must endure this photo of him in a OSU jersey, published in ham radio publications, after losing a bet with Ohio Section Manager, Joe Phillips, K8QOE, last weekend. Both Section Managers bet on the outcome of the Ohio State-Michigan football game at Ann Arbor, Michigan. OSU and Joe won by a score of 26-20 and so Joe will not have to embarrass himself in a Michigan clothing. "I can't believe have to have anyone see me in these colors," said a chagrined Dick, "now I can't wait to get back in my Maize and Blue colors and forget this ever happened."

## ARLP050 Propagation de K7VVV

ZCZC AP50

QST de W1AW

Propagation Forecast Bulletin 50 ARLP050

From Tad Cook, K7VVV

Seattle, WA November 30, 2001

To all radio amateurs

Average daily sunspot numbers were down by nearly 38 points this week over last, but average daily solar flux was about the same. Flux and sunspot values reached a minimum on Sunday, and are now increasing. Projected solar flux for Friday through Monday is 210, 215, 220 and 220.

A large sunspot (9715) with a complex magnetic field is moving to the center of the visible solar disk, with a straight shot at earth. This may cause some disruptions this weekend, although probably nothing like the severe geomagnetic storm that disrupted HF propagation last weekend. The predicted planetary A index for Friday through Monday is 5, 15, 30 and 15. 30 is quite disturbed, so Sunday may have high absorption of HF signals.

Last weekend the earth was blasted by energy from two coronal mass ejections. The mid-latitude A index on Saturday was 76, and the planetary A index was 108, indicating a severe geomagnetic storm. This caused dramatic aurora displays visible as far south as Arkansas and Texas in the United States. Take a look at [http://spaceweather.com/aurora/gallery\\_24nov01.html](http://spaceweather.com/aurora/gallery_24nov01.html) for a dramatic gallery of aurora images.

Sunspot numbers for November 22 through 28 were 143, 144, 124, 102, 122, 139 and 180 with a mean of 136.3. 10.7 cm flux was 282.5, 177.3, 173, 170, 174.8, 190.4 and 198.5, with a mean of 195.2, and estimated planetary A indices were 8, 12, 108, 8, 5, 2 and 3 with a mean of 20.9.

**NNNN**  
**/EX**



## MARC REFERENCE LIBRARY UPDATE

The MARC Library continues to grow as donations fill the shelves. Thanks this month to club friends & members Wade WD8MIU, and Mike N8AZC for providing some of the recent donations. I also need to acknowledge club members Ralph Bugg K8HSQ, and Skip Westrich WB8OWM, for their donations. Please let me know of others who have donated as eventually all will be acknowledged in writing within the Library.

We are still looking for: QST's  
Any prior to 1932  
Feb 1935  
Jan 1946  
All of 1947 & 48  
July, Aug, Sept, Nov 1969  
Feb 1971  
May 1973  
May between 1989 & 1992

'Till Next time CQ HOLIDAYS

73's Bruce AB8FB

## PARADE REST

Anyone who has marched, or endured military boot camp will remember that command. With respect to MARC's weary workers, it means we can rest after a job well done.

Parade work is something we have done for years, and while our participation in the annual Hall-of-Fame parade has been curtailed a little due to the proliferation of "commercial HT Loaners" from CCI communications in North Canton, the dependance on Amateur Radio for Massillon Christmas Parade operations is very critical.

Our local parade work has been going on for about 25 years. Initially we followed the parade organizers around and relayed their questions to other organizers, or the chairman. During those times we continually let those folks know that we were here and that we did great public service work. We had to do this because no one else knew about it!

We did our job well. In these times, there is no longer any Jaycees organization to provide all the manpower, and we now provide that. Just as well, since we were doing the job anyway. Much more efficient to have one radio operator hold the parade assignmentsheet instead of two people doing the same job.

With the "parade marshall" assignments of the last few years, we now are an extremely important of the parade. We have achieved our goal of being an important public service group in the eyes of public officials. We have done so well, that we now cannot get out of doing it! (not that we would want to...)

With a manpower assignment of 25 people (staging and parade route) we are THE most important element of the parade. The other responsibilities of sending out invitations to all parade participants and then assigning them positions in six sections is done by the Downtown Massillon Merchants

Association, which consists of two office personnel! You see how necessary we are to this event!

It has been a growing process for us and we now find that our own position assignments can no longer be done just prior to the parade, considering the size of our task. This is evident to all of you who have waited for W8AU to hand out sheets and assignments! (and waited, and waited)

Starting next year we will be asking for a permanent list of parade volunteers who will be "trained" if necessary, and have a permanent parade assignment. In this way we all can go directly to our positions and be ready to go. Much more efficient and easier on all of us.

Thanks to the following, who did an extremely good job this year...

ASSEMBLY area only: N8TZB-Saundy, KF8UN-Byron.

TRAILER team: N8ATZ-Terry, WA8GXM-Jim, KA8KJW-Mary, and Greg Ballinger, Adam Robinson, Chris Garner and Kyle Finley as Candy bearers.

TV TRAILER liaison: KC8LIN-Jason

ASSEMBLY & PARADE MARSHALLS: W8DEF-Don, K8MOO-Linda, K8CP-Les, W8DEA-Don, N8DZM-Dan, N8KXO-Bob, K1FFA-Dennis, K8RLW-Rick, KC8LYG-Rick, WA8YGR-Sam, N8LCS-Jack, KB8STV-Charlie, and W8KXR-Gene

**COORDINATOR: W8AU-Perry**

PS: if you added up this list and found less than 25 people, you are correct! We were undermanned this year..... (but not next year.....) :-)

**MERRY CHRISTMAS FROM  
ALL OF US TO ALL OF YOU**





# December 2001

## Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																				
						1																																																																																				
2 Stark County Mutual Aid Net 146.520 11:30 AM	3 Sloppy Fist Net every Monday thru Friday at 9PM on 28.138	4 Trustee Meeting 6pm	5	6 7:30 PM QCWA (Chapter 21) Net, 147.180	7 Massillon ARC Meeting Special Event Station at senior center 175th Anniversary of Massillon	8 Special Event Station at Park 175th Anniver- sary of Massil- lon see QST for details																																																																																				
9 BD KB8FFC Stark County Mutual Aid Net 146.520 11:30 AM	10	11 BD W8KXR.	12	13 7:30 PM QCWA (Chapter 21) Net, 147.180	14 West Stark Info Net 147.180 at 8:00 PM	15																																																																																				
16 Stark County Mutual Aid Net 146.520 11:30 AM	17 BD K8HSQ	18	19 Canton ARC Meeting 7:30 PM	20 7:30 PM QCWA (Chapter 21) Net, 147.180	21 West Stark Info Net 147.180 at 8:00 PM	22																																																																																				
23 Stark County Mutual Aid Net 146.520 11:30 AM	24 Sloppy Fist Net every Monday thru Friday at 9PM on 28.138	25 Christmas	26	27 7:30 PM QCWA (Chapter 21) Net, 147.180 BD WB8KEO	28 West Stark Info Net 147.180 at 8:00 PM	29																																																																																				
30 Stark County Mutual Aid Net 146.520 11:30 AM	31	<div>November 01</div> <table> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td></td></tr> </table> <div>January 02</div> <table> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> </table>					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		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
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																																																																																					
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																																																																																				