

WELCOME TO NOARS COUNTRY

1984

# K8KRG

ARRL Special Service Club

Noars Contest Station — WB8JBM

144.55 / 145.15 146.10 / .70 449.8 / 444.8

223.10 / 224.70

## NOARS LOG

Basic Amateur RTTY Freq. "BARF" - 147.555

"1983 Field Day National Champions"

4A - 5A Battery

Northern  
Ohio  
Amateur  
Radio  
Society



President	NBDSG	Bill Heitzenrater
Vice-Pres.	KBBMU	John Fakan
Secretary	KBKR	George Pindroh
Treasurer	WBBLFO	Jerry Kurucz
Trustee	KBUS	Mike Bokulich
Membership	WBDCSP	Ned Jones
10-10 Chapter	KBRSH	Chuck Early, Jr.
Repeater	WDBOTY	John Ganobcik
Winterfest	WDBADH	Norlin Downey
Roster Labels	WDBNZR	Neal Hubbard
Editor	KABRGB	Rose Heitzenrater
Public Service	KABBYU	Roy Holmes
QRZ Column	WDBPAQ	Bob Gromen
DX	K8DB	Denny Burgess
	K8BNW	Tedd Mirgliotta

Nets:  
NOARS Wed. 0100Z  
146.70

10 10 Sun. 1800Z  
28.855

Contest: Thurs. 9:00 p.m. Local  
145.15

DX: Tues. 9:30 p.m. Local  
145.15

Field Day	KWBN	Bob Hayes
	NBATR	Pete Michaelis
USS Cod Op.	WDBRZG	Don Winner
	WBQKO	Don Sealy
Contest	NBEDE	Barry Schiefelsten
Club Station	KABBWI	Jerry Ruppelt
Monthly Raffle	KABBPJ	Ray Becker
Christmas Bang	AIBV	Carol Richards
Noarsfest	AIBM	Dave Willimen
	WBQKO	Don Sealy
Programs	KBBMU	Dr. John Fakan
Club Property	WBANM	George Moringstar
Sunshine	WDBAQH	Nadya Cole

### NOARS MEMBERS WITH ARRL APPOINTMENTS

Official Bulletin Station ..... K8BNW, Tedd Mirgliotta  
 Official Bulletin Station ..... K8IQB, Lou Braun  
 Official Bulletin Station ..... K8BLH, John Scheffner, Jr.  
 DX Advisory Committee ..... K8DB, Denny Burgess  
 Contest Advisory Committee ..... K8MR, Jim Stahl  
 Great Lakes Assistant Director ..... KBUS, Mike Bokulich  
 Great Lakes Assistant Director ..... KM8Y, Cornell Varsogea  
 Great Lakes Assistant Director ..... K8YUW, Gerald Murphy

VHF-UHF Advisory Committee ..... W8YZ, David A. Smith  
 Cuyahoga County  
 Emergency Coordinator ..... WABGMT, John Iannetta  
 Lorain County  
 Emergency Coordinator ..... K8BYU, Roy Holmes  
 Ohio Affiliated Club Coordinator ..... KBUS, Mike Bokulich  
 Ohio Technical Coordinator ..... KBBMU, John C. Fakan, Ph.D.  
 Great Lakes  
 Assistant Director ..... W8LU, Ken Scheng

MARCH 1984  
A LOOK INSIDE

\*\*\* PRESIDENT'S MESSAGE  
 \*\*\* MEMBERSHIP REPORT  
 \*\*\* DX NOTE --- 1S1CK DXCC APPROVED  
 \*\*\* CONTEST RESULTS  
 \*\*\* RTTY NOTES  
 \*\*\* REFLECTIONS OF A REAL ZERO

MINUTES OF FEB. MEETING \*\*\*  
 1984 WINTERFEST \*\*\*  
 PUBLIC SERVICE REPORT \*\*\*  
 W8FR INFO-GRAM \*\*\*  
 OFF THE CUFF \*\*\*  
 FOR SALE \*\*\*

**\*\*\* President's Message \*\*\***

BOY time sure does fly, here its already the end of February, the WINTER-FEST has come and gone, the CQ WW 160 contests are now history. I wish to thank everyone that helped during the WINTERFEST, especially Norlin-WD8ADH and John-WD8OTY who spent numerous hours planning it. It was a good way to get rid of the cabin fever. Thanks one and all.

Well, listening on the 5.15 repeater it sounds like 8 land and a lot of NOARS members participated in the 160 contests. I ran across a lot of NOARS members on the band and hopefully when all the scores are in and tallied, we will once again be Victorious. Thanks to all that participated.

Hopefully, weather permitting and no drastic changes in their schedule, the FCC is scheduled for the March meeting and they should have their monitoring van with them. Looking ahead there is going to be a program on Home Computers and the ham shack, NOARS contest station slide show along with slides of the COD adventure, field day planning, NOARSFEST planning. Speaking of the NOARSFEST many thanks to Dave AI8M, and Don-W8QKO, for volunteering to chair the NOARS-FEST. I'm sure they will make it a good one. Anybody with any information or leads on possible future programs contact Dr. John, KB8MU or myself.

I'm looking forward to the CQ WPX contest's coming up in late March and May, hope to hear a lot of familiar calls in this one. Looking thru CQ magazine I found that we had quite a few NOARS members with some really fantastic scores, be sure and check out the NOARS Contester in this issue.

I wish to thank Fred-W8FR for his participation in supplying us with his Infograms which contain some very interesting information and I'm looking forward to seeing further articles from Fred, Thank - You. Also Roy-KA8BYU has agreed to keep us informed in monthly articles on the Public Service scene. Thank - You Roy.

Bob-WD8PAQ who does our QRZ column is recovering from a accident and was unable to do a column for this issue. We wish Bob a speedy recovery.

Here's looking forward to seeing you at the March meeting.

73,

Bill-N8DSG

**JOHN GANOBCIK**                      **WD8OTY**  
**SAFES - LOCKS - MASTER KEY SERVICE**

**GANOBCIK**  
**SECURITY SERVICE CENTER**  
**BURGLAR AND FIRE ALARMS**

**2201 BROADWAY**                      **LORAIN, OHIO**  
**PHONE 244-3221**                      **NIGHT 988-8755**

**W8QKO**

**QUACKO ENTERPRISES**  
**CUSTOM ENGRAVED SIGNS**

**DON L. SEALY**  
**(216) 288-4949**

**442 FLORIDA AVE.**  
**LORAIN, OHIO 44052**

# Northern Ohio Amateur Radio Society

P.O. Box 354 - Lorain, Ohio 44052

"1983 Field Day National Champions"

4A - 5A Battery

February 1984

The regular monthly meeting of the Northern Ohio Amateur Radio Society for February 1984, was held at Gargus Hall, Lorain, Ohio on Monday, February 20, 1984. With 77 members and 7 guests in attendance, club President Bill Heitzenrater, N8DSG, called the meeting to order at 8:02 PM. The first order of business was a general introduction of all officers, members, and guests in attendance. The Secretary's report was read and amended. Don Sealy, W8QKO, was to be added to newly formed Constitution Committee and Bill Heitzenrater's address was corrected to read 1211 Euclid Ave. Lorain, Ohio, to amend January's minutes. Jerry Kurucz, WB8LFO, our club Treasurer gave a financial report from January 17, 1984, thru the meeting night date of February 20, 1984. A balance of \$2412.13 was reported. The Treasurer's report was accepted unanimously.

## COMMITTEE REPORTS

### Entertainment:

Dr. John Fakan, KB8MU, reported on scheduled entertainment for the next three coming meetings. A demonstration given by the Federal Communications Commission will be the entertainment for the March meeting; slated for the April meeting will be a discussion of computer applications in amateur radio; Slides of our USS COD operation will be shown at the May meeting; June's meeting will be the final preparations for field day. Dr. John reported that the FCC were not able to make February's meeting as scheduled because of the national holiday observance of President's Day.

### Membership:

Ned Jones, WD8CSP, emphasized the importance of making out membership forms correctly when making them out for a friend. Ned also reported that the ARRL expiration date on the membership form was also most important. There were a total of 451 members paid up as of meeting night-424 full members, 21 associate members, and 6 unknown members.

### Repeater:

John Ganobcik, WD8OTY, updated the club on repeater activities. He reported the 145.15 repeater will be updated with new equipment.

### Contest:

Barry Schieferstein, N8EDE, reported on the club's contest activities. Barry reported that the Cuyahoga club which currently sponsors the Ohio QSO Party still wanted to maintain that sponsorship. Possibly, an 8-Land QSO Party could be initiated.

REPORT OF THE 1984 WINTERFEST COMMITTEE

The Winterfest is now past history and from those of us that were involved in it's operation we would like to thank those who so kindly gave of their time. Whether or not it was a success depends on your point of view.

If you were looking for an opportunity to enjoy a midwinter day among other hams while browsing thru our limited flea market then it was a success. The food was good, the turnout was moderate and some good deals were made.

Because of the nature of the Winterfest it has been suggested that next year we might try starting at 9:00 a.m. and ending at 2:00 p.m. If anyone has any ideas along these lines it would be appreciated if they were passed on to the committee so that we might have the opportunity to improve the Winterfest.

The first prize winner was KA8BWI, Jerry who selected the Icom 4AT. Second prize, the 12" B & W TV was won by KA8OOH and the third prize was won by Kathy Jones.

Much appreciated door prizes were donated by the following: ARRL in addition to the fine handouts gave us 19 different publications, Jerry K8YUW of Murphy Electric donated 2 smoke detectors, EL-A-CO Electronics gave 1 telephone, Ganobcik Security gave a porta-lock and a padlock and the Mansfield Hamfest Committee presented us with 10 tickets to their Mid\*Winter Hamfest.

A special thanks to all who helped including the following: N3CHK-Larry, WD8NZR-Neal, K8TV-Ken, KA8ICM-Bob, KB8SO-Tony, N8DIW-Gary, Ann Bittner, WB8LUT-Marilyn, WD8CTE-Army, W8LYY-Bud, KA8BWI-Jerry, KA8RJD-Glenn, KA8SLY-Glenn, K8US-Mike, N8DSG-Bill, WB8HMI-Dick, A18V-Carol and KB8AK-Pat.

73's  
 WD8OTY-John  
 WD8ADH-Norlin

INCOME		EXPENSES	
Tickets & Tables	\$1,088.75	Beer (including keg deposit)	\$ 71.10
Bar	130.15	Soft Drinks	30.90
Return of Keg Deposit	20.00	Donuts	57.50
Kitchen	386.65	Buns	15.75
Return of Unused Meat	12.90	Sourkraut	2.50
Pony Keg Receipts	26.50	Misc. Groceries	42.55
		Meat	87.90
		Printing	35.00
		Gargus Hall (rent)	400.00
		First Prize-4AT	253.15
		Second Prize-TV	60.00
		Third Prize-(in lieu of ant.)	35.00
Total	<u>\$1664.95</u>	Total	<u>\$1091.35</u>

Income less expenses equals \$573.60



Respectfully submitted

Co-chairman John Ganobcik and Norlin Downey  
 WD8OTY WD8ADH

# Northern Ohio Amateur Radio Society

P.O. Box 354 - Lorain, Ohio 44052

"1983 Field Day National Champions"

4A - 5A Battery

## Winterfest:

Norlin Downey, WDBADH, reported on the very successful February 5th Winterfest. A profit of \$564.10 was reported made at this event.

## DX:

Tedd Mirgliotta, KB8NW, reported on the coming DX expeditions coming up. Tedd reported Cocos Island, (TI9), and Kermadec Island, (ZL), possibly on the air in March.

## NOARSFEST:

Dave Willemin, AI8M, and Don Sealy, W8QKO, brought the club up-to-date on plans for the coming Noarsfest in July. Dave reported there was a need for a PA system and also for some speakers which could be used outdoors. Other plans for this event were reported to be coming along just fine!

## Sunshine:

A sunshine committee report was given by Ford Cole, N8ARA, in the absence of his XYL Nadya. Ford reported that Lou Braun's (K8IQB) XYL was scheduled to go into the hospital. A NOARS PR package was sent to Jordan's King Hussein, JY1, who was visiting Cleveland Clinic for medical tests. NOARS President Bill Heitzenrater, N8DSG, delivered the package enduring strict security precautions at the Cleveland Clinic. It was promised by the security people that the King would receive the PR package.

## COD:

Don Winner, W8RZG, passed around a three page article on the COD and reported The ARRL would be printing it in May's QST. It was not known how much of the article would be edited from the original written by the club's Secretary. Don also reported that a long distance telephone call to Australia to NOARS member Jim Davis, VK7OW, in order to obtain a release on the copyrighted photo possibly used in the printing in QST, was made by club Secretary, George Pindoh, K8KR.

## Emergency Coordinator:

Lorain County Emergency Coordinator Roy Holmes, KA8BYU, reported on amateur radio involvement in the Bay Soccer Club tournament in June or July and with the March of Dimes collection. He also updated the club on disaster plannings for Lorain County.

# 1984 WinterFest



ANNIE BITTNER &  
JOHN - W80TY  
GETTING THE LUNCH  
READY.



SOME OF THE 300+  
THAT ATTENDED, WHAT  
A GOOD WAY TO MAKE  
A LOT OF NEW FRIENDS!!



# Northern Ohio Amateur Radio Society

P.O. Box 354 - Lorain, Ohio 44052

"1983 Field Day National Champions"

4A - 5A Battery

## OLD BUSINESS

NONE

## NEW BUSINESS

Ned Jones, WD8CSP, made a motion that the club purchase a video tape of Dr. Owen Garriot's historical ham radio linkup aboard the December shuttle flight. He reported that it would cost the club about \$35.00 for a VHS format video recording. The motion was seconded by Roy Holmes, KA8BYU, and passed unanimously.

## MISCELLANEOUS DISCUSSIONS

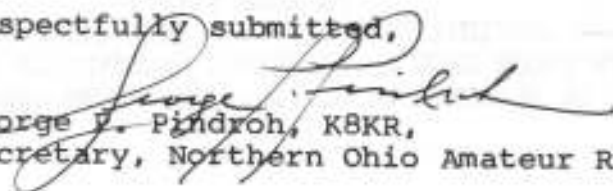
- 1-Don Winner, WD8RZG, discussed his BARF board on 147.555 Mhz.
- 2-Ex-President Mike Bolulich, K8US, presented Lyle Vanhorn, KA8BQY, with a President's Award for his fine work serving food during last year's Field Day.
- 3-NOARS Secretary, George Pindroh, K8KR, reported that NOARS members should try to remember the fine folks at Gargus Hall when looking for a place to hold a family or business event. He mentioned a bigger savings can be obtained when booking the hall during the week.
- 4-Pete Michaelis, N8ATR, reported that members should take advantage of the two multi-op events coming up at the contest station, WB8JBM. One being the PX Contest coming up and the other the ARRL DX Contest.
- 5-Club President, Bill Heitzenrater, discussed the dates the NOARS log will be printed.
- 6-Jerry Ruppelt, KA8BWI, was presented with an ICOM IC-4AT as main prize of the February 5th Winterfest. Our Winterfest Committee member John Ganobcik, WD8OTY, made the presentation.

## RAFFLE PRIZE WINNERS:

- 1-Dennis Hildebrandt, WB8WAA, won a speech processor
- 2-Jerry Ruppelt, KA8BWI, won a callbook
- 3-Jerry Kurucz, WB8LFO, won a pair of passes to the Avon Lake Theater

the meeting adjourned at 9:32 PM

Respectfully submitted,

  
George P. Pindroh, K8KR,  
Secretary, Northern Ohio Amateur Radio Society

# Northern Ohio Amateur Radio Society

P.O. Box 354 - Lorain, Ohio 44052

February 20, 1984

## Membership report:

1) When filling out the NOARS application please fill it out completely.... If there are any changes please state what is changed and please list the old and the new and mark it clearly. When renewing your dues please mark the ARRL space with NO or expiration date, or a mailing label from the cover of QST.

2) The 1984 Roster has 1983 members also listed. If someone you know is on the 1984 Roster and is not receiving a news letter they have not paid their 1984 dues. If there are any questions please contact me and I will check the records. There may be some errors due to my eye surgery at the beginning of this year.

3) A.R.R.L. Membership will be taken by the membership chairman, when you pay your A.R.R.L. dues through the Club, the Club is permitted to keep a portion of the dues.

4) Membership stands at 662, of which 445 are paid up for 1984, 237 are unpaid. There are 34 associate members of which 20 are family members. There are Two(2) life members, and 5 honorary members.

Ned Jones-WD8CSP  
Membership Chairman

DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES  
DUES DUES  
DUES Here it is March Already and there is still quite a few members DUES  
DUES that haven't renewed yet. GEE'S, dues are only \$5.00 per DUES  
DUES year!!!! A pretty good deal I think. With the computerization DUES  
DUES of the club membership you can pay more than one year in advance DUES  
DUES IF YOU HAVE 3 RED \*\*\* ON YOUR MAILING LABEL CHANCES ARE YOU DUES  
DUES HAVEN'T RENEWED YET, AND THIS MAY BE YOUR LAST ISSUE. WON'T DUES  
DUES YOU PLEASE RENEW BEFORE THE NEXT ISSUE !!!! DUES  
DUES DUES  
DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES DUES

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### DX NOTE !!!!!

SPRATLY ISLANDS --- CONFIRMATIONS RECIEVED FROM ISICK WILL BE CREDITED FOR  
DXCC BEGINING WITH THOSE DXCC APPLICATIONS RECEIVED ON AND AFTER FEBRUARY  
1, 1984. ARRL DX BULLETIN NR 9..... de KB8NW OBS





# Public Service

I would like to Thank all of the hams who's participation in the March of Dimes Mothers March money pickup made it a safe and well run operation. I quote Denise Birchard the coordinator "Its always nice to be able to rely on such a well organized group, please extend our Deep Appreciation to those who participated in the pickups, this years mothers march was a huge success. Thanks NSARA, W8QKO, A18M, WD8BJY, N8CDN, WD8JJE, WD8OCS, KA8DAE, WA8UGC, NSATY, WD8GHC, W8KRF, WD8OTY, & K8HLJ."

I would also like to thank all who were involved in the Disaster Drill at Elyria Memorial Hospital on Dec. 8, 1983. The assistant administrator Dave Slabodnick said that "We continue to find out that the assistance of Amateur radio operators in a disaster situation is indeed invaluable." I would like to thank Bill N8DSG, and the club for the use of the 444.8 uhf repeater. It proved it will work well over the hospital for communications.

The first meeting for 1984 of the Lorain County Disaster planning committee was held Monday Feb 13th. Discussion was started on a mock disaster for 1984. Details will come in future reports.

There will be a SkyWarn meeting on March 11th at 1:30 p.m. at NASA Design and Engineering Building, 21000 Brookpark Rd. All who can attend should do so.

There will be an Easter Seals Walkathon on May 6th in the Elyria area. We will need at least 12 Hams on duty at intersections at all times. Any assistance that day would be helpful, contact Terry-N8CDN if your available.

## PUBLIC SERVICE TIP

If you should stop to help a disabled motorist on the highway, Do yourself a favor, use the radio and let someone know about it. DON'T be a Victim of an accident. Protect yourself first!!!

73, Roy-KA8BYU



THE WINTERFEST  
Norlin WD8ADH, Jerry  
KA8BWI the proud winner  
of 1st prize, John  
WD8OTY.





# Public Service

## THE NOARS CONTESTER

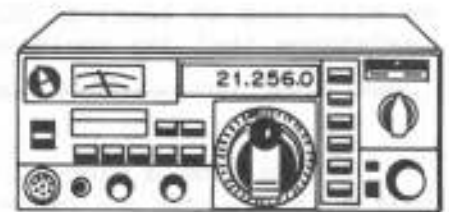
# RESULTS OF THE 1983 CQ WORLD WIDE WPX S.S.B. CONTEST

### SINGLE OPERATOR NORTH AMERICA

NBH	A	2,385,061	1723	660
KGBN	*	1,808,899	1523	261
K0BT	A	1,477,408	1312	348
KZBY		358,070	523	305
KVGV	*	279,506	433	288
NVICX		224,190	431	265
NBRTU		222,453	416	231
ANS		169,104	408	271
WBUPH		152,292	234	188
WFDN		124,845	280	205
KBDV		91,176	237	174
NBTN		87,042	251	178
KCRU	*	75,143	202	162
NREKS		67,473	187	147
N8W		65,400	232	184
KASHDR		46,544	199	138
KW8M		44,100	192	140
WQVEN		25,875	139	115
KROD		17,052	116	115
KBKUH		11,850	100	78
ACRW		8,586	78	67
NBDH		2,700	54	45
W8PAP	*	25,872	128	112
W8DW		20,880	99	87
KW8E		18,128	106	88
K8ED9		2,810	31	30
K8VY	Z1	676,860	745	288
K8LZ		125,251	251	200
K8RWS		70,070	187	154
W8LU	14	841,563	798	438
88NA	T	212,544	264	288
K8LH	*	164,932	480	227
W8MZ		60,114	148	129
W8VZ		50,344	132	118

### STATION OPERATORS MULTI-OPERATOR SINGLE TRANSMITTER

N5AU: K5ZD, KM5X, K5MR, K5FUV, W6SVZL, AJ60 & N5FA, AA6RX, WA6GTU, KE6EL, KW8N & NBATP, NR0MM, KCRMK, KCRXK, W6CAR, NR0TE, NR0CL, W0WLP, K8KPS, NR0IU, KV8M, K8TH & K9ZO, KTAS, AK6A & NBAD, NBVR, W6TNS, KB6PE, K8VOY, KA7EST, N3BB & W6JRU, KKS8 & N5CG, N5MF, K7CW, KD5BJ, K8SA & K8YO, A19F, K8ZMG & KA2MNJ, KC2RD, WA2UY, KA2DLE, N2AZM, KA2MYJ, KA2IFM, N5GG & KA6LAF, AA6T, W2AZ0 & N2ECO, W70G & Club, K8OP & K8BR, W8H8H, K88UF & NBCKT, KKZE & N2COM, KA2MDZ, KK2P, W82ENW, W82DEL, WA2URT, K2NQ, W82RYU, KA2BPD, N2DMO, K8BAX & K8888, NR0CH, K88GV, W9J00 & WA9PL, K8HYH, N8OH & N7NR, NR0J, KA6FB, K890 & K89VY, K8HHC, KC1XM, N86ZJ, WA9SD, W8AWN, K8TP & KA2AJZ, AC8E & XY1, KA8CFI, N80PC, K87B, K7LXC, K7H8N, K87RN, VP2EC: N5AU, KC5EA, HH7WV, NX4N, N4SA, KD4FX, N4WW, VE1DXA, VE1AE, VE1AH, VE1CG, VE1MX.



# Results, Seventh ARRL EME International Competition

### 144 MHz Only

WA1JXM	528,900	134	129	41-A
W5UV	933,100	129	129	38-A
SM2GDF	467,400	129	123	38-A
SM7BAE	367,500	107	102	38-A
YU3UR	395,200	121	107	38-A
WA4NJP	357,200	94	94	38-A
K88RQ	290,500	83	83	25-A
YJ3ZV	261,800	77	77	34-A
SM5PHH	244,200	79	79	31-A
OH7PI	163,000	61	61	30-A
SM4VE	162,900	59	59	31-A
SM4GVF	167,400	54	54	31-A
FG6JE	156,800	56	56	28-A
K1FO	156,000	67	60	25-A
W7UV	134,800	56	48	25-A
KX80	117,000	45	45	26-A
88MYC	115,100	43	43	27-A
DJ5DT	100,000	50	40	25-A
UA1ZCL	96,400	41	41	24-A
OK1MBS	83,000	36	36	25-A
J4SDR	80,000	40	40	23-A
V32ME	86,400	41	36	24-A
OK2TU	81,800	34	34	24-A
UA3TGF	66,300	65	33	21-A
W8LU	60,000	48	30	20-A
K20G	45,400	39	26	19-A
WA6ZHE	42,500	25	25	17-A
040ZU	38,200	30	22	18-A
W868K	34,500	38	23	15-A
SM5CFS	28,500	19	19	15-A
Z86AVL	25,200	18	18	14-A
N8AMG	25,200	18	18	14-A
R66DX	23,900	23	17	14-A
W8RYH	23,400	24	18	13-A
OH5Y	22,100	17	17	13-A
WA4CG	22,100	17	17	13-A

W7H4H	18,800	14	14	12-A
DL2OM	15,400	32	14	11-A
GM4PR	15,400	28	14	11-A
LX1GR	15,000	15	15	10-A
DK4MM	14,300	30	13	11-A
W8PAT	13,000	24	13	10-A
K5CC	12,100	11	11	11-A
OK1KRA (OK100, opt)				
	12,000	25	12	10-A
K2QR	12,000	12	12	10-A
WA3DJG	7200	9	9	9-A
PHI (FEDRO, opt)				
	7000	29	10	7-A
K5WE	7000	10	10	7-A
GW3NYV	5400	14	9	6-A
OZ1ASL	4800	8	8	6-A
VE9EG	4800	8	8	6-A
GA3ADW	4200	25	7	6-A
K8RX	4200	12	7	6-A
K3MD	4200	10	7	6-A
K8H	4200	7	7	6-A
W2CNS	3800	6	6	6-A
W7D	3600	5	5	6-A
W8COR	3600	5	5	6-A
K7KDT	3000	6	5	5-A
K18KK	2900	7	7	4-A
X228C (W8HMT, opt)				
	1900	8	4	4-A
W8U8B	1800	7	4	4-A
W8ART	400	2	2	2-A
GM4JJ	100	15	1	1-A
SM3LBN	100	1	1	1-A

### 432 MHz Only

### Calendar of Events

Mar. 3	DARC "Corona" 10 M. RTTY	Mar. 17-18	Kentucky QSO Party
Mar. 3-4	ARRL DX Phone Contest	Mar. 23-25	OOTC Phone QSO Party
Mar. 10-11	QCWA Phone QSO Party	Mar. 24-25	CQ WPX S.S.B. Contest
Mar. 10-11	IARS CHC C.W. Contest	Mar. 24-26	BARTG RTTY Contest
Mar. 10-11	RSCB Commonwealth Contest	Mr.31 Apr. 1	Connecticut QSO Party
Mar. 10-12	Virginia QSO Party	Apr. 7-8	DX-YL to N.A./YL C.W. Contest
Mar. 11-12	Wisconsin QSO Party	Apr. 14-15	DX-YL to N.A./YL S.S.B. Contest
Mar. 17-18	Bermuda Contest	Apr. 21-22	ARCI QRP C.W. Contest
Mar. 17-18	YL ISSB C.W. QSO Party	Apr. 28-29	Massachusetts QSO Party
Mar. 17-18	IARS CHC S.S.B. Contest	Apr. 28-29	King of Spain Contest
Mar. 17-18	G-QRP Club Activity	May 26-27	CQ WPX C.W. Contest
Mar. 17-18	Tennessee QSO Party		

# ---- THE NOARS DXER ----

When I heard last night from the ARRL DX bulletin that 1S1CK was now acceptable for DXCC credit I must admit to feeling satisfied. Sincerely, I do not want any thanks nor am I relating this to boast. What I do wish to note though, is this situation again exemplifies the fact that when one feels that they are right (assuming that a sincere attempt is made to evaluate the facts on both sides of the issue) no matter how much pressure direct and indirect is applied, stick to your guns and press on. When I began my campaign to correct the very obvious inconsistencies in various DXCC procedures, I realized just how fleeting support can be. All of those involved in my appointment walked away stating that the system was fine - don't make waves!

Unfortunately, I felt to the contrary. I felt that I had grass roots support even though many were unwilling to stick their neck out. When K5YY, the DXAC Chairman W0SR, and other DXAC members began to see that my thoughts were hard to discredit, slowly but surely support began to build until the vote was 15 to 1 in your favor. I say your favor because the potential for glaring inconsistencies will be diminished in the future.

Basically what occurred was that the accreditation procedures were essentially in the hands of one individual who depending upon who the DX operator was, said OK or NIX based upon personal feelings and not the stated required factors and documents. Even now the ARRL still takes the position that it will not disclose what documents were supplied for various DX operations because it "may be dangerous or is classified information" - a position which is OK for the CIA but not for a hobby! I believe that the real reason is because disclosure will reflect the assumed inconsistencies.

At any rate, we - all DXers won! The system should be better in the future. Documentation requirements will be published in QST and/or available, in writing, upon request.

There is no system that can not be improved! I have always felt that when honest questions of a program cause tremendous uproars and pressures to shut up that there is, for sure, room for improvement - especially when many of those who apply the pressure are well aware that they have gained as a result of the prior system and would be unwilling to resubmit their cards according to the new rules lest they lose some of their credit.

Fellow DXers, if in the future you feel that something should be changed or considered look at both sides of the issue and press on if you feel that you are correct. I wish to thank all of those who took the time to write the DXAC with their feelings both pro and con!

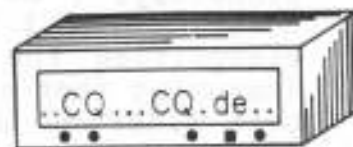
These are my views and not necessarily the views of the DXAC.

K8DB Dennis Burgess 3/2/84

# K8KRG Northern Ohio Amateur Radio Society



## RTTY NOTES



BASIC AMATEUR RTTY FREQUENCY "BARF" - 147.555 SIMPLEX

THERE'S BEEN SOME NEW CHANGES MADE IN THE BARFBOARD SYSTEM AS OF 02/19/84 - TAKE A LOOK AT NEW HELP COMMAND - "RZGZB HELP RZGZE"

### "THE BARFBOARD SYSTEM"

TO START UP SYSTEM USE:

WDBRZG DE (YOUR CALL) RZGZS

FOR A "LIST" OF MESSAGES ENTER:

RZGZB LIST RZGZE

TO "PRINT" A MESSAGE ENTER:

RZGZB PRINT (MESSAGE NO.) RZGZE

TO "STORE" A MESSAGE ENTER:

RZGZB STORE (TEXT OF MESSAGE) RZGZE

NOTE: THE FIRST 28 CHARACTERS WILL APPEAR IN THE LIST OF MESSAGES ON FILE

TO "REMOVE" A MESSAGE ENTER:

RZGZB REMOVE (MESSAGE NO.) RZGZE

FOR "BARFISMS" ENTER:

RZGZB BARFY RZGZE

FOR A "PIX LIST" ENTER:

RZGZB PIX LIST RZGZE

TO "PRINT A PIX" ENTER:

RZGZB PRINT PIX (IDENT NO.) RZGZE

TO "CHANGE SPEEDS" (45,75 OR 110 BAUD) ENTER:

RZGZB CHANGE (BAUD NO.) RZGZE

NOTE: 45 BAUD BAUDOT (60 W.P.M.)

75 BAUD BAUDOT (100 W.P.M.)

110 BAUD ASCII

TO "ECHO" A MESSAGE ENTER:

RZGZB ECHO (TEXT OF MESSAGE) RZGZE

NOTE: WITH THE "ECHO COMMAND" THE TEXT YOU SEND WILL ECHO OR REPEAT IT SELF ON THE NEXT TRANSMISSION FROM THE SYSTEM. SUCH AS A TEST FOR YOUR SELF, OR WORKING A STATION THAT YOU CAN'T HEAR BUT THE SYSTEM CAN..... ECT ???

PLEASE USE FOUR 4 N'S (NNNN) TO RESET SYSTEM..

THE SYSTEM IS USER FRIENDLY AND OPEN TO ALL AMATEURS

IF YOU HAVE ANY QUESTIONS PLEASE GIVE ME A CALL.

HAVE FUN USING THE SYSTEM!!! DON, WDBRZG....

# Northern Ohio Amateur Radio Society

## Off The Cuff

In the spirit of amateur radio this short article will appear in each monthly newsletter and mention those little things we sometimes forget as we progress in the hobby. Comments made will not be directed at any individual, but to the amateur community as a whole.

I suppose you could say I nearly love this hobby. That's not to say it can take the place of lifes essentials, though my wife sometimes thinks it can. The thing that bothers me is I, like so many other amateurs tend to sit back, put my feet up and become an arm-chair quarterback.

Maybe one of the best examples of what I mean can be found on the low bands. Take a DX expedition for instance; a group of people spend years of planning along with a ton of money to put some obscure country on the air just to have half the amateur world complain about how they operate, and anything else not to their liking. A little closer to home yet just as vocal is the self-appointed technical committee that always seems to find fault with the local repeater, but never volunteers to help when a work party is being formed.

I guess what got me thinking about this subject was the comments made by various arm-chair quarterbacks on area repeaters Sunday afternoon following the NOARS WINTERFEST. Now I'll be the first to admit I don't know anything about putting on a gathering of that type, but I do know there had to be a lot of hard work involved. Rather than lamenting about what was wrong with the activity and discouraging others from attending next year, we should resolve to get involved to make it bigger and better in 1985. That's what I'm going to do!!!!

73



TERRY E. RIEGER W088KH	
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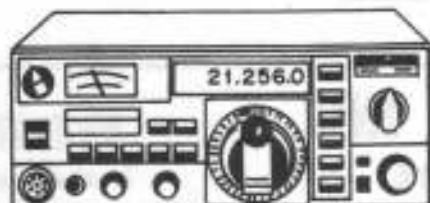
# W8FR, Fred Race, InfoGram

This is the first of a series of helpful projects for the ham community involving antennas, operating techniques, & 160/80 meter special projects. Most of the topics have been tried and proven through actual operating experience by myself and other special interest hams. Of course the topics will be in language and format readily understood by the beginner and old timer. Now, for this month's topic: THE SHUNT-FED MARCONI.

I have always been a believer in propriety, and I approach my antenna projects with that same attitude. The system includes the feedline(s), matching device(s), and radiator(s). I shall attempt to explain the factors that play important parts in the establishment of a good system using the basics.

First, we shall deal with the antenna description. A Marconi is a one quarter wave radiator that exhibits low feedpoint impedance. Hence a current maximum at the feedpoint. Since current is the agent that radiates, we have some basic considerations to address. Our maximum signal/power point is right at the antenna end of the feedline or the output of the tuner. If you bring the end of a quarter wavelength ( $246/f\text{MHz}$ ) into the shack, you must realize that the signal maxima is literally in your shack/house. This certainly cannot be the optimum situation for the most important part of the system! Never the less, it happens all the time, since the tuner has almost become a necessary addition to the shack. So, the first task is to get the input end of the antenna outside where it belongs. When dealing with Marconi's,

Second, we must consider the ground/earth situation/condition. To be an effective radiator, the Marconi must be referenced to an image of itself (the other half of the dipole) and that half must offer minimum resistance, or else it will dissipate the power, rather than allow the actual antenna to radiate. For example, let's presume the radiation resistance of the antenna radiator is 50 Ohms. Additionally, the earth/ground resistance is 50 Ohms. The result will be that 50% of the power delivered to the feedpoint will be lost/dissipated in the ground resistance. You must consider the ratio that exists between the radiation resistance and the ground resistance. Current through the ground resistance is a loss. For instance, if the ground resistance were 100 Ohms the ratio would be 1:2 (50 Ohms radiation resistance and 100 Ohms ground loss). Subsequently, 66% of the power delivered to the feedpoint would be dissipated in ground losses, while 33% would be radiated. If the ground resistance were 1 Ohm or less, you would notice little loss/dissipation in your ground system. Well, that's just plain old Ohm's Law. I squared Times 1 equals Whatever I squared Is.....Right? So you must realize that a good earth/ground reference is necessary. This is most important if you are to enhance the image antenna with radials. Remember, radials are only as good as the ground to which they are attached.



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When choosing a ground, pick a good reference like a well casing, a window-well to a basement window, or preferably construct/develop a good ground at your proposed antenna site/feedpoint. Installation of rods/pipe or a method I used in Hawaii the tin'oil ground! Yes, good old Reynolds Wrap can be installed below the feedpoint by lifting the sod to a depth of about 6 inches over at least a  $\frac{3}{8}$  square foot area (6' by 6'). Pinch-bond the lengths of aluminum foil together and bring up a pig-tail through the replaced sod. Your XYL will think a lot more of your antenna installation too!! The radials should be insulated, they have the same current and voltage characteristics as the radiator. Therefore, the far end will exhibit high voltage which should not be leaked through the soil. Never tie the ends of radials (quarter wave) to ground. This shorts the system.

Third, and very important, is the system matching considerations. The textbook Marconi, in a vertical configuration, presents 35 Ohms radiation resistance at the feedpoint. To incorporate that handy coaxial cable (50 Ohms), you must utilize some sort of high-to-low (hi-z coax to low z antenna) matching device. You may ask why they use the match in a 1.5:1 SWR situation (35 Ohms vs. 50 Ohms)? Well, that 15 Ohms of reactance we are looking into (since the line is not seeing 50 Ohms, it will become reactive) will return power to the source. That's right! Basic AC theory tells you that power cannot be dissipated in reactance, therefore, it is returned to the source (in this case, the transmitter). When this happens, it is again returned to the antenna back down the feedline, whereupon it is again returned to the source! You say so what's the problem, it will eventually be radiated (like someone proposed in an article some time back). Well, that's incorrect, it will be dissipated in the actual Ohmic resistance of the feedline and tank circuit, not eventually radiated. This is basic electrical theory: check your books about reactance!

The match can be accomplished with an L-network or the method I prefer, the classic shunt feed using a coil to ground. Use an inductor  $2\frac{1}{2}$  to 3 inches in diameter, 8 to 10 turns per inch. This is coil stock common in Ham stores. The center conductor of the coaxial feedline is tapped up from ground on the coil at a 50 Ohm point. The optimum situation is achieving a coincidental feedpoint: Top of coil and bottom of antenna. This is the same point in the circuit as in figure A. While figure B depicts turns above the feedpoint to cancel the capacitive reactance of a short radiator. See both figures below.....

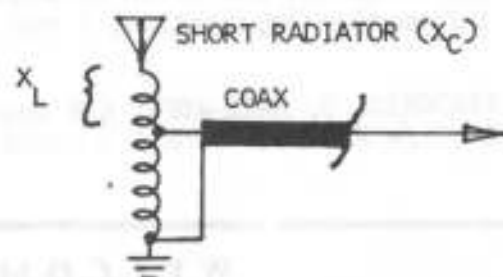
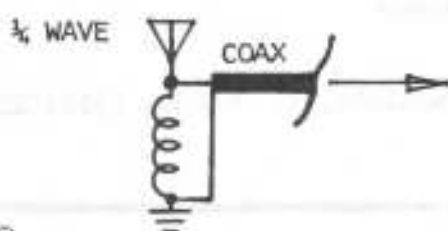


FIGURE A

FIGURE B

What about adjusting the length of the antenna to overcome this inherent 1.5:1 SWR we encounter with a proper quarter wave (Marconi) radiator? Bad mistake! Again we are creating a reactive feedpoint (35 Ohms radiation resistance plus 15 Ohms reactance equals 50 Ohms). This will surely look like 50 Ohms to the SWR bridge and present a 1:1 reading. The VSWR bridge cannot determine the difference between resistance and reactance, therefore, the VSWR bridge gets the proper voltage ratio (drops) to give you the false 1:1 reading.

Two ways to identify this impropriety are to check the positions of the load controls on the tube-type rig and tuner for solid-state rigs respectively, when loaded into a 50 Ohm dummy load device. When tuning-up use the same frequency as the proposed antenna system. Load position should be noted in either case (tube or solid-state tuner). A true 1:1 reading will be afforded.

Now, tune-up into your antenna system. If the position of the load controls has shifted (up or down) the load is reactive. you have probably determined that the settings you arrive at on the transmitter or the tuner can be used as a reference as well as an indicator of system improprieties. Begin with this procedure and always use an electrical half-wave feedline (or multiple thereof) between the source and the load, even if the load is very close to the source. This feedline is a 1:1 balun or repeater. It will repeat the load impedance of the antenna at the source end of the feedline. The line length is computed by using the formula:  $(492/f\text{MHz})$  times (velocity factor of the feedline) equals the electrical half-wave line. An antenna noise bridge or VSWR bridge can be "believed", if you use the previous information/instructions to match your antenna system.

There are numerous ways to incorporate your Marconi. These include the standard vertical, the inverted-L, and the so-called sloper. If your going to install the vertical, be sure you get it away from structures and natural occurring structures (trees/bushes etc.). The inverted-L should be erected in the vertical plane as much as possible. However, it is not the most important consideration. My own inverted-L's are only 14 feet in vertical and I have little trouble in working the world on 40/80/160! The match and ground resistance are the most important for any of the configurations. The sloper should also be matched at the feedpoint. Make the radiator textbook length  $(246/f\text{MHz})$ . Then, use a matching device at the feedpoint on the tower to eliminate the reactive component in the feedpoint impedance. Slopers really do work well when the power delivered is actually radiated!

Next month the Hertz antenna and the various considerations you must address when incorporating this groundless antenna will be discussed. I hope this Infogram has been of interest to you and has answered and clarified some of the numerous, and often debatable, questions on the subject(s). For further information/explanation, I can be reached as follows:

FREDERICK C. RACE-W8FR, 676 Quail Creek Drive, Grayslake, IL 60030, (312) 223-4067.  
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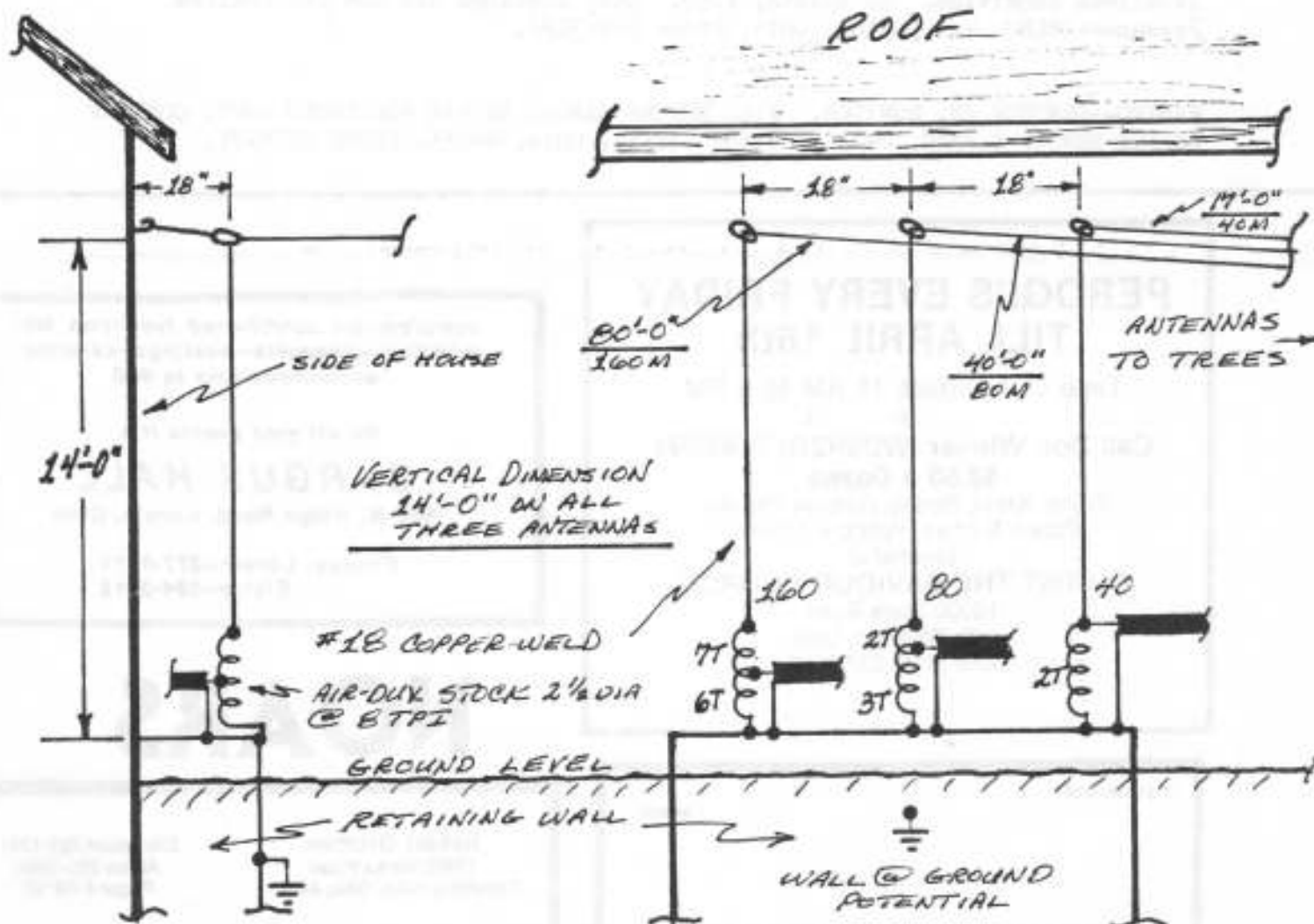
# Northern Ohio Amateur Radio Society

## LIMITED SPACE INVERTED "L" BY W8FRJ9

During the past two years, I have been assigned to Great Lakes Navel Training Center and have lived in a townhouse at Grayslake, IL. Needless to say, I never thought that I would be able to get on the air from this location, let alone 160, 80 and 40! The answer is a good earth reference and some short inverted "L"'s.

The ground reference for the antennas is a "window-well" retaining wall. The dimensions are four by five feet with two feet on each side, leaving a total of 80 square feet of ground contact that is visible. This is just what the "Marconi" ordered!

The antennas are all "shunt-fed" and 14 feet in the vertical dimension. I space them across the front of the window-well out from the side of the house 18 inches. The switching is made possible with a heathkit antenna switcher, then a single line trails into the basement VIA the air-conditioner pipe hole-through. The illustration below sums up the system:



My successes have been "WAS" on 80/40 and 42 on 160 so far. I have worked 66 countries on top band and 74 on 80/40 this year, and also worked four JA stations for WAC on 160 again! (last year only worked one JA). Hope you can install the same kind of system I have had so much success with while "confined" to a townhouse.

\*\*\*\*\*  
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