

----- The Official Journal of the Mad River Radio Club -----

PRESIDENT

Bill Kelsey NBET
Route #1
Mt. Cory, OH 45868
(419) 477-5378

TREASURER

Ron Harps KBNZ
8321 Edgewood Rd.
Mentor, OH 44060
(216) 255-7205

EDITOR

Dave Pruett K8CC
33136 Hampshire Rd.
Livonia, MI 48154
(313) 425-8296

PARTING SHOTS

by Dave Pruett K8CC

Dayton 1984 is now history, containing several firsts for the Mad River Radio Club. We saw the award of the first MRRC SS plaques, rewarding club members for their efforts in the SS Affiliated Club Competition. MRRC also had its first (in a long time) Dayton Contest Hospitality Suite which was a success, despite not being in the Stouffer's. And last of all, we have new officers.

The new officers for 1984/85 are: President - Bill Kelsey NBET/G5CMX, Treasurer - Ron Harps KBNZ and 'Flash' Editor - Dave Pruett K8CC. Their appropriate addresses are shown on the masthead - be sure to give them your input on what MRRC should be doing, for they need your ideas.

In this issue you will find the results of the MRRC SS effort. It is unfortunate that at least 400K worth of points from four entries at three stations were not submitted - any one of those scores would have put us over the top for the Medium Club Trophy. On the other hand, I want to thank the our SS regulars for a job well done! Also, the gap that was left by our non-submitters was filled by some of our DX'ers, who took the time to rack up a few Q's for the club. Thanks guys, we almost won due to your help.

These past two years as MRRC president have been more fun than most people realize for K8CC. Editing the 'Flash' must not be too bad, since I signed up to do it for another year (thank you IBM PC). The best part was getting to meet most of the MRRC gang, many of whom I didn't know from before. You just can't know Mad River unless you come to the meetings and meet the people - check in to 3825 and share the triumphs and the setbacks of the members - join forces with them in Club Competitions. This camaraderie is the key that links us together across state and sectional boundaries and makes us a real club - the Mad River Radio Club.

The MRRC FLASH is the newsletter of the Mad River Radio Club, an ARRL affiliated club serving contesters in Ohio, Michigan, Pennsylvania, Indiana, Kentucky and West Virginia. The FLASH may be reprinted in whole or in part provided proper credit is given. Mail all inquiries or submissions to: Dave Pruett K8CC, at the address given above. Join the Mad River Net, on Mondays, 8:30 PM Eastern, on approximately 3.825 MHz.

FROM THE BIG FISH
by Bill Kelsey NBET

First - I would like to thank all of you for your support in Dayton, although I have my doubts about any club that railroads in someone who has been away for five years, and at the time of the election is only semi-conscious on hay fever pills! In any event, it appears that the club has grown and become more organized while I was in England (G5CMX for those of you who are still not sure who you voted for). A lot of the organization depends on the editor of the flash, and we managed to keep a good one (he is already pestering me with deadlines). I hope we can continue to grow, or at least become a bit closer together as a club over the next year.

At Dayton, a few of you echoed concerns that I have had about MRRC, and I hope that in the next year we will be able to do something about them. Our club is spread out over a large geographical area, and some of us don't see any other members at any other time except at the two or three meetings we make each year. The club really doesn't have any activities other than the Sweepstakes effort and the four meetings. At least one of these meetings is the annual K8MR Christmas Party, and people do get a chance to socialize a bit more there. I felt our Hospitality suite at Dayton this year was a good start in the right direction, being out of the mainstream such that you could actually talk to someone.

I have done a bit of thinking about how to pull MRRC a bit closer together, and would like to toss out a few ideas to consider. First - I marked up a map with the QTH of all the members. It appears that there are two main concentrations of members - Cleveland & Detroit, with minor concentrations around Findlay and Columbus. The balance of the membership is pretty much evenly spread throughout the club area. What I would like to propose are a few supplemental regional meetings. These would not be official meetings per se, but informal get-togethers at someone's QTH. I will have one the evening before Findlay - who would be willing to do the same in the Detroit and Columbus areas?

Second - I would like to see write ups from everyone describing their station, activities, plans, interests, etc. for publication in the 'Flash'. Along these lines, you will find elsewhere in this issue a questionnaire that I would like you to fill out & return. This will help me to find out who you all are, and also give you a chance to express what you would like to see us do as a club.

Third - I would like to investigate the possibility of a MRRC repeater. A well placed machine or two could at least link Detroit, Findlay and Findlay. Personally, I don't like to leave a rig on 3825 all the time, but an outof the way 2M repeater would not be so bad. I noticed there are a few of you in Wooster - perhaps a repeater there linked to one in Findlay - anyone volunteer tower space? I have plenty of 3/4" hardline to get RF to the antennas that I would be willing to donate to the cause. The Findlay Radio has offered to let us link into their repeater - let me know if any of you have access to other machines.

BIG FISH (cont.)

Fourth - the Monday Night Net is still going on 3825 kHz at 8:30 local time in case you have forgotten. There is a core group of 10 or 12 who are usually on. It would be good to hear from the rest of you from time to time also.

Those are my goals as Big Fish for 1984/85 - Bring the club closer together through informal regional get-togethers, descriptions of stations and operators in the 'Flash', investigate a repeater or linked repeaters to help keep everyone more in touch with the rest of the membership, and encouraging greater participation in the Monday Nite Net. The other long-standing goal of course is to win the Medium Club Category in SS.

Along those lines, I understand that the Northern California Contest Club is going after the Unlimited Club Category in SS this year, and they have sent out a open challenge to any club that might be entering that category. They are going to put up a case of California Champagne that they will win SS. They are hoping that other clubs will respond to the challenge and put up similar local food or beverage against the bet. Is there any interest in MRRC doing something similar in the medium club class? If so, let me know.

That is enough from me this time. I wish that I could have met more of you at Dayton. Hopefully, I will get to meet more of you at the NDARSFEST, Findlay and KBMR meetings. I intend to have a gathering at my QTH the evening before the Findlay hamfest - plan on coming. Also, I hope that many of you will respond by returning the questionnaire and commenting on my suggestions.

See You at Findlay,

Bill Kelsey NBET

MRRC DAYTON SUITE SUMMARY

The MRRC Dayton Contest Hospitality Suite was a success, according to those who attended. A big thanks goes to coordinator W8LNO for the excellent job done in lining up the suite and beverages, and also to the club volunteers who manned the suite. The out-of-treasury expense to the club was minimal, thanks to a total of \$335 in donations from the following club members:

WM4T	KCBJH	NBATR/DMM	W8LNO
AD8C	KCBMK	NBBTU	W8BYVR
K8CC	KCBXK	NBET	W8BLLD
K8NZ	KN8Z (DEO)	W8FN	W90BF

Preparations for a suite at the Dayton 1985 are already underway. No decision has been made concerning staying at the Hilton or trying to get into Stouffers. Let your opinion be known to W8LNO, NBET or K8CC.

MRRC MEMBER QUESTIONNAIRE

This questionnaire is to help the MRRC officers get to know you better and to provide a means for your opinions concerning the club to be heard. We hope you will take the time to send it in, and feel free to make additional comments as you see fit.

name:

call:

license class: N T G A E

years licensed:

Equipment:

Antenna(s):

Planned additions to the station:

Preferred operating mode: CW phone either

Other ham radio interests besides contesting:

Other interests outside ham radio:

What things would you like to see MRRC do in addition to the four official meetings per year and submission of contest scores?

Would you be interested in operating at a MRRC multi-op station?

Do you need any assistance that someone in MRRC might be able to provide?

Would you be willing to install and maintain a 2M repeater for MRRC use?

please return to:

Bill Kelsey NBET

Rt. #1

Mt. Cory, OH 45868

MRRC STATION UPDATES

The summer antenna season is upon us, and MRRC types are out in their yards repairing last year's damage and preparing next year's 'death ray'. To give you an idea of what your competition might be doing, here are a few hints of things to come....

W8UA - Mike has a very busy summer ahead of him. The 2L 40 @ 115' is going to be replaced by a Telrex 3L on a 29' boom. The 204BA stack at 125'/60' will be refurbished with new baluns and stainless hardware. Fifteen will be the big change - going from 4L Skywalkers at 94'/47' to stacked 5L NBS yagis. The same tower will hold a new 160M quarter wave sloper. Finally, the 80M sloper system will be retired in favor of phased verticals.

KS8S - The Findlay gang have their summer's work cut out for them at Dean's antenna farm. The 180' tower will have two systems on it - 3L/3L on 40M at 180'/90' and 4L/4L on 20M at 120'/60'. Both of these stacks will have the top antenna rotatable and the bottom fixed on EU. The 100' Rohn 45G tower will have a 5L 20M and 5L 10M rotatable on top, and fixed 40M and 15M yagis side mounted to SA. The 100' self-supporting tower will have a 6L 15M yagi and a fixed 10M yagi to SA.

WD8LLD - Goose is in the process of buying a house in Wooster on 1.5 acres, and hopes to begin erecting towers soon. Plans are for two 140' towers and one 70' tall to support 6L/6L on 10M, 5L/5L on 15M and 4L/4L on 20M, with future plans for a 40M beam and a 2M DX info repeater. The big towers will be base insulated for use on 160 & 80 with lots of copper in the ground. Goose already has all the tower sections necessary to do the job, and plans to be ready for the 1985/86 season.

N8CXX - Last winter John moved to a different QTH on 1.75 acres and is now starting on the antenna system. He has 90' of Rohn 45G ready to go up, upon which he plans to install a 4L W2PV 20M yagi at 90', a 5L NBS 15M yagi at 100' and a sidemounted 6L 10M yagi, hopefully to be completed by the fall contest season. Inside the shack, John is collecting parts for a 4-1000 final to go with his FT102.

* * * * * MAD RIVER MEETING * * * * *

The next Mad River Radio Club meeting will be held at the NOARSFEST July 21, 1984 southwest of Cleveland. The Lorain County Fairgrounds are located on route 18 just west of route 58 outside of Wellington. The meeting will be at noon and announcements will be made giving the area of the grounds where it will be. There is usually a good turnout so plan on making the meeting.

MRRC Field Day Scores

K8CC (+W8UA, N8DET, N8CXX & N8BTU) : 2500 Q's in 200W 2A
W8FN (+AD8P, WM4T, K8UE, KS8S, KN8S & WD8IXE) : 1750 Q's in 200W 2A

These are the only ones reported ... any others?

MRRC SWEEPSTAKES REPORT

Don't believe everything you read in QST. The May 1984 issue chronicles the results of the 1983 Affiliated Club Competition in which MRCC narrowly lost to the North Texas Contest Club. But the published score didn't match a tally of members' scores from the results for either NTCC or MRRC, hence it took three weeks of checking between K8CC, K5ZD and K1WJ at the ARRL to compile an accurate total for each of the two clubs.

Unfortunately, the bottom line is still the same in that Mad River lost. But the margin was incredibly narrow - less than 40,000 points between the two club's 4.5 megapoint scores - that is a difference of less than one percent !!

But there were a few bright spots. W8YVR blasted K8LX's Michigan CW record into oblivion with a big effort, the second best score ever done from W8. The W8BJM Contest station swept both modes with the highest scores ever from a W8 multi-op, and two good finishes nationally. We saw best-ever scores from many of the members, and it can only make one optimistic about next year.

The winners of the MRRC SS Plaques were:

	CW	SSB
hi power -	W8YVR	K8AZ
lo power -	K8BE	W9QBF
multi op -	W8BJM	W8BJM

hi combined score - K8CC

POINTS CONTRIBUTED PER MEMBER

K8CC	319,328 *	WM4T	110,852 *	W8IXE	52,821
K8MR	301,904 *	N8ATR	107,450 *	W8LXX	52,821
W8YVR	261,559 *	K8BETK	103,230 *	K8BMK	45,674
W8FN	248,696 *	K8BJH	100,010 *	K8XK	45,674
W8LNO	233,732 *	A8BS	99,930 *	K8BN	45,674
K8AZ	232,994 *	AD8I	90,170	N8DCJ	45,674
K8ND	225,404 *	N8BTU	81,480 *	N8DMM	45,674
W9QBF	221,112 *	N8CXX	79,800 *	N8EDE	45,674
K8BE	151,328 *	K1LT	67,192 *	W8IJP	45,674
W8UPH	146,626 *	N8DET	63,758 *	AD8P	28,340
W8RRR	143,686 *	N8EA	54,904 *	W8CAR	25,472
W8UA	137,199 *	N8BV	54,504 *	K8EM	25,182
K8BLH	133,652 *	K3JT	52,821	AD8C	24,720
K8NZ	129,500 *	W8PHI	52,821	W8BJM	*

TOTAL MRRC CLUB SCORE = 4,534,736 points

*=denotes 300 Q certificate for the station signing that call making 300 qsos on either mode.

TSB30 CW OFFSET MODIFICATION by Randy Farmer WBFN

As anybody who seriously operates CW will tell you, the offset of a stock TSB30 is far too high. The only fix that I have seen published involves opening up the VFO unit, which is not really a good idea. I decided to take advantage of the nearly useless XIT function to shift the VFO on CW transmit. Fortunately, the Kenwood people chose to do most of the internal mode switching with 9 VDC signals, which allows use of 12 VDC coil relays to do the offset switching automatically.

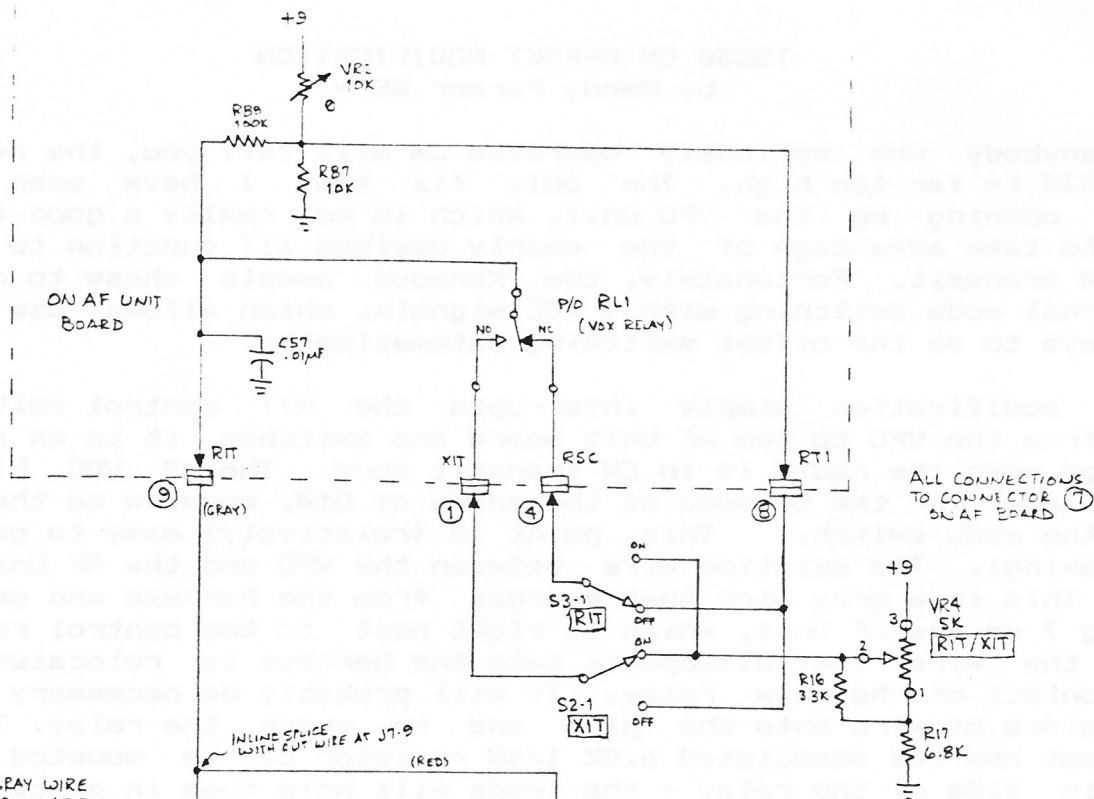
This modification simply interrupts the RIT control voltage line running from the VFO to the AF Unit board and switches it to an adjustable DC voltage when the radio is in CW transmit mode. The +9 VDC RIT signal is available in the CW mode at the anode of D10, mounted on the top rear side of the mode switch. This point is (relatively) easy to get to (see inset drawing). The existing wire between the VFO and the AF Unit must be broken. This is a gray wire that emerges from the harness and goes to pin 9 of plug 7 on the AF Unit, which is right next to the control relay. The end of the wire that disappears into the harness is relocated to the moving contact of the new relay. It will probably be necessary to splice a short piece of wire onto the plug end to reach the relay. The new CW offset pot and its associated 6.8K 1/4W resistor can be mounted directly to the pin side of the relay - the leads will hold them in place - see the inset drawing. The relay is mounted in the blank area on the chassis between the VFO unit and the large electrolytic capacitors. A ground lug mounted under the screw holding the AF board mounting plate is bent over and soldered to the low side of the relay coil to hold it in place. A new wire must be run from the anode of D10 on the mode switch to the high side of the relay coil. Dress this wire along the harness that runs from the front panel area around the rear of the VFO unit.

Adjustment of the CW offset pot is straightforward: just adjust the pot for the desired offset on CW. This can be done by monitoring your signal in another receiver or just setting the pot to where the frequency readout goes UP the amount of the desired offset in CW transmit. Be sure your offset is positive, as this simple circuit has the same + or - 2 kHz range as the normal RIT control and you could end up transmitting in the wrong offset direction. Switchover is totally automatic and the only difference from stock operation is that the XIT will not function on CW and you can finally zero beat other stations at a more pleasant beat note.

Special offer for MRRC members: I have a quantity of the 5K pots used for this mod that I can supply at my cost of 25 cents plus an SASE.

WEDDING BELLS STRIKE AGAIN !!

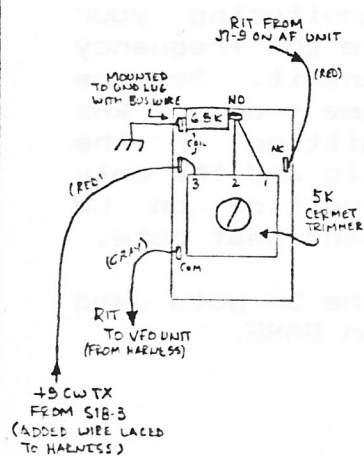
One of the reasons MRRC lost the SS Club Competition was due to the absence of our 'big gun' K3LR from the fray. Rumor had it that Tim was under the influence of a woman at the time, a voluntary condition which caused him to miss the entire 1983/84 season, save for ARRL DX CW. At least MRRC's loss was not in vain, for Tim and Sandy Duffy were married June 9th, and we all wish them our best. The new Mrs. Duffy appears to be reasonably tolerant of radios and contests, hence it appears that Mr. Duffy has acquired another 'secret weapon' for his contest arsenal.....



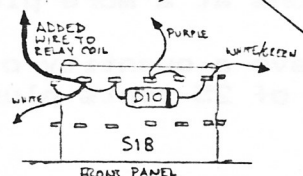
BREAK GRAY WIRE FROM J7-9 ON AF BOARD NEAR BOARD

SHIFT HARNESS END OF GRAY RIT WIRE TO COMMON OF ADDED RELAY

RELAY WIRING (ON PIN SIDE)

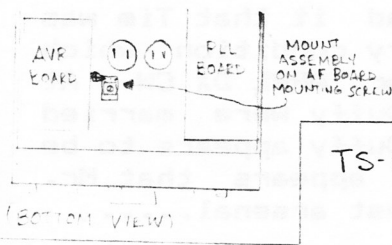
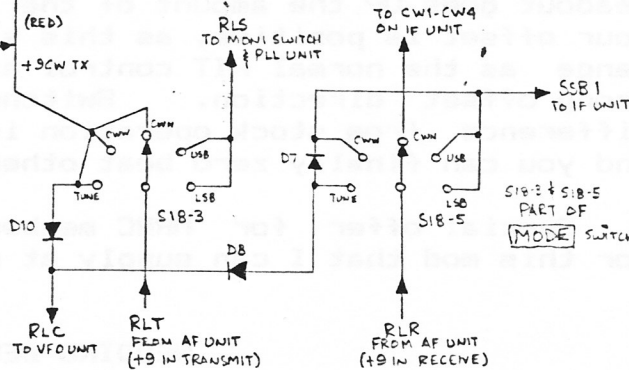


MODE SWITCH (TOP VIEW)



ADDED SPDT MINIATURE RELAY WITH 12VDC COIL (RADIO SHACK 275-247)

ADD NEW WIRE FROM OFFSET RELAY COIL TO S1B-3



TS-830S CW OFFSET ADJUST MODIFICATION

WBFN
9-25-83
REV 5-3-84

MAD RIVER RADIO CLUB

AABS	FRED STILLWELL	38565 BIGGS RD.	GRAFTON, OH	44044	(216)	926-2131	D
ACBE	JOHN BOSTWICK	2879 FRANKLIN	MEDINA, OH	44256			X
ADCC	JAY RYNO	10363 GROVE RD.	BLUFFTON, OH	45817	(419)	358-1188	X
ADCC	JOE SUBICH	7825 SR 188	CIRCLEVILLE, OH	43113	(614)	477-1373	U
AKBX	BILL GAINES	624 S. MAIN ST.	BLUFFTON, OH	45817	(419)	358-5193	F
K3JT	FRED LAUBE	332 PORTZ AV.	FINDLAY, OH	45840	(419)	423-0186	U
K3LA	JIM WASSELL	429 E. OAKLAND AV.	COLUMBUS, OH	43202			U
K3LR	BARNEY SCHOLL	P.O. BOX 673	SHARON, PA	16146			U
KBAZ	TIM DUFFY	259 N BUHL FARMS DR. APT 6	HERMITAGE, PA	16148	(412)	347-2698	X
K8CC	TOM LEE	2701 HAMPSHIRE	CLEVELAND HTS, OH	44106	(216)	932-1366	X
K8DB	DAVE PRUETT	33136 HAMPSHIRE RD.	LIVONIA, MI	48154	(313)	425-8296	D
K8LX	DENNY BURGESS	495 JEANNETTE DR.	RICHMOND HTS, OH	44143	(216)	486-1503	X
K8MR	STEVE MAKI	5591 COOMER	W BLOOMFIELD, MI	48033	(313)	681-7417	F
K8ND	JIM STAHL	3592 ATHERSTONE	CLEVELAND HTS, OH	44121	(216)	381-7030	D
K8NZ	JEFF MAASS	9256 CONCORD RD.	POWELL, OH	43065	(---)	----	U
K8SS	RON HARPS	8321 EDGEWOOD RD.	MENTOR, OH	44060	(216)	255-7205	D
K8US	JIM HEBERT	18835 PERSHING	LIVONIA, MI	48152	(313)	538-7735	F
KABETK	MIKE BOKULICH	916 COLUMBIA DR.	AMHERST, OH	44001	(216)	988-2345	U
KABPLH	JIM BLANCA	20701 LIBBY RD.	MAPLE HTS, OH	44137			N
KBBLH	TIM O'SULLIVAN	744 FOOTHILL	CANTON, MI	48188	(313)	397-8091	D
KBBWC	JOHN SCHAFFNER	6079 MEESE RD.	LOUISVILLE, OH	44641	(216)	875-8703	F
KCBJH	JACK BRICKER	490 1/2 E 149th ST	CLEVELAND, OH	44110			X
KCBMK	GREG LEE	EUREKA STAR ROUTE	GALLIPOLIS, OH	45631	(614)	256-1414	U
KCBXK	JIM HURT	7738 LUCERNE DR. APT. Q30	CLEVELAND, OH	44130	(216)	234-1451	U
KNBS	BRIAN SCHIEFERSTEIN	666 AUTUMN DR.	AMHERST, OH	44001	(216)	988-8857	X
KNBZ	JOHN SULLIVAN	1731 WALNUT RIDGE CIR.	CANTON, MI	48187	(313)	981-2641	D
KQBM	JOHN SELLER	4925 S. HAMILTON RD.	GROVEPORT, OH	43125	(614)	836-3376	U
KQBS	TIM HERRICK	BOX 5127	WILLOWICK, OH	44094	(216)	585-0653	X
KQBE	DEAN SCARBROUGH	505 BUTTERNUT ST.	DESHLER, OH	43516	(419)	278-2162	F
KQBN	JEFF CLARKE	7081 HOLLYWOOD DR.	W CHESTER, OH	45069	(513)	779-0079	D
NZMA	BOB HAYES	9192 BENDER RD.	N RIDGEVILLE, OH	44039	(216)	327-4710	D
NBABL	AL HOUSTON	710 WYNGOLD DR.	PITTSBURGH, PA	15237	(412)	366-7882	D
NBATR	BILL BISCHOFF	6945 CLARE ST.	SYLVANIA, OH	43560	(419)	537-4197	U
NBBTU	JOHN TYMENSKY	11725 POINT OVERLOOK PL.	STRONGSVILLE, OH	44136	(216)	238-3695	X
NBCXX	ALAN WEST	28472 CLEVELAND	LIVONIA, MI	48150	(313)	427-7981	N
NBCC	DAN BOOKWALTER	12333 SANDY BOTTOM DR.	SOUTH LYON, MI	48178	(313)	437-7147	D
NBCC	CHRIS KINZEL	745 WALWICK CT.	BEREA, OH	44017	(216)	234-0286	N
NBCC	STEVE SPONSER	258 SPRUCE	HIGHLAND, MI	48031	(313)	887-4953	D
NBCC	BILL HEITZENRATER	29030 MILBROOK	FARMINGTON HTS, MI	48018	(313)	851-4864	D
NBCC	JOE HOLSTEIN	1211 EUCLID AV	LORAIN, OH	44052	(216)	288-4313	X
NBCC	BARRY SCHIEFERSTEIN	1515 SASHABAW RD.	ORTONVILLE, MI	48462	(313)	628-0666	U
NBCC	BILL KELSEY	2345 HAMILTON AV.	LORAIN, OH	44052	(216)	246-2830	X
NBCC	SCOTT LEHMAN	RT #1	MT. CORY, OH	45868	(419)	477-5378	D
NBCC	GREG CHAPOTON	100 REDWOOD DR.	GREENVILLE, OH	45331			D
NBCC	DARL DEEDS	45666 CASS	UTICA, MI	48087	(313)	739-4029	U
NBCC	DAN KOVATCH	8753 TR 48	FINDLAY, OH	45840	(419)	963-2442	U
NBCC	RANDY FARMER	2819 N BAYVIEW LANE	SANDUSKY, OH	44870	(419)	625-0310	N
NBCC	KIM CULHAN	919 LEATHERWOOD	NEW CARLISLE, OH	45344	(513)	845-3331	F
NBCC	BOB EDWARDS	4975 HALSTEAD RD.	WEST BLOOMFIELD, MI	48033			U
NBCC	DON JORDAN	2525 EDGEHILL	CLEVELAND HTS, OH	44106	(216)	371-8765	X
NBCC	JOE WARDEN	1768 WOODHURST	DEFIANCE, OH	43512			U
NBCC	MIKE SOCHA	28 S HEMSTEAD	WESTERVILLE, OH	43081	(614)	891-7998	D
NBCC	BOB GENSLE	3757 BRIGHTON RD.	HOWELL, MI	48843	(517)	546-9269	U
NBCC	RALPH BROWN	820 CIRCLEVIEW DR.	TOLEDO, OH	43615	(419)	385-8082	n
NBCC	RAY WEGHORST	4115 SR 49	ARCANUM, OH	45304			D
NBCC	RICK BERNARD	3030 MARQUETTE CT.	INDIANAPOLIS, IN	47268	(317)	872-9669	U
NBCC	PAT BARKEY	15928 DENBY	REDFORD, MI	48239	(313)	537-4027	D
NBCC	SCOTT JONES	P.O. BOX 4076	ANN ARBOR, MI	48106	(313)	994-5919	N
NBCC	JOHN BASTIN	93 WHITE AV.	SHARON, PA	16146			F
NBCC	MIKE METTLER	530 HIGH ST.	WOOSTER, OH	44691	(216)	264-3030	N
NBCC	LARRY LEASKO	420 HIETT AV.	TOLEDO, OH	43607	(419)	243-0070	U
NBCC	JOHN UDARI	7291 MAPLE ST.	MENTOR, OH	44060	(216)	255-4193	N
NBCC	DOUG KLEIN	828 DAVIS ST.	AKRON, OH	44310	(216)	535-5833	N
NBCC	TIM MITCHELL	163 CANNON DR.	WOOSTER, OH	44691	(216)	345-8769	U
NBCC	MIKE VALENTINO	P.O. BOX 299	VERMILLION, OH	44089	(216)	967-6343	U
NBCC	STEVE MILLER	6234 MENTOR PARK BLVD.	MENTOR, OH	44060	(216)	257-1254	X
NBCC	ELMER STEINGASS	220 FREYN DR.	CENTERVILLE, OH	45459	(513)	433-8090	F
NBCC	RON PEEBLES	521 N BEVER ST. APT 4	WOOSTER, OH	44691			N
NBCC	JOHN THERNES	514 UNION ST	PORTSMOUTH, OH	45662			U
		60 LOCUST AV.	COVINGTON, KY	41017	(606)	331-0331	D

Notes about the roster

This club roster consists of the 71 people who have attended an MRR meeting within the past year (i.e. since Dayton 1983). Anyone from the old roster who has not been heard from since then and whose dues have expired has been removed from the list, although the club still has record of them. These same people are receiving this issue of the 'Flash' in hopes that it will motivate them to rejoin the club.

Please check your listing. If it is incorrect or incomplete, let K8CC know, either verbally or in writing. If there are many changes, the roster will be reprinted in the September issue.

The letter in the last column of the roster denotes that member's dues status paid thru: 'D'=Dayton, 'N'=Noarsfest, 'F'=Findlay and 'X'=Christmas Party. 'U' denotes unpaid and if your letter is lowercase it means that you paid early and that you are OK thru that meeting next year. The 'Flash' is only sent to paid members, with the exception of the pre-SS issue and the roster issue.

Dues for the Mad River Radio Club are \$5.00 per year. These dues are used to produce the 'Flash' and to support the MRRRC Dayton Contest Hospitality Suite and the SS Awards Program for members. Check your dues status and if you are unpaid it would be to your benefit to send a check to K8NZ.

UPCOMING MRRRC EVENTS

MRRRC Meeting & Findlay Hamfest - Labor Day weekend - The program will be Goose Steingass WD8LLD on 40M Phased Verticals. Goose works in the broadcast antenna industry, so the program ought to be good.

Don't forget !! The pre-Findlay MRRRC get-together at the QTH of prez N8ET the evening before. A great chance to meet MRRRC people without the hub-bub of the hamfest. Sleeping bag floor space will be available.

Mad River Radio Club
33136 Hampshire Rd.
Livonia, MI 48154

DAVE PRUETT	K8CC
33136 HAMPSHIRE RD.	
LIVONIA, MI	48154 D