As the MRRC enjoys the success of a growing membership we must not become content with ourselves. It is time to plan our first contest season = as a winning club. I would like to hear your ideas on how to motivate the membership so that all of us will go all out to win = simple mathematics makes it very clear it is going to take an average of 90K points from each of us to be the #1 club in SS and 500K points average to take the ARRL DX Test. (Combined CW & phone modes).

Are you willing to play both modes? Will you put in the time? The MRRC can be #1 if we individually dedicate ourselves to a winning contest season. the East Coast clubs can be beat, we can do it.

ARRE AFFILIATION. Our affiliation papers have been signed by Director Al Michel and are back at ARRE HQ, awaiting action by the Executive Board at their meeting in late August or early Septembert Al is behind us 100% = but, he will not let the East Coast know what is going on and get them excited.

MERC PICNIC. All MERC members and their families are invited to a MERC picnic to be held at the home of Ron Harps in Euclid. Ohio. Saturday. August 21, starting at 2:00 PM EDST and ending ??? Bring your own food and blanket - liquid refreshment will be furnished.

It is easy to get to Ron's:

(1) Get to the Cleveland area and get on I-90.

(2) Follow Interstate 90, exit 185th Street.

(3) South on 185th Street. (185th Street changes names several times, 185th-Knotingham-Dille-Highland, all continous) Follow 185th past Euclid Avenue, past the General Electric Plant two blocks look for Harris Hoad.

(4) East (left) on Harris Road to the first STOP sign.

(5) North (left) on Harms Road to ron's house, 22601 Harms Road.

This is a good chance meet each other - talk contests. DX. etc...have a good time. Hope to see you there.

ON THE AIR GET TOGETHER. Our regular get together will be the last Tuesday of August - the 31st., 2330 GMT. 3907 KHz. On the other Tuesdays many of the MRRC gang get on and chew the rag. exchange DX notes, big time each other and so on. Why not join the fun?

HAMFESTS. At the Cincinnati and Findley hamfests the MRRC will have a couple of hospitalitality tables ( that means two picnic tables) pulled together with the the MRRC banner above them). Come over and meet some of the members.

CQ TAPE DEVISE CORRECTION. Al. K7NHV/8, said that a bo-bo was made in the schematic of the CQ Tape Devise shown in the FLASH, Vol I, #3. The diode was shown in the schematic backwards - please reverse.

- C

FLASH INPUT. PLEASE...I need more input, articles, tech stuff, editorials, humor, cartoons...Send me more, it is your newsletter.

MRRC HAM SHACKS. WEEDU, the club station at Case Western
Reserve University, is located in a 20 footxsquare penhouse
on the roof of an eight storyxengineering building. The main
rig is a KWM-2/75S-1, with a modified Heath Warrior as the
afterburner. Dipoles at 100 ft., a Classic 36 forthy feet
off the building roof (total 140 ft), and a planned 2 el
beam do the signal squirting. Presently WA3BGE, WA5WCO,
WA8RXM and WA8RIW do the majority of the contest operating
from EDU. The club and station trustee is MRRC member W8KIC.

W8SH, the call of the Michigan State University ARC, and sponsored by the EE Dept., makes a lot of RF thanks to their Collins S line including the 30S-1, and Collins transverter for 6 and 2 meters. Teletype and slow scan TV equipment also helps fill the shack that is located third floor of the Engineering Building. The skyline is doted by a CL-33 at 75 ft., 40 meter dipole at 60 ft, 80 meter dipole at 55 ft., 16 el on 2 meters at 80 ft., and 6 el 6 meters at 65 ft.
WA3GBU, WB4JEZ, K7NHV, WA8VRB, WA8VBY, and WB8FLZ do their thing from SH in most of the centests.

SHORTS. KAGSU had his 40 meter beam slid down a line attached to the top of his tower. nothing lost except a few peices of tubing. W8KIC just plain dropped his new \$DXX, again only a few pieces to replace. WA8ZDF has his new 40 meter beam up. discovered that he tuned it up for 6900 KHz. W7RM lost his antenna system in total.

<sup>73</sup> and hope to see many of you this summer de KBERU

## MRRC Membership List

	Dah	WASVMQ Tom
K3HZL	Bob	WASVRB Rick
WASBGE	Jim Warn	WASVHV Hugh
WA3GBU	Tom	W8WPC Brownie
K4GSU	Bill	WASYVR Pat
WA4JEZ	Bill Frank	WASZAV Karl
K4KSB	Frank	WASZDF John
K4KSC	Scott	WASZDT Kevin
WB40SS	Terry	WASZTV Tom
Khón	Chuck .	K9KFR Bob
K710HV	Al	at a C ATND
K8AXG	Bob	Change of ADR
WB8BLL	Gary	КЗНКМ
K8BPX	Dave	PO Box 288
W8BVF	Jim	Holt. MI 48842
WB8BZG	Geo	
W8CFG	Dick	K8UNG
WB8CWD	Chuck	1468 Urban Dr.
W8DQL	Lenny	Columbus, OH 43229
WB8EAU	Mike	
K8EHU	Dick	Warred Marriago 1270 C
WB8EUN	Daryl	NEW MEMBERS
WASFCM	Chas	
WBFMG	Wes	WA3GJU
W8HBK	Joa	Jay Mangold
к8нкм	Joe	305 Crescent Gdn. Dr.
KSHLR	Vernon	Pittsburg, PA 15235
WB8IDV		*********
WASJUN	Mark	WASMWO
W8KCJ	Ted	Bob Felix
WSKGE	Geo	23 Mary Ann Dr.
	Dela	70 A A TIA 3 E 2 2 7
. W8KIC	Bob	Pitts, PA 15227
W8KIC WA8LYF	Steve	Pitts, PA 15227
W8KIC WA8LYF WA8MCR	Steve Bill	Pitts, PA 15227 WA8BJQ
WASLYF WASMCR WASMQP	Steve Bill Ed	Pitts, PA 15227  WASBJQ Stu Holzer
WASLYF WASMCR WASMQP WASNYB	Steve Bill Ed Jack	WASBJQ Stu Holzer 4972 Amalia Pl.
WASLYF WASMCR WASMCR WASMQP WASNYB WASOBG	Steve Bill Ed Jack Jim	Pitts, PA 15227  WASBJQ Stu Holzer
WASLYF WASMCR WASMCR WASMQP WASNYB WASOBG WASOSE	Steve Bill Ed Jack Jim Don	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227
WASLYF WASLYF WASMCR WASMQP WASNYB WASOBG WASOBG WASOSE WASPOS	Steve Bill Ed Jack Jim Don Steve	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227
WASLYF WASMCR WASMCR WASMQP WASNYB WASOBG WASOBG WASOSE WASPOS WASPXO	Steve Bill Ed Jack Jim Don Steve Floyd	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm
WASLYF WASMCR WASMCR WASMQP WASNYB WASOBG WASOBG WASOBG WASOBG WASPOS WASPXO WASPXO	Steve Bill Ed Jack Jim Don Steve Floyd Pete	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Por 123
WASLYF WASMCR WASMCR WASMQP WASNYB WASOBG WASOBG WASOBG WASOBG WASPOS WASPXO WASPXO WASPXO WASPZA WASQIY	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm
WASLYF WASLYF WASMCR WASMCR WASMQP WASMYB WASNYB WASOBG	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062
WASLYF WASLYF WASMCR WASMCR WASMQP WASMYB WASNYB WASOBG	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK
WASLYF WASMCR WASMCP WASMCP WASMCP WASMCP WASMCP WASMCP WASMCP WASMCP	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee	Pitts, PA 15227  WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober
WASLYF WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCP WASMCP WASCOS	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry	Pitts, PA 15227  WASBJQ Stu Holzer 4377 Amalia Pl., Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas
WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCP WASMCP WASMCP WASPXO	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober
WASLYF WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCP WASMYB WASMSE WASOBG WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnat1, OH 45211
WASLYF WASMCR WASCA WAS	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnat1, OH 45211
WASLYF WASMCR WASCA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Gree	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnati, OH 45211  WBSEUY Curt Foreman
WASLYF WASMUR WASMUR WASMUR WASMUR WASMUR WASMUR WASMUR WASPOS WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Gree Bill	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnat1, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd.
WASLYF WASMCR WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Gree Bill Bill Bill	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnati, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd.
WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASCUS	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Gree Bill Bill Bill Bill	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnati, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd. Worthington, OH 43085
WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMYB WASNYB WASOBG WASPOS WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Gree Bill Bill Bill Bill Bill	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnati, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd. Worthington, OH 43085
WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCP WASCOS WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Gree Bill Bill Bill Bill Chas	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnat1, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd. Worthington, OH 43085  WSFAN Tom Russell
WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCP WASCOS WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Greg Bill Bill Bill Bill Chas Jerry	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnati, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd. Worthington, OH 43085  WSFAN Tom Russell 1952 Norwood
WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCP WASCOS WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Greg Bill Bill Bill Bill Bill Chas John Chas Jerry Calf	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnati, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd. Worthington, OH 43085  WSFAW Tom Russell 1952 Norwood Grosse Pte, Woods, MI
WASLYF WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCR WASMCP WASCOS WA	Steve Bill Ed Jack Jim Don Steve Floyd Pete Dick John Ron Lee Terry MSU ARC Harold Steve Greg Bill Bill Bill Bill Bill Rolfe John Chas Jerry Calf Rich	WASBJQ Stu Holzer 4377 Amalia Pl. Columbus, OH 43227  WBSCLF Paul Hurm Box 173 Seven Mile, OH 45062  WSCSK John Hugentober 4441 Andreas Cincinnati, OH 45211  WBSEUY Curt Foreman 7323 McCampbell Rd. Worthington, OH 43085  WSFAN Tom Russell 1952 Norwood

WASLVT Jeff Skebe 708 Franklin Blvd. Cleveland, OH 44124

W80K Frank Schwab 7711 Dog Leg Road Dayton, OH 45414

W80KF John Radigan 29837 Authur Rd. Wickliffe, OH 44092

WASONM Dan Merrick 6624 Shenandoah Dr. Reynoldsburg, OH 43068

W8QHW Don Havlicek 3156 Timberview Dr. Cincinnati, OH 45239

Jeff Steinwedel 1575 Mistletoe Dr. Cleveland, OH 44106

WASRQB Howard Osborn 1404 E. Lynn Rd. Wayne, WV 25570

K9CUY C. LaMar Ray RFD 1, Ranch Rd. Grabill, Ind. 46741

Complete ADR listing will be in FLASH every four months.