

## The Official Journal of the Mad River Radio Club

## PRESIDENT/EDITOR

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

## TREASURER

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

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FLASHES of Inspiration: Word from the Fish  
Dave Pruett KBCC

**SWEEPSTAKES!** - Get out your calandar and prominently mark Nov. 5-6 CW) and Nov. 19-20 (Phone) as the weekends for the 50th ARRL November Sweepstakes. Perhaps this will be the year that MRRC puts it all together in the Affiliated Club Competition. 50 entries and lotsa points are the goal as we go to do battle with YCCC, NCCC, TDXS and the USA in the quest for the Affiliated Club Trophy.

**WILL YOU BE READY?** We are counting on the membership to really turn out for this one. The club needs EVERYONE to plan ways we can best utilize our 50 entries for maximum points. To help everyone prepare, this issue of the FLASH is committed to tips and ideas for bettering your score. The top ten scores in each category on both modes are presented, along with some ideas from KBCC on setting realistic goals for you and your station. KBMR offers some ideas to help the 'little gun' put together a respectable SS station. The K3LR 40M 'Secret Weapon' SS antenna from the June 'Flash' is subjected to computer modeling, the results presented to help you do well on the most important band for SS. Finally, we have hints & kinks from veteran SS'ers within the club which might just be the key to help you WIN this year.

Don't forget the MRRC Sweepstakes Awards Program for members. The club is going to award a plaque to the top club entry in the single op hi power, single op low power and multi-op categories on both phone and CW, as well as a plaque to the club member who contributes the most points to the MRRC effort. Every plaque winner will also recieve a one year subscription to the National Contest Journal, courtesy of the club. In addition, we are going to award a certificate to every club member who makes 300 QSOs on either mode.

**So GET READY!** Do the antenna work before it gets any colder. Check out your rig and get it ready for 24 hours of battle. Find a comfortable chair, get some good log & dupe sheets and prepare yourself to have fun and do well. MRRC has 65 members on its roster, some of the best contesters in the midwest. If we all do our best, victory is all but assured. GO MAD RIVER !

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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 KBCC, at the address given above. Join the Mad River Net, on Mondays, 8:30 PM Eastern, on approximately 3.825 MHz.

## MRRC NEWS

**EDITOR CHANGES-** You may have noticed that the FLASH has changed editors again. Our previous editor KBND has recently gone through some rather significant changes in his lifestyle what with purchasing a QTH and acquiring a YL type friend (sounds terminally serious to me). In any case, Jeff has not been able to find time to produce the newsletter. Therefore, you are stuck with me again. This newsletter is a forum for ALL members. I actively solicit your articles and ideas for publication. Unless you want to hear nothing but KBCC verbage, present your ideas on the Monday Nite Net, or drop me a line.

**CLUB MEETINGS and BUSINESS-** Despite the rain, the Findlay Hamfest and MRRC Meeting was an enjoyable success. 33 people made the meeting, which featured an update on MRRC preparations for SS and an open discussion on raising large beams to the top of tall towers. The club treasury stands at \$371.81 with 47 current paid members.

The next MRRC meeting is the Annual KBMR Christmas Party December 30 in Cleveland, details to be provided in the next FLASH. Plan to make this one which is probably the best meeting of the year. Usually thirty to forty people show up for an evening much like the contest suites at Dayton. It really is worth the trip.

Jim and Linda Stahl became the proud parents of their first child recently. ALAINA BETH STAHL was born September 29th, coming into the world at 7 lbs. 7 oz. and 20.5 inches long. Jim, MRRC's very own KBMR, reports mother and daughter are both doing fine, but that he will most likely be more concerned with changing diapers rather than changing bands this fall.

Meanwhile over at the KSBS QTH, Dean and Caren Scarbrough herald the arrival of their second child, SALLY LOUISE, born October 19th at 7 lbs. 11 oz. Mother and daughter are both doing well, although it has been reported that Dean has succumbed to 'proud papa-itis'.

I hope everyone has seen the results of the ARRL DX Test in the October QST. MRRC has much to be proud of with a Second Place Finish in the Medium Club Category. But what is really incredible is that Mad River members took three of the top ten places on CW from the DX end: KBMR at VP2EU (#2), NBDCJ at 8P6GG (#6) and KBWW/VP9 (#7). Other MRRC high scores from the USA:

## CW

KBND	#3 M/S
WB8JBM	#5 M/D
AD8C(AD8P)	#3 40M

## SSB

W8YVR	#5 A/B
N8CXX	#4 QRP
K3LR	#2 15M
K3LR(K8CX)	#5 40M

Our final club score was 14,786,434 points, second only to the North Texas Contest Club with 15,899,430 points. These results show what MRRC can do with a combination of 'Big Gun' scores, 'Little Gun' efforts and several successful multi-op entries. Thanks and congratulations go to all who contributed, and let's do it again in SS!

# SS NOTES FOR MIDDLE AMERICA

## Jim Stahl KBMR

Big Guns already know what needs to be done to their stations ... planning involves making certain that company is not invited for those weekends.

For the not so big gun (or not YET big gun) putting together a respectable SS station is less than it may seem to involve. Middle America is extremely tough for a big gun going for a top national ranking. Yet, a fairly simple station can do quite well. How simple? A kilowatt and dipoles. If you are loud within a 500 mile radius, you will saturate W1, W2, W3, W8, W9, VE3, most of W4 and part of W0. That means lots of QSOs. If you are average elsewhere you will still be able to work enough western stations to get most of those multipliers. The result: GOOD SCORE!

If you don't have an amplifier, don't quit yet. Try borrowing one for the weekends. Find a local confirmed non-contester and give him the chance to make sure he won't accidentally turn his radio on and hear all that awful QRM. If you succeed, here is one suggestion: If possible, check things out ahead of time regarding TVI, RFI, etc. Contest weekends are lousy times to be getting complaints and RFI problems are naturally going to be worse with the added power.

Don't worry about RG-58 or RG-59 taking a KW, especially on the lower bands. Likewise, the popular Johnson 275 watt Matchbox takes at least an SB200 with no sweat. I have seen traps melted by SB200s on some of the low power tribanders, so be careful in that area.

With a little planning and scratching, even the little guy can put together a respectable SS station.

## MAD RIVER ELIGIBLE LIST

AA8S	AD8C	AD8I	AD8P
K3LR	K8AZ	K8CC	K8DB
K8EM	K8LX	K8MR	K8ND
K8NZ	K8SS	K8US	K8WW
KB8LH	KC8JH	KC8MK	KC8XK
KS8S	KUBE	KW8N	N8ABL
N8ATR	N8BTU	N8CXX	N8DCJ
N8DET	N8DMM	N8EA	N8EDE
N8ET	N8BV	W8CAR	W8FN
W8LNO	W8UA	W8UPH	W90BF
W8RRR	W8YVR	WB3KKX	WB8KKI
WB8MZZ	WB8PHI	WB8VPA	WD8IJP
WD8IXE	WD8LLD	WD8LXX	WM4T

This list was generated from the attendance records for the MRRC meetings at Christmas 1982, Dayton 1983, Noarsfest 1983, and Findlay 1983. It is correct and complete as far as I know. However, I may have missed some guys inside the 50 mile circle who don't have to meet the attendance requirement. If you or someone you know should be on this list, but isn't, let me know as soon as possible.



## SETTING GOALS FOR SS

Dave Pruett K8CC

One of the best ways to success in a contest is to sit down before the event and set an ambitious but reasonable goal for you and your station. The ultimate goal is a top ten finish nationally, but this is unrealistic in SS for most of us poor WB's. Aiming for the section award puts one on an equal geographical basis with the competition, but in a competitive section first place can be hard to win.

Competing against other stations can be considered an external goal, the realization of which is dependent upon the competition's success (or lack of it). The other type is an predetermined goal, where one has a mark to shoot for. This can be several things, such as making a certain number of QSOs, working all sections, or beating your own personal best score.

Another goal to consider is to look at past scores from your section, and to aim for some particular level. A significant achievement would be to make a score which is one of the ten best in the category from your section. Band conditions and activity will affect scores from year to year, but ten scores can be a good measure of contest achievement.

Tabulated on the next two pages are the ten best scores from Michigan and Ohio for single op hi power, single op lo power and multi-op. Use them to set a goal for your station in SS. Some of the categories are full of real strong scores, but some are pretty weak. Close examination should yield a category that interests you with a goal your station can achieve.

## CONSIDERATIONS FOR GOAL SETTING:

- (1) TIME CONSTRAINTS- Make a realistic assessment of how much time you can devote to the contest. Planning how much sleep you need and any family responsibilities you might have can save disappointment in the long run.
- (2) JUDGE YOUR CAPABILITIES- Whether CW or Phone, assess your own operating abilities and the effectiveness of your station. Determine which bands are important for the particular contest and judge how you will fare against the competition at various times of the day. From these factors, try to determine what QSO rate you can expect. Using rate and time get a rough idea if your goal is feasible.
- (3) SET INTERMEDIATE GOALS- Once you have judged your time and capabilities, set some intermediate goals to use as benchmarks during the contest (ex. QSO rate per hour, QSOs first day, accumulated QSOs at various times). Try to be aware of band conditions while you operate and assess their effect on attaining your goals.
- (4) USE YOUR GOALS FOR PSYCHOLOGICAL ADVANTAGE - Make a chart showing estimated total QSOs each hour to use during the contest. If you are meeting your goals each hour you can be confident that you are operating correctly and should achieve the goal you have set. This can be very important for your enthusiasm on Sunday when you might hear a competitor with a bigger number than you. Remember that he might not have used his off time wisely, and that you might still catch him before the end of the contest.

Setting goals and planning ahead can let you to know what to expect while you are operating, which helps to prevent unfounded optimism or discouragement. It helps you to always know where you stand, so that you can make intelligent decisions to achieve the goal that you have set.



## SWEEPSTAKES RECORDS FOR MICHIGAN

## HI POWER

## CW

78 KBLX	153150-1021-75
77 KBLX (WABZDT)	151694-1039-73
81 KBCC	150480-1045-72
79 WBUA (WABZDT)	147852- 999-74
81 KBLX	147852- 999-74
79 KBLX	146438-1003-73
71 WBSH (K7NHV)	145200- 968-75
82 WABYVR	142080- 960-74
80 KBCC	141036- 966-73
78 WABRRR	135326- 953-71

## SSB

78 KBLX (WABZDT)	223200-1488-75
81 KBLX (WABZDT)	222592-1504-74
79 KBLX (WABZDT)	212528-1436-74
74 WABYVR	204092-1379-74
72 WABZDT	187738-1272-74
78 K9OK/8 (WB9DZS)	186000-1240-75
78 W8FF	182850-1215-75
77 WBRC	174900-1166-75
75 WABZDT	168338-1153-73
81 KC8EK	163836-1107-74

## LO POWER

## CW

74 W8CQN	137492- 929-74
76 W8CQN	131254- 899-73
75 W8CQN	116060- 829-70
77 KBIF	113734- 779-73
81 N8EA	103660- 730-71
76 WABZAV	102528- 712-72
78 WABMAM	102120- 690-74
79 WABMAM	101616- 696-73
78 W8LAQ	101388- 714-71
76 WBSH (N8SR)	100944- 701-72

## SSB

76 WBTR (WABPSD)	117718- 829-71
82 WD8MGQ	116476- 787-74
78 W8LAQ	113442- 777-73
80 W8JWN	107448- 726-74
76 WABWWM	106642- 751-71
76 KBIDE (KBTR)	106050- 707-75
79 W8JWN	104932- 709-74
79 WD8MGQ	101324- 694-73
79 W8LAQ	89336- 633-71
80 WD8MGQ	88038- 603-73

## MULTI-OP

## CW

77 W8UM	125720- 898-70
80 W8UM	110016- 764-72
79 W8UM	105376- 712-74
74 W88FUO	97056- 674-72
75 W8UM	91254- 681-67
79 W8BYDR	81030- 555-73
82 K8JM	79626- 577-69
80 K8JM	74382- 539-69
80 AJ8Z	71536- 526-68
80 KC8K	68724- 498-69

## SSB

81 K8SS	182208-1248-73
82 WD8CRY	179376-1212-74
80 WD8CRY	173308-1171-74
81 WD8CRY	158264-1084-73
82 K8SS	150672-1032-73
79 W8UM	144448- 976-74
79 WABFRE	125652- 849-74
74 W88FUO	112140- 801-70
79 W88JYX	111296- 752-74
79 AJ8C	103748- 701-74

## SWEEPSTAKES RECORDS FOR OHIO

## HI POWER

## CW

78 KBNZ	161320-1090-74
78 KBMR	158508-1071-74
81 KBNZ	157916-1067-74
78 WBWPC (KBBPX)	156584-1058-74
77 KBMR	154216-1041-74
80 KBNZ	152884-1037-74
77 WABYWX (K3LR)	151552-1024-74
76 WBEDU (KBMR)	146730-1005-73
77 WSKIC	146438-1003-73
80 WBWPC (N9AG)	139824- 971-72

## SSB

78 WSKIC (WB8MZZ)	219450-1463-75
81 KBND (WB8MZZ)	217412-1469-74
76 WABPLZ (WB8AYC)	213014-1459-73
77 WSKIC (WB8MZZ)	208800-1392-75
78 KBAZ	207150-1380-75
78 KBMR	205350-1369-75
81 KBMN	204832-1384-74
79 WB8MZZ	202464-1368-74
82 KBND	199208-1346-74
82 WBJI (WB8MZZ)	196988-1331-74

## LO POWER

## CW

79 KBEKG	116800- 800-73
82 KBBL	110016- 764-72
82 KUBE	109872- 763-72
78 KBEKG	108216- 752-72
79 WSKRR	102346- 701-73
81 KBBL	101360- 724-70
80 WSKRR	101232- 703-72
80 KBEE	101178- 693-73
81 WSKRR	100800- 700-72
79 KBEE	98696- 676-73

## SSB

81 KBEE	118114- 809-73
82 KBEE	113150- 775-73
80 WA6EZV/B	104340- 705-74
80 KA8D	98532- 714-69
75 WB8MZZ	96702- 681-71
78 WD8ALG	94572- 639-74
80 KBEE	92880- 645-72
82 KBBL	91396- 626-73
77 NBRA	90312- 636-71
79 KBEE	90132- 609-74

## MULTI-OP

## CW

82 WB8JBM	154944-1076-72
81 WB8JBM	154322-1057-73
74 WB8JBM	147022-1007-73
79 KBND	142080- 960-74
81 KBND	141044- 953-74
78 WB8JBM	138380- 935-74
80 WB8JBM	137232- 953-72
78 KBND	131984- 904-73
79 WB8JBM	130240- 880-74
76 WB8JBM	130176- 901-72

## SSB

82 WB8JBM	205128-1386-74
80 KBND	202464-1368-74
81 WB8JBM	202464-1368-74
80 WB8JBM	201918-1383-73
79 WB8JBM	200096-1352-74
79 KBND	196544-1328-74
78 WB8JBM	195932-1342-73
77 WBWPC	192992-1306-74
78 KBND	183150-1221-75
76 WB8JBM	178192-1204-74

## SWEEPSTAKES TIPS FOR 'LITTLE GUNS'

Compiled by Jeff Maass KBND

(Reprinted from Nov. 1978 'Flash')

1. Establish a QSO target at a level that you feel is slightly out of reach. If you exceed that goal, set another about 20% higher.
2. Call CQ as often as possible. If you can hold a frequency and sustain a run this is the most effective way to add QSOs, but don't forget to look for multipliers.
3. Keep an accurate record of your multipliers worked. If you know your signal is not strong enough to run huge QSO totals, concentrate on working all 74 sections and as many Q's as possible.
4. Pre-number all log forms. Adding QSO numbers to the logs while operating wastes time and effort.
5. Try to log directly into the log and avoid scratch paper. Time spent re-copying reports is wasted effort.
6. Log in pencil. Mechanical pencils are useful, particularly the Pentel 0.5 mm lead variety. You don't have to stop to sharpen them; the lead advances by pressing on the eraser.
7. Keep close track of your off times. K8MR suggests using a 3x5 index card to keep a cumulative record while operating to help better manage your six hours of off time.
8. Try not to take any time off until at least 0800Z the first night. This is good strategy to follow since activity is highest during the first 12 hours. The consensus is that roughly 1000Z to 1400 Z are the least productive hours of the contest, so schedule any required sleep during this period.
9. When running a multi-op station, try to keep an operator on a spotting receiver CONSTANTLY. Use it to scan the bands not being used by the 'run' station for multipliers. Don't miss those VEB's on 10M!
10. Have your full report (ex. "B KBND 71 OH") written boldly on a card and put it in prominent view of the operator. This is particularly important in a multi-op station for reminding guest operators. Also, as fatigue and monotony build, it gets easy to 'blank out' and forget your exchange even at your own station.
11. If you are not conditioned to marathon phone contests, be careful not to strain your voice. It's usually not necessary to scream into the microphone, although that is the temptation (and sometimes good for your enthusiasm -ed.). Conserve your voice, have throat lozenges/spray available, and take steps IMMEDIATELY if you feel your voice slipping away. 24 hours on-the-air is a LONG TIME!



## (Little Gun Tips cont.)

12. Consensus among the top phone ops is that all extraneous greetings and words should be left out of the contest exchange, with one exception: Use of the word 'check' before the check reduces the number of requests for repeats. (Another exception is when working another MRRRC member. Your exchange should conclude with the cry '600000 MAD RIVER !!!!!' - ed.).

13. Headphones are a must for contest operation, and since you are going to have them on for hours at a time it is a good idea to find a set that treats you kindly. Make sure you select headphones that cup your ear but do not sit on it. Some cheap stereo headphones, modified for mono, are perfect. The Radio Shack Nova-10 headphones have been found to be very comfortable. At \$13, they make a good investment.

14. Minimizing physical actions and wasted time are keys to a good score. When logging, there is no reason to log all four digits of the time. The predominant system logs the full four digits only once per hour and the last two digits for all other QSOs during that hour. Another variation logs four digits once per hour, two digits only once per ten minute period and the last digit every QSO. When things REALLY get hot, perhaps record the time only once each five minutes.

15. And now a word about the use of dupe sheets. If you think that you can get through SS without one, YOU ARE WRONG! A dupe sheet is a time saving device that pays off every time you avoid working a station twice. Anyone who works a station more than twice quickly gains a bad reputation.

Make sure that every station you work is placed on the dupe sheet. This will speed up your search-and-pounce rate. When calling CQ and maintaining a good rate, temporarily abandon the dupe sheet. This will place the duping burden on the other guy, but the increased rate makes up for the occasional dupe. Catch up the dupe sheet when the rate drops, while search-and-pouncing, or during off times.

Single sided dupe sheets are HIGHLY RECOMMENDED!!

16. Have your station, logs, pencils - EVERYTHING - ready to go early Saturday. Relax and try to stay loose. At least 30 minutes before contest start time, begin to listen on the band you have chosen to start on. Get a feel for conditions and activity on that band, and if necessary, choose a different band to start on. When the contest begins, you should have already staked out a frequency for CQing or found a CQing station to QSO.

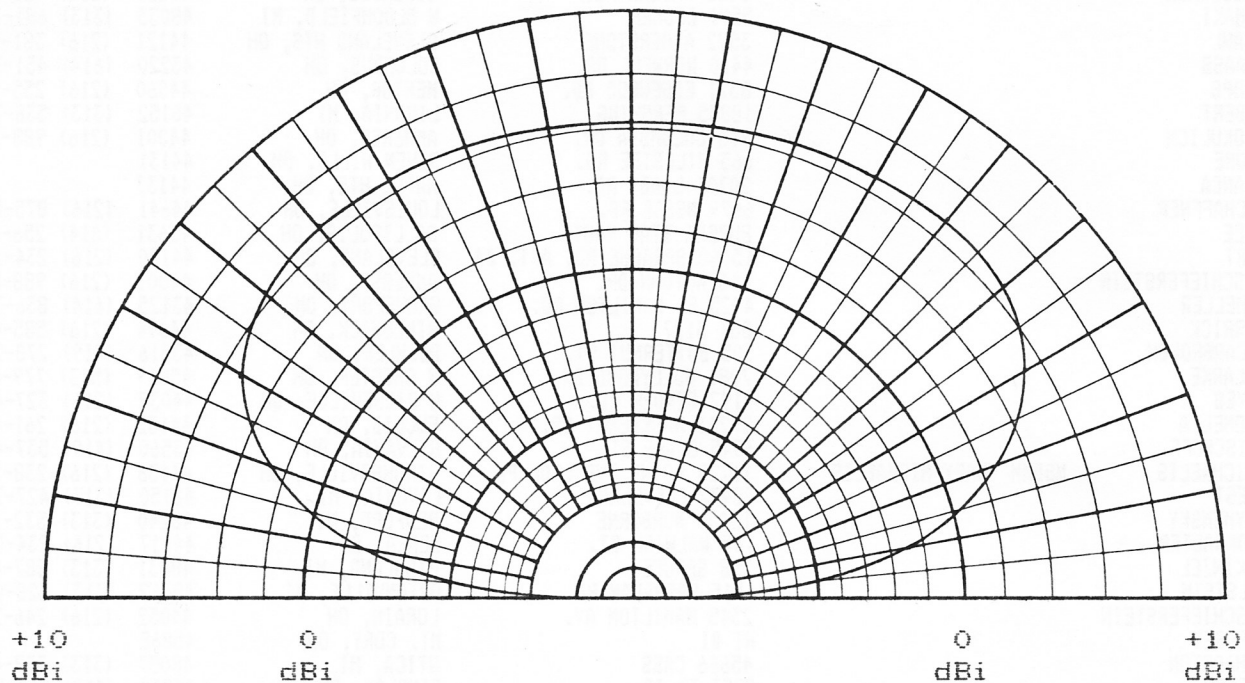
## REFERENCE ARTICLES

"Sweepstakes for the Little Guy" - QST, Oct.1978, pp 48-49

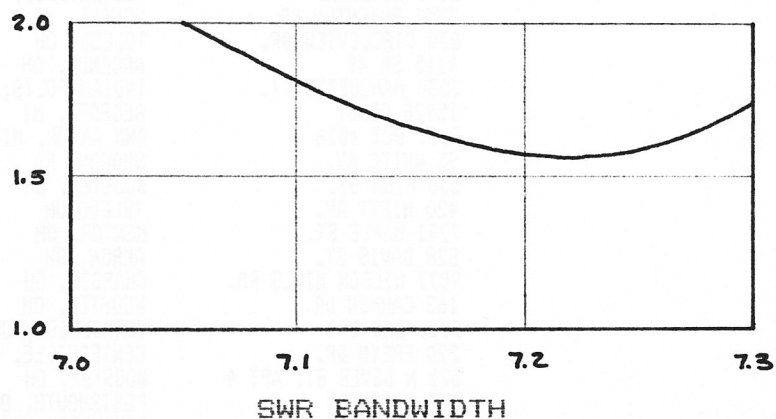
"November Sweepstakes Propagation Predicting" - QST, Nov.1977, pp 50-51

## 40M 'Death Ray' Revealed

In the June 'Flash' there was an article by Tim Duffy K3LR which gave the design for a 40M antenna intended for stateside contests. The antenna consisted of a dipole element above a wire reflector, the intent being to optimize radiation between 40 and 80 degrees. This antenna was subjected to computer modeling on the IBM PC at K8CC, using the MININEC program.



VERTICAL RADIATION PATTERN  
(end view of elements)



The computer predicts greater than +6 dBi gain for vertical angles between 35 and 90 degrees, which is just the ticket for SS. The input impedance is around 86 ohms with zero reactance at 7220 kHz with the dimensions given in Tim's article. Some empirical fine tuning of the driven element length should provide a satisfactory SWR over the frequencies of interest.

# MAD RIVER RADIO CLUB

AABG	FRED STILLWELL	38565 BIGGS RD.	GRAFTON, OH	44044	(216)	926-2131	D
ADBC	JAY RYND	10363 GROVE RD.	BLUFFTON, OH	45817	(419)	358-1188	U
ADBI	JOE SUBICH	7825 SR 188	CIRCLEVILLE, OH	43113	(614)	477-1373	D
ADBP	BILL GAINES	624 S. MAIN ST.	BLUFFTON, OH	45817	(419)	358-5193	F
AIBS	KEN STENBACK	722 LYNDON AV.	ASHTABULA, OH	44004	(216)	964-7316	D
AKBX	FRED LAUBE	332 PORTZ AV.	FINDLAY, OH	45840	(419)	423-0186	U
K3LA	BARNEY SCHOLL	P.O. BOX 673	SHARON, PA	16146			U
K3LR	TIM DUFFY	202 EUCLID AV.	SHARON, PA	16146	(412)	347-4581	U
KBAZ	TOM LEE	2701 HAMPSHIRE	CLEVELAND HTS, OH	44106	(216)	932-1366	X
KBOC	DAVE PRUETT	33136 HAMPSHIRE RD.	LIVONIA, MI	48154	(313)	425-8296	D
KBOB	DENNY BURGESS	495 JEANNETTE DR.	RICHMOND HTS, OH	44143	(216)	486-1503	X
KBEM	BOB KALISCHER	2465 VASSAR PL.	COLUMBUS, OH	43221	(614)	488-5325	D
KBLX	STEVE MAKI	5591 COONER	W BLOOMFIELD, MI	48033	(313)	681-7417	F
KBMR	JIM STAHL	3592 ATHERSTONE	CLEVELAND HTS, OH	44121	(216)	381-7030	D
KOND	JEFF MAASS	4410 NORWELL DR.	COLUMBUS, OH	43220	(614)	451-3713	D
KBNZ	RON HARPS	8321 EDGEWOOD RD.	MENTOR, OH	44060	(216)	255-7205	D
KBSB	JIM HEBERT	18835 PERSHING	LIVONIA, MI	48152	(313)	538-7735	F
KBUS	MIKE BOKULICH	916 COLUMBIA DR.	AMHERST, OH	44001	(216)	988-2345	U
KQWW	DAVE VORE	665 HILLSIDE RD.	SEVEN HILLS, OH	44131			X
KABETK	JIM BLANCA	20701 LIBBY RD.	MAPLE HTS, OH	44137			N
KBBLH	JOHN SCHAFFNER	6079 MEESE RD.	LOUISVILLE, OH	44641	(216)	875-8703	F
KCBJH	GREG LEE	EUREKA STAR ROUTE	GALLIPOLIS, OH	45631	(614)	256-1414	D
KCBMK	JIM HURT	15060 SPRAGUE RD. APT. J4	CLEVELAND, OH	44130	(216)	234-1451	D
KCBXX	BRIAN SCHIEFERSTEIN	666 AUTUMN DR.	AMHERST, OH	44001	(216)	988-8857	X
KNBZ	JOHN SELLER	4925 S. HAMILTON RD.	GROVEPORT, OH	43125	(614)	836-3376	U
KOBM	TIM HERRICK	BOX 5127	WILLOWICK, OH	44094	(216)	585-0653	U
KSBG	DEAN SCARBROUGH	505 BUTTERNUT ST.	DESHLER, OH	43516	(419)	278-2162	F
KUBE	JEFF CLARKE	7081 HOLLYWOOD DR.	W CHESTER, OH	45069	(513)	779-0079	D
KWBN	BOB HAYES	9192 BENDER RD.	N RIDGEVILLE, OH	44039	(216)	327-4710	D
NBAA	JOHN COMELLA	27241 MARKBERRY DR.	EUCLID, OH	44132	(216)	261-4546	U
NBABL	BILL BISCHOFF	6945 CLARE ST.	SYLVANIA, OH	43560	(419)	537-4197	U
NBATR	PETE MICHAELIS	11725 POINT OVERLOOK PL.	STRONGSVILLE, OH	44136	(216)	238-3695	U
NBBTU	ALAN WEST	28472 CLEVELAND	LIVONIA, MI	48150	(313)	427-7981	N
NBCXX	JOHN TYMENSKY	18450 NORBORNE	REDFORD, MI	48240	(313)	532-1687	D
NBDCJ	DAN BOOKWALTER	745 WALWICK CT.	BEREA, OH	44017	(216)	234-0286	N
NBDET	CHRIS KINZEL	258 SPRUCE	HIGHLAND, MI	48031	(313)	887-4953	D
NBEA	JOE HOLSTEIN	1515 SASHABAW RD.	ORTONVILLE, MI	48462	(313)	628-0666	X
NBEDE	BARRY SCHIEFERSTEIN	2345 HAMILTON AV.	LORAIN, OH	44052	(216)	246-2830	X
NSET	BILL KELSEY	RT #1	MT. CORY, OH	45868			U
NABV	GREG CHAPOTON	45666 CASS	UTICA, MI	48087	(313)	739-4029	X
NABW	DARL DEEDS	8753 TR 48	FINDLAY, OH	45840	(419)	963-2442	D
NBCAR	DAN KOVATCH	2819 N BAYVIEW LANE	SANDUSKY, OH	44870	(419)	625-0310	N
NBFN	RANDY FARMER	919 LEATHERWOOD	NEW CARLISLE, OH	45344	(513)	845-3331	F
NBHD	KIM CULHAN	4975 HALSTEAD RD.	WEST BLOOMFIELD, MI	48033			U
NBKIC	BOB VALENTINO	2525 EDGEHILL	CLEVELAND HTS, OH	44106	(216)	371-8765	U
NBKUZ	DON JORDAN	1768 WOODHURST	DEFIANCE, OH	43512			U
NBLNO	JOE WARDEN	28 S HEMSTEAD	WESTERVILLE, OH	43081	(614)	891-7998	D
NBUA	MIKE SOCHA	3757 BRIGHTON RD.	HOWELL, MI	48843	(517)	546-9269	D
NBUPH	BOB GENSLER	820 CIRCLEVIEW DR.	TOLEDO, OH	43615	(419)	385-8082	N
NBWPC	RALPH BROWN	4115 SR 49	ARCANUM, OH	45304			N
NBQBF	RAY WEGHORST	3030 MARQUETTE CT.	INDIANAPOLIS, IN	47268	(317)	872-9669	D
NBRRR	RICK BERNARD	15928 DENBY	REDFORD, MI	48239	(313)	537-4027	D
NBYVR	PAT BARKEY	P.O. BOX 4076	ANN ARBOR, MI	48106	(313)	994-1129	N
NB3KKX	SCOTT JONES	93 WHITE AV.	SHARON, PA	16146			F
NBKKI	JOHN BASTIN	530 HIGH ST.	WOOSTER, OH	44691	(216)	264-3030	N
NBMMZ	MIKE METTLER	420 HIETT AV.	TOLEDO, OH	43609	(419)	243-0070	X
NBPHI	LARRY LEASKO	7291 MAPLE ST.	MENTOR, OH	44060	(216)	255-4193	N
NBVPV	JOHN UDVARI	828 DAVIS ST.	AKRON, OH	44310	(216)	535-5833	U
NBNTS	JIM GALT	9877 WILSON MILLS RD.	CHARDON, OH	44024	(216)	286-3483	N
NBBAUB	DOUG KLEIN	163 CANNON DR.	WOOSTER, OH	44691	(216)	345-8769	U
NBBIJP	TIM MITCHELL	P.O. BOX 299	VERMILLION, OH	44089	(216)	967-6343	U
NBBIXE	STEVE MILLER	220 FREYN DR.	CENTERVILLE, OH	45459	(513)	433-8090	F
NBBLLD	ELMER STEINGASS	521 N BEVER ST. APT 4	WOOSTER, OH	44691			N
NBBLXX	RON PEEBLES	514 UNION ST	PORTSMOUTH, OH	45662			U
NBMT	JOHN THERNES	60 LOCUST AV.	COVINGTON, KY	41017	(606)	331-0331	D

NBDM MARY MICHAELIS



## SS TIPS FROM THE MEMBERSHIP

de KBNZ:

1. Avoid the higher ends of the bands as long as possible. The CW operators there are 5-10 WPM slower and this will drag you down early in the contest. Use the higher ends later in the contest to pick up the slower ops.
2. Try to come up with a personal gimmick or plan to get you through the 'Sunday Blues'. Some type of motivator is a must to get you past the 12-5 P.M. period. For example, an hourly quota sheet or required band change time limit may help keep you going.

de KBMR:

1. Before the contest, decide on a band strategy for the first few hours. Some guys like to start on the highest band that is open and work their way down to 40M by sometime in the second hour. My suggestion is to start on 40M for one or two hours, then go to the higher bands and work back down.
2. Try to go to 20M for a few minutes around 0400Z. You can work a few W6's and maybe even find some hard-to-get western multipliers.

de K8CC:

1. The key to success on Sunday is to be willing to change bands often, for several bands will have SS stations on them at various times and some stations you will only hear on certain bands. Also, don't forget the Novice bands as a potential source of QSOs when the rate gets slow.
2. I have found that the last two hours of the contest (01-03Z) are often more productive than most other times on Sunday. Darkness has fallen for us W8's, so 40 and 80 are both open. The contest types that don't work SS seriously get on the last couple of hours to give out QSOs, so activity is better than during the afternoon.

## SWEEPSTAKES BENCHMARKS

Accumulated QSOs at certain times for several SS efforts

	call/year	22Z	00Z	03Z	09Z	15Z	21Z	03Z
CW:	K3LR (1981)	85	229	443	756	834	1018	1186
	KBNZ (1981)	71	208	380	680	772	928	1080
SSB:	K3UA (1981)	130	308	592	984	1133	1378	1579
	K8LX (1981)	94	247	475	896	1039	1309	1560

## \* \* FOR SALE \* \* \*

Heath Remote Coax Switch \$75, SB-610 Monitor Scope \$75, Datong ASP Speech Processor \$125  
 Dave Pruett KBCC (313) 425-8296

Drake TR7/RV7/PS7/3 filters \$850, 550 feet of 50 ohm 1/2 inch rubber jacketed hardline \$.50/foot  
 Dean Scarbrough KSBS (419) 278-2162

## MRRC SEPTEMBER SPRINT RESULTS-

CW		SSB	
K3LR	286/40	WABRRR	196/35
KBCC	243/36	KUBE	182/37
K8MR	232/37	AD8P	171/28
WBLND	227/37	W8CAR	161/32
WD8AUB	225/35	WB8KKI	144/31
KWBN	225/	WM4T	123/32
WSFN	203/34	WDBLLD	107/27
		KWBN	263/40
		WBLND	213/38
		W8CAR	174/35
		NBATR	150/36
		NB8TU	132/32
		N8CXX	123/28

Jeff Clarke KUBE is taking a crew to Anguilla for CQWW CW. They will be running three single band efforts: 80M-VP2ES(K8CV) 40M-VP2EEW(KUBE) and 20M-VP2??(KJOD). For those bands not covered by a major effort, he has proposed the following sked info:

VP2ES - 1829 rx /1810 tx at 0600-0700Z

VP2EEW - 21040 at 1500-1600Z and 28040 at 1600-1700Z

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

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