



August/September 1991

Editor: Tim O'Sullivan KE8OC

DOG DAYS

Well, here it is, the beginning of August, and right smack in the middle of the "Dog Days" of summer when everyone would rather be soaking up the sun and suds at the beach than doing what they must do to maintain their lifestyles in the manner in which they are accustomed. This is also the time when we should be finishing up our planned refurbishing of stations before the 91/92 contest season begins. (Actually I'm planning on taking mine down as I'm moving to a new QTH.) Or maybe the summer storms have done their best to undo much of the work already completed or caused an unplanned trip to the top of the tower for emergency repairs. Well if you're putting off doing something you should be doing, grab a cold one and sit back and see what's inside.

WHAT'S INSIDE

We got the blow by blow of the W8LT/VE3 Field Day expedition, the final tally on the Dayton suite, the usual installment from the Big Fish, SS prep, 7J3ABO and more.

THE MAD RIVER RADIO CLUB

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FROM THE TREASURER

First and foremost, **dues are due!** If you have not yet paid your dues, send them to Ken, WD9INF. The address is listed elsewhere in this issue of the Flash. There is also a note on your mailing label if you haven't yet paid your 91/92 dues. Dues are still only \$7.00.

Here's the report on the suite . . .

Receipts from the bar (Friday)	\$312.00
Receipts from the bar (Saturday)	\$185.00
Receipts from sale of leftovers (extra beer, pop)	\$ 70.00
TOTAL RECEIPTS	\$567.00
Suite bar expenses	\$343.57
Suite	\$350.00
TOTAL EXPENSES	\$693.57

While we didn't make money this year, we did host a fine suite and had a great time. Fortunately our current financial status is healthy enough to absorb this small loss. Thanks a million to everyone who helped, especially to Pat (NZ4K) and Steve (WD8IXE) who cleaned up Saturday night and to Tim (WD8IJP) who helped me set up Friday night.

Additional receipts for the month include 29 dues paid for \$203.

Additional expenses include \$30 for the video, \$40 for the ARRL plaque, and \$42.99 for the April issue of the Flash. The current checkbook balance is \$604.56. As of this writing, we have 34 paid up members.

The MAD RIVER RADIO CLUB net occurs every Monday evening at 8:30pm EDT on 3825 KHz ± QRM.

From the 'Big Fish'

By Dave Pruett, K8CC

The fall contest season is rapidly approaching. Do you have all of your summer antenna projects done? If not, then its time to get out into the yard and make those final adjustments before the weather turns cold. MRRC is looking forward to the fall contests as a club - will you be ready?

Things are not progressing very well at K8CC. The big May thunderstorm finished off the Telrex rotator under the 3L 40, and caused some other problems with the HDR-300 under the top 4L 20. Repairs on both rotators have been made, and the prognosis is good to have them re-installed by early August. Its a shame to expend all this work just to get back to where we were at the beginning of the summer, but those are the risks involved with big antennas.

K8CC improvements still on the schedule before fall include a new 5L/5L/5L stack for 28 MHz on the 90' tower, plus some sort of new high yagi at 130' for that band. For 80m, I plan to try a 4L wire log periodic based a design from Roger, N4ZC, to be aimed at Europe, plus slopers for the other directions. For 1.8 Mhz, I want to get the 120' shunt fed tower working again.

Ambitious stuff, eh? Never fear, come the end of October, K8CC will be QRV to lead the MRRC charge into the fall contest fray.

MRRRC ATTACKS VHF

You may not know it, but MRRC has a small, but growing contingent of members who are QRV on the nosebleed frequencies. K8CC is QRV with 80w to 4L on 50 MHz and 1000w to 12L on 144 MHz. K8MR and WD8AUB have 10w to 8L and 12L respectively on 144 MHz, while AC8W has 100w to a Boomer on the same band. OSU club station W8LT, manned by MRRRCers NZ4K and KU8E have gear and antennas for 50 and 144 MHz. Never one to do things in a small way, Doc, KN8Z has a 8877 which will soon be QRV on 144 MHz to a Boomer at 160'!

K8CC was active in the June VHF QSO Party, and worked K8MR, WD8AUB and AC8W on the bands. WD8IXE and NZ4K journeyed east as part of the KZ2S/3 crew from a hilltop in EPA. The contest was lots of fun with good conditions, but 10w on 50 MHz that weekend was one of the most frustrating things K8CC has ever done in amateur radio. The aurora on 2M made up for it, with lots of interesting grids to be worked via buzzsaw CW. The gang at KZ2S/3 must have

had a good time -the MRRRCers that participated have plans to do it again next year.

Next January will be the ARRL January VHF Sweepstakes, which is the only ARRL VHF contest that has an Affiliated Club Competition. I would like to propose a MRRC goal to have a club entry in this contest, which we have never done before. If the above-mentioned MRRRCers get on, we have the start for a decent club showing. In addition, we plan to coordinate some times and frequencies for the rest of us to get together and work each other on 2m simplex. If enough MRRC people get on, we ought to be able to make quite a dent in the Affiliated Club competition.

WOOSTER MRRC MEETING

The last weekend in July saw seventeen MRRC members and guests gather at the Wooster, OH QTH of Goose Steingass, WD8LLD (a.k.a. "The Gooster from Wooster"). K8CC and N0AON made the trek from Detroit, while the Columbus MRRC contingent was well represented by KU8E, NZ4K, WD8IXE, KN8Z, NZ8O, KC8MK and K7EG. Guests included K8YSE, W8XD, and W9ZR.

A great time was had touring the WD8LLD contest station - two towers with stacks on 14 and 21 MHz, 2L 40 and 5L 10, plus verticals on 160 and 80. Inside, Goose has three complete TS830S/MLA2500 stations with computers and packet radio support, all ready to go for multi-op competitions.

Business items at the meeting included organizing an MRRC NAQP CW Team, and noting the next MRRC meeting at N8ET during the Findlay weekend. A Columbus meeting for October was discussed, and Jim, K7EG was gracious enough to step forward and offer to host the event. Details will follow, but the meeting is tentatively scheduled for the second weekend in October.

ARRL NATIONAL CONVENTION

In case you didn't know, the ARRL National Convention will be held this year within the bounds of MRRC country, in Saginaw, MI on August 23-25, 1991. Any interest in a MRRC expedition to the convention? Don't expect Dayton, but the Nationals are often lots of fun. If interested, check with K8CC to scope out current

club plans (very sketchy at the moment).

'Big Fish' (continued)

1991 ARRL SWEEPSTAKES

As this is being written, the annual ARRL November Sweepstakes is three months away. SS is a contest where MRRC has traditionally done very well. This past year, MRRC was third in the Medium Club category, with 3.1 megapoints from 35 entries. Not a bad showing, considering that there was no concentrated push by the club to get people on for SS.

This year, we want to make a concentrated push to get EVERYONE on for SS. Traditionally, there are those among us who are die-hard SS fanatics (as evidenced by the number of SS records held by MRRC members). A good number of MRRC people get on for a few hours just to "make a few points for the club". The rest of us are probably drinking beer and watching football...

The first group pretty much already knows what they will be doing on the appropriate weekends in November. For groups two and three, MRRC is going to do whatever it can to make you want to make a few QSOs and drive the club score through the ceiling.

First of all, the dates: SS CW is November 2-3, 1991, while SS SSB is November 16-17, 1991. Contest-wise, November is slightly strange this year. CQWW CW should be November 23-24, with Thanksgiving the following week. With some additional time between SS SSB and the holidays, perhaps more of us can find time to work the contests.

Second, beginning this issue and continuing through the next we will be featuring articles on Sweepstakes. This time, K8CC will offer some observations on how to set up your station for SS. Next issue will focus on strategy, and we are looking for articles and tips on how to do better in SS. Come on, you serious SSers! How about sharing some of your secrets with us?

Third, will be a grass-roots effort to get everybody on. Next issue should have a list of those who will be serious competing and in what categories. We will also update the "ten best" scores in each category from Michigan and Ohio. Finally, there will be an effort to contact people directly to encourage them to get on.

Why we are going to all this bother for SS? It is the fervent belief of your club president that

contesters like a challenge, as long as it fits in with the rest of their lives. Some people have the time and motivation to commit themselves to one or both SS weekends. However, the majority of us have jobs and families that prevent us from total freedom in choosing our operating activities.

I believe that a concerted SS effort is a good project for our club to undertake. "Little pistols" and those with limited time can contribute whatever they can, and still be a part of a much larger whole. Also, although I believe that our "hard-core" SSers operate the contest mainly for their own personal goals, they also enjoy contributing toward a club score that they know has the support of a good turnout from our small stations and part-timers. These small scores can mean a big boost for the "big guns" also - in SS, every QSO is valuable, and more people on the air generally means more QSOs.

Again, our goal will be to get EVERYONE on. We will not attempt to "engineer" the club score to get the "best" fifty entries and win the Medium Category. It would please your 'Big Fish' immensely if the MRRC turnout in SS bumped our club into the Unlimited Category. Although there are a limited number of clubs in Unlimited, our very presence in the category would add to awareness about our club.

QUOTE OF THE MONTH

Those of you who attended the Columbus MRRC meeting in February may remember a guest, Paul Reiter, WY7I, who came down with the Detroit contingent. Paul is a computer consultant who was doing a three-month stint for a company here in Detroit. He's now back in W7-land and, having seen a glimpse of how MRRC operates (uh-oh!), called recently to ask advice on starting a contest club out in his area.

Paul told me that he mentioned MRRC while recently talking up the idea of starting a new club with some local W7 contesters at the Northwest DX Convention. He told me that most of the W7 gang knew who we were. They told Paul that that they knew MRRC was a huge contest club that had "hundreds" of members on their roster. If these guys only knew!

Our notoriety precedes us...let's see if we can live up to our reputation!

Hope to see y'all at Findlay!

73 de Dave, K8CC

W8LT/VE3, Pelee Island Field Day Adventure

By Jeff Clarke, KU8E

This past Spring at one of our informal Sunday night OSU radio club meetings the topic of Field Day popped up. In discussing a possible location to operate from, one of the members of the club, Rob, WD8LXX, made the suggestion that we go to Pelee Island, a Canadian island in the western end of Lake Erie. (Pelee is the southern most point in Canada) A buddy of Rob's and former radio club member, Tom, WB8HJL, had operated there before and mentioned good propagation, sunny weather, and nice beaches which sounded like a good combination to all of us!

In the middle of May, NZ4K, WD8LXX, and myself left early one Sunday morning and drove to Kingsville, Ontario to catch the ferry to Pelee to check out possible operating locations. Unfortunately for us, we missed the boat by about 10 minutes. This was the only ferry to Pelee during this time of the year so we decided to play tourist and drove over to Point Pelee National Park to check it out as a possible backup QTH.

We found plenty of locations that would be nice for Field Day, but unfortunately they didn't allow camping. The trip wasn't a total waste. Point Pelee is a beautiful park. It was full of nice trails and beaches and had plenty of wildlife. (If you are into bird watching this is the place to go!) The thing I noticed the most was how clean it was compared to some of the American parks I have been to. We spent the afternoon hiking and went out to the Point. The narrow strip of sand full of driftwood with the waves of Lake Erie breaking on the east side of it looked strikingly similar to the picture on my Clipperton card. For a while we were joking around about coming back with a camera sometime and get a picture to print up some W8LT/FOOX cards!

By late May we hadn't found a location to operate, so on the Saturday of Memorial Day weekend, I gave NZ4K a call to see if he wanted to try to go to Pelee again. He said OK, so that Sunday morning we drove to Kingsville to catch the ferry. This time we made it in time !! (just barely) We caught the MV Pelee Islander and made the trip in little over an hour. When we arrived on Pelee we discovered we had grossly misjudged the size of the island. The ferry from Canada docked at the north pier which was about 5 miles away from the main business district. There wasn't anywhere to rent bicycles (which was our plan) at the north dock, so we started walking. When it started raining after about a half hour I started to

wonder why I was doing this!!!!

Luckily for us, one of the locals driving by in his beat up pickup truck stopped and gave us a lift into town. When we got to town we had breakfast at the Pelee Island Hotel (a good deal for the money), and by the time we were finished it had stopped raining. We found a place to rent bikes right across the street and headed off to scope out the island.

Pelee for the most part is undiscovered and tranquil in nature. The interior is farms (this is about the only place suitable for growing grapes for wine in Canada), and the coast is dotted by cottages. The east coast of the island reminds you of the Carolinas with its beach houses up on stilts. When we were riding around the southern shore of the island we happened to come across a couple from Toledo who owned a cottage on the island. After telling them what our plans were, they agreed to rent it to us for a very reasonable price for Field Day weekend. With an operating location in hand, we continued our bike ride, had lunch, and caught the ferry back to Kingsville and headed home.

The big weekend arrived!!! Friday afternoon of Field Day weekend the W8LT/m convoy of WD8IXE, KC3N, WD8LXX, and KU8E headed for the Huron, Ohio QTH of WB8HJL (with a detour to the Bogey Inn for a beer to celebrate the first day of summer). That evening after pizza at the Dockside in Huron, we proceeded to the grocery store to pickup our supplies (five 12-packs of Molsen's included of course) and headed back to Tom's for beer and cards before we hit the sack.

The next morning the five of us boarded the MV Pelee Islander in Sandusky for the two hour trip to Pelee. This is when the real fun started. The morning we left there were gale warnings on the lake with winds from the northeast at 30 knots, which really whipped up the waves on the lake. We found this out as soon as we left the friendly confines of Sandusky Bay. The waves on the lake had to be at least 6-7 feet and we were heading right into them which to say the least made the ride a little bumpy. Waves were coming over the bow of the ship and you had the feeling you were on a roller coaster at Cedar Point, not a large ferry boat. We were all elated when we reached Pelee (especially WD8LXX who got a little seasick on the way over).

W8LT/VE3 (continued)

The weekend went pretty well. Our Field Day setup consisted of a TS-930s, my laptop computer to log (using NA of course), and a center fed zepp up about 40 feet. I was really pleased that we made over 1200 QSOs in 1A using this setup. Next year though we will probably take a beam because the zepp just didn't cut it above 20 meters.

You may ask why we went to all this trouble for field day? To tell you the truth I really don't know why we did. I thought about it in the week following Field Day. In my case I think I went for the sense of adventure (I love to travel). I had never been to Canada before this trip and the idea of operating from a foreign country seemed intriguing. (I know Canada is not VP2 but.....hey it is a foreign country.) As far as we know there are no hams on Pelee and it should count for the IOTA award. It also seemed like a lot of the VE3 stations that we worked wanted to work us with their home calls for some kind of Canadian island award. Lastly, we had a great time and that's what Field Day and ham radio is all about.

W8LT/VE3 FD 1991

band	CW QSOs	SSB QSOs
160	0	0
80	229	329
40	328	210
20	55	21
15	17	11
10	0	13
tot	629	584

Total QSOs: 1,213

Total points: 1,842

Final Score: 3,684 points

THE CONTINUING SAGA OF 7J3ABO

By Dennis Ward, KT8X

Here is a picture from an article sent to me by Ted, K8AQM/7J3ABO. He's on a local radio show called "Learn English with Ted and

Tomoko". He claims its the #1 local radio show in his area, and that he has lost his amateur status to professional!

FINDLAY MRRC MEETING

The next Mad River meeting will be held on-site during the Findlay Hamfest at noon on Sunday September 8, 1991. The meeting location will be announced over the PA system, so be QRV for the call. Issues for the meeting will include our planned efforts in the fall contests and upcoming meeting plans.

As in previous years, the night before the hamfest will feature the N8ET bash at Bill and Tina Kelsey's. The festivities will begin around 5PM, and will run until everyone goes home. The food will be burgers and hot dogs on the grill with typical picnic fare. The club will provide the food and refreshments (pop and beer), so bring yourself and be ready for a good time.

Traditionally, the N8ET bash has been one of the premier events on the MRRC calendar. Bill has moved to a new location since last year, so be sure to check out the map on the last page of the newsletter. Bill will also have hamfest tickets available as usual at pre-hamfest prices. So come on out and have a blast at the bash!

Directions to N8ET:

Exit I-75 at US route 68 south. Follow US-68 to Western Avenue exit. You want to take TR-81 west to TR-77 south. Follow TR-77 to TR-80, where you turn left and follow to Spring Lake Drive. N8ET is on the corner, but the only antenna is a Ringo Ranger on the chimney.

N8ET phone: (419) 423-5643

Talk in: W8FT/r 147.15 (+600)

PREPARING FOR SWEEPSTAKES

Part I - Antennas and Radios

By Dave Pruett, K8CC

Sweepstakes is probably my favorite contest. For the most part, it is easy for a W8 to get out effectively, however it can be difficult to generate a national-class score. This article is the first of two parts on preparing for the November SS. Since we are still enjoying the fine summer weather, this first installment will focus on station hardware. Next issue, we will cover operating strategy and preparation.

Whether you are a "big gun" or "little pistol", your station can probably benefit from these SS tips. The improvements are most noticeable to the 24 hour 100% effort, but station effectiveness is a factor even when operating part time.

ANTENNAS AND BANDS

Requirements for SS antennas can be summed up in one word: GEOGRAPHIC COVERAGE. Sometimes this coverage is limited by the propagation skip zone on a given band, but as a general rule, antennas that cover large areas are best.

From W8 in SS, coverage comes in one of two forms. One type of coverage is relatively short-distance and high angle, covering everything east of the Mississippi. This type of propagation covers the major population centers, which means good rates and lots of people to work. The second type of coverage from W8 is longer distance, covering everything west of the Mississippi. Although you would think there would be lots of W6s and W7s to work, the rate is never as good, and it seems that you run out of these stations quickly.

Since you can only work a station once in SS, it pays to think of the contest as one big band, and change frequency bands as necessary to find propagation that will keep up the rate. QSO totals by band are of only passing interest, however they can be indicators of successful strategy.

In the 1990 CW SS from K8CC, 860 of 1165 QSOs (74%) were made on 7 MHz. On SSB, with WD8IJP operating, 769 of 1472 QSOs were made on that band. This should tell you that from W8 in SS, there's "no meters like forty meters".

Check out these band breakdowns from K8CC in the 1990 SS:

band	CW	SSB
80	85	209
40	860	769
20	48	327
15	33	64
10	139	103
total:	1165	1472

On both CW and SSB, the big band was 40m. The CW total in particular is incredibly biased towards this band. This is not in the least disturbing - in talking to successful SSers in this area, the more you focus on 40m, the more your score seems to improve.

On CW, 10m was a surprise in that backscatter was reasonably productive the second hour of the contest. However, this may have simply siphoned off QSOs from 20m and 15m. The small 80m total is not typical, however it is likely that many of QSOs from that band were worked instead on 40m.

On SSB, 40m did not start off well, as 10m conditions were good, thus drawing stations up high. Nonetheless, consistent 40m operation netted 52% of the overall QSO total. The fact that 20m outpaced 80m is not typical, but reflects reasonable daytime short-skip conditions.

In SS, your most important antenna is a moderately high (30'-50') 40m dipole for working within a 500 mile radius (which just about covers the eastern half of W/VE). It doesn't matter how big your 40m beam is (mine weighs over 200 lbs. and is larger than my house!), a W8 will live and die in SS by his 40m dipole. This is not to say that a beam is of no use. I had two dipoles and my 3L yagi in 1990, and was continuously surprised how often switching antennas would improve a difficult rx situation. However, I would bet that 700+ QSOs were made on my lowly 50' high SS dipole.

The second most important SS antenna for the W8 is his 80m dipole. This will be your main nighttime antenna, again for working inside the 500 mile radius. Height does not seem to matter too much, try to get up at least 40', but up to 100' is better. DO NOT try to use verticals on this band - you will be real loud in W6 land around 09Z, but so what? If you have beverages available, you can use them but keep checking various headings so as not to miss anybody.

Preparing for SS (continued)

As much as we might hate to admit it, 20/15/10 meters are not prime SS bands from W8. The problem lies in the skip zone we are presented with, which usually restricts us to working west of the Mississippi. Again, our problem is that there are too few people to work in that direction, which prevents us from generating any really good rate.

On CW, most any good tribander will get the job done in SS on the high bands. Gain helps on SSB, but even so, it's hard to hold a frequency against a W5 that has a bigger target audience. From K8CC, we have had good results using a stack with the antennas "sprayed" in different directions, one west and the other southwest or southeast. With a single antenna, the preferred heights are between 50' and 70'.

Once you have these antennas, you are at least 90% of the way to a ultimate SS station - anything further is simply icing on the cake. It's nice to have a beam at night on 40m to run west coast, or a low angle antenna for the same path on 80m. However, this type of activity is only marginally useful - don't forget, most of your QSOs come from the east.

SETTING UP THE RIG

With your antenna farm in place, your attention should now turn to the shack. Experience has shown that without a doubt, after antennas and strategy, the biggest improvement in SS performance results from the addition of a second radio.

Now, before you protest that you cannot afford a second radio, consider a few ideas. First, think if you have a ham friend (maybe a non-contester) that you can borrow a rig from. Maybe you like CW and he likes SSB, or is a DXer who cannot fathom why you want to make domestic QSOs. The crucial thing is to find a second rig.

How you set up your second station depends on several factors, such as rig quality, high or low power, etc. The discussion might be easier if we use some scenarios as examples.

Let's assume that you have a competition grade radio w/amplifier, and that you can borrow another similar setup. The best possible configuration for SS is to put dedicate one radio/amp to 40m, and to bandswitch the other station across the remaining bands. This requires that our 40m antennas have separate feedlines from the other

bands, which is not too serious of a requirement. This goes along with our previous discussion that focusing on 40m is our prime objective. Using a clever dual-station rig switching setup, you can CQ on one band while search-and-pouncing on another with the second radio to find new QSOs.

Suppose that the second rig either has no amplifier, or perhaps is not quite a contest-grade radio. The second possibility is to hook this second radio to a simple trap vertical or dipole. Always use your main rig to CQ, and sweep ANY other band with the second radio. If you think about it, there are very few stations that you cannot work with a barefoot rig and a multiband antenna in SS. You don't need to be loud, because you won't be CQing with this rig. One good point of this setup is that you don't necessarily have to disrupt your existing antenna setup. Caution is necessary, however, to make sure that the second antenna is adequately separated such that RF from the main antennas do not damage the second radio.

Another plan if you cannot borrow a second amplifier is to go "A" power barefoot. Using the second rig in either of the above configurations will result in a VERY competitive SS station.

How to do station switching is a very personal thing, with each operator having a preference as to what works for them. The absolute minimum is a setup where a single switch transfers all signal lines (headphone, keyer or microphone) between the two radios. The next step is some capability where you can CQ on one radio and monitor the other. One possibility is a split headphone setup, with the right radio in the right ear, and the left radio in the left ear. Some people operate this way ALL weekend, but even so it is preferred to be able to select mono or split operation as the occasion demands. Another option is what K8CC refers to as "Automatic Receiver switching", or ARS. With ARS, with the touch of a button your mono headphones are swapped to the second radio while CQing, and return automatically when the VOX relay drops out. See the CONTEST AERIALS column in the September/October 1990 NCJ, or contact K8CC.

To summarize: concentrate on 40m, high angle skip is preferred, beg, borrow or steal two radios, and be prepared to bandswitch like crazy.

Next month: STRATEGY!

ROSTER

Mad River Radio Club

AA8AV	Ken Meier	280 Woodland Drive	South Lyon	MI	48178	(313) 437-2277
AC8W	Stan Arnett	801 Range Road	Port Huron	MI	48060	(313) 364-6674
AD8C	Jay Ryno	10363 Grove Road	Bluffton	OH	45817	(419) 358-1188
AF8A	Gary Mikitiin	6389 Eastondale Road	Mayfield Hts	OH	44124	
K3LA	Barney Scholl	P.O. Box 673	Sharon	PA	16146	
K8AQM	Ted Rachwal	1600 Wolf Creek Hwy	Adrian	MI	49221	(517) 263-4066
K8CC	Dave Pruett	2727 Harris Road	Ypsilanti	MI	48198	(313) 481-0755
K8CV	Walt Amos	4612 Woodland	Royal Oak	MI	48073	
K7EG	Jim Denny	5107 Riverside Drive	Delaware	OH	43015	(614) 881-5505
K8DD	Hank Kohl	1640 Henry	Port Huron	MI	48060	(313) 982-7088
K8JM	John Millett	1206 Rosewood	Ferndale	MI	48220	(313) 399-6041
K8MJZ	Stan Barczak	11220 Churchill Road	Rives Junction	MI	49277	(517) 569-2008
K8MR	Jim Stahl	30499 Jackson Road	Chagrin Falls	OH	44022	(216) 831-6954
KA8POW	Chuck Hannemann	4123 Seneca Highway	Clayton	MI	49235	(517) 445-2570
KB8AIZ	Larry Linder	2001 Ida Maybee	Monroe	MI	48161	
KB8ECG	Dave Gafner	841 Valley Circle Drive #103	Saline	MI	48176	(313) 429-8199
KC8EK	Jim White	9550 Dixon Road	Rives Junction	MI	49277	(517) 569-2632
KC8MK	Jim Hurt	P. O. Box 20271	Columbus	OH	43220	(614) 442-0324
KE8FX	Bob Hall	760 N Maple Grove	Hudson	MI	49247	(517) 448-8349
KE8OC	Tim O'Sullivan	744 Foothill	Canton	MI	48188	(313) 397-9732
KI8W	Barry Martz	2663 Hammond Hgld. Drive	Traverse City	MI	49684	(616) 946-8379
KN8S	John Sullivan	1731 Walnut Ridge Circle	Canton	MI	48187	(313) 981-2641
KN8Z	Doc Sheller	495 Main Street	Groveport	OH	43125	
KO9Y	Greg Clark	6400 Village Park Dr Bldg 6#102	West Bloomfield	MI	48322	
KT8X	Dennis Ward	335 Abbot Hall MSU	E Lansing	MI	48825	(517) 355-6375
KU8E	Jeff Clarke	7382 Bridewater Blvd	Worthington	OH	43235	(614) 764-4621
KW8N	Bob Hayes	9192 Bender Road	N Ridgeville	OH	44039	(216) 327-4710
NOAON	Mike Bruening	10415 S M-106	Munith	MI	49259	(517) 596-2651
N8ATR	Pete Michaelis	12224 E River Road	Columbia Station	OH	44028	(216) 236-5426
N8CEO	Maurice Schietecatte	5677 Mason Road W	Fowlerville	MI	48836	(517) 548-1359
N8CQA	Buck Switzer	654 Georgia	Marysville	MI	48040	(313) 364-9640
N8CXX	John Tymensky	12333 Sandy Bottom Drive	South Lyon	MI	48178	(313) 437-7147
N8DMM	Mary Michaelis	12224 E River Road	Columbia Station	OH	44028	(216) 236-5426
N8JMN	Kevin Brooks	11639 Teachout Road	Onsted	MI	49265	(517) 467-7695
N8EA	Joe Holstein	1515 Sashabaw	Ortonville	MI	48462	(313) 628-7455
N8ET	Bill Kelsey	3521 Springlake Drive	Findlay	OH	45840	(419) 423-5643
NA8V	Greg Chapoton	45666 Cass	Utica	MI	48317	(313) 739-4029
NU8Z	Mark Hinkleman	108 E Kilbuck Street	Tecumseh	MI	49286	(517) 423-5906
NZ4K	Pat Collins	815 N High Street #17	Columbus	OH	43215	(614) 291-6927
NZ8O	Dick Bennett	275 Forward Pass	Pataskala	OH	43062	
VE2ZP	David Goodwin	15 Promenade Oval	Aylmer	QU	J9H1T9	(819) 684-1432
W8CAR	Dan Kovatch	2256 Pipe Street	Sandusky	OH	44870	(419) 625-4666
W8FN	Randy Farmer	8115 S Palmer Road	New Carlisle	OH	45344	(513) 845-3331
W8IQ	Kurt Meyers	2376 Dana Street	Toledo	OH	43609	(419) 385-6437
W8UA	Mike Socha	3757 Brighton Road	Howell	MI	48843	(517) 546-9269
W8UPH	Bob Gensler	820 Circleview Drive	Toledo	OH	43615	(419) 385-8082
W8WD	Brian Petku	8909 Sashabaw Road	Clarkston	MI	48348	(313) 620-1127
WA8RRR	Rick Bernard	8911 Lapham	Livonia	MI	48154	(313) 591-7649
WA8VMS	Mike Polom	20905 Andover	Southfield	MI	48076	(313) 352-3018
WA8YVR	Pat Barkey	559 Heatherbrook	Westerville	OH	43081	
WB8VMN	Tom Pruett	521 Larchmont	Westland	MI	48185	(313) 722-3642
WB8WTS	Jim Galm	9877 Wilson Mills Road	Chardon	OH	44024	
WD8AUB	Doug Klein	164 Third Street	Wadsworth	OH	44281	
WD8JJP	Tim Mitchell	6016 Granville	Sylvania	OH	43560	(419) 882-1149
WD8IXE	Steve Miller	220 Freyn Drive	Centerville	OH	45458	(513) 433-8090

WD8LLD	Goose Steingass	1690 N Honeytown Road	Wooster	OH	44691	(216) 262-6866
WD9INF	Ken Rogner	2520 Centennial Road	Toledo	OH	43617	(419) 841-8781
WE8Z	Denny Boydston	2383 East Clearview	Adrian	MI	49221	(517) 265-8054
WI8L	John Miller	16831 Stephens	E Detroit	MI	48021	(313) 773-6943
WI8W	Tom Durfee	1111 Catherine #75	Big Rapids	MI	49307	
WR8W	Rick Pugh	510 Marie	Westland	MI	48185	(313) 595-8936
WU2B	Joe Warden	4344 Campry Lane	Dublin	OH	43017	(614) 791-0161

President's note:

Not all of the above people have their dues up to date, but we did not want to omit them from this printing of the roster. Please check your mailing label - if you're overdue, there will be a notation to that effect. Please get your dues in so that you can continue receiving the 'FLASH' and being part of MRRC.

KM9P Advertisement

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