

edited by  
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the official journal of the MAD RIVER RADIO CLUB

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[illegible]

In the beginning was the Potomac Valley Radio Club and the Frankfort Radio Club. In the contests they would go head to head, and when it was all over they would congratulate each other, and say it was good.

Over the years FRC drifted away from the domestic contests and toward the DX contests. Murphy's Mauraders was born and took on the job of providing competition for the PVRC. It was still all simple, and it was good.

In the spring of 1970, at the urging of people from the other side of the country, the ARRL Board of Directors voted to extend the limits for club territories to 175 miles. The Atlantic Division Director was not sure this was good, and asked to be recorded as voting against. The July 1970 issue of QST announced this change, with the Operating News column including examples such as a New York City club covering from Baltimore to Boston.

Living in the Center of Ohio was Dick Bennett, KBEHU. He looked at what such a radius would cover in his neighborhood. He also asked how much area might be covered by careful location of the center of this 175 mile radius circle. With a circular paper cutout and a Gulf road map, he discovered that it could cover such cities as Detroit, Indianapolis, Louisville, Cincinnati, Pittsburgh and Cleveland.

At Dayton in April 1971 KBEHU approached various big guns about forming a club covering such an area. On Saturday morning, April 24, 1971, a group of a dozen or so contesters ate breakfast at the VJ Pancake House across the street from the Dayton Sheraton (later the Biltmore Towers), which was the downtown Hamfest hotel in those days.

*continued page 9*

The MRRRC 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 W8LND at the address shown on the masthead. Join the Mad River Net on 3825 Khz at 8:30 Eastern each Monday evening.

**THE GREAT TEXAS ARMADILLO RUN OF 1986**

Beginning in 1983, the Texas DX Society (TDXS) has participated with the County Hunters to activate large numbers of counties in the great southwest during the CW weekend of the County Hunters' contest. In 1983 TDXS put every one of the 254 Texas counties on the air and sponsored a sub-event won by K1ZX. Jim will forever be known as 'Dillo Killer by all who attended the 1983 ARRL National Convention in Houston, the site of the awards presentation. Jim attended as a guest of TDXS. In 1984 the South Texas Crazies activated all counties in Louisiana, Arkansas and Mississippi. Quite a display of mobilization.

Everyone knows how many Texas Aggies it takes to eat an Armadillo; however, no one is quite sure how many mobile stations it will take to activate every county in this USA during the 1986 County Hunters Contest. That is the goal of TDXS for the 1986 celebration of the 150th anniversary of the Lone Star State.

Tom Taormina, K5RC, is soliciting the support of clubs such as MRRC to give the TDXS a hand in reaching the lofty goal of putting every county in the lower 48 on for the CHC. Only those with airplanes should volunteer for Montana. As a club, we could tackle Michigan, Ohio and West Virginia. I suspect that between home stations and two man mobile units, probably four, we could handle it over the CW and SSB weekends of the CHC. I would imagine that they will come up with some sub-contest to make it more interesting for the mobilizers.

Some will ask, why should I do this? Darned if I know, but it does sound like fun. Think it over. We'll have plenty of time to talk it over before we need to make a decision. It is an unusual but a very good club activity. de WBLNO

**ORGANIZATIONAL MATTERS**

Clubs need a base of active members if they are to sustain themselves over time and serve as a source of pride and enjoyment for their members. MRRC has somehow survived the trauma of SweepStakes disqualification, years of low activity, and the disgusting photofinish with the North Texas Contest Club for the 1983 SS gavel.

The Club has enjoyed good leadership, considerable comradeship and an increasing legion of loyal, but aging, members. If all parts of the MRRC service area are to thrive it seems important that a regional organization be created. Such an organization would facilitate rallying the troops for club contest competition, provide a source of local contact for those building or repairing stations, and in the long run, cause the Club to improve and grow.

K8CC advises that there is considerable interest nationally in changing the rules which govern club membership requirements, attendance of meetings, etc. There are things we can do now to make the best of the current, unfortunate rules and to be positioned to prosper in an improved environment. de WBLNO

ARRL DX CW from Honduras  
by Dave Pruett K8CC/HR1DAP

Is there a DX contester on the face of this earth who hasn't sat in a Caribbean pileup and momentarily dreamed of being at the other end? The 1984 ARRL DX CW Contest was my opportunity to sample 'the good life' where the runs (hopefully) never go dry. My brother Tom WB8VMN/HR1 was getting married in Tegucigalpa on the Saturday before the contest, so it seemed like the perfect chance to hang around for a week and be DX. The Honduran government will not issue a HR call to non-residents, so I expected to be K8CC/HR1 as I was on my last trip down there in 1979. However, Tom managed to get Hondutel (the Honduran FCC) to grant me a two week license as HR1DAP. With a regular call in use, the trip was definitely ON!

Preparations started with the purchase of a used FT107M XCVR to take along since I didn't cherish the thought of hand carrying a C-Line for a day of traveling on three airline flights. My passport was renewed, and \$500 purchased a round trip airplane ticket. I packed my trusty 1976 vintage Accu-memory & paddle, a digital clock, headphones and PLENTY of logsheets. I took along wire and antenna parts to make low-band antennas, but I couldn't be sure what could be implemented until I saw Tom's yard.

My parents had gone down three days earlier to help with wedding preparations. I traveled by myself, trusty FT107M under one arm, the other carrying a garment bag with my wedding clothes, film and other wedding necessities which could not be risked to the airlines. This was a wise precaution since one of my suitcases didn't arrive for three days. Detroit to Atlanta on Eastern and get off. Atlanta to New Orleans on Eastern and get off. In New Orleans, my garment bag broke while I was doing my best O. J. Simpson act running from one end of the airport to the other. Finally, TAN Airlines from New Orleans to VS-land and at last to HR1. We arrived late 15 minutes before nightfall - had it been dark, we would have been diverted to YS1 since Tegucigalpa has no ILS or runway lights. What fun !!

Tom's wedding was the next day, the Saturday before the contest. Everything went as planned, but punctual is not in the Honduran vocabulary. Forty-five minutes before the wedding, the bride is at the hairdressers and her dress is ten miles away. They came down the aisle forty-five minutes late, but that was OK since guests were still arriving anyway. Two receptions (one Spanish, one English), then the bride and groom were off for a three day honeymoon.

My next three days were spent reconnoitering the backyard, which measured about 30 feet by 30 feet. Tom had a 40' tower with a rotary Classic 36 on top. On my 1979 trip, I had left behind a 40M dipole and 100' of RG58. These items were located and in short order I had a 40M quarter wave sloper from the tower top. It tuned up OK, and I spent that evening on 40M CW signing WB8VMN/HR1 since my license wasn't valid until the following day. Flushed with success, the next morning I added a 40M Unadilla trap and the remaining wire to make the antenna an 80/40 sloper. This combination also tuned up OK, and I was beginning to believe that we might be ready.

On Wednesday, Tom and his wife returned and my parents were put on a plane for home. The next day, we wired up his L4B to the 220 VAC service - with the FT107 driving it on the CW position, the amp ran cool and delivered 800 reliable watts to the antenna. The last remaining project and major unknown was a 160 meter antenna.

On Friday, the morning of the contest, local circumstances required that I was awake at 1200Z - I would have preferred to have slept much of that day to get ready for the marathon. I managed to get the shuntfeed system installed on the tower as outlined in the April 1984 MRRRC 'Flash'. It tuned up nicely but I had no idea how well it would work with no radials and only a single 4" ground rod. Also, the L4B doesn't work on 160, so I was barefoot on that band.

Its 2300Z and I'm on 20M CW running guys and getting warmed up. There's Dan N8DCJ over at 8P6G, says that I had better work hard because he's gonna win - just who does this guy think he is? It's 0000Z and here we go - W5FO 599 KW - the first ten minutes produces 32 QSOs - WOW, is this fun. The first hour on 20M is 171 QSOs, and the pile dried up once or twice. The next hour is 151, then 144 with a band change to 40M. That little sloper really works - I pick my spot and take off. The first full hour on 40 is another 144, then 120 and 126. Its amazing how many CQs you have to call and still turn in two per minute. 8P6G opens up on me and refuses to go away - at least people are still calling me and he eventually leaves. At 0600Z it's time to see how well the 160M antenna works.

160 is reasonably quiet, but not much going on. Drop the L4B off-line and try a CQ - no answer. Another, no answer. Oh no, without a reasonable 160 multiplier I'm gonna get beat bad. One more CQ - ah, there's N4IN calling from FL, then GA and TX - at least I'll have three mults. Then W3BGN calls in and he must have put me out on 2M FM because it all breaks loose - KN3O, W3LPL, K3ZUF and AA1K/3 in DE along with KS8S (who?) for QSO #10. Then the W1s and W2s start and I begin to believe the antenna might actually work. The entire 06Z hour was spent on 160 which only produced 34 QSOs, but 16 multipliers including almost all of W1, W2 and W3.

I decide to stay up all night - the adreneline is pumping and I'm not sleepy. Up to 80 meters at 07Z. First hour 92, then 114 between 80 and 40 and its back to 160. The 09Z hour only produces 24 QSOs, but ten more mults which I'm grateful for. I decide to spend shorter times at the beginning of the hour on 160, then finish the hour on 80. This works well and I move N8II, N4KG and N5DX to 160 for three more mults - I finish the first night with 85 QSOs and 29 multipliers on that band with which I am pleased.

12Z and its time to follow the MUF upwards. The nighttime rates were all in the 80 to 90 range, due to all that slow 160 time. I work my way up through 80 and 40 - each runs well for a few minutes, then the customers go away and I reach for the bandswitch. The 13Z hour on 20M produces 122 QSOs - that's more like it. 15M starts at 14Z, a 110 hour then 127 and 140. I hit 10 meters at 1643Z - the next 17 minutes nets 53 QSOs - hot dog! The 17Z hour is 162, then 146 and it is apparent the band is only open south.

In the 19Z hour the FT107M develops a problem - the rig would go to transmit but there is no drive on the ALC meter and no output. Pounding on the rig sometimes helps, but the rate drops to 99 for that hour while I operate and troubleshoot at the same time. I take the top cover off the rig and it seems to settle down but the problem is intermittent all weekend. 21 & 22Z produce 139 and 133 hours on 15M, 20M is good at 23Z and I finish the first day with 2800 QSOs.

I have been awake for 36 hours straight and at the radio for 24, save for brief sandwich jaunts and bathroom runs. 20M dries up earlier than the first night so its down to 40M. I must be more tired than I think, because I can tell my sending is getting sloppy. I made the mistake of not using my memory keyer more the first day and now my fist aches like crazy. Everyone who asks for a sked is told that 05Z will be 80M and 06Z will be 160M, I hope to survive that long. At 05Z, I stop for a sandwich - I feel like a zombie.

Back to the radio, and I get a really big pile going on 80M. I can tell stations are calling long and I must be hard to hear. The pile dries up about 0545Z, so I go to 160M early. One CQ and WHAM! - 40 minutes produces 34 QSOs and the 33rd multiplier. I hear a well known station who I know cheats on DXCC and runs a pair of 4-1000s - I deliberately ignore his calls. Finally, at 0625Z my brain gives out - I give the radio a loud raspberry and shut it off with the pack still calling.

Seven hours later and I wake to daylight. It's past 1300Z as I struggle to escape my coma and stumble to the radio. 20M is empty so I start on 15M. Oh-oh, the Europeans are louder than USA and the Ws must have their beams aimed NE. Every 200W station in Europe would rather work HR1 than W - a pity this isn't CQWW. I QSY to 10M hoping to escape EU and gain some attention, but the same reception awaits me there. The rate hovers between 80 & 90 until Europe dies around 1800Z. From then on its between 110 to 120 for a couple of hours on 10M and then its follow the MUF down again.

2200Z and the end is in sight. I've asked a couple of Dakotas to look for me - only one shows. Thirty minutes left and 20M goes dry. QSY to 40M, lots of stations but I guess everyone has worked me. W5XZ asks for a last minute sked on 160 - it's a mult for me too, and we work at 2358Z. Then, after 4361 QSOs, it's over!!!

I don't feel too bad. 3830 is a mess, and the Caribbean guys that I want to compare scores with don't show. Tom and his wife want to go see 'Raiders of the Lost Ark' - you gotta be kidding!

The next day its up at 1130Z for the trip from TGU to VP1 and finally New Orleans as I scan the logs for multipliers on the plane. I spend the afternoon with W5XZ, then it's Delta to Cincinnati and finally Detroit and home.

In the following months, after the duping and dust had settled, the results showed that I had won! The expense and effort (and the Montezuma's revenge) were worth it - the number one single op score in the world in the 1984 ARRL CW DX Test. Now I have a wonderful memory to recall while I sit in those Caribbean pileups.....

**DAYTON MEETING**

The Dayton meeting of MRRC will begin at 2:00 PM in Room 5 at Hara Arena. Our use of the room terminates at 3:15 so it will be helpful to Pres. Kelsey if you notify him of discussion items prior to the meeting. Be sure to attend, and bring an extra \$5.00 to pay your dues. It will be fun watching the Big Fish try to finish the meeting in 75 minutes!

**MRRC QSL CARDS**

Thanks to Sandy Duffy (Mrs. K3LR) Mad River QSL cards are now available. A display of the renderings will be on site at our Dayton Hospitality Suite for your appreciation and selection of the design of your choice. These are fine, multi-colored cards at a price lower than anything you will ever find. More information on ordering will be available at the Hamvention. Thanks, Sandy!

**FROM THE BIG FISH**

There are the last words from the current Big Fish. It has been another good year for MRRC. Our membership has taken a giant leap, and we had our best showing since 1971 in the Sweepstakes. Although the MRRC multi-op corps have dwindled, our single operator presence in the DX contests has improved. The coming season should be even better.

The Club has grown enough that I would like to suggest that the next Big Fish appoint at least three area vice presidents. Perhaps one from Cleveland, one from Detroit and one to cover the rest of the Mad River territory. These individuals would be responsible for several things: advising the Big Fish; rallying the members for contests; coordinating local events and meetings should they be considered necessary.

I am looking forward to seeing all of you at Dayton this year at the MRRC Hospitality suite and at our meeting which will be held in Room 5 in Hara Arena at 2:00PM. I would like to wish next years officers the best of luck. I hope MRRC can continue growing and doing well in the tests we enter. de NSET, Bill Kelsey

**ARRL DX TEST CLAIMED SCORES**

CW WEEKEND--

K3LR	1285/290	1137K	AB S/O	KS8S	1740/354	1,800K	M/D
W8LNO	625/215	400K	AB S/O	W8LT	695/254	530K	M/S
K8CC	556/204	340K	AB S/O				
W8IXE	525/227	358K	AB S/O				

K8MR WAS AT KH6DW--2,800/254 FOR 1.8M multi single

SSB WEEKEND--

KS8S	760/105	239K	20 S/B (KUBE)	K3LR	1122/298	1,000K	M/S
N8ET	622/106	198K	" "	W8LT	417/197	240K	A/S
W8LNO	175/65	32K	" "	W8BJBM	1111/280	930K	M/S

**K3LR MODERATES DAYTON EVENTS**

Tim Duffy reports the following schedule of topics and speakers for the forums he will moderate at the Hamvention.

Contests

The Contest Expedition to Zone 2, VE2USA CQWW 1984, Ted Rachwal, K8AQM

The Sport of Radio Contesting from the USSR, Tom Frenaye, K1KI

Contest receiver evaluations, Robert Sherwood, NC0B

The Illustrated guide to K2XR 160 meter contesting, Pete Putnam, KT2B

Steve Katz, WB2WIK; Mike Crawford, WA2VUN

Japanese Contest Stations and Hamfair '84, Doug Grant, K1DG

How to Stay Awake for 48 hours--DX contest strategy, Dick Norton, N6AA

Contesting From the UK, Nigel Cawthorne, G3TXF, GU3SXW, GJ0AAA

QRZ Contest, The Frankford Radio Club, Joe Clayton, W2REH

CQ VHF Contest Criteria, Putnam and Katz

Construction and Design, The W9ZRZ M/M Station, Dave Zeph, W9ZRZ

The KCDXC Pile Up Contest Tape( Bring your own pencil and paper, K0RWL

Upgrades for 3-500Z Amplifiers, Robert Sherwood, NC0B

CQ Magazine Contest Awards, CQ Contest Committee

Not Ready for Prime Time Contesting, Doug Grant, K1DG; Rich Gielber, K2WR

Antenna Forum

The World's Lagrest Antenna, Arecibo Observatory

Mini-Nec Computer Code Updates, Dr. James Breakhall, WA3FET/6

Superior Mobile Antennas, Part II, Robert Sherwood, NC0B

Antennas, Towers and Feedlines, Alan B. Caplan, W0RIC, Hy-Gain

Here's how to put up Yagi antennas, Construction and Results, Dr. Bill

Maxson, N4AR

Looks like a great line-up! Remember the Contest Forum is Saturday AM.

**SPRINT RUMORS**

Conditions for the CW Sprint were poor, at best. Strange skip on 80 meters and a shortage of multipliers left the veteran 8-land crew shaking its head. Mad River member scores included:

CALL	Q's	MULTS	EXCUSES
K3LR	270	36	TOWERS NOT CRANKED UP
K8CC	261	40	
W8LNO	250	37	
K8MR	248	39	
KW8N	232	38	
KU8E	226	40	FANTASTIC WITH NO BEAMS
K8NZ	222	34	
W8FN	217	40	
N8DE	193	39	
W8LT (K8BNS)	194	34	
N8ET	183	37	
WM4T	145	36	

This was the first Sprint for Mike, K8BNS. He did very well for his first attempt. LNO and K8BNS were on Popgun teams. The rest of the MRRC types were on the K8CC Motley Crew teams. It looks like the team competition will be a real horse race between the Motley Crew, TDXS, and WASP.

Scores are listed in order of descending QSO'S so that W8LNO will come out higher on the list. It has taken four years of practice and station improvements to reach the 250 Q level. I still get killed on 80 meters. Maybe next season.

**W9NXD/HR2 WINS DX TEST PLAQUE**

Rev. Dale Holloway sent a very nice 'thank you' letter for the ARRL CW DX Test plaque, world high 3.5Mhz, sponsored by Mad River Radio Club. Dale received the plaque on March 18. His letter will make you very pleased that we sponsor the award. Perhaps MRRC should increase its participation. Dale's letter has been reproduced in this issue.

**DR. BARKEY TO IU**

Pat barkey, W8YVR, will complete his Doctorate at The University of Michigan this summer and take up residence in Bloomington, Indiana in August. Pat will be a member of the Business School faculty at Indiana University.

Although a DX contesting station may be a few years down the road, Pat is looking forward to Sweepstakes from Nine-land. Good Luck, Pat.

**MAD RIVER HISTORY** continued

Over pancakes and eggs the contesters decided to go for it with the proposed club. Naturally the question arose of what to call the club. The Ohio-Michigan-Indiana-Kentucky-West Virginia-Pennsylvania-Ontario Contest Club somehow didn't make it. Where again was the club center? No, the Wapakoneta Radio Club wouldn't do either. What's this river shown running through western Ohio? The Mad River? Sold! The group also decided to make the 1971 Sweepstakes their first serious contest effort, elected K8EHU the "Big Fish", and then left to go forth, multiply, and search for flea market bargains.

The first club membership list in the second issue of the 'FLASH' listed 36 members, including (with today's calls) N4AR, K5TM, K7GM, K7NHV, KU7U, NBAA, K8BPX, K8EHU, WB8EUN, K8IA, W8KIC, K8MR, K8NZ, W8TBQ, W8WPC, W8YVR, KN8Z. Each subsequent issue of the 'FLASH' listed more new members. The weekly net on 75 meters was bustling with activity. By SS time the club roster had grown to 154 members. Needless to say, on the SS weekends the bands were filled with the sounds of "GO MAD RIVER" as the members greeted each other. Naturally all this caught the attention of the PVRC and Murphy's. When the SS dust settled, it was a close finish, with MRRC out in front. As the 'FLASH' put it:

*The SS results have not been taken well on the East Coast, especially by many of Murphy's members. It is also reported that many PVRC members do not like our victory, but, they have generally accepted the situation like the sportsmen and gentlemen they long have been respected for. On the other hand, some of Murphy's members are very bitter and are acting very frustrated. However, we have expected this reaction.*

Murphy's did protest. The SS results were published in the May 1972 QST: Mad River was first with 9,960,874 and 174 entries, with K7NHV operating W8SH winning both modes; PVRC took second with 8.79 meg and 133 entries, and Murphy's third with 7.36 meg and 116 entries. The Mad River listing included the famous asterisk, with the footnote saying the validity of the entry was in question and would be determined later. There was much haggling back and forth with ARRL Headquarters over whether certain MRRC membs were indeed within the 175 mile radius, and whether the MRRC needed to have any in person meetings at all (the rules said nothing on this topic). A QST "Stray" in the June issue announced that MRRC had been DQ'd, and tha the club gavel went to the PVRC. Today it rests at the QTH of W3LPL.

At a Mad River dinner that spring at Dayton, ARRL President W2HD appeared to attempt to soothe the feelings, and managed to give one of the better foot in mouth performances of recent times. He told us that as an experienced contester, he knew that "when Murphy strikes, Murphy strikes hard". We already knew.

**MAD RIVER HISTORY** continued

MRRC submitted a much smaller entry for the 1972 SS, but it was ignored. No specific rules for clubs were adopted until 1974 when the present four in-person meeting rule was instituted. By 1975 the MRRC concept was again bubbling up, based around the idea of holding the four meetings at popular hamfests around the MRRC territory. Prompted by K8MR and K8NZ, a reorganization meeting was held at an ARRL division convention in October 1975. By Dayton time in 1976 the club was back in full swing. K8NZ was elected Big Fish, succeeding founder K8EHU who was keeping himself busy enough with night time law school. The 1976 SS entry was accepted with no problems at ARRL, taking fourth place with 42 entries and 3.7 meg. The 1977 ARRL DX test was the first DX effort. MRRC was by now off and running, quickly becoming an active force in the contests, a legitimate contender for club awards, and frequent contest/DXpeditioners.

**THE BIG FISH**

1971-1976 K8EHU  
1976-1977 K8NZ  
1977-1978 K8MR  
1978-1979 K8ND  
1979-1980 AC8E  
1980-1981 K3LR  
1981-1982 AD8P  
1982-1983 K8CC  
1983-1984 K8CC  
1984-1985 NBET

A copy of the original 'FLASH' Vol. I , No. 1, has been reproduced herein as Page 11.

THE MAD RIVER FLASH

Vol. I, #1

Gentlemen, The Mad River Radio Club formation could start a new saga in amateur radio in the USA. We have many things to do if we are to be a real contest club worthy of the honors several clubs on the East Coast have held for too many years. The original brainstorming a few weeks ago provided the name and I have taken the liberty to apply to ARRL for club affiliation, including writing our Articles of Association.

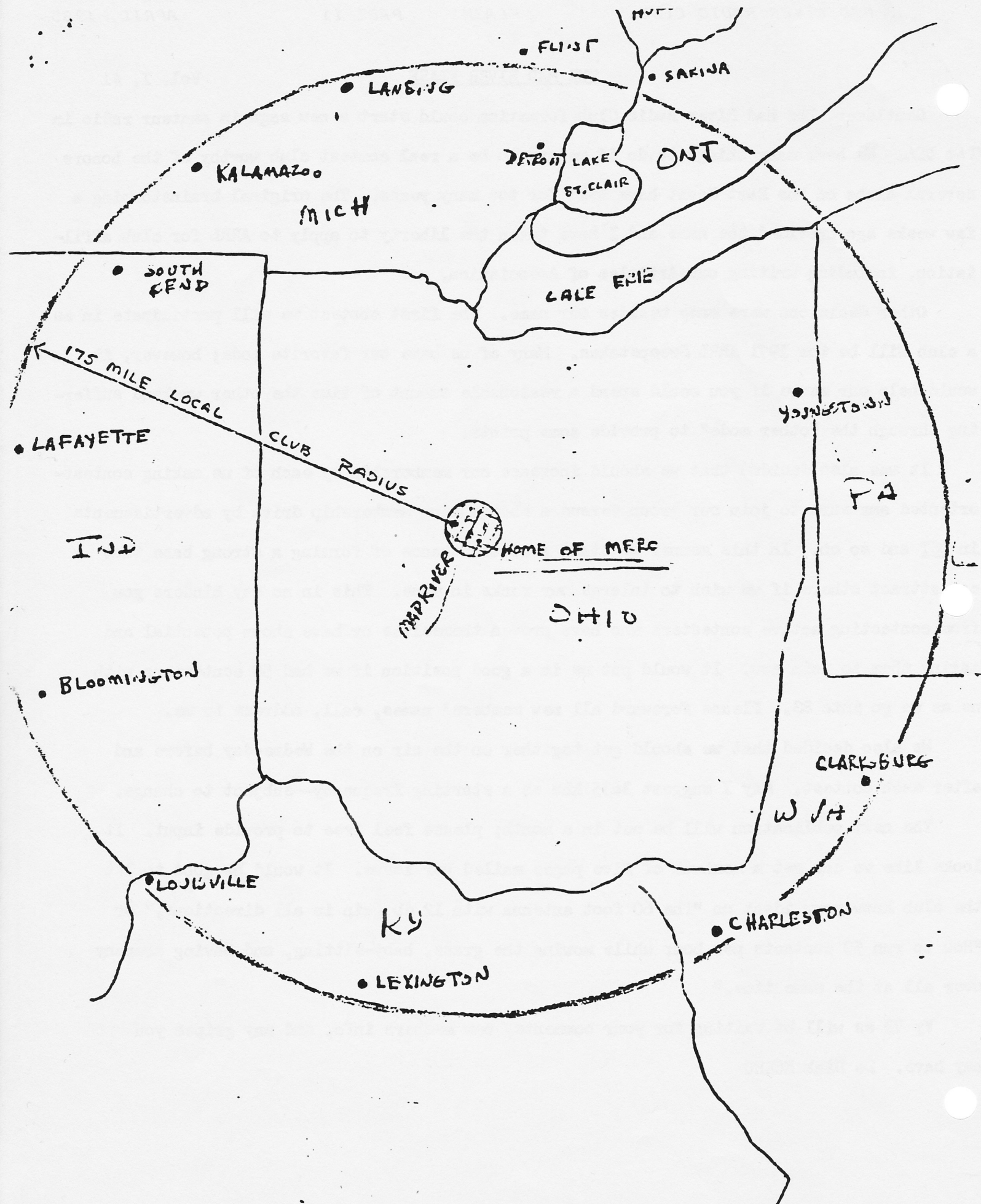
Other decisions were made besides our name. The first contest we will participate in as a club will be the 1971 ARRL Sweepstakes. Many of us have our favorite mode; however, it would help our score if you could spend a reasonable amount of time the other weekend suffering through the "other mode" to provide some points.

It was also decided that we should increase our membership by each of us asking contest-oriented amateurs to join our group versus a shotgunning membership drive by advertisements in QST and so on. In this manner we stand a better chance of forming a strong base that attract others if we wish to enlarge our ranks in mass. This in no way hinders you from contacting active testers who have proven themselves or have shown potential and asking them to join now. It would put us in a good position if we had 50 testers with us as we go into SS. Please forward all new members' names, call, address to me.

We also decided that we should get together on the air on the Wednesday before and after each contest. May I suggest 3835 khz as a starting frequency—subject to change.

The next publication will be out in a month; please feel free to provide input. It looks like we can get a maximum of five pages mailed per issue. It would be good to let the club know your ideas on "The 60 foot antenna with 12 db gain in all directions," or "How to run 50 contacts per hour while mowing the grass, baby-sitting, and having company over all at the same time."

Vy 73 es will be waiting for your comments, new members info, and any gripes you may have. De Dick K8EHU



## ARTICLES OF ASSOCIATION

This group is formed in order to enjoy the company of each other,, to foster a healthy spirit of competition in the pursuit of amateur radio, and to attempt to contribute to the progress of the art.

- I. The group shall be known to all as

## THE MAD RIVER RADIO CLUB

having been formed in the muddy waters at the mouth of the Mad River, and shall remain so named until its members see fit to change the designation.

- II. Membership is open to all amateurs of honorable nature, determined to progress in the art of amateur radio, and eager to flood credit upon this group and the achievements of its members.
- III. There shall be officers with such duties as the members of the group from time to time deem necessary, and there shall be at all times a Big Fish who shall lead and report the activities of the group.
- IV. Rules and regulations will be held to a minimum so that maximum effort may be placed upon fishing for new ways to win the next contest, bragging about DX, QSL's acquired, etc. Additional rules may be made when the group feels the need for them.
- V. It is understood and agreed that crummy signals, shoddy operating practices, and discourtesy will not be tolerated. Persistent conduct unbecoming a gentleman and a member of this group shall constitute grounds for giving a person the silent treatment. Should he fail to correct his practices in a reasonable time, he shall be adjudged a Sick Fish, and all rights, privileges, rank and fame to membership shall be withdrawn and he shall again become free to pollute other organizations.

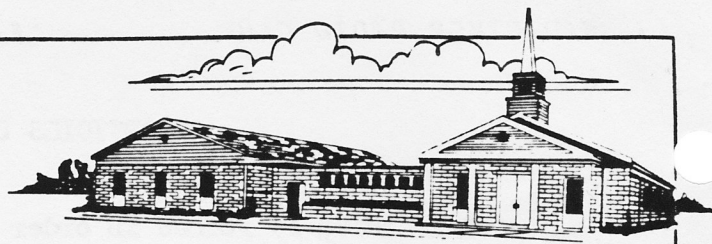
This group is officially formed, hook, line and sinker, on Saturday, April 24, 1971.

## West Locke Wesleyan Church

2652 Haslett Road Williamston, Michigan 48895

(517) 655-2202

~~000000000000~~



March 19, 1985

Mad River Radio Club  
c/o Joe E. Warden, W8LNO  
28 South Hemstead Road  
Westerville, OH 43081

Dear Radio Club:

Yesterday I received my plaque for winning the World 3.5 MHz CW portion of the 1984 ARRL DX contest. From the bottom of my heart I wish to take this opportunity to thank the MRRC for making possible this beautiful plaque. It is something I will always cherish.

You might be interested to know something of my operations in Honduras. Our family first went there as missionaries in 1975. At that time we lived in Tegucigalpa where I used my original call of K8WHB/HR1, and for a brief period was assigned HR1DH. Since we were on a one-year special assignment from our mission board, we returned stateside in 1976. We moved to Indiana with our headquarters and my call was changed to W9NXD. In 1981 we left for one year of language study in Costa Rica (W9NXD/TI2) and in 1982 we again arrived in Honduras, this time in San Pedro Sula. Because of the political situation it took me a few months to get back on the air. But in December 1982 I was operating once again as W9NXD/HR2.

Honduras is a great place for contesting, and our qth on a mountain on the west side of San Pedro Sula was excellent. I entered several contests, never really giving it much of an effort, but always placing well and, of course, winning for Honduras. I finally decided to give the 1984 ARRL DX contest my best shot. Not having the time to commit my days to it, I decided to work just 80 meters. As you can see, my 100 watts from a TS-120S and G5RV antenna at only about 20 feet were more than enough to win it. What fun!

We returned stateside last August and I am now pastoring a church near Lansing, Michigan. Upon returning I upgraded and changed my call to NJ8X.

Again I want to thank you for the plaque and encourage you to continue making various hams feel, at least temporarily, very special.

Sincerely,

*Dale Holloway*  
Dale Holloway

NJ8X (ex-W9NXD/HR2)

## MAD RIVER RADIO CLUB

AA8S	FRED STILLWELL	38565 BIGGS RD.	GRAFTON, OH	44044	(216) 926-2131	D
E	JOHN BOSTWICK	2879 FRANKLIN	MEDINA, OH	44256		U
AD8C	JAY RYNO	10363 GROVE RD.	BLUFFTON, OH	45817	(419) 358-1188	U
AD8I	JOE SUBICH	7825 SR 198	CIRCLEVILLE, OH	43113	(614) 477-1373	F
AD8P	BILL GAINES	624 S. MAIN ST.	BLUFFTON, OH	45817	(419) 358-5193	F
AI8S	KEN STENBACK	722 LYNDON AV.	ASHTABULA, OH	44004	(216) 964-7316	N
AK8X	FRED LAUBE	332 PORTZ AV.	FINDLAY, OH	45840	(419) 423-0186	U
K1LT	VIC KEAN	5423 CRAWFORD DR.	COLUMBUS, OH	43229		U
K1XM	PAUL YOUNG	11 MICHIGAN DR.	HUDSON, MA	01749		*
K3JT	JIM WASSSELL	429 E. OAKLAND AV.	COLUMBUS, OH	43202		U
K3LA	BARNEY SCHOLL	P.O. BOX 673	SHARON, PA	16146		U
K3LR	TIM DUFFY	259 N BUHL FARMS DR. APT 6	HERMITAGE, PA	16148	(412) 347-2698	U
K3TUP	JOHN KANZIUS	8210 FRANKLIN RD.	GIRARD, PA	16417	(814) 474-2402	X
K5ZD	RANDY THOMPSON	P.O. BOX 571	MANSFIELD, MA	02048		*
K7SV	LARRY SCHIMELPFENIG	29448 BRAULT	S.A.N.G., MI	48045		F
K8AZ	TOM LEE	2701 HAMPSHIRE	CLEVELAND HTS, OH	44106	(216) 932-1366	U
K8BL	BOB LIDDY	7234 ENFIELD DR.	MENTOR, OH	44060		U
K8CC	DAVE PRUETT	33136 HAMPSHIRE RD.	LIVONIA, MI	48154	(313) 425-8296	D
K8DB	DENNY BURGESS	495 JEANNETTE DR.	RICHMOND HTS, OH	44143	(216) 486-1503	X
K8EM	BOB KALISCHER	2465 VASSAR PL.	COLUMBUS, OH	43221	(614) 488-5325	U
K8JM	JOHN MILLET	1206 ROSEWOOD	FERNDAL, MI	48220		U
K8KJD	BILL THURSTON	35828 LEON	LIVONIA, MI	48150		U
K8LY	STEVE MAKI	5591 COOMER	W BLOOMFIELD, MI	48033	(313) 681-7417	U
K8MN	DAVE HEIL	3768 FRANCES AV.	CINCINNATI, OH	45211	(513) 481-2035	U
K8MR	JIM STAHL	3592 ATHERSTONE	CLEVELAND HTS, OH	44121	(216) 381-7030	D
K8ND	JEFF MAASS	9256 CONCORD RD.	POWELL, OH	43065	(614) 873-3234	U
K8NZ	RON HARPS	8321 EDGEWOOD RD.	MENTOR, OH	44060	(216) 255-7205	D
3S	JIM HEBERT	18835 PERSHING	LIVONIA, MI	48152	(313) 538-7735	F
K8US	MIKE BOKULICH	916 COLUMBIA DR.	AMHERST, OH	44001	(216) 988-2345	U
K8WW	DAVE VORE	665 HILLSIDE RD.	SEVEN HILLS, OH	44131		U
K8BETK	JIM BLANCA	20701 LIBBY RD.	MAPLE HTS, OH	44137		N
K8BPLH	TIM O'SULLIVAN	744 FOOTHILL	CANTON, MI	48188	(313) 397-8091	D
K8BRXQ	FRANK FORDOS	9202 TORTUGAS	MENTOR, OH	44060		U
K8BIZ	MARK NELSON	1713 FOOTVILLE RICHMOND RD	JEFFERSON, OH	44047	(216) 563-3747	U
K8BLH	JOHN SCHAFFNER	6079 MEESE DR.	LOUISVILLE, OH	44641	(216) 875-8703	F
K8BLM	CHUCK ALCORN	16784 WAKENDEN	REDFORD, MI	48240		U
K8BWC	JACK BRICKER	6664 PINETREE	MENTOR, OH	44060	(216) 255-7545	X
K8BJH	GREG LEE	EUREKA STAR ROUTE	GALLIPOLIS, OH	45631	(614) 256-1414	U
K8BMK	JIM HURT	7734 LUCERNE DR. APT. 030	CLEVELAND, OH	44130	(216) 234-1451	D
K8BXK	BRIAN SCHIEFERSTEIN	666 AUTUMN DR.	AMHERST, OH	44001	(216) 988-8057	U
KD8G	RANDY GOFF	RT. 1 BOX 103	WASHINGTON, WV	26181	(304) 863-8248	U
KD8NS	MIKE TOPE	P.O. BOX 76	DELLROY, OH	44620	(216) 735-2254	F
KF3M	SCOTT JOHNS	BOX 6120 MILLER RD.	GIRARD, PA	16417	(814) 774-9169	X
KN8S	JOHN SULLIVAN	1731 WALNUT RIDGE CIRCLE	CANTON, MI	48187	(313) 981-2641	D
KN8Z	JOHN SELLER	4925 S. HAMILTON RD.	GROVEPORT, OH	43125	(614) 836-3376	N
KQ8M	TIM HERRICK	BOX 5127	WILLOWICK, OH	44094	(216) 585-0653	U
KR8Y	DAN GERMAN	7300 ENFIELD DR.	MENTOR, OH	44060		X
KS8S	DEAN SCARBROUGH	505 BUTTERNUT ST.	DESHLER, OH	43516	(419) 278-2162	F
KUBE	JEFF CLARKE	7001 HOLLYWOOD DR.	W CHESTER, OH	45069	(513) 777-0079	D
KWSN	BOB HAYES	9192 BENDER RD.	N RIDGEVILLE, OH	44039	(216) 327-4710	D

## MAD RIVER RADIO CLUB

KXSR	LARRY NICHOLSON	299 MAPLEWOOD CT.	PAYNESVILLE, OH	44077	(216)	357-8354	U
N2MA	AL HOUSTON	710 WYNGOLD DR.	PITTSBURGH, PA	15237	(412)	366-7882	D
N3BJ	ALAN FRYER	2995 MOREHOUSE RD.	ERIE, PA	16509	(814)	825-4327	U
N4AR	BILL MAXSON	1076 SPURLOCK LN.	NICHOLASVILLE, KY	40356	(606)	272-1883	U
N4TY	TYLER BARNETT	213 CAMELOT CT.	GEORGETOWN, KY	40324	(502)	863-5576	U
N8AA	JOHN COMELLA	27241 MARKBERRY DR.	EUCLID, OH	44132	(216)	261-4546	U
N8ABL	BILL BISCHOFF	6945 CLARE ST.	SYLVANIA, OH	43560	(419)	537-4197	U
N8ATR	PETE MICHAELIS	11725 POINT OVERLOOK PL.	STRONGSVILLE, OH	44136	(216)	238-3695	U
N8AVK	GENE MCCARTHY	4440 STONEBROOK CT.	UPPER ARLINGTON, OH	43220			U
N8BTU	ALAN WEST	28472 CLEVELAND	LIVONIA, MI	48150	(313)	427-7981	N
N8CXX	JOHN TYMENSKY	12333 SANDY BOTTOM DR.	SOUTH LYON, MI	48178	(313)	437-7147	F
N8DCJ	DAN BODKWALTER	745 WALWICK CT.	BEREA, OH	44017	(216)	234-0286	U
N8DE	DON HAVLICEK	RR#6-BOX 379	CONNERSVILLE, IN	47331	(317)	825-2212	N
N8DET	CHRIS KINZEL	250 SPRUCE	HIGHLAND, MI	48031	(313)	887-4953	D
N8DKJ	STEVE SPONSELLER	29030 MILBROOK	FARMINGTON HLS, MI	48018	(313)	851-4864	D
N8DS6	BILL HEITZENFATER	1211 EUCLID AV.	LORAIN, OH	44052	(216)	289-4313	U
N8EA	JOE HOLSTEIN	1515 SASHABAW RD.	ORTONVILLE, MI	48462	(313)	628-0666	U
N8EDE	BARRY SCHIEFERSTEIN	2345 HAMILTON AV.	LORAIN, OH	44052	(216)	246-2830	U
N8EKE	DAN SMITH	400 GOLF DR. SE	BROOKFIELD, OH	44403			U
N8ET	BILL KELSEY	2716 CR 26	MT. CORY, OH	45868	(419)	477-5378	D
N8FCF	GARY HAYS	171 NORTH ST. LOT 80	JERRY CITY, OH	43437			U
N8FJP	JOHN MCCOY	1805 TAHOE DR.	XENIA, OH	45385	(513)	372-9106	F
N9AG	SCOTT LEHMAN	P.O. BOX 47	MINSTER, OH	45865			D
N9AV	GREG CHAPOTON	45666 CASS	UTICA, MI	48087	(313)	739-4029	U
N9BW	DARL DEEDS	8753 TR 48	FINDLAY, OH	45840	(419)	963-2442	U
N9BT	FRED STOCKING	28070 N. CLEMENT CIRCLE	LIVONIA, MI	48150			U
N10B	PAUL LECHLER	29115 RIVERDAK DR.	ROMULUS, MI	48174			F
N1AK	PAT COLLINS	1371 TRADEWINDS DR.- 204	COLUMBUS, OH	43204	(614)	876-8266	F
N10D	MIKE KACZYNSKI	225 MAIN ST.	NEWINGTON, CT	06111			#
N4DY1	GEORGE WILSON	1649 GRIFFITH AV.	OWENSBORO, KY	42301			#
N8CAR	DAN KOVATCH	2819 N BAYVIEW LANE	SANDUSKY, OH	44870	(419)	625-0310	N
N8FN	RANDY FARMER	919 LEATHERWOOD	NEW CARLISLE, OH	45344	(513)	845-3331	F
N8HD	KIM CULHAN	4975 HALSTEAD RD.	WEST BLOOMFIELD, MI	48030			U
N8KIC	BOB EDWARDS	2525 EDGEHILL	CLEVELAND HTS, OH	44106	(216)	371-8765	X
N8KUZ	DON JORDAN	1768 WOODHURST	DEFIANCE, OH	43521			U
N8LND	JOE WARDEN	28 S HEMSTEAD	WESTERVILLE, OH	43081	(614)	891-7998	D
N8LT	OSU ARC	404 W 17th AV. ROOM 402	COLUMBUS, OH	43210			#
N8UA	MIKE SOCHA	3757 BRIGHTON RD.	HOWELL, MI	48843	(517)	546-9269	F
N8UPH	BOB GENSLE	820 CIRCLEVIEW DR.	TOLEDO, OH	43615	(419)	385-8882	N
N8WPC	RALPH BROWN	4115 SR 49	ARCANUM, OH	45304			D
N8ZD	PAUL DARWACTOR	605 BALSLEY	FINDLAY, OH	45840	(419)	424-8765	U
N8BIN	RAY BROWN	24360 WESTFIELD	WESTLAKE, OH	44145			X
N8RRR	RICK BERNARD	15928 DENBY	REDFORD, MI	48239	(313)	537-4027	D
N8YVR	PAT BARKEY	P.O. BOX 4076	ANN ARBOR, MI	48106	(313)	994-5919	U
N8KKX	SCOTT JONES	93 WHITE AV.	SHARON, PA	16146			F
N8KKI	JOHN BASTIN	530 HIGH ST.	WOOSTER, OH	44691	(216)	264-3030	N
N8MZ	MIKE METTLER	1674 VANCE	TOLEDO, OH	43607			U
N8PHI	LARRY LEASKO	7291 MAPLE ST.	MENTOR, OH	44060	(216)	255-4193	U
N8VPA	JOHN UDVARI	828 DAVIS ST.	AKRON, OH	44310	(216)	535-5833	U
N8WTS	JIM GALT	9877 WILSON MILLS RD.	CHARDON, OH	44024	(216)	286-3483	N
N8AUB	DOUG KLEIN	163 CANNON DR.	WOOSTER, OH	44691	(216)	345-8769	U
N8IJP	TIM MITCHELL	P.O. BOX 299	VERMILLION, OH	44089	(216)	967-6343	U
N8IVL	MIKE VALENTINO	6234 MENTOR PARK BLVD.	MENTOR, OH	44060	(216)	257-1254	X
N8IXE	STEVE MILLER	220 FREYN DR.	CENTERVILLE, OH	45459	(513)	433-8090	F
N8LLD	ELMER STEINGASS	1359 OIL CITY RD.	WOOSTER, OH	44691			N
N8LXX	RON PEEBLES	50 W TOMPKINS	COLUMBUS, OH	43202			U
N8AT	JOHN THERNES	60 LOCUST AV.	COVINGTON, KY	41017	(606)	331-0331	D

**WANT TO JOIN MAD RIVER?**

If you are interested in participating in the activities of the Mad River Radio Club please complete the application below and send it to KBNZ along with \$5.00. You will receive the 'FLASH' for one year and become eligible to purchase the very inexpensive MRRC QSL cards and participate in many other club events.

Mr. Ron Harps, KBNZ  
8321 Edgewood Rd.  
Mentor, Ohio 44060

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INTERESTS:

QUESTIONS?

MEETINGS ARE CURRENTLY HELD AT THE HAMVENTION, FINDLAY HAMFEST, SOMEWHERE IN MICHIGAN AND AT K8MR's QTH BETWEEN NEW YEARS AND CHRISTMAS.

# DESIGN ELECTRONICS OHIO

## RECEIVER GUARD 2000

\* \* \* NOW BEING USED BY ACTIVE AMATEURS FOR THE FOLLOWING \* \* \*

Protection from nearby transmitters running high power

On Beverage and loop receiving antennas

Multi transmitter contest stations

LESS THAN 0.3db INSERTION LOSS - WILL NOT DEGRADE RECEIVER PERFORMANCE

PROTECTION ELEMENT REPLACES IN TWO MINUTES

5 year warranty EXCEPT protection element

RECEIVER GUARD IS USED IN SERIES WITH THE RECEIVE PATH OF THE RADIO AND MAY BE USED WITH POPULAR TRANSCEIVERS SUCH AS: KENWOOD 930, 830 AND 430; ICOM 751, 745, 740 AND 730; DRAKE TR5 AND TR7.

## QSK 1500

DON'T BE LIMITED TO LOW POWER OPERATION WITH YOUR EXPENSIVE FULL BREAK-IN TRANSCEIVER. YOU CAN RUN HIGH POWER QSK CW AND HIGH POWER AMTOR WITH ANY AMPLIFIER.

THE DEO QSK 1500 IS DESIGNED USING THE LATEST IN SOLID STATE SWITCHING TECHNOLOGY AND WILL GIVE YOU FULL BREAK-IN OPERATION WITH ANY ONE OF THE CURRENTLY AVAILABLE COMMERCIAL AMPLIFIERS, HOMEBREW TOO! PIN DIODES PROVIDE ULTRA HIGH SPEED, NOISELESS SWITCHING. ALL YOU NEED TO DO IS CONNECT TWO RF CABLES AND TWO CONTROL CABLES, TURN IT ON AND YOU ARE READY TO GO, UP TO 1500 WATTS AT 1.5-1 VSWR. FULLY AUTOMATIC BAND SWITCHING, 1.8 -30 MHz AND MODE SELECTION, NO CABLES TO CHANGE. ELIMINATES AMPLIFIER DAMAGE DUE TO "HOT SWITCHING" AND GIVES YOU FULL RECEIVER PERFORMANCE WITH AN INSERTION LOSS LESS THAN 0.7 db, TYPICALLY 0.2 db. 90 DAY LIMITED WARRANTY.

## DESIGN ELECTRONICS OHIO

4925 SO. HAMILTON RD., GROVEPORT, OH 43125

SEE US AT CONVENTION BOOTH 347