



MIDLAND AMATEUR RADIO CLUB
PO BOX 1049, MIDLAND, MICHIGAN 48641
www.w8kea.org

President	Lee Hodges KC8ITI	(989) 652-6213
Vice President	Chris Rose KB8UIH	(989) 832-7179
Secretary	Linda Hodges KC8MUD	(989) 652-6213
Treasurer	John Wolters W8QN	(989) 832-9122
W8KEA Station Trustee	Larry Macklin N8CGP	(989) 631-7748
Midland County EC/RO	John Wolters W8QN	(989) 832-9122
Midland County AEC	Chris Rose KB8UIH	(989) 832-7179
Newsletter Editor	Pat Mullet KC8RTW	(989) 828-6657
Newsletter Publisher	Michael Vecchitto KB4EIZ	(989) 832-3932
ARRL Liaison	John Tallman KB8PGW	(989) 859-0364
Web Page Chairman	John McDonough WB8RCR	(989) 631-0178
Club Historian	Stan Rowe K6VWE	(989) 837-7252
Quartermaster	Bill French AB8JF	(989) 835-5562
Public Information Officer	Pat Mullet KC8RTW	(989) 828-6657
Field Day Committee	John Tallman KB8PGW / Ch	(989) 859-0364
	Keith Johnson KB8SOE	(989) 488-4337
	Michael Vecchitto KB4EIZ	(989) 832-3932
	Jeff Mowery N8KS	(989) 488-4466
	Pat Mullet KC8RTW	(989) 828-6657
Swap Committee	Keith Johnson KB8SOE / Ch	(989) 488-4337
	Michael Vecchitto KB4EIZ	(989) 832-3932
	Jeff Mowery N8KS	(989) 615-3715
	Pat Mullet KC8RTW	(989) 828-6657

LIFE MEMBERS

Jack W8PHG, Larry K8SQB, Don W8WOJ, Lee KC8ITI, Raleigh W8QOI (SK)

Midland County Public Service Net, Thursdays at 9 PM

Midland W8KEA Repeater — 147.000 MHz+ PL 103.5 / Midland W8KEA Digipeater — 145.090 MHz

Next ARES®/RACES Meeting — Thursday August 5, 2010

Next CLUB MEETING — Thursday August 5, 2010

Salvation Army Building, 330 Waldo 7:30 PM

Talk-in on 147.000 MHz +

August 2010

View from the Top of the Tower

Lee Hodges, KC8ITI

When I retired I thought I would have plenty of time to play radio, experiment and generally enjoy life. What happened? I'm sure that if we would have stayed in the old house, my dreams would have been realized but with the move, my dreams were shattered. My "must get done" list has grown to two pages and shows no signs of stopping. Like in Frankenmuth, I've decided to have my shack and workbench in the basement. I've moved things around 3 or 4 different times trying to get the layout the way I want it. I'm sure it will get moved around a couple more times before I have something that is workable. Of course, we want to get things back to normal as quickly as possible but it took years to get the old place fixed up the way we wanted it.

Linda and I would like to thank all of you that stopped by to welcome us to the Midland area. You don't know how much it meant to us. In Frankenmuth we rarely had anyone just stop in to say "Hi".

John, W8QN gave a report on the Dow Walk/Run at the last meeting. All-in-all things went smoothly. Thanks to all of you that

**When all else fails ...
...Amateur Radio!**



took the time to help us out for this worthwhile event.

It looks like the Midland Amateur Radio Club Swap for 2010 was another success. Overall, numbers were down this year but we still made a good profit. The presentation by Bill Hays was outstanding and well attended. The VE session was one of the

MARC MEETINGS

Chris Rose, KB8UIH, is in charge of special events and topics for the MARC monthly meetings. If you have any agenda items, or topics for the meetings, please contact Chris at (989) 832-7179, or via e-mail: kb8uih@arrl.net

COMMUNICATIONS

Pat Mullet, KC8RTW, is in charge of communications and publicity for the club. If you have any questions or ideas regarding these areas, please contact Pat at kc8rtw@arrl.net

EXAMINATION SCHEDULE

Saginaw - All future VE testing will be done on an appointment basis only.

Corunna - Contact Thomas Carpenter (517) 579-0599 ki8as@charter.net.

Bay City - All future VE testing will be done on an appointment basis only.

Isabella/Clare Counties - Contact Gus Glass, K8GUS at k8gus@arrl.net

With all examinations, your original license, a copy of that license, a second photo identification (drivers license, etc.) and a check or money order for \$15.00 made out to "ARRL/VEC" are required.

The address listed below gives testing sessions scheduled for Michigan. <http://www.arrl.org/arrlvec/exam-search.php?State=MI>

AUTOPATCH

All Midland Club members have autopatch privileges. If you do not have the instructions, contact N8CGP for a copy. Please do not pass on your copy.

SUBMISSIONS FOR NEWSLETTER

Contact Pat Mullet, KC8RTW at kc8rtw@arrl.net if you want to submit anything for the newsletter.

I need your items by the 15th of the month. Anything received after that may not make it into the newsletter for that month.

If you prefer to download the MARC newsletter from our web site, or have trouble with delivery via USPS, contact Michael, KB4EIZ, at kb4eiz@yahoo.com.

MEDIA HITS!

Have you seen or heard mention of the Midland Amateur Radio Club in the news or in the paper? If so, please forward it, or mention of it to either Pat, KC8RTW (kc8rtw@arrl.net) or Lee, KC8ITI (kc8iti@arrl.net)

busiest we've had in a long time with 19 applicants. Thanks to everyone who helped with setup on Friday and cleanup on Saturday. At the last club meeting we spent quite a bit of time discussing what we did right and what we could have done better. If you have any ideas on how we can improve attendance or make the swap better let Keith, KB8SOE or any of the swap committee know your thoughts.

By the way, the VE session produced a new ham in the Hodges clan. Our granddaughter, Tiffany earned her technician license and now is KD8OLD. I teased her all week after the testing session telling her that's what her call sign would be. The joke is that she's 11. Linda just reminded me that I promised Tiffany a radio if she passed her exam, so guess I need to keep my eyes open for another rig.

2010 Field Day was a public relations bonanza. Something about having a large share of the people filling a baseball stadium passing by our Field Day site led to some interesting conversations. As with any new venue, we had our kinks to work out but I think we did a good job of presenting a neat and tidy display of amateur radio. I think we did a good job of presenting many of the aspects of our great hobby. I'd like to thank channel 25 TV for the coverage on the 11 PM news. I'd also like to thank all of you for your help in setting up, operating, talking to the public, supplying a great meal on Saturday evening and especially those who helped tear down in the rain on Sunday. The Loons management was impressed with our display and invited us back anytime. We will keep their invite in mind for a future Field Day but I would like your

ideas on what you want field day to be to keep it fresh and exciting.

We will be participating in the Dow Diamond Community Organization of the Night promotion on Wednesday July 21st.

I plan on setting up one or two radios for demonstration purposes along with our banners and a table of handout literature. I'll let you know how it went at the next meeting and in the next newsletter.

Our club picnic will be the third Saturday in September which is the 18th. More details at the next club meetings and in future newsletters.

Speaking of September, our annual club elections will take place at our September meeting. The club's elected offices are: President, Vice President, Treasurer and Secretary. If you have an interest in serving as a club officer, throw your hat in the ring at the September meeting.

I'm in the process of putting together our fall class schedule. I hope to have more information at the next club meeting.

That's all for this month. I'm starting to have radio withdrawal because I don't have my HF radio set up yet. Some of you have heard me on the Thursday night net but that antenna is temporary too. I guess it's about time I got serious about using some of the tall trees on our property to get some wire in the air. After all we bought this place because of the natural antenna supports in the back yard. If you get a chance swing by for a cup of coffee and we can swap radio stories.

Best regards, Lee - KC8ITI

MARC Minutes Linda Hodges, KC8MUD

The meeting was called to order by Lee KC8ITI with 20 in attendance at 7:40 P.M. A sign-in sheet was passed around and introductions were made. A motion was made by Pat KC8RTW to approve the May minutes and seconded by Cindy KD8JQY. Passed. A motion was made by Pat KC8RTW to approve the June minutes and seconded by Cindy KD8JQY. Passed

- Treasurer's Report- John W8QN
- EC/RO Report-John W8QN-Quiet, Bad weather stayed south of us. Will be

putting another Midland 440 MHz repeater in service with link to National Weather Service in Detroit. Need codes to use during bad weather. Working on problems.

Thanks to all who participated in the Dow Run.

- Swap- John W8QN Keith KB8SOE- Income was \$1857.00 and expenses \$839.00 for a profit of \$1017. Thanks to all who helped during swap especially set-up and clean-up. Thanks to the kitchen crew, Mary KB8QYB for the front table, John W8QN for the tent. Attendance was

down. People came from Traverse City, Petoskey, Graying, Cadillac etc. There were 48 at the presentation. Trunk sales were down. We may not see DebCo next year. Suggestions included having food served at several locations. Parking is a problem. Maybe talk-in could suggest alternative parking. Vendor letter might include table reservation only good until 7:30 A.M. After that the table would be sold to some one else. 19 signed up for the VE session 15 passed. Next year instead of a speaker for the presentation there may be a workshop. Thank you Pat KC8RTW for sending many press releases. Looking for suggestions about how to get the word out about our swap.

- Field Day- Lee KC8ITI & John KB8PGW- 456 contacts were made, 190 SSB, 254 CW. Lee mostly did PR. A lot of participation of stations. Channel 25 coverage on the 11:00pm news. Pat KD8IVZ has DVD of news item. Many people stopped by to ask questions. One person from the Motor City Club said it was nice to see our club showing the right spirit of Field Day. Loons Staff was impressed with our professionalism. Suggest we go there again. We should ask about other things going on at the same time. Parking was a problem. Looking for ideas for next year.

- Lupton Outing- Thursday to Sunday July 8th to 11th.

- Antenna Party -Bill AB8JF- July

10th Bill and Dorie N8WTQ are having an Antenna Raising party at their home.

- Great Lakes Loons Community Night- We are slated for Wednesday, July 21st. Set up for one or two stations on mezzanine. Bring headphones. We should have look outs with gloves.

- Club Picnic- Will be held the third Saturday in September at the Homer Township Park. Bring a dish to pass and your whole family. Noon to ?.

- Club Classes- Lee KC8ITI- Lee has new book and question pool. Will be re-vamping classes. Can also give general class.

- Please send well wishes and thoughts to Michael KB4EIZ to Michael and Carol Vecchitto's, 49 N. 8 Mile Rd. Midland Mi. 48640

NET Controls:

July 8 th	Jack NX8A
July 15 th	John W8QN
July 22 nd	Keith KB8SOE
July 29 th	Lee KC8ITI

- A motion to adjourn made by Larry N8CGP. Seconded by Jack NX8A. The meeting ended at 9:00 P.M..

Minutes taken by Dorie N8WTQ (Thank-you Dorie) Typed by Linda KC8MUD.

Respectfully submitted
Linda KC8MUD
MARC Secretary

My Two Cents

Pat Mullet, KC8RTW

Despite the respite we're all enjoying now that both the Hamfest and Field Day have come and gone, not too much has been occurring on the radio front around here. Oh, I did score a USB controller card for my el cheapo computer that I'm trying to resurrect. The USB card is now installed and working, the computer is talking to my TNC, and I plan on both hooking up my 2 Meter rig and testing out the USB sound card sometime this week. I did put in some time at Field Day, not only racking up 24 contacts but helping Chris, KB8UIH troubleshoot his ARPS set up—I was able to tie into the Dow Diamond public wifi system to see if he was making the digipeater, but I suspect that the bulk of the stadium was blocking the signal.

As I said, not much to report, but in

the June edition of the newsletter, I included a bit on rig control interfaces, which generated a reply from Roger, K8RI, which I'd like to post here.

Hi Pat,

In the last newsletter you talked about the interface cables for the different makes of radio.

I have not found them to be quite as you have them listed.

The Icom CI-V (101-5?) in my 756 Pro uses the audio line. While the CI-V interface has an audio to serial conversion and can be run via serial or the audio ports on the computer depending on the program. It's also the easiest to use of any of the interface setups. The Yaesu uses a DIN connector for their large rigs and a "mini" din (with a different pin

Upcoming Events

Jul 21	MARC Night at Dow Diamond
Sep 18	MARC Picnic

Michigan Hamfests

Aug 7	Escanaba
Aug 8	Port Huron
Aug 15	Lapeer
Aug 21	Owosso
Sep 11	Wyoming
Sep 19	Adrian
Oct 16	Holland
Oct 17	Kalamazoo
Dec 10	Mt. Clemens
Feb 20, 2011	Livonia

* denotes tentative date based on 2009 event

Area Nets

SVARA; Mn, 147.24 MHz, 2100 ET
Gladwin; Tu, 147.18 MHz, 2000 ET
BAARC; Tu, 145.31 MHz, 2100 ET
Edmore, Th, 146.8, 2000 ET
MARC; Th, 147.00 MHz, 2100 ET
District 3 ARPSC; Su, 145.31 MHz, 1800 ET
W Mi Trffc Net; MWF, 145.15 MHz, 0900 ET
TMMTN; Mon-Sat, 147.30 MHz, 2130 ET
MACS; Mon-Sat, 3953 kHz 1100 ET
MIARPSC; Su, 3932 kHz, 17:00 ET
UPN; Sun-Sat, 3920 KHz, 17:00 ET
MITN; Sun-Sat, 3952 kHz, 1800 ET
QMN; Sun-Fri, 3563 kHz, 1830 & 2200 ET
WSSBN, 3932 kHz, 1900 ET
UP-ARES; Fr, 3932 kHz, 1930 ET
GLETN; Sun-Sat, 3932 kHz, 2030 ET
SEMTN; Sun-Sat, 145.33, 2215 ET

MARC MERCHANDISE

T-Shirt	S- XL	\$10
	2X - 3X	\$12
Long-Sleeve Tee	S- XL	\$12
	2X - 3X	\$15
Crew Sweatshirt	S- XL	\$18
	2X - 3X	\$20
Hoodie	S- XL	\$24
	2X - 3X	\$26
Zipper Hoodie	S- 3X	\$30
Winter Coat	S- XL	\$42
	2X - 3X	\$45
Spring Jacket	S- XL	\$32
	2X - 3X	\$35
Hat		\$10

All garments are royal blue with white print and embroidered name and number. Extended sizes available.

Please call Bill Lee at B&C Sportswear with questions @ (989) 839-4537.

out) for the smaller rigs. This configuration does not resemble the Icom set up although [if I remember correctly] the Icom will also use a serial connection. The Yaesu uses the 3 or 4 of the conductors for remote band switching. I had the FT-897D set up to be controlled via "Ham Radio Deluxe". The same line also took care of the auto band switching in the SS KW amp I had at the time. It was a royal pain in theerr... back side to wire up. However for the smaller rigs using the mini DINs the Apple Mac printer cables worked just great. I cut them to the proper length so I had a molded mini DIN on one end and a standard

DIN on the other, or a standard 9 pin serial connector. Most mini DINs are cheap (junk) and very difficult to solder to. You can purchase the \$20 plus printer cables for around \$3 each for 6 to 8 footers from Amazon. You can control as many Icom rigs as you have serial or audio ports...if the control program will recognize them.

The computer interface "to me" is the only thing that makes using either the Yaesu FT-897D and others of its kind, as well as the Icom IC-7000 easy. I found both to be difficult to use when switching modes and bands as well as drive level to an amp. The IC-7000

however has a much better receiver in it than the FT-897D which I found to overload easily and be susceptible to stuff up and down the band the IC-7000 didn't appear to notice.

As to the CI-V interface it's well worth the money compared to the stuff on e-bay. I've had some experiences with both.

73,
Roger (K8RI)

Well, that wraps it up for this month, see you on the air.

73, Pat KC8RTW

ARES®/RACES

John Wolters, W8QN

Some public services opportunities that are available.

Tuuri Race July 24th.

Meet at 6:30 at the Whaley Center on Grand Traverse across from Hurley Hospital.

Crim Race Aug 28th. Flint.

For more information on either contact:

Joe Tuscher

Phone (810) 742-3866

email jt14888@aol.com

I am planning a packet exercise working with the equipment at the EOC,

CSB, and ECV. Look for more details at the August meeting.

John Wolters

EC/RO Midland County

Midland Hamfest VE Results

Dennis Klipa, N8ERF

The Amateur license testing session held at this year's Midland Hamfest seems to be one of the better ones we've had in recent years. We had 18 people take exams at the swap, and of them, we gained 10 new Technicians and 4 hams upgraded to General.

The new Technician class consisted of Tiffany Ruby, KD8OLD (Granddaugh-

ter of KC8ITI and KC8MUD); Doug Purtil, KD8OLC; Kim Reynolds, KD8OLB; Keith Tampa, KD8OLA; Marco Bergoglio, KD8OLE (from Italy); Richard Harnois, KD8OKZ; Brian Hanselman, KD8OKY; Sarah Lichtman, KD8OKX; Angela O'Hara, KD8OKW; John O'Hara, KD8OKV.

We're also proud to announce that

the following hams successfully upgraded to General class privileges: Timm Thorsen, N8VYT; Ryan Lughermo, KC8PMX; Eric Kaplan, KD8OEU and John Clark, KC8TQP.

Congratulations to all.

Best Regards,
Dennis

Midland Hamfest Wrap-up

Keith Johnson, KB8SOE

Well, I can breathe another sigh of relief as our 2010 swap has come to a close. I'm very happy with how the swap turned out and how our presentation went. First of all I'd like to thank all of the volunteers who helped out this year. Without our volunteers, we would never be able to successfully hold our swap each year. I believe we had the largest group of help that I've ever seen in the years I've helped with the swap, and I'd like to thank all of those who helped.

I was pleased to have all of our available tables filled with vendors once

again this year. It is always nice to have the swap floor filled with items and service to be sold. On the other hand our attendee turnout for the swap was down a bit from last year. Our estimated number of paid attendees came in at between 210 to 220. While we may have a bit fewer in attendance, all who showed up found great deals at the swap, good food to eat, and a great presentation.

Our presentation "Standing up for Standing Waves" by Bill Hays AE4QL was a great success. I met a number of people who traveled a considerable distance to be able to see this seminar. Bill

does a great job in his presentation and I cannot thank him enough for traveling from Kentucky to bring it to Midland this year and to Dennis Klipa N8ERF for arranging it. While this sets the bar pretty high for next year's seminars, I'm sure with the ideas from our club members we can come up with some great informational presentations next year.

We learn something each year about how to successfully put on a swap and this year was no different. Our relocation of the ticket counter, signs directing the attendees and frequent announcements of swap information were ideas

from last year that we implemented this year. The knowledge from this year's swap will no doubt help us improve in the future. I look forward to trying some

of those new things next year.

If you have any ideas for next year's swap or would like to help in its planning, please stop me at one of our gener-

al meetings and let me know.

Now to start working on 2011!

73, Keith, KB8SOE

Field Day 2010 Results

John Tallman, KB8PGW

Thanks to all who helped set up and operate during Field Day 2010 at the Dow Diamond. Special thanks for Laura preparing the turkey this year.

We made 456 contacts. 190 Phone, 12 Data and 254 CW.

Phone:

75 meters - 4
40 meters - 45
20 meters - 47
15 meters - 60
10 meters - 6
6 meters - 28

Data:

40 meters - 11
15 meters - 1

CW:

160 meters - 1
80 meters - 72
40 meters - 153
20 meters - 6
15 meters - 22

By Operator:

WA8Y - 65
K8RRB- 6
KB8SOE- 10

W8LSS - 17

KD8HID- 8

KD8IQY -1

KD8IVZ 53

KC8ITI - 8

KC8RTW- 24

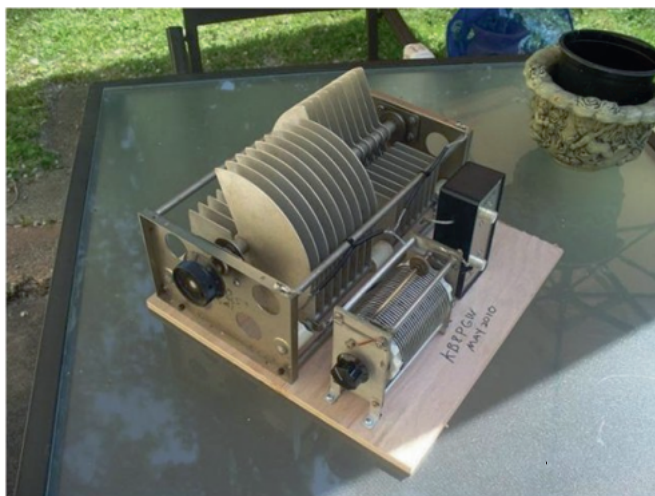
WB8FYR- 24

KB8PGW - 219 (all cw)

Unclaimed (on 20 phone) 29. I think Ryan KC8PMX and a few others made these.

73, John, KB8PGW

Field Day Secret Weapon



About five years ago, Raleigh, W8QOI handed me this rather large capacitor and said "hold on to this." I have no idea where he got it from—possibly from some kind of high power AM transmitter—but this capacitor is *huge*. It is a dual-section, 360 pfd per section unit. Combined with a rather large roller inductor I got from W8QOI's estate, I constructed a T-tuner.

The plates are mounted on one long bolt with spacers in between, so I loosened the bolt and inverted one of the rotor sections 180 degrees, making a differential capacitor as seen here. The tuner had no problem matching the transceiver on 160 through 10 meters to a very long dipole. We made 232 CW contacts through this tuner.

John, KB8PGW

Amateur Radio is a Contact Sport!

First Half of 2010 Sees Upswing in New Amateur Radio Licensees

(ARRL Letter -- July 15, 2010) As of June 30, 2010, the number of new licenses issued by the FCC in 2010 is outpacing the January-June 2009 totals by almost 8.5 percent; at this time last year, the FCC had issued 16,844 new licenses.

With more than 18,000 new Amateur Radio licenses issued in the first half of this year -- 18,270 to be exact -- 2010 is shaping up to be a banner year for Amateur Radio. So far, the number of new licenses issued by the FCC in 2010

is outpacing the January-June 2009 totals by almost 8.5 percent; at this time last year, the FCC had issued 16,844 new licenses. As of June 30, 2010, there are 694,346 licensed Amateur Radio operators in the US, an almost 1 percent

rise over all of calendar year 2009. Broken down by license class at the end of June 2010, there were 16,299

Novices, 342,064 Technicians, 154,284 Generals, 60,059 Advanced and 121,640 Amateur Extra licensees . Read more

here <<http://www.arrl.org/news/first-half-of-2010-sees-upswing-in-new-amateur-radio-licenses>>.

Technical Topics and Information

(ARRL Contest Update — June 23, 2010) The past couple of issues of the Mount Airy VHF Radio Club's newsletter, *Cheese Bits*, <<http://pack-ratvhf.com/Cheese%20Bits/cheesebits.html>> include an article by John KB3XG on converting a TV transmitter's driver amplifier to ham use. They don't say anything about what happened to the final stages...

During this roving season, it would be cool if your logging software could link your log to a map, wouldn't it? CQ/X by Chuck NO5W can do just that - <<http://www.no5w.com/>>

Mike K1MK points out that the best place to find vertex coordinates for the CIRAF (ITU) zones is probably the file Cirafz.sq which is located in the database subdirectory that comes with the VOACAP propagation prediction program.

Uh-oh! You dutifully cleaned off all

of your vacuum tubes to make them shiny and the numbers came off with the dirt! Pat AA6EG saves the day - "Put the tube in the refrigerator, cool it down, then bring it into a warm room temperature environment. There will be moisture condensing on the glass envelope, sometimes leav[ing] a readable outline of the tube numbers."

John WØUN notes that the Velleman K8090 interface kit has a USB interface that may be easier to use than the K8056 serial-interface kit. The K8061 is an extended USB interface kit.

HamCalc users will be glad to know that version 122 of this collection of handy calculators and programs was released for free downloads on June 17th. (Thanks, author George, VE3ERP)

Super-low-power (QRSRP) is just around the corner if this recent EE Times article < <http://www.eetimes.com/225600354>> about being able to use tran-

sistors while they're off is any clue. Maybe they could work something out for linear amplifiers, too! And run them off of potato-power < <http://hothardware.com/News/Potatoes-May-Power-The-Batteries-Of-The-Future/>> (QRPP)!

Larry W1DYJ recommends this Directive Systems <<http://www.directivesystems.com/STACKING.htm>> article about stacking Yagis. The article uses VHF antennas, but the ideas apply to stacking, in general. There are several good "App Notes" on the site.

Technical Web Site of the Week - David G3YNH's Web site "From Transmitter to Antenna" < <http://www.g3ynh.info/zdocs/index.html>> bills itself as "...a collection of scientific articles on the subject of impedance, impedance matching and high-frequency power transmission." And that it is - dig in and enjoy! (Thanks, Brad AA1IP)

FCC Modifies Amateur Rules to Allow Participation in Disaster and Emergency Drills on Behalf of an Employer Without a Waiver

(ARRLWeb—07/16/2010) In a Report and Order released Wednesday, July 14, the FCC amended Part 97.113 to allow amateurs to participate without an FCC waiver in government-sponsored disaster preparedness drills on behalf of their employers participating in the exercise. The FCC also has amended the rules to allow employees to participate in non-government drills and exercises up to one hour per week and up to two 72-hour periods during the year.

"Experience has shown that amateur operations can and have played an essential role in protecting the safety of life and property during emergency situations and disaster situations," the FCC noted in the R&O. "Moreover, the current Amateur Radio Service rules, which permit participation in such drills and

tests by volunteers (ie, non-employees of participating entities), reflect the critical role Amateur Radio serves in such situations. However, as evidenced by recent waiver requests, state and local government public safety agencies, hospitals and other entities concerned with the health and safety of citizens appear to be limited in their ability to conduct disaster and emergency preparedness drills, because of the employee status of Amateur Radio licensees involved in the training exercises. We therefore amend our rules to permit amateur radio operators to participate in government-sponsored emergency and disaster preparedness drills and tests, regardless of whether the operators are employees of the entities participating in the drill or test. We find that extending authority to operate amateur

stations during such drills will enhance emergency preparedness and response and thus serve the public interest."

In order to allow participation in non-governmental disaster drills -- such as those sponsored by ARES® or private hospitals -- the FCC will now allow amateurs employed by an agency participating in such a drill to participate up to one hour per week. In addition, they may also participate in up to two exercises in any calendar year, each for a time period not to exceed 72 hours. "This time limitation, which is consistent with the timeframes contained in the waiver requests filed with the Commission, should serve to further ensure the use of Amateur Radio for bona fide emergency testing," the R&O stated. "We emphasize that the purpose for any

drills we authorize herein must be related to emergency and disaster preparedness. By limiting the purpose in this manner, we further ensure that such drills will be appropriately limited.”

In amending the Amateur Radio rules, the FCC reiterated that it does not intend to disturb the core principle of the Amateur Radio Service “as a voluntary,

non-commercial communication service carried out by duly authorized persons interested in radio technique with a personal aim and without pecuniary interest. Rather, we believe that the public interest will be served by establishing a narrow exception to the prohibition on transmitting amateur communications in which the station control operator has a

pecuniary interest or employment relationship, and that such an exception is consistent with the intent of the Amateur Radio Service rules.”

The effective date of the R&O is to be determined and will be at some time after its publication in the *Federal Register*.

Swap 'n' Shop

For Sale: Excess toroid cores, Fair-Rite 2.4" OD type #31 mix @ \$5.90 each. Ideal for baluns 160 through 6 meters. You can build a good current balun for about the price of a cheap commercial one and get far better isolation. I purchased a 100 of the things and will only use about half.

Also, two MFJ 989C Versatuners--full legal limit--\$175 each. They are going for a bit over \$200 each on eBay. Roger (K8RI)

For Sale: Three Force-12 antennas. C19-XR for 10, 15, and 20 meters; WARC-7 for 12, 17, and 30 meters; EF-240S for 40 meters. Together they've worked 310 DX entities. They will be coming off my tower soon, so a quick purchase could minimize the disassembly. \$500 each or all three for \$1200. Contact Stan, K6VWE, 989-837-7252.

Wanted: 20 or 30 MHz dual trace oscilloscope. Contact Dan Cline,

KC8BOP, at kc8bop@arrl.net or 989-832-1770 days or 989-839-0284 evenings.

Small Tower Needed: A co-worker of mine is looking for a light duty tower 20' to 30' high to support a Speed Net dish. Please let me know if you have such a thing you are willing to part with. Kevin Barnum KB8QWQ home 687-6987 or kb8qwq@tds.net

MARC Vital Statistics

Memberships Expiring in July 2010

N8FUZ

Memberships Expiring in August 2010

KC0CJC

Memberships Expiring in September 2010

KA8ORL
KD8FSI

KD8IVZ
KD8IWB

WB8YAG

Current Active Club Membership 69

Birthdays Celebrated in July/August 2010

KC8PMX 7/2
K8RRB 7/8
KA8ORL 7/11
K8SQB 7/17

WB8RCR 7/21
N8XD 8/1
KB8QYB 8/9
WD8BPT 8/18

WB8FYR 8/24
KD8IWB 8/27

Anniversaries Celebrated in July/August 2010

K8SQB and Mary 07/16
KD8MQX and Emily 07/20
WB8FYR and WD8ODG 08/13

Information is from data received 5/7/2010

Any corrections or questions contact John, W8GN

Amateur Radio. . . We Do That!



Pat Mullet
Newsletter Editor
171 E. Orchard Ave.
Shepherd, MI 48883

If you desire to join the Midland Amateur Radio Club, the dues are \$20 per year for an individual membership. A family membership is available for an additional \$5 per year which covers all of the individual's family members. Family members must reside at the same address as the primary member to be eligible for the family member rate. The membership dues help to cover the operating expenses of the Club, and its radio systems. Membership includes Autopatch privileges on the W8KEA repeater (147.000+), voting privileges at MARC meetings, and a monthly newsletter. Please supply the following information:

Name: _____ Callsign: _____ License Class _____
Address _____
City _____ State _____ Zip _____
Home Phone (____) _____ Work Phone (____) _____
E-mail address _____
Spouse: _____ Callsign: _____ License Class _____
Birthday: (mm/dd) _____ Anniversary: (mm/dd) _____
Desired newsletter format: Paper copy via USPS _____ or via e-mail _____

Are you an ARRL Member? Y/N Do you want an ARES Application? Y/N

We request this information so we can communicate with you regarding MARC business, and periodically send you newsletters and congratulatory birthday & anniversary greetings. We do not sell this information nor will we knowingly publicize private information without your permission. Information that is publicly available may be distributed to Club members for various purposes, including membership lists, without prior notification.

You may give this completed form to the MARC treasurer, or you may mail it to:

MARC, PO Box 1049, Midland, MI 48641-1049