

# The Hertzian Herald



April 2011 • Volume 35, Issue 4 • Monroe, Michigan, U.S.A. • www.mcrca.org

## ON the AIR with **K8MLH**



As I begin to write this article Sunday evening, my thoughts reflect on the beautiful 83° day that I enjoyed today. While I am looking forward to our summer time, I watch the evening news report on TV that described the tornado that destroyed Mapleton, Iowa and that same storm center is headed for Wisconsin and northern Michigan - currently under tornado watches. My thoughts and prayers go out to those touched by those storms. I pray that we are prepared for the adverse weather that we will soon endure.

Skywarn Spotter training will be held at the Monroe High School on Wednesday, May 11<sup>th</sup> at 7:00 p.m. This is initial training for those who have not been trained in the past or refresher training for those who have. You can find additional information or register on line at the Monroe County Emergency Management Department Skywarn [website](#). In order for us to help our community in severe weather disasters such as the tornado that ripped thru Iowa, consider joining Skywarn Spotters.

This Saturday April, we will be participating in the Michigan QSO Party from noon 'til midnight. Everyone in the country will be trying to make contact with those of us in Michigan. Fred is leading this effort from the American Red Cross radio room. This is a great opportunity for all to come out to try their hand at HF operation and contesting. Even if you don't carry the necessary Amateur Radio license level, you can still operate under one who does and will be there to mentor those with an interest. Come join the fun!!!

The 2011 Fox Hunting season will start Saturday, May 14. We will start at the American Red Cross parking lot at 0900 hours local time. I am looking forward to another fun year searching for the elusive fox (N8KUF and W4BEFK for the first hunt). If you have not participated in a hunt yet, come out and join the fun. If you don't have the needed equipment, we can pair you up with someone who does. If there is enough interest, we can plan a project day to build an antenna or a foxbox or an active attenuator. Talk with me if you would like additional information.

Saturday, May 5<sup>th</sup> @ 1000 EST will be the one annual meeting for the RRRRA for 2011. If you are not a member of the River Raisin Repeater Association, please consider joining to support the fine job they do in maintaining the Monroe 72 repeater and the many extensions of that system. Come be a part of the direction setting for what the association will be doing this year. If you would like to join the RRRRA, see Mike Karmol, N8KUF.

We will see you at the meeting Thursday night.

Mike Hall - K8MLH MCRCA 2011 President

### Club Officers

#### PRESIDENT

Mike Hall K8MLH  
mlhall54@chartermi.net

#### VICE PRESIDENT

Wes Busdiecker KC8SKP  
busdiecw@netscape.net

#### SECRETARY

Brenda VanDaele KB8KQC  
ka8ebi@yahoo.com

#### TREASURER

Fred VanDaele K8EBI  
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#### DIRECTOR

Paul Trouten W8PI  
ptrouten@aol.com

#### DIRECTOR

John Bills N8RWI  
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#### DIRECTOR STATION TRUSTEE

Rita Baker WB8FBG  
wb8fbg@chartermi.net

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## MCRCA Minutes:

March 17, 2011

Meeting called to order at 7:33 pm, by Mike K8MLH  
Pledge of Allegiance  
Introductions: no new members, upgrades or guests.

PROGRAM: Fox Hunt Demo Mike K8MLH  
BREAK

DOOR PRIZE DRAWING: Paul W8PI, Wes KC8SKP, Sebastian KC8KVV

50/50: Nick AF8CS He donated his winnings to the scholarship

MINUTES: Motion by Mike N8KUF, supported by Paul W8PI, to approve as written in the Herald. Approved.

TREASURER REPORT: Motion by Paul W8PI, supported by Wes KC8SKP, to approve the treasurer's report as passed out to the membership. Approved.

HAMFEST: Fred everything going according to schedule.

DX REPORT: VU4 Andaman Island off of India,

FUTURE PROGRAMS: Paul W8PI digital radio demo.

HERTZIAN HERALD: Always looking for input from club members.

CLASSES: TMRA classes April 2nd and 16<sup>th</sup>.

TESTING: Next session April 16<sup>th</sup>.

FOX HUNT: Start back up May 14<sup>th</sup>.

FIELD DAY: Vienna park has been reserved shelters B and C up front.

ARPS: Mike reported that the Japan Amateur Radio League ([JARL](#)) — that country's IARU Member-Society — has asked that 7.030 MHz be kept clear for emergency use. [Other reports](#) are asking that these additional frequencies be kept clear: 3.525, 7.030, 14.100, 21.200 and 28.200 MHz

RRRA: Mike announced that the annual RRRA meeting will be held May 7<sup>th</sup> at the Red Cross 10:00 am. Mike will be mailing out renewal notices in April. The Fermi remote has been disabled because of an Amp problem. The batteries at the main site need replacing.

OLD BUSINESS: April 16<sup>th</sup> Michigan QSO Party Noon to Midnight. Mike will be getting a work party together when the weather breaks to install the new 2m/440 radio, the 220 radio and the dual band antenna on the Red Cross.

NEW BUSINESS: *Rita WB8FBG made a motion to donate \$100.00 to the Red Cross for our use of the facilities over the year. Supported by Wes KC8SKP. The motion was amended by Mike N8KUF to add an additional \$100.00 donation for disaster relief assistance in Monroe County. Supported by Clarence KA8OAR. Motion approved.*

ANNOUNCEMENTS: The TMRA hamfest is this Sunday and the club has 2 tables reserved for members to sell any items they want to get rid of.

ADJOURNED: 8:55 pm  
ATTENDANCE: 16

AF8CS Nick	K8MLH Mike	K8OCL Patrick	KA8EBI Fred	KA8OAR Clarence
KA8PQH Neil	KB8KQC Brenda	KC8KFY Bill	KC8SKP Wes	KD8MGT Clarence
N8KUF Mike	N8LLB Carl	W8PI Paul	WB8FBG Rita	KC8KVV Sebastian
Jim May				

## Committees

### Classes

Rita Baker WB8FBG

### Club Station

Rita Baker WB8FBG

### DX Net

Olimpio Varsogea WB8SEZ

### Field Day

Jeff Breitner KA8NCR

### Finance

Paul Trouten W8PI (chair)  
Fred VanDaele KA8EBI  
Dale Williams WA8EFK

### HamFest

Fred VanDaele KA8EBI

### Hertzian Herald

Fred VanDaele KA8EBI

### Historian

Nick Peth AF8CS

### Public Relations

Jeff Breitner KA8NCR

### Scholarship

Fred VanDaele KA8EBI

### School Liaison

Eric Worstell KC8QAH

### Programs

open

### Membership

open

### Planning

open

### Property Custodian

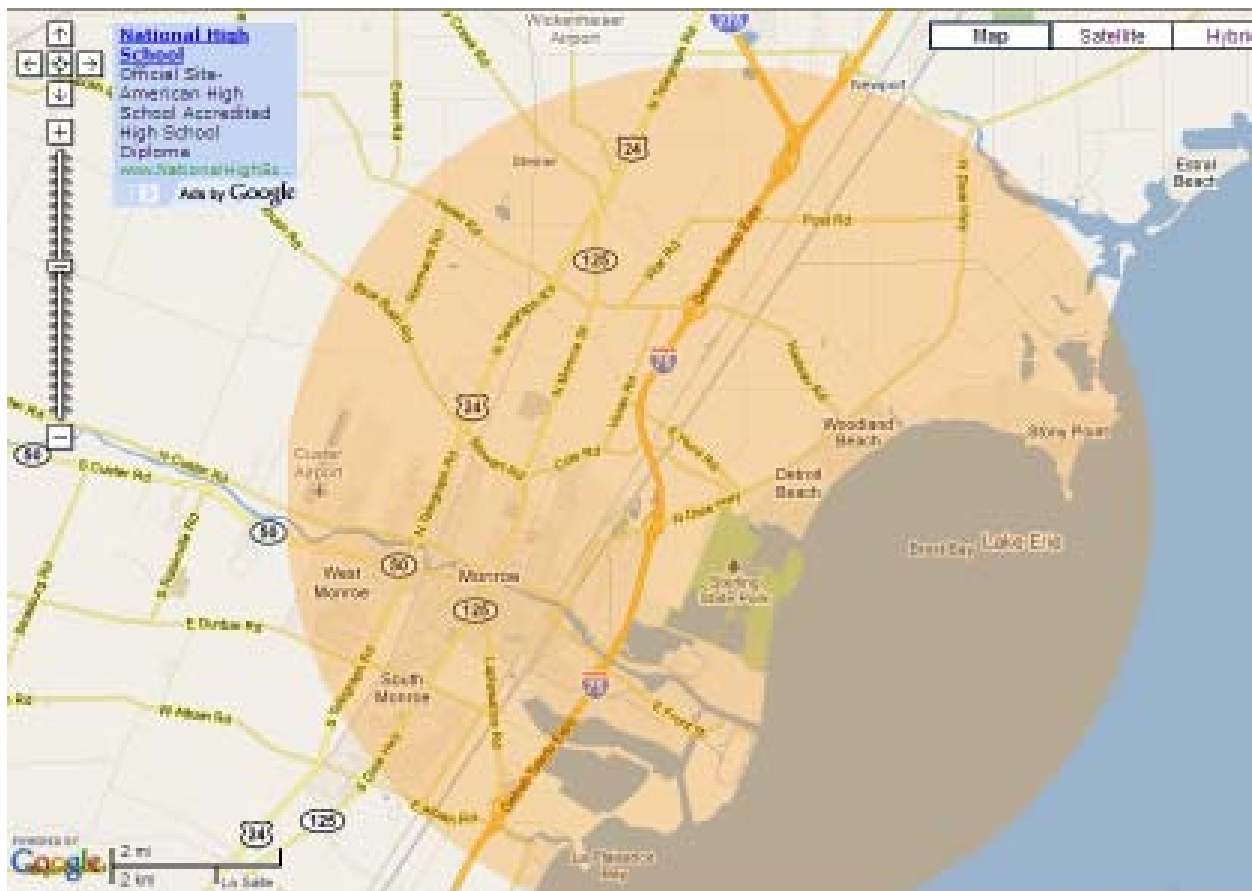
open

## MCRCA Foxhunts

### General Description

- 6 Monthly hunts May through October
  - Least mileage traveled from start
  - Transmitter is on 146.460 MHz
  - On one Minute - Off one Minute
  - Within the area of the below map
  - Must have enough signal to be heard at the starting point
  - Season Championship
- Point System
    - Fox 3 points
    - 1<sup>st</sup> 7 points
    - 2<sup>nd</sup> 4 points
    - 3<sup>rd</sup> 3 points
    - 4<sup>th</sup> up 2 points
    - DNF 1 point

First place is the Fox the following month



The first Fox hunt of the season will be held May 14th. We will meet at the Red Cross on N. Dixie Hwy. at approx. 8:45 am and the hunt will begin at 9:00 am. N8KUF and WA8EFK will be the fox for this hunt. We will distribute envelopes and record beginning mileage before the hunt starts. The hunt continues until Noon, if you haven't found the fox by Noon you can open your envelope and proceed to that location. The person with the shortest mileage will be the next fox at the next hunt. Remember speed isn't important accuracy will save you mileage.

## Fox Hunting Rules for 2011 Season

### Responsibilities of the Fox:

#### The Fox must:

1. Be an MCRC A member, or hide with an MCRC A member.
2. Use common sense to avoid placing anyone at risk.
3. Locate within the above map. The intent here is to be within a 5-mile radius (as the crow flies) of the American Red Cross – the starting point of the hunt. Must be able to be heard at the starting point of the hunt.
4. Locate on public non-residential property in a place accessible to the general public during hunt. Make sure teams are able to arrive at Fox's Hideout without violating Hunter's Responsibility Rule No. 5.
5. Locate where no admission charge or payment of any kind is necessary in order to access the Fox's Hideout.
6. The Fox must be visible from at least 250 feet away. Do not hide inside an enclosure or within brush.
7. Once the hunt begins, the Fox is to remain stationary (within about 20 feet).
8. Get permission from owners of property or local officials, as necessary.
9. Transmit on 146.460 MHz.
10. Transmit one minute on; one minute off.
11. Observe Fox Hunt Time Limits: 9:00 AM to 12:00 PM.
12. Arrange for distribution at starting point of envelopes with maps to Fox's Hideout enclosed.
13. Record odometer mileage for successful hunters at specified location. Record arrival time as soon as hunter finds Fox. NOTE: The time is NOT considered for the scoring – only the mileage. Take the time necessary to safely participate in the hunt. Then send hunters to a prearranged location, so as to not give away the Fox's location.

2011 Fox Hunt Schedule	
Hunt 1	May 14
Hunt 2	June 11
Hunt 3	July 23
Hunt 4	August 27
Hunt 5	September 24
Hunt 6	October 22

These are beginner's rules. As we expand and grow our capabilities, we may relax or expand some of these rules. We are here to learn about Foxhunting and have fun doing so.



## Hey! It's Not Always the Repeater!

By Ray Abraczinskas, W8HVG

There are new ham radio amateurs entering the hobby every week, and that's good! Many of them got their license by observing someone who operates on repeaters, so they are prone to become repeater operators too, and that's good! They will either buy a dual-band handie-talkie or a mobile radio as their first rig, sometimes a used one, and that's good! They are anxious to get on the air and use their new privilege, and that's good! Now let's talk about what typically happens with some real situations recently heard on repeaters. The names are fictitious but the situations are true.

New ham Joe sets his newly acquired dual-band radio on the front seat of his car and plugs it into the cigarette lighter using a dual adapter (he's got a GPS too). He runs the RG-58 coax from his dual band mag-mount antenna in through the rear car door where it won't be pinched (???) but he forgets that his wife always loads the groceries through that door. Now Joe is happy hamming on the repeater as he drives to and from work, and that's good! But oh, oh! About a month or so later someone tells Joe that his signal is noisy into the repeater. He doesn't know why so he says, "There must be something wrong with the repeater." But in reality, Joe's cigarette lighter connections have oxidized and burned from the overdrawn current, which is now lowering the voltage to the radio reducing its power output considerably, and the mag-mount antenna coax cable is shorted from being continually slammed in the door by Joe's wife getting groceries. If Joe's radio is putting out any power, it's only heat, and that's not good, but it's not the repeater!

Al lives across the state and has a terrific base station, several radios, a big tower with beam antennas, and even an amplifier that will run over 100 watts. He likes to talk to a friend on the other side of the state using the link repeater system run by the Independent Repeater Association. His signal is always impeccable but one time, he had trouble getting into the link system from his base station. He said that he was running over 100 watts with his beam pointed right at the repeater, and he still could not make the trip. There must be something wrong with the repeater! Well now, that link repeater had three different input receivers and Al tried all of them, but his signal was noisy and broken into all three. He took offense to the suggestion that it might be something in his station. In his mind, it was the repeater! The three receivers were checked for sensitivity and verified as working correctly. Eventually Al's signal was heard clearly once again on the link repeater system, and that's good, but nothing was ever changed or fixed on the repeater system that improved Al's signal. It's not always the repeater!

Bob worked hard to get his ham license taking the test over and over for several years. Finally he passed his Technician Test and that's good! He acquired a used HT with an old stubby-duck antenna and an extra battery but the seller was not sure if both batteries were good. They didn't seem to hold the charge very long or the radio just used lots of power and rapidly depleted them. Bob was excited to talk on the repeater from his basement apartment in the city using his new (old) HT. He was only about 12 miles from the repeater so it should work well, so he thought. In just about every QSO Bob's signal was noisy, wavering, and dropping out of the repeater (12 miles away). He says that it must be a repeater problem because he has absolutely no problem getting into the downtown repeater (with its antenna on the next building from him). Also, Bob has been monitoring the repeater all day and his battery has run down almost to the cutoff voltage. When he keys his HT, it blinks at him and there is no output. He tries the other battery but it doesn't hold a charge very well and the high power HT sucks the voltage down making Bob's signal weaker, even though he is operating on a rubber duck from his basement 12 miles from the repeater. Using the second battery, Bob making it in just barely says, "See I told you it was the repeater!"

Recently, a new ham visiting the area north of Grand Rapids from across the state was having trouble getting into the Big Rapids link repeater with his mobile radio. He was located approximately midway between Grand Rapids and Big Rapids, 40 miles away from either repeater, but using the Big Rapids link repeater. During his transmission, his signal would get noisy (like it drifted off frequency) and his audio became distorted (like it was drifting off frequency). Each time he transmitted, it would do the same thing. The friend that he was talking with commented that it must be a repeater problem. Just then another station checked in on the Big Rapids link repeater and he sounded normal, no problem, but the comments went on, it must be a repeater problem! No one figured that the visiting ham's radio could have been programmed for the wrong frequency 5 -kHz off, or decreasing in power output due to a bad power connection, or drifting off frequency, or had an antenna problem, or a loose connection, or was in a poor location relative to the repeater. No, it had to be a repeater problem!

Charlie is somewhat confined to his home and he operates a base station from his bedroom. His antenna is mounted on a pole outside his bedroom window. He likes to talk on the link repeater system because he can speak with many different people around the state. One day his signal was very noisy. People were saying that it was hard to understand what he was saying. Charlie said that there must be a problem with the repeater because he had no such report using the "local repeater." Then, later that day, Charlie found that his antenna coax cable was very loose on the back of the radio. He had moved the radio and forgot to tighten it back up. He tested after tightening it and everything was fine, his signal sounded excellent once again, and that's good! It wasn't a repeater problem!

(continued next page)

The following example is the pinnacle of all "repeater problem stories," the epitome of "it's the repeater," the crescendo in the expertise of analyzing problems with repeaters. Tom got a vanity ham call having passed his Extra Test and his mobile installation was excellent. He was a fussy budget with his radio equipment. His radio was mounted under the dash with power leads run thru the firewall to the battery, the speaker was mounted along side the driver's head so that passengers wouldn't be bombarded with loud audio, and Tom even used a permanent hanger for the microphone to avoid someone sitting on the microphone and keying the rig inadvertently. Tom's antenna was a removable mag-mount, again with the coax cable coming in thru the rear car door. One day when Tom was talking on the repeater, his signal was very weak and it was fluttering in and out of the noise level. People were telling him that they were having problems with the repeater, so it must be the repeater. When Tom got to his work place, he came back on the air and called in with a full-quieting signal commenting that he found the problem. He forgot to put the antenna on the car roof, it was lying on the back seat of the car when he was talking before. He said that he removes it to drive into his garage and forgot to set it up that morning. That's not good, but then it wasn't a repeater problem!

Think about if you ever had an "it's a repeater problem" like those described here. Maybe these examples can help you with your "repeater problems" or at least give you a laugh because it's not always a problem with the repeater! It could be a problem with, or in your station equipment, i.e., the frequency, tone, and offset are not set correctly, the squelch is set too tight, the microphone gain is set too high, there's a poor power connection (too many splices, too light a wire, loose fuse clip, cheap cigarette lighter adapter), there's a poor antenna connection (corroded, loose connector, pinched-shortened-open coax, or water in the coax or in the antenna base), a weak or low HT battery (needs to be charged), intermittent radio problem (low power output, high SWR shutdown), and last but not least, make sure that your mag-mount antenna is on the vehicle roof and not inside on the back seat (or in the trunk).

I hope that you enjoy the intended humor and the simple helpful technical suggestions provided in this article. Comments? Send them to abra@i2k.com - W8HVG.

## The River Raisin Repeater Association (RRRA)

would like to announce its annual business meeting, to be held **on Saturday May 7, 2011, 10:00 A.M., at the American Red Cross in Monroe (I75-N. Dixie).**

Elections for the Board of Directors will be held at that time, and current / planned business and projects for the association will be discussed. As a current / recent / prospective member, you are invited to attend the annual meeting to find out where the association has been and to help steer where it is going in the future.

The RRRA was formed in 1971 for the expressed purpose of promoting FM and repeater operation, offering a technical base on the subject, providing a useful communications facility for emergencies, and to develop friendships through a common goal. While RRRA members participate with many local clubs and organizations to provide our organization's resources to local and visiting radio amateurs, as well as to our communities, the RRRA is an independent organization, supported entirely by member dues and donations. Your membership and participation is critical to the successful maintenance of RRRA equipment and services.

The specialized nature of the Association and the intent to provide a service to all amateurs, call for only one general meeting yearly, so as not to conflict with the activity of local amateur clubs having a broader interest to the amateur community. The generosity of our members and friends continues to contribute to the service the RRRA can offer.

Each membership will run from May 1 to May 1 of the calendar year. Dues for initial memberships will be prorated to the nearest month, and credit given during the first renewal. New speed dial codes can be assigned upon request for an additional \$5.00. Current members will receive separate renewal information via the USPS.

Additional information about the River Raisin Repeater Association and repeater capabilities can be found via a link from the Monroe County Radio Communications Association (courtesy MCRCA) [www.MCRCA.org](http://www.MCRCA.org)

**WITHOUT YOUR SUPPORT ... THE MANY REPEATER CAPABILITIES THAT YOU CURRENTLY RELY UPON, (FOR BOTH CASUAL AND EMERGENCY COMMUNICATIONS) MAY CEASE TO EXIST.** Now more than ever, your membership and participation is critical.

(submitted by Mike N8KUF RRRA Sec/Treas.)

DX Net, Tues. 8:30pm  
Olimpio Varsogea  
WB8SEZ



The editors of 425 DX News Mauro and Valeria Pregliasco (I1JQJ and IK1ADH) are the first Italian inductees into the CQ DX Hall of Fame (May 07)

till 07/04	P29VCX: Feni Islands (OC-101)	13/04-30/04	9N7DX and 9N7YL: Nepal
till 09/04	K6VVA/6: St. George Reef	14/04-18/04	A25FC: Botswana
till 09/04	MM1REK/p and MM1LOL/p: Isle of Barra	15/04-28/04	5V7CC: Togo
till 10/04	DF0WFF: Langeness Island	15/04-18/04	DF0TM: Sylt Island (EU-042)
till 10/04	EG5CI: Columbretes Island	15/04-27/04	FJ/OH2YL: Saint Barthelemy
till 10/04	TC2J: memorial station	15/04-18/04	P29VLR: Green Islands (OC-231)
till 11/04	TM300CDXC: special event France	15/04-22/04	PJ2/PA7JWC and PJ2/PD7DB: 1037
till 12/04	H44MS: Guadalcanal (OC-047), 1027	Curacao (SA-099)	SM7DAY/p: Senoren Island
Solomon Islands		16/04-23/04	VK4LDX/p: Magnetic Island
till 13/04	5M2TT: Liberia	17/04-20/04	4A0IARU: special callsign
till 13/04	5W0JK, 5W0QQ, 5W0X: Samoa	18/04-24/04	T31A: Central Kiribati (OC-043)
till 14/04	P29NI: Nuguria Islands (OC-257)	18/04-28/04	TO2FH: Mayotte (AF-027)
till 15/04	S79UFT: Mahe (AF-024)	18/04-25/04	XV4LC: Vietnam
till 16/04	5X1NH: Uganda	20/04-25/04	P29VCX: Misima Island (OC-117)
till 16/04	P4/W1HEO: Aruba (SA-036)	22/04-25/04	P29VCX: Loloata Island (OC-240)
till 18/04	9L5MS: Sierra Leone	26/04-27/04	XF2P: Isla de Lobos (NA-221)
till 18/04	OX/G4MFX: Greenland (NA-018 and NA-134)	29/04-01/05	HI7/IK8DNJ: Dominican Republic
till 20/04	VP5/W5CW and VQ51V: Caicos Islands (NA-002)	30/04-13/05	JD1BMT: Chichijima (AS-031), 1039
till 21/04	FM/F6ARC: Martinique (NA-107)	30/04-04/05	JD1BLY: Chichijima (AS-031), 1039
till 22/04	D2QR: Angola	Ogasawara	7Q7HB: Malawi
till 30/04	4X20HC and 4Z20HC: special callsigns	30/04-07/05	XK1T: Tent Island (NA-193)
till April	9M2MRS: Penang Island (AS-015)	Ogasawara	JD1BMH: Chichijima (AS-031), 1039
till 01/05	CN2PV: Morocco	April	9A8AMS, 9A/IK4RQJ, 9A/IZ4BBF, 1039
till 15/05	HR5/F2JD: Honduras	April	T6PSE: Afghanistan
till 15/05	II1ECO: special event station	04/05-13/05	DL0YLWM: special event callsign
till 30/06	HG2011: special event stations	Ogasawara	V25DD, V25DR, V25TP: Antigua
till May	D2AK: Angola	07/05-15/05	MS0INT: EU-010, EU-059, EU-111
till August	RI1FJ: Franz Josef Land (EU-019)	9A/IK3AES: EU-110	FO/F6CTL: Ua Pou, Marquesas Isls
till 30/09	IO4UI: special callsign	May	FO/F6CTL: Ua Huka, Marquesas Isl
till September	P29CW: Papua New Guinea (OC-034)	01/06-31/07	PJ6: Saba (NA-145) * by K5AND, 1019
till September	ZD9GI: Gough Island (AF-030)	14/06-28/06	FO/F6CTL: Raitea (OC-067), 1039
till 25/10	5B50J: special callsign (Cyprus)	15/06-22/06	FO/F6CTL: Bora Bora (OC-067), 1039
till November	9Q6CC: Democratic Republic of the Congo	18/06-22/06	3D2: Rotuma * by VK4AN (3D2A)
till 31/12	BP100: special callsign	22/06-26/06	FO/F6CTL: Rangiroa (OC-066), 1039
till 31/12	BV100: special callsign	22/06-06/07	JX7VPA: Jan Mayen (EU-022)
till 31/12	CW5RV: special callsign	W5OZI, K5TR	FO/F6CTL: Tahiti (OC-046), 1039
till 31/12	GB65ISWL: special callsign	27/06-29/06	VK9HR: Lord Howe Island (OC-004)
till 31/12	HB60LU: special event callsign (Switzerland)	French Polynesia	FO/F6CTL: Rimatara (OC-050), 1039
till 31/12	HG200LST: special event callsign	30/06-03/07	KL: NA-242 * by K6VVA and K9AJ
till 31/12	IA7MM: special event station	French Polynesia	TM1G: Glenan Islands (EU-094)
till 31/12	II1ITA, II5ITA, II0ITA: special callsigns	June	W4T: Tangier Island (NA-083)
till 31/12	II1TO: special callsign	03/07-07/07	XM2I: Isle-aux-Grues (NA-128)
till 31/12	PI30ETL: special event callsign	06/07-16/07	CR6W: Insua Island (EU-150)
till 31/12	RI1ANC: Vostok Station, Antarctica	07/07-10/07	YB9WZJ/p: Doom Island (OC-239)
09/04	4D69DM: special event station	French Polynesia	JW9DFA: Spitsbergen (EU-026)
09/04-10/04	HI1RCD: Isla Beata (NA-122)	08/07-17/07	4W6A: Atauro Island (OC-232)
09/04-22/04	TO2G: Reunion Island (AF-016)	11/07-14/07	T32C: Kiritimati (OC-024), 1031
10/04-16/04	LG5LG and SJ9WL: Morokulien	Austral Isls	Conway Reef * by YT1AD, K3LP
10/04-24/04	TM26UFT: special callsign (France)	21/07-27/07	PJ7X, PJ7NK, PJ7J: Sint Maarten
10/04-15/04	XV2LC: Vietnam	27/07-03/08	CE4A: Pupuya Island (SA-095) * 1039
11/04-18/04	9A/HA5AUC, 9A/HA5BWW, 9A/HA7PC: Rab Island (EU-136)	27/07-31/07	
11/04-12/04	N4S: special event station (Puerto Rico)	29/07-31/07	
		30/07-31/07	
		30/07-31/07	
		14/09-19/09	
		16/09-26/09	
		28/09-26/10	
		Eastern Kiribati	
		01/10-11/10	
		26/10-09/11	
		November	
		by VE3LYC and CE3PG	

## Amateur Radio Examinations Monroe, MI

Monroe County Radio Communications Association Amateur Radio examinations are held the 3<sup>rd</sup> Saturday of every even numbered month at:

**American Red Cross Chapter Bldg.**  
1645 North Dixie Highway  
Monroe, MI 48161

Walk-ins are always welcome.

### 2011 Schedule:

February 19	April 16
June 18	August 20
October 15	December 17

### TESTING BEGINS PROMPTLY AT 9:00 AM

Applicants are expected to have all forms filled out and be ready to take tests at that time. Coffee and doughnuts are available at 8:30 AM. For more information or to make reservations, call Paul Trouten - W8PI at 734-854-2224

### Join us at the next meeting

April 21st at 7:30 pm  
American Red Cross Chapter Bldg.  
1645 North Dixie Highway  
Monroe, MI 48162

### Local Nets

**ARPSC Net** - Every Monday evening on '72-Monroe (146.72 Mhz) starting at 9:00pm.

**DX Net** - Every Tuesday evening on '72-Monroe starting at 8:30pm.