

# Marrowstone Island Amateur Radio Club Agendas and Minutes

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9-10 am at Hubbard's

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## 9/19/2014 Agenda

1. Insurance
2. Discuss forming club
3. Form club
4. Elect officers
5. Reimburse Kurt for Lisa Painter's Baofeng UV-5R+.
6. Discuss liaison person for communications with WSU in my absence.
7. What's next if we get our insurance and WSU signs off? Trailer?
8. HAM recruitment and training:
9. Drill/training protocols – getting the network of neighborhood coordinators on board.
10. buy radios – both Baofengs and FRS.
  - a. Bob Hamlin mentioned at our recent NPREP Team meeting that he is thinking of making a bulk purchase of FRS radios. He did not know when he was going to do this. I asked him to talk to me before he started the process.

# 9/19/2014 Minutes Final 10/17/2014

Marrowstone Island Amateur Radio Club

Board Meeting Notes

September 29, 2014

Meeting Started 0900 hrs

Present: Pete Hubbard, Dick Illman, Kurt Steinbach, Owen Mulkey, Patricia Earnest, Mike Coffeen.

With 6 interested persons present, we agreed to form an amateur radio club for the benefit of Marrowstone Island residents to provide enhanced communications during emergencies and to advance the state of the art in radio communications.

After discussion, we elected the following officers:

President: Dick Illman, AH6EZ

Vice President: Kurt Steinbach, KG7EKI

Secretary: Mike Coffeen

Treasurer: Owen Mulkey NOWO

We discussed and established the need for a Constitution and By-Laws which will be drafted up by Dick Illman and submitted to the rest of the officers for approval.

We discussed the benefits of filing with the FCC for a club callsign. Dick Illman volunteered to be the trustee and to submit the application for the callsign.

We also discussed the need for a liaison POC with WSU, which would be Kurt, then Dick, then Owen depending on their availability. The officers then recommended that we ask MIEP to reimburse Kurt for the cost of Lisa Painter's radio.

The President assigned the following Committee Chairmen:

Repeater Committee chairman: Dick Illman

Program Chairman: Dick Illman

Emergency Preparedness Committee chairman: Kurt Steinbach

The next meeting is scheduled at 0900 hrs before the next MIEP meeting at Pete Hubbard's house.

Meeting adjourned: 1000 hrs.

Submitted: Mike Coffeen, Secretary

~~(note: do we want to include the comments about ARRL club association, future weather station at repeater trailer, insurance, recruitment of new hams and existing ones?)~~

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## 10/17/2014 Agenda

-members present:

- A. Approval of previous minutes
- B. Tres. report
- C. Agenda Items:
  - 1)Update on club call and vanity application.
  - 2)Update on repeater battery/ charger.
  - 3)Update on IRLP and EchoLink
  - 4)Update on Baofeng extended and AA battery packs
  - 5)Update on Baofeng speaker microphone
  - 6)Update on repeater coordination
  - 7)\$5 dues collection and no fee checking account?
  - 8)Insurance coverage for repeater and ARRL
  - 9)Additional items:

Meeting adjourned:

Next meeting November 21, 2014

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## 10/17/2014 Minutes

-members present:John Comstock (KI6ENC), Owen (N0W0), Dick (AH6EZ), Pete, Mike.

-absent: Patricia Earnest

-approval of previous minutes: approved, Owen proposed, Pete second, all in favor.

Tres. report: group discussed bank account, future dues and insurance for repeater. Group approved the collection of \$5.00 from each member present, which was done. Owen will start the account under the MIGC account, which will save money.

#### Agenda Items:

1)Update on club call and vanity application: Dick presented copy of FCC call sign document to members, for KG7EG, the other should come in late October.

2)Update on repeater battery/ charger: The repeater power supply is inadequate, needs to be replaced, and the battery size needs a future upgrade.

3)Update on IRLP and EchoLink: Both are working, IRLP is radio only, Echolink is by computer or iphone.

4)Update on Baofeng extended and AA battery packs: Dick showed extended capacity rechargeable battery that was modified to fit and a AA battery pack with 6 AA batteries with one removed and a dummy battery put in to reduce the voltage.

5)Update on Baofeng speaker microphone: Dick showed the remote speaker/microphone for the Baofeng radio.

6)Update on repeater coordination: Dick informed the repeater coordination committee that the repeater is on the air, we are in a 3 month trial period for possible interference. Noone has been on our channel so far, mid December is the end of the 90 day period.

7)\$5 dues collection and no fee checking account: as mentioned earlier this was done and \$25 was turned over to the treasurer.

8)Insurance coverage for repeater and ARRL: Owen called the ins. company w/ARRL and they wanted \$250.00. So members and MIF will be asked to pay for this.

9)Additional items: Dick suggested that we put together an e-mail roster, Pete will put bylaws on the site.

: Bylaws- approved by e-mail.

: A possible future project is a tsumani signal for the repeater.

Meeting adjourned: 1005 hrs.

Next meeting November 21, 2014, 0900 hrs.

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## 11-21-2014 Agenda

- 1) Dick: Training on 2-meter cross-connect
- 2) Dick: WSU update if any
- 3) Pete: Ideas to enhance the "Display Board"
- 4) Pete: What do you think about an MI ND post with weekly reply-reminders the night before the 9:30 check-in to hopefully encourage more Islanders to use their HAM licenses and be added to our [Check In Protocol](#).

## 11-21-2014 MIARC Minutes (DRAFT)

-meeting start 0900 hrs.

-members present: Pete, Dick, Owen, Patricia, Jenn, Mike.

-membership info list:

Dick Illman, 2800 E. Marrowstone, AH6GZ, 360-385-4854(H), 360-302-0226(C), [AH6EZ01@gmail.com](mailto:AH6EZ01@gmail.com)

Jenn Prime, 1640 Griffith Point Rd, KG&EKG, 360-531-4772(C), [jennprime@q.com](mailto:jennprime@q.com)

Patricia Earnest,

John Comstock,

Owen Mulkey, 211 Madronna Rd., N0WG, 360-385-5374(H), 360-301-0449(C), [owen@olympus.net](mailto:owen@olympus.net)

Pete Hubbard, 824 Schwartz Rd., KG7EKM, 360-385-0105(H), [hphubbard@gmail.com](mailto:hphubbard@gmail.com)

Mike Coffeen, 450 Robbins Rd., no license , 36-385-3342, [mpcoffeen@q.com](mailto:mpcoffeen@q.com)

-Treasurer's report= \$25 in the bank. No expenses for the month.

-Approval of minutes from October 2014, approved by Dick, Pete seconded.

-agenda items:

- 1) Two meter cross connect is operational, bidirectional, it is a useful tool, but wwe will need training to operate. Dick showed a series of powerpoint (ppt )slides demonstrating the circuits in the repeater and the duplexer: a block diagram, duplexer freq. response diagram, block diagram of final configuration, normal operation DTMF codes:8888\*, 1234\*, 74NNNN- IRLP, a list of operator control codes 74\*NNNN- Echolink, 73-disconnect.

-discussion of putting ppt slides on same site as bylaws, approved.

-Echolink and IRLP= radio to radio only, 4 digit gate key, would give us access off island, earthquake without internet, talk outside of area to healthy areas, or HF radios. Echolink is radio to radio, radio to computer, computer to computer, 6 digit gate key code (node#), through repeater.

IRLPs

Echolink

19 in Puget Sound

21 in Puget Sound

-verified by license.

: IRLP-radio to radio, through repeater to radio to internet to repeater and radios. In a disaster we can up the power and link to google earth to id. repeaters, then practice comms, etc.

:Echolink- radio to PC or smartphone, in disaster PC to PC, still use radio protocol.

-[www.irlp.net](http://www.irlp.net) website with node information 74 3708.

-[www.echolink.org](http://www.echolink.org) = must be a registered user, send in copy of license, detailed instructional slides

-no discussion of WSU update.

-Posterboard covered in MIEP meeting, same for weekly radio checkins.

-meeting adjourned 1005 hrs.

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## 12/19/2014 Agenda

1. Pete: DEM has asked that we (MI) participate in a test/drill sometime in February. Preliminary details at the meeting. DEM request that we do a [roll up test](#) in January.
  - a. <https://sites.google.com/site/miemergencyprep/hamfrs> NERD
  - b. Neighb. Emer Rep Plan - <http://www.jeffcoecoc.org/library.htm> PDF
2. Kurt: WSU status/strategy, electronics status/upgrades, emergency operations protocols.
3. Dick
  - a. Should we consider different net and meeting times that could include daytime workers?
  - b. FRS liaison efforts by hams? We should be able to at least hear more distant FRS users.
  - c. How to get Lisa on the net.
  - d. Need to identify WSU decision makers. Need to remind them of urgency based on recent storm outage. We need more space for a larger battery and quick/secure/safe generator connection.
  - e. Repeater trailer search?
  - f. Very short preview of January VY0 dxpedition only if time permitting.
- 4.

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## 1/16/2015 Agenda

1. Dick: Repeater location and trailer
2. John: Power options
3. Dick: RT KG7QEK
4. Pete: DEM has asked that we (MI) participate in a test/drill sometime in January. Preliminary details at the meeting. DEM request that we do a [roll up test](#) in January.
  - a. White board
  - b. [Roll-up plan](#)
  - c. How do we get 20 testers?

- i. [Map](#) -
  - ii. <https://sites.google.com/site/miemergencyprep/hamfrs>
  - iii. Neighb. Emer Rep Plan - <http://www.jeffcoec.org/library.htm> PDF
5. Pete: Display board for MICA meeting; 2 minute presentation
- 6.

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## 1/16/2015 Minutes

MIEP-Ham

Meeting minutes 1-16-2015, 0900hrs. Mike Coffeen

General discussion: members should join ARRL.org, \$40/yr plus CQ magazine. We need 50% of members to join to get listing of club in ARRL web site. Dick mentioned our Ham group web site- AA7MI, check in Google.

-members present: John, Patricia, Pat (new amateur), Kurt, Pete, Owen, Dick, Mike

Agenda discussions: 1) storm followup- repeater lasted for the event but had little usage, will definitely need a larger battery, we should plan for a 5-10 year event first. With internet access you can view PUD google map that shows emergency truck locations and outage areas. Pete said he used his smart phone to watch the map. Dick discussed FRS network testing scheme, with results of transmissions from roadways, not homes.

2) RT System- Dick discussed the programming software available from this company for Baofeng, ~\$100, but software is much better than Baofeng and their cable. Cable works on several makes of portables, software is specific. Pete may also get a copy.

3) Repeater location/WSU- Dick stated that WSU is getting down to only a few questions, Kurt has forwarded all the recent e-mails to club. Owen suggested that we just put a 15 amp outlet plug on the trailer which should be adequate current. We need to do a budget for all the expenses on the repeater, just the liability insurance is \$200/yr. To buy the trailer and other items we hope to get financial help from MICA, MIF, MIEP, with MICA owning the trailer. Power options were discussed, including a propane generator, extra charged batteries. A propane generator with a 40 gal tank should last 4 days. Getting large batteries were discussed with venting problems for flooded cell and advantages for AGM. -It was suggested that we talk to DEM about how they have their "corn dog" trailer set up. It has a ham shack and battery bank, no generator. Their target is 7 days of outage with 150 watts of draw.

4) Purchase of a trailer should be pursued immediately after we have a signed MOU with WSU. We need formal confirmation that MICA/MIFF will cover the purchase, the insurance and hold the trailer title.

5) There should be no discussion with WSU about auxiliary power until we have the present MOU in place. Auxiliary power might be something we bring up once we have been at TVR for a while.

1005 meeting adjourned.

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## 2/20/2015 Agenda

(From Dick's MI ND [Post](#))

1. Welcome new members-Dick
2. Read past meeting minutes-Mike
3. Treasurer report-Owen
4. Repeater update
- WSU site update-Kurt
5. Roll Up Exercise wrap up
  
6. EOC VECOM update
- Sending ICS forms using MT63-Dick
7. Any other business

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## 2/20/2015 MIARC Minutes

-meeting start 0900 hrs.

### Agenda

- 1) Tres. report- \$35 in account
  
- 2)Jan. minutes-approved
  
- 3) Repeater update-Dick reported cross connect is up and working, 2 meter call sign is transmitted in code so that is what we are hearing, the time stamp is turned off right now, there is no update from WSU so we will keep pushing on agreement.
  
- 4) Roll-up exercise wrap up shows a real success for MI and EOC is very happy with us.
  
- 5) EOC VECOM- Dick has software loaded, with it you can send ICS forms using MT-63, to send filled out forms from FRS exercise or incidents. It is especially for red incidents. There is also an android app available to send data thru the Baofengs. W1HKJ.com has it online: FL Digi,FLMsg,FLWrap,FLamp. You must have a call sign to be legal.
  - google: maidenhead grid square...
  - get an interface box to connect Baofeng
  - EOC uses ICS-213



6) there was a discussion of how to organize MI radio coverage during an incident, how monitoring is handed off and what constitutes health and welfare traffic as opposed to emergency traffic.

7) Other business: put up google.com map of MI with new Ham/FRS icons and areas shown as a Neighborhood Radio Net map. [Click here](#) to view the map.

meeting ended 1000 hrs.

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## 3/20/2015 Agenda

-meeting will start 0900 at Hubbard's.

1. Read approve meeting minutes
2. Treasurer report \$35
3. ARRL Club Affiliation applied for
  - a. Kurt: MIARC insurance. Needed to qualify for discounted insurance
4. Repeater update
  - a. CTCSS encoder repair/adjustment
  - b. Weak RFI from D-Star
  - c. MT63 ICS213 form test with EOC
5. Trailer
  - a. Kurt: Discuss Owen's trailer offer
  - b. Kurt: Next push on repeater - WSU, trailer
  - c. Kurt: Funds for repeater and trailer

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## 3/20/2015 MIARC Minutes (none)

## 4/17/2015 MIARC Minutes

Minutes (final) MIARC meeting 4/17/2015 9:00-10:00 AM (5/12 update)

Meeting held at the Chimacum Fire Station meeting room, 9193 Rhody Drive, to accommodate the special meeting of the MIEP-TF to be held directly afterward. Bob & Pete arrived at 8:30 to connect Pete's equipment to the system in place so agenda notes could be seen by all.

Present: Dick Illman, Owen Mulkey, Kurt Steinbach, Pete Hubbard, Rita Kepner, Patricia Earnest & guest Bob Hamlin.

Absent: Mike Coffeen

With Mike out sick, there were no minutes to read.  
No Old Business

New Business:

In response to a question by Patricia, it was stated by Dick that the MIARC owns the MI Repeater. There were no objections.( MIF had agreed to cover the \$200 Insurance once the ARRL Charter for the MIARC was approved.) Per previous e-mail by Dick it was approved.

Dick suggested that we need to check the ham radios without the repeater. It was stated that after a Wednesday check-in, we would do so. TBS

It was stated that V-COM goes to 145.5 in an emergency.

We need to update our HAM only data base. It will be done by Pete who will put it in a hard copy for each MIARC member to have. Owen added that we need to know the type of capabilities of each Island Ham.

Kala Point FRS drill roll-up will be on May 10th. We may put an FRS drill in May for Island Ham Club as well as other Island Hams.

Owen will contact ARES about adding Island County to the Jefferson, Clallam & Kitsap County Wednesday check-ins via the Port Townsend Repeater & the Marrowstone Island Repeater.

Patricia reported on the possible purchase of bull horns as early warning devices for MI as mounted sirens as in PT are cost prohibitive for us. The idea was rejected.

Bob Hamlin suggested acquiring old police sirens mounted on poles with a switch lock, battery & charger which could be used for Tsunami early warning, fire, etc. Bob said they're successfully used in Oil City at the Ho River by the tribe there. They should be about \$500 each to acquire. It was stated that we need to at least test one... wail sound is most effective, said Bob. No-one volunteered to follow up with the Fire Dept or Police Dept to get further info. It's felt that MI needs an Island wide Audio System of some kind for warning. Will someone take it on?

Meeting adjourned at 10 AM

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## 5/15/2015 MIARC Agenda

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## 4/17/2015 Agenda (9-9:45 am at Station 1-1, before MIEP meeting)

(Pete will arrive at 8:30 am to setup. We may start early at 8:45 am if everyone is present)

1. Read and approve last meeting minutes
2. Treasurer's report

### Old Business

3. ARRL Club Affiliation - resubmitted and expected April 22
4. ARRL insurance - waiting for affiliation
5. WSU progress - waiting for affiliation and insurance
6. Repeater trailer - waiting for WSU agreement

### MIEP Business?

7. MIEP Task Force involvement

### New Business

8. Ham simplex coverage test (after a 930 net) - can we talk without the repeater?
9. Update database of ham club members capabilities and emergency preparedness
10. Connection with Island County ARES

## 4/17/2015 Minutes

Minutes (final)MIARC meeting 4/17/2015 9:00-10:00 AM (5/12 update)

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Meeting adjourned at 10 AM

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# 5/15/2015 Agenda

## Proposed Agenda

Who will take the minutes. *No volunteered.*

Read past meeting minutes, if there were some.

2. Treasurers report

3. Repeater

a. Frequency Coordination official

[https://www.wwara.org/db/coc/CoC\\_AH6EZ\\_5628\\_20150502.pdf](https://www.wwara.org/db/coc/CoC_AH6EZ_5628_20150502.pdf)

4. WSU Contract

a. MIARC now ARRL Affiliated

<http://www.arrl.org/Groups/view/marrowstone-island-amateur-radio-club/type:club>

b. Proceed with getting club insurance

ARRL number or master ID for insurance purposes the number is 2001016713 *Hayes in insurance company.*

c. Per Dan Hardesty, WSU will send contract to sign soon

d. We can accelerate the search for a trailer *Wait till we are signed off*

5. FRS radios

a. Progress on bulk purchasing. *We're in hold mode; no purchase plans at this time. Create a conversation (having a FRS ready; mailing list, festivals, MICA meetings [donations; as-is radios]) with Islanders (make a little money) Motion: Bulk purchase on hold. All said Aye.*

b. Coordination of FRS tests close to Wednesday nets

Dan Baker on FRS at 8:55 the first Wednesday of each month.

Range tester

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## Next agenda/minutes