

Marin Amateur Radio Society Monthly Newsletter

Founded 1933

February 2020

Presidents Corner

A glance out my window suggests that spring is in the air. The trees are blooming the shrubs are budding, but of course it is still only March. We are still a couple of weeks before the vernal equinox. Even though spring has not officially sprung we are ramping up for the 2020 public service season. This Saturday at 11:00 the doors open for the annual Public Service luncheon. There will be a review of last season, awards, door prizes, a silent auction, and a discussion of this season. We will hear from some of our supported organizations. We will provide food and an interesting program. I urge you to show up if you participated in the past and particularly if you are interested in participating this year. Please let us know if you intend to attend so we can be sure to have enough food by emailing to rsvp@w6sg.net.

There is also the regular meeting this Friday. We will have a speaker: Marcel Stieber AI6MS speaking about ARKnet – Wireless Emergency Internet. Last year he did an excellent presentation about Off-Grid Solar Systems for Radio Sites.

On Sunday the morning net went much better than it has the last couple of weeks. Our Repeater Recovery team is making progress on a number of fronts and I will provide a more complete report later on.

73 de WA6UDS

New Members

ARRL News

Member Reports

Treasurers Report

Minutes

From the Editor

Ed Essick, K6ELE

Improvements at the Clubhouse

Many of you may have not noticed the recent changes to our clubhouse that have been completed since they are not very visible. The first repair, was the replacement of the roof and gutters. Our contractor has just finished the repairs to the back deck and door to the rental to stop the leaks. See the results later in this issue.

The next project is the installation of our tower base by the contractor, which will complete his work. Thanks to Milt Hyams and Doug Slusher for their work in securing bids for the repairs and following through with their completion.

Thanks also to Milt for spending a lot of time trying to find an insurance company to provide us property insurance. Our previous insurer declined to provide a new policy and Milt took on the job of finding a new one. Quotes ran as high as \$10,000 for coverage, but Milt found coverage for \$5,000. Our previous carrier cost was \$4,000, however we found out that we were underinsured for the building coverage.



Thanks to John Kristian, W6JMK, for spotting this.

Speakers Wanted

We are always looking for speakers for the monthly meetings. If you have a topic you would like to present or know someone who might be interested in presenting, please contact the club president or any board member.

Welcome to our new members

JoAnne Saltzgaber KN6FXH, Fairfax
Robin Dohrmann KM6QWI, Mill valley

Articles Wanted

Do you have a topic you can contribute for an article? Help make QSA5 better for 2020 and write an article.

ARRL Audio News

ARRL Audio News is a summary of the week's top news stories in the world of Amateur Radio, along with interviews and other features. Enjoy ARRL Audio News anywhere: on your smart phone or tablet, your local repeater, or stream it on the go!

How to Listen to Audio News

ARRL Audio News is distributed through the podcast host Blubrry.com. You can subscribe to the podcast via your IOS or Android mobile device using your favorite podcast app, or listen and download episodes direct from the Audio News page at Blubrry.

Audio News Format

Each edition of ARRL Audio News runs between 10 and 15 minutes. For those airing ARRL Audio News on repeaters, listen for the letter "K" sent in Morse code every three minutes or so; that signals a four second pause in the audio. We provide these breaks to give you a moment to prevent your repeater from timing out or insert a repeater ID.

Local repeater carrying the audio news.

CA	Santa Clara	Loma Pioneer Repeater Club	WR6ABD	Friday	7:45 p.m.	146.640			
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Windows Upgrade

Rob Rowlands NZ6J

I suspect many of our members may still have windows 7 (or XP even!) on their computers. Since January 14 there are no more updates from Microsoft, and ignoring the need to upgrade can have ugly consequences!

Here is how to get to Windows 10 for free!

<https://www.zdnet.com/article/this-free-windows-10-upgrade-offer-still-works-heres-why-and-how-to-get-it/>

ARRL News

Coronavirus Outbreak Postpones Swains Island W8S DXpedition

The W8S DXpedition to Swains Island in the Pacific, set to take place in mid-March, has been postponed until September as a result of travel restrictions imposed on individuals entering American Samoa, stemming from the recent coronavirus outbreak. The Department of Health allows non-residents to enter American Samoa only via Hawaii after a 14-day mandatory quarantine, and the DXpedition was unable to accommodate that requirement.

"Everything is prepared for our DXpedition, and we are eager to go, but unfortunately the coronavirus outbreak is out of our control," the DXpedition team said in announcing the delay. "Although this is a disappointment for everyone, the W8S DXpedition is not cancelled, just postponed for later this year."

Reprinted with permission from ARRL Newsletter 2/20/20

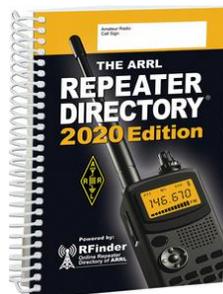
ARRL Comments in Opposition to FCC Plan to Delete the 3.4 GHz Band

ARRL has filed comments opposing an FCC proposal to delete the 3.3 - 3.5 GHz secondary amateur allocation. The comments, filed on February 21, are in response to an FCC *Notice of Proposed Rulemaking (NPRM)* in WT Docket 19-348 in which the FCC put forward a plan to remove "existing non-federal secondary radiolocation and amateur allocations" in the 3.3 - 3.55 GHz band and relocate incumbent non-federal operations. The FCC's proposal was in response to the MOBILE NOW [Making Opportunities for Broadband Investment and Limiting Excessive and Needless Obstacles to Wireless] Act, enacted in 2018 to make new spectrum available for mobile and fixed wireless broadband use. ARRL noted that amateur radio has a long history of successful coexistence with primary users of the band.

Reprinted with permission from ARRL Newsletter 2/27/20

New ARRL Repeater Directory Now Shipping

The *2020 ARRL Repeater Directory*[®] is now shipping. It includes "crowdsourced" listings contributed by users, repeater owners, and volunteer frequency coordinators. This means more listings that are updated more often. With 21,000 listings, it's the most complete printed directory of on-the-air repeaters, covering repeater systems throughout the US and Canada.



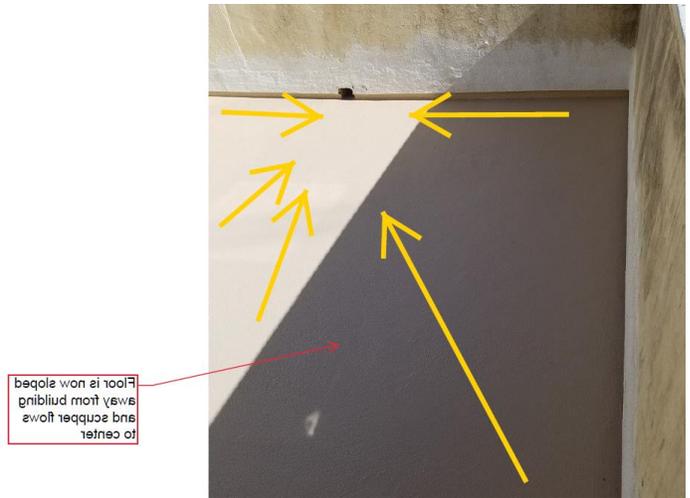
Clubhouse Repairs

Milt Hyams

Over the past four months Conner Construction has been making long over-due repairs to the roof to cure a long-standing problem with leaks. While the work on the roof has been for all to see, many of our members did not know that there is a deck off of the back of the upstairs apartment. The only real evidence was plastic buckets and missing roof tiles in work area. The leaks in this area was caused by faulty design of the upstairs deck directly over this part of the building. The deck, sloped toward the building and the door to the apartment, held water in any substantial storm and leaked badly. To compound the problem, the drainage system on the deck, a shower type drain on the floor of the deck about four feet from the door to the apartment became plugged from time to time and also leaked onto the workshop area below. The consequence was water damage and some dry rot and wet equipment below.

Besides the roof, Connor replaced the deck, the rotten door and frame and some rotten areas around the base. The drain slope of the deck toward the outside of the building and scupper drain was installed to an exterior drain pipe. The deck surface was replaced with an epoxy type material that is not only waterproof, but is quite attractive. The photos show the final stages of the repairs before painting so the areas of repair can be seen.

This project represents an important effort to preserve our most valuable asset--our Clubhouse!!



AF-MARS Needs a Few Good Communicators

Milt Hyams

Steve Silen WB6KWL, the director of the AF-MARS team at Travis Air Force Base, made a presentation at the February 4th General Meeting on the current status of AF- MARS, the Air Force Military Auxillary Radio System. He reported that in 1996 they were virtually disbanded in each service with funding removed. The Navy dropped MARS completely four years ago. However, there has been a renewed interest at DOD in MARS, but still volunteer staffing is woefully short. MARS operations for the various services are in the process of being consolidated as MARS-RADIO. They have the capability to call anywhere in the world with their encrypted communications.

Steve wants to encourage interested MARS members to visit one or more of their meetings which are held on either the first or second Saturday of each month. The meetings coincide with the monthly drill dates for the 23rd Combat Communications Squadron. The Mars station belongs to them and they try to coordinate with Squadron on normal operations.

For those interested in monitoring Mars nets, they can be found on following frequencies in Region 9: 13,993.0, 7,578.5, 7,915.0, 6,818.5, 5,004.5, 5,112.0, 4,017.0, 4,011.0, and 3228.0, all are USB. The Mt Diablo repeater is 142.150 for listening and input is 143.450. The Base Support Team VHF net is on Wednesday evenings at 8:00pm local time.

Steve wants anyone interested in joining his MARS team at Travis AFB or to learn more about the MARS program to contact him. There is a copy of his team's meeting schedule at the clubhouse and he can get you an application for AF MARS. Anyone wanting to visit their station will need access to the base which he can arrange. His contact information is: Steve Silen, WB6KWL at 707-695-1729; e-mail silen832@aol.com.

Club Acom 2000A Amplifier

The club recently received a donation from a fellow ham of a high-power amplifier. It will be part of our improved club station along with our donated Steppir beam and tower. Thanks to Marc Bruvry and Jan Leja for installing the power transformer. As Marc says *"Wow! What a beast! We unpacked the amp this morning and installed the transformer. A dozen outside screws and four bolts for the transformer and a few plugs and buttoned it back up"*.



Hamfest

The Sierra Foothills Amateur Radio Club is hosting our 6th Annual Hamfest in Loomis, California, on Saturday, March 21st, 2020! We are proud to call this a sanctioned ARRL Event.

This year our featured presentation isn't a presentation, but a **workshop on DStar, DMR, Fusion, and Hot Spots**. We will have a table dedicated to each mode. Elmers will be there to explain how these systems work and will have everything on hand to program your member's radios!! We anticipate this to be a very popular program and are excited to make it available to you.

Please follow this [LINK](#) to our flyer with all the pertinent information. Additional information is available on our website at W6EK.org.

Treasurer's Report

Marin Amateur Radio Club

BALANCE SHEET SUMMARY

As of February 29, 2020

	TOTAL
▼ ASSETS	
▼ Current Assets	
Bank Accounts	38,840.70
Total Current Assets	\$38,840.70
Fixed Assets	58,983.00
TOTAL ASSETS	\$97,823.70
▼ LIABILITIES AND EQUITY	
Liabilities	
Total Liabilities	
Equity	97,823.70
TOTAL LIABILITIES AND EQUITY	\$97,823.70

Marin Amateur Radio Club

PROFIT AND LOSS BY MONTH

February 2020

	FEB 2020	TOTAL
▼ Income		
Donations	1,014.38	\$1,014.38
Rent	2,450.00	\$2,450.00
Total Income	\$3,464.38	\$3,464.38
GROSS PROFIT	\$3,464.38	\$3,464.38
▼ Expenses		
Garbage	43.94	\$43.94
Other Business Expenses	114.06	\$114.06
Repair & Maintenance	15,753.35	\$15,753.35
Telephone	81.29	\$81.29
Utilities	197.00	\$197.00
Water	101.74	\$101.74
Total Expenses	\$16,291.38	\$16,291.38
NET OPERATING INCOME	\$ -12,827.00	\$ -12,827.00
NET INCOME	\$ -12,827.00	\$ -12,827.00

MINUTES BOARD OF DIRECTORS MEETING

February 13, 2020

Board members present: Curtis Ardourel WA6UDS, President; Ed Essick K6ELE, Treasurer; Milt Hyams KM6ASI, Secretary; Anthony (Skip) Fedanzo KJ6ARL; K6GWE Trustee Doug Slusher, KF6AKU and Mitch Martin WU1Q, members

Absent: Marc Bruvry KF6VNT, Vice President.

Other attendees: Ann Shores, K6SHO, member; Ashley Raveche and Cynthia Witwicki, Alto Sutton Firewise/NRG; and David Beerman, Marin County Hang Glider Association..

1. Call to Order:

The meeting was called to order at 7:33 pm by Curtis Ardourel.
The agenda, as amended and reordered, was adopted.

2. Approve minutes:

Minutes of the January 9, 2020, board meeting were approved without objection.

3. Treasurer's Report:

Ed Essick reported that he is awaiting the final bills for the upstairs deck reconstruction. Per the bid, \$16,770 is the projected cost. The cash available in the bank money market checking account is approximately \$25,000, which should cover the bill.

4. Secretary's Report (External Communications):

Milt reported that, after dealing with three insurance firms, he had submitted an application for insurance for the club to NIAC, an insurance company created to support non-profits/501(c)3s through InterWest, a firm in Chico specializing in such coverage. He has applied for \$1M/\$2M general liability coverage, coverage for the comm van, accident coverage for volunteers and director and officer liability coverage. He noted that the company requires stricter tracking of driving by volunteers which will require getting drivers' license number data from all volunteers that sign up at the March 7th Public Service Volunteer Luncheon. Since the policy must be in effect at the expiration of the existing policy on March 3, it must be approved before that date.

It was **M/S/A** that Milt be authorized to negotiate insurance coverage with NIAC consistent with the coverages reported to the Board up to an annual premium of \$5000 per year and that the proposed policy, as negotiated, be submitted to President Curtis Ardourel for approval and execution.

5. Membership Chair Report:

Curtis reported that 100 members have renewed so far for this year, putting us at 73% of paid membership at the end of last year.

6. Education Committee:

- a. Curtis reported that he has updated the website to reflect the latest schedule for dates of license classes. Jamie will be identifying instructors for each class shortly.
- b. Steve Smith has completed assembly of the components necessary for the field strength meter assembly kits which will be the next Sunday morning construction class project.
- c. Marcel Stiber will be the presenter at the March General Membership Meeting.

7. Facilities:

- a. Doug reported that all roof and deck repairs on the clubhouse have been finished with only painting of trim and around the door to be accomplished. Installation of the antenna tower base is next.
- b. Steve Smith installed the new lock strike on the front door which will permit installation of the electronic lock.
- c. Doug reported that he visited the English Hill repeater site of the Sonoma Amateur Radio Club for a possible location for one of our northern repeaters. He found it provides good coverage but would not be a substitute for Big Rock. They want \$400 per month to rent rack and antenna space. It is not one of our priorities for now.
- d. Doug and Milt both looked at potential repeater locations in downtown Novato at different times, as possible sites for temporary repeater sites to support the greater Novato area. Both arrived at the same conclusion on the best option and will go forward with establishing contacts for permission to install our repeater equipment in the facility there. Milt will raise it with Jerry Foster, WA6BXV, who does radio and repeater work in the Novato area.
- e. Doug, Milt, Steve Wilson, WA6SDY and Jerry Foster will be going to Mt. Barnabe on Friday to troubleshoot the drop-out problem and reorient the link yagi.
- f. Doug reported that the gas meter, which had become noisy had been repaired. However, in doing so, the PG&E turned off the gas in the apartment and failed to turn it back on in the hot water heater and wall heater. When they came back and relighted it, they found a faulty burner in heater which he had repaired by a plumber. He will be submitting the bill for \$125 from Kelly Plumbing to Ed for payment.

8. Old business:

a. Ashley Raveche and Cynthia Witwicki, Co-Chairs of the Alto Sutton Firewise/Neighbor Response Group, in follow-up to their January 16, 2020 letter, presented their request to use of the clubhouse as their headquarters and mobilization point. They stated they need a storage shed on our property to store equipment and materials they will need to support an incident command center. They clarified that it is not their intention, however, to site their Incident Command Center on MARS property. Their planning was preliminary and they were unable to present their specific requirements at this time. Also they are in the process of organizing and the Alto Sutton group is not a formal entity at this point with incorporation a possibility as well as 501(c)3 status in the near future. They were advised that their request for a “perpetual easement” for a storage facility would not be acceptable under any circumstances in those terms. Rather a formal license could be the form of grant of permission to place a storage facility on MARS property. Their fluidity and uncertainty of specific needs made it clear that no formal action could be taken by the Board at this time. The representatives were advised that generally the club supported in concept what they wanted to accomplish, but that they must establish a formal business entity with which an agreement may be executed, and then present their specific requirements to MARS for negotiation of terms.

b. Ham of the Year Award: It was discussed that the Ham of the Year Award has become too much like the **Hi Roberts Award** for recognition of career service to the club. Rather the Ham of the Year should be exactly as the name implies, in recognition of outstanding efforts by a member during the prior year in support of the mission and operation of the Marin Amateur Radio Society in furthering the hobby of amateur radio during the past year.

It was **M/S/A** that henceforth the Ham of the Year Award shall be presented to a member of the Marin Amateur Radio Society for his or her outstanding service rendered during the immediate prior year in supporting the mission and operation of the Society furthering the hobby of amateur radio,. Members may be nominated by individual Board members or Committee Chairs which will be submitted to the full Board of Directors for vote and selection. All members in good standing shall be eligible for this annual award.

9. New business:

a. Doug will be checking with the vendor of our club name badges for the procedure for members to order the badges on line. The hit and miss system now has resulted in duplicate orders of badges.

b. William Farrer, of Marin Cyclists, has requested that his organization be permitted to use the club house for meeting on Tuesdays from 6:30 pm to 8:30 pm starting on February 18, 2020. They have used the club similarly in prior years. MARS is an other-insured on their insurance policy already for their events that we support. Arrangements will be made in advance for someone to unlock the door.

It was **M/S/A** that the Marin Cyclists be permitted to use the MARS clubhouse for its weekly Tuesday meetings from 6:30 to 8:30 pm commencing February 18, 2020.

c. David Beerman, of the Marin County Hang Glider Association, appeared to request using the MARS clubhouse for its monthly meetings on the first Thursday of each month from 7:00 to 9:00 pm, commencing April 2, 2020. Their insurance policy is renewing on March 1, 2020.

It was **M/S/A** that the Marin County Hang Glider Association be permitted to use the MARS clubhouse for its monthly meetings on the first Thursday of each month from 6:30 to 8:30 pm commencing April 2, 2020, subject to their delivering to the club a certificate of insurance naming MARS as an other-insured by no later than April 1, 2020.

d. Ed circulated drafts of the proposed 2020 budget for review. It will be returned to the agenda next month for discussion and approval.

e. Milt reported that he obtained from the County renewal of the MARS fictitious name certificate, which was due to expire on March 4th. The file stamped copy is on file in the filing cabinet.

10. Good of the order:

Nothing raised.

11. Adjournment:

Meeting adjourned at 9:40 pm

Respectfully submitted by

Milton Hyams

Secretary, on February 16, 2020

MINUTES GENERAL MEMBERSHIP MEETING

February 7, 2020

February 7, 2020

Held at: Clubhouse, 27 Shell Ave., Mill Valley, CA

1. Call to Order:

The meeting was called to order at 7:30 pm by Curtis Ardourel.

2. Introductions:

There were a total of 37 members and guests present. Board members and officers present: Curtis Ardourel WA6UDS, President; Ed Essick, K6ELE, Treasurer; Milt Hyams KM6ASI, Secretary; and K6GWE Trustee Doug Slusher KF6AKU, member

New members were announced: Dan Sobel N6HLG – San Rafael
Jeffery Young KM6Y – Santa Rosa/Dillon’s Beach
Phillippe Jolivalt KJ6QEL- Ross
JoAnne Salzgaber KN6FXH – Fairfax (who was present at the meeting and personally introduced)

3. Adopt Agenda:

The agenda was adopted as presented.

4. Approve Minutes:

It was **MSA** that the minutes of the January 3, 2020, General Meeting be approved.

5. Board Actions:

- a. Steve Toquinto, KB6HOH, was made a Life Member of MARS.
- b. The Public Service Calendar for the year 2020 was approved.
- c. The following Board members were elected officers of the club for 2020: Curtis Ardourel, WA6UDS, President; Marc Bruvry, KF6VNT, Vice President; Milt Hyams, KM6ASI, Secretary; Ed Essick, K6ELE, Treasurer.
- d. A Repeater Technical Committee was created to deal with the relocation of two repeater sites and purchase of new liability insurance to cover those sites when the current insurance policy expires.

6. Fun with Ham Radio:

Steve Smith WA1TOV reported there is a new marine AIS system, similar to the APRS system we use, that operates with a raspberry pi computer board than can facilitate radio communications with cell phones and the internet.

Andrew Musselman KI6UOC reported assisting a friend in Santa Rosa in reinstalling his station that was destroyed in the Tubbs Fire and threatened again by fire during the most recent fire season.

Dale Komai KK6ZOE reported that he has moved his Echo Link system from Windows 7 to Linux on his computer.

Jim Salzgaber KM6WWY stated that he and Steve Smith have complete setting up the parts for the next Sunday Bible Class construction project and members are encourage to come by on Sundays. Jan Leja KB6SKX added that the repair area is also open on Sundays and waiting for customers and that Steve Smith has brought in test equipment for testing solid state equipment.

7. Secretary’s Report—External Communications:

Milt reported that only routine business correspondence has been received.

8. Treasurer's Report:

Ed reported that the latest Treasurer's Report is in the latest QSA-5. He also reported that the contractor's invoices on the roof repair have been paid and that only two parts on the clubhouse projects remain to be finished: the waterproofing of the upstairs deck and installation of the antenna tower base. These projects have put a big dent in our reserves.

9. Committee and other Reports:

Membership: Curtis reported that as of the close of business of February 6th, the club had 95 paid members, 69% of 2019 year end paid membership.

Facilities: Doug reported that the roof and gutters have been installed and the door to the tenant's deck is completed. The deck off the tenant's apartment is nearly completed and due for our inspection. The garage for the comm van has also been completed and he thanked the members that participated in that project. The antenna tower erection will be the last phase of the construction work at the clubhouse.

Repeater Technical Committee: Doug reported that the Big Rock and San Pedro Ridge repeater sites have been shut down and the link for the simulcast network was been moved to Mt Tamalpais with the help of Rob Rowlands NZ6J and Milt Hyams. The Mt Barnabe repeater site has picked up some of the slack created by the loss of Big Rock, but the communication with Novato and north county has been problematic. We will be identifying a temporary repeater site in downtown Novato for installation of a Novato repeater in the next 2 to 3 weeks. We have been in contact with the American Tower and Crown Castle tower companies for a long term solution. We will also be working to improve the direction of the link yagi on Mt Tam and the settings on the Barnabe repeater to improve net communications.

Milt also reported that we have contacted three insurance firms for replacement insurance for the club and an application has been submitted to a company that only covers 501(c)3 organizations such as ours. It is expected that the coverage will be cheaper and broader than our existing coverage.

Education: Grant Pritchard KK6JJ, club VE Coordinator, announced the license examination dates for 2020 as 2/15; 6/7; 9/15; and 12/15.

Public Service: Curtis reminded everyone that the annual Public Service Luncheon is scheduled for Saturday, March 7th at 11 AM at the clubhouse to recognize participation in public service activities in 2019 and for signup for 2020 activities.

10. Old business: None.

11. New business: None.

12. Good of the order: None.

13. Adjournment:

It was moved, seconded and approved that the meeting be adjourned at 8:14 pm.

Presentation: Steve Silen WB6KWL, director of the AF-MARS unit at Travis Air Force Base, made an excellent presentation on the current status of AF- MARS, the Air Force Military Auxillary Radio System. In 1996 they were virtually disbanded in each service with funding removed and the Navy dropped MARS completely four years ago. There has been a renewed interest at DOD in MARS, but still volunteer staffing is woefully short. MARS for the services is in the process of being consolidated as MARS-RADIO. All of their communications are encrypted and they have the capability to call anywhere in the world. Steve wants anyone interested in joining his MARS unit at Travis AFB or to learn more about the MARS program to contact him. His contact information is: Steve Silen, WB6KWL at 707-695-1729; e-mail silen832@aol.com.

Respectfully submitted by

Milton Hyams, , Secretary, on February 8, 2020.

Marin Amateur Radio Society W6SG.NET, membership@w6sg.net **General Membership Meeting** is held on the first Friday of each month at Alto District Clubhouse at 27 Shell Road in Mill Valley, starting at 7:30 PM. Come a little early for pizza or whatever. From highway 101, head west toward Mill Valley on E.

Blithedale. Turn right at the first stop light. Stay right at next stop sign, then turn left at next corner, Shell Road. We are in a two story building, second from the corner on the left directly under the power lines.

Business/Board Meeting meets at the Alto District Clubhouse in Mill Valley on the second Thursday at 7:30 PM. Members are encouraged to attend.

Sunday morning informal meeting meets every Sunday morning at the Alto District Clubhouse in Mill Valley starting around 8am and runs to about 11am. Sometimes we even talk about radio.

The Sunday Emergency nets. The K6GWE emergency VHF net check-in is at 10:15 am on 147.700 (-pl 203.5). This is a directed net and the net control station may operate at the club house or at a member location. Members on the net check-in list that do not check in for three consecutive weeks are removed from the list until they reestablish check-in. Any member can sign up to act as the net control station. See the club website for signup instructions. The W6SG emergency HF net check-in is at 9 am on 3.915 Mh.

<p>Marin Amateur Radio Society Officers and Board Members:</p> <p>President Curtis Ardourel, WA6UDS</p> <p>Vice President Marc Bruvry, KF6VNT</p> <p>Secretary Milt Hyams, KM6ASI</p> <p>Treasurer: Ed Essick, K6ELE</p> <p>Board Members Curtis Ardourel, WA6UDS, 510-290-6069 Milt Hyams, KM6ASI, 415453-3867 Skip Fedanzo, KJ6ARL, 415-924-0584 Marc Bruvry, KF6VNT 492-9292 Ed Essick, K6ELE, 415-456-1715 Mitch Martin, WU1Q Doug Slusher, KF6AKU</p> <p>Other Positions:</p> <p>Education Chair Jamie Taylor, KK6OLF</p> <p>VE Liaison Grant Pritchard</p> <p>Building Manager Doug Slusher</p> <p>Trustee for W6SG Mitch Martin, WU1Q</p> <p>Trustee for K6GWE Doug Slusher KF6AKU</p> <p>Sunday Emergency Nets Mark Bruvry</p> <p>DX Representative of ARRL Jerry Foster WA6BXV 892-3829</p>	<p>Public Service Event Coordinators Michael Fischer, K6MKLF Rob Rowlands, NZ6J</p> <p>Membership Curtis Ardourel, WA6UDS</p> <p>Editor of QSA5 Ed Essick, K6ELE e.essick@comcast.net</p> <p>ARRL San Francisco Section Manager Bill Hillendahl KH6GJV@ARRL.ORG</p> <p>WEBMASTER Curtis Ardourel, WA6UDS</p> <p>HF Sunday Net Control Mark Bruvry, KF6VNT</p> <p>VHF Sunday Net Control Steve Toquinto, KB6HOH</p>
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