

Presidents Corner

The end of summer is upon us again. That means it is time for the club Picnic. This year the picnic will be on Saturday 8 September 2018 at Piper Park, the same place as last year. The club will provide charcoal, burgers, hot dogs, buns, and water. Bring Salad or Desert to share. This is always a fun event with the chance to make eye ball QSOs with other club members without having to listen to me blather as much. So we can get a head count to make sure we have enough food, please RSVP to rsvp@w6sg.net

There is a whisper or a glimmer or a feeling that the Marin Amateur Radio Society is a UHF/VHF club and the Amateur Communications Society one of our predecessor clubs was focused on repeaters. Our biggest public footprint comes from our repeaters and public service events. The other predecessor club, the Marin Amateur Radio Club which was historically more focused on HF and other aspects of the hobby. We are one club now and it is our desire to be involved in all aspects of Amateur Radio.

I am sure most of you know Mitch Martin WU1Q. For those of you who don't he is a Marin Amateur Radio Society board member, the Trustee of W6SG, and at the risk of telegraphing my own age, a really cool guy. He is also the station manager of the radio room at the club house. It is in that capacity that he wants to upgrade our station. To do this he is interested in getting ideas from all of you on how to make the station more accessible and more useful from the chair to the key or mic all the way to the antennas. The board has formed a Club Radio Room Upgrade Committee with Mitch as the chair and we are looking to you our members to participate in the process.

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From the Editor

Ed Essick, K6ELE

As I write this hurricane Lane has passed by the Hawaiian Islands. Hurricane Lane had winds of 150 MPH and was considered a Category 4 storm. I was in Kauai a year after the 1992 Category hurricane hit there with 145mph winds and witnessed some of the devastation that it caused.

We here in California have had our own disasters with all of the wild fires over the past several years. Natural disasters are difficult to predict and often strike when we least expect them. Hams have helped in a number of these events in the past with emergency communications and support. This is a good time to consider your preparation for a potential disaster.

Do you have a radio and spare batteries ready to go? A basic handheld and one or two extra batteries that are kept charged should be the minimum we have ready to go. Better yet do you have a Go Kit that includes radio equipment, batteries, and other personal items for an emergency? I have seen a number of Go Kits and they were all different in the way the user set them up and what they included. Here is an example of two Go Kits. They may contain more or less than what you might think to include, however any Go Kit should be easy to grab in the event it's needed.



No tower climbing, heavy lifting, or knowledge of parliamentary procedure is required. What is required is an interest in making our Club Station better. If you would like to be involved in this exciting project please contact Mitch at m4bandit@icloud.com.

At the last general meeting Bill Hillendahl KH6GJV the ARRL San Francisco Section Manager and Jim Siemons W6LKL the new ARRL East Bay Section Manager stopped by as for a visit. Bill addressed the meeting and answered questions. At the meeting he also made a request. Bill is looking for an Assistant Section Manager to mentor. You can find the requirements for the position at <http://www.arrl.org/assistant-section-manager>. If you are interested in promoting Amateur Radio and getting to meet and encourage many of your Ham Radio brothers and sisters please get in touch with Bill at kh6gjkv@arrl.org or by snail mail at P.O. Box 4151 Santa Rosa CA 95402

I look forward to seeing you all at the picnic.

73 DE WA6UDS

What's Happening in Radio

All Asian DX Contest, SSB, 0000Z, Sep 1 to 2400Z, Sep 2
Russian RTTY WW Contest, 0000Z-2359Z, Sep 1
Alabama QSO Party, 1500Z, Sep 1 to 0300Z, Sep 2
Tennessee QSO Party, 1800Z, Sep 2 to 0300Z, Sep 3
All Africa International DX Contest 1200Z, Sep 15 to 1200Z, Sep 16
CQ Worldwide DX Contest, RTTY 0000Z, Sep 29 to 2400Z, Sep 30

Welcome to our new members

Eric Lyons, N6YAK, Tiburon
Adam Mc Laughlin, KD6POC, Santa Rosa
Bennet Harvey, Mill Valley

Club Antenna Analyzer Missing

Please return the club antenna analyzer

Someone borrowed our antenna analyzer several months ago and did not check it out through a board member. If you borrowed it please return it or if you know who did please ask them to return it.

ARRL News

NIST FY 2019 Budget Would Eliminate WWV and WWVH

The National Institute of Standards and Technology (NIST) FY 2019 budget request includes shutting down “NIST radio stations in Colorado and Hawaii” — in other words, WWV and WWVH. Radio amateurs, HF listeners, and others around the world routinely make use of the time and frequency standard signals, which also include propagation information. NIST said eliminating funding currently “supporting fundamental measurement dissemination” would include putting WWV and WWVH off the air for a saving of \$6.3 million. The NIST FY 2019 budget request for efforts related to Fundamental Measurement, Quantum Science and Measurement Dissemination is \$127 million, which, the agency said, is a net decrease of \$49 million from FY 2018 levels. The Administration's overall NIST budget request is more than \$629 million.

“The proposed reductions will allow NIST to consolidate and focus on narrower core [fundamental] measurement programs while meeting budget levels,” the agency said in its FY 2019 budget summary. “NIST will focus on basic research while reducing funding for efforts applying some of its breakthroughs into new measurement applications.

All hams should sign the petition to retain these two services at this web site:

<https://petitions.whitehouse.gov/petition/maintain-funding-nist-stations-wwv-wwvh>

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Amateur Radio Emergency Service Volunteers Assist in California Fire Response

Amateur Radio Emergency Service® (ARES®) volunteers pitched in to assist where needed to provide or support communication during the catastrophic fire in California. Volunteers from multiple ARRL Sections in the state stepped up to help. The fires have claimed several lives, destroyed more than 1,000 homes, and forced countless residents to evacuate, including radio amateurs. ARRL Sacramento Valley Section Emergency Coordinator (SEC) Greg Kruckewitt, KG6SJT, said that the last ARES volunteers deployed to support American Red Cross shelter stood down on August 7. Other shelter communicators deployed earlier remained on duty for 10 days. Initially, there were four shelters in Redding. On August 5, the Shasta-Tehama ARES team was able to take its communications trailer to Trinity County to support a shelter in Weaverville opened for Carr Fire evacuees, he said.

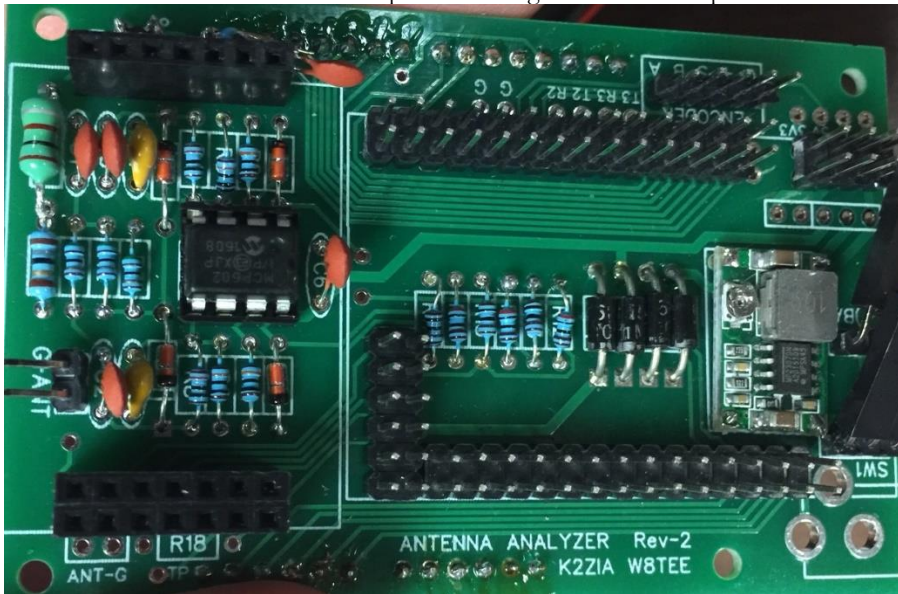
Reprinted with permission ARRL Letter 8/9/18

Antenna Analyzer Project

Sunday Morning Kit Building

Over the past several months 9 club members have been meeting on Sunday morning to work on building an antenna analyzer from a kit. Actually these kits were created by our very own club members Steve Smith and David Chaney. Steve built the antenna analyzer described in the November 2017 QST magazine article “Build Your Own Arduino-Based Antenna Analyzer”. David Chaney brought a proposal to the MARS board to fund the kit project and the board approved it. The initial group of kit builders included most of the board members and several other club members. The board felt it would support and enhance the ongoing Sunday radio repair group as well as be a pilot project for kit building. David purchased soldering stations and associated construction equipment for group use. Steve created a parts list and ordered all of the parts directly from China. Steve performed the tedious task of creating 10 kits of parts, all labeled and ready for use. Each kit included 4 boards, (3 of which were completely assembled except for some connectors), resistors, capacitors, inductors, and other printed circuit board components. Each kit builder purchased the kit from the club for \$110, which was the cost of parts purchased with club funds.

This is what each kit builder will complete soldering all of these components on the board.



This is part of the Sunday morning kit builders group working on their kits. Left to right in the photo David Chaney, Mitch Martin, Steve Smith, and Mark Bruvry.



More next month on the building of the kits.

Dirt Fondo Public Service Event



MARS net control



Peter Richen KM6PXO



Public Service Report

The Double Dipsea

1. Nature of Activity: Special exercise, Public-Service Event
 2. Activity Description: Provided emergency & routine communications for The Double Dipsea, a 13.9 mile trail footrace.
Approximately 1000 participants 300 volunteers were involved.
 3. Places or areas involved: County Civic Center, San Rafael, Marin County, California
 4. Number of amateurs participating: 13
 5. Event start date/time: June 16, 2018 06:30 hrs
 6. Event end date/time June 16, 2018 14:00 hrs
 7. Duration of event (hours): 8.5 hours
 8. Total person-hours: 55
 9. Number of repeaters used: 3
 10. Estimated person-power cost (Line 8 x \$19): \$1,045.00
 11. Estimated cost of equipment used: \$5,500.00
 12. Total estimated cost of service (10+11): \$6,545.00
 13. Nets and/or frequencies used: 147.330 - K6GWE, 147.555 S 439.875 S
 14. Number of messages handled: est. 500 15. Names of agencies receiving communications support: California State Parks, Golden Gate National Recreation Area, Marin Sheriff Department, Marin Fire Department.
 16. Call signs of major participants, NJ6Z, KM6BJD, KF6AKU, KM6AOW, K6ETA, KM6BON, KI6LBN, N6PDW, KD6SWU, AI6NF, K6RGI, KK6QPE, K6SHO
 17. Other comments: Two incidents occurred on this event.
- Amateur Radio organizations providing service: Marin Amateur Radio Society,

Marin Century

Date: August 16, 2017

1. Nature of Activity: Special exercise, Public-Service Event
2. Activity Description: Provided emergency & routine communications for the Marin Century, a bike ride event, benefiting the Marin Cyclists, involving 1750 participants and approximately 650 volunteers and staff.
3. Places or areas involved: Roads in Marin County, California
4. Number of amateurs participating: 43
5. Event start date/time: July 21, 2018 400 hrs
6. Event end date/time July 21, 2018 2230 hrs
7. Duration of event (hours): 18.5 hours
8. Total person-hours: 305.5
9. Number of repeaters used: 5
10. Estimated person-power cost (305.5 x \$19): \$5,804.50
11. Estimated cost of equipment used: \$25,500.00
12. Total estimated cost of service (10+11): \$26,304.50
13. Nets and/or frequencies used: 146.700 K6GWE, 146.910 WB6TMS, 147.315 W6SON, 147.555 S
14. Number of messages handled: est 1125+
15. Names of agencies receiving communications support: Marin County Sheriff, Marin County OES, Marin County Fire Department, California State Parks, Golden Gate National Recreation Area

16. Call signs of major participants: KF6AKU, N6PDW, AI6NF, NZ6J, KI6LNB, KK6QPE, KJ6ARL, KM6ASI, KD6SWU, K6GPD, KM6Y, K0OLK, K7IC, K6ETA, AG6QR, AA6XZ, KI6MPE, K6RGI, KM6AOW, KI6SZF, K6SHO, KA6BQF, KG6WPN, KG6IAC, K6HID, K6MLF, KI6YNX, N6JGC, KC6YFC, W6CJO, WB6OEA, KC6UMZ, KK6DPW, KJ6NKKW, KI6MZX

17. Other comments: Two incidents occurred on this event.

Amateur Radio organizations providing service: Marin Amateur Radio

MCBC Dirt Fondo,

Date: August 09, 2018

1. Nature of Activity: Special exercise, Public-Service Event

2. Activity Description: Provided emergency & routine communications for The MCBC Dirt Fondo, a mountain bike ride benefiting the Marin County Bicycle Collation.

Approximately 1000 participants 300 volunteers were involved

3. Places or areas involved: Trails in southern Marin County, California

4. Number of amateurs participating: 18

5. Event start date/time: August 18, 2018 06:00 hrs

6. Event end date/time August 18, 2018 16:30 hrs

7. Duration of event (hours): 11.5 hours

8. Total person-hours: 105

9. Number of repeaters used: 2

10. Estimated person-power cost (Line 8 x \$19): \$1,995.00

11. Estimated cost of equipment used: \$5,500.00

12. Total estimated cost of service (10+11): \$7,495.00

13. Nets and/or frequencies used: 147.330 + K6GWE, 443.250 + K6GWE, 147.555 S

14. Number of messages handled: est. 1550

15. Names of agencies receiving communications support: Marin County Bicycle Collation, Golden Gate Recreation Area.

16. Call signs of major participants: NZ6J, K0OLK, K6MLF, KM6PXO, K6SHO, KG6IAC, K7SYH, KM6EZX, KM6ASI, N6PWD, AI6NF, KD6SWU, KG6ATH, KF6AKU, KI6MPE, KI6MZX, KM6AOW, KJ6NKKW.

17. Other comments: Two incidents occurred on this event.

Amateur Radio organizations providing service: Marin Amateur Radio

Society,

Location: Marin County, CA

Submitted by:

Robert Randy Jenkins KA6BQF

912 Jones Street, Berkeley, CA 94710

ka6bqf@arrrl.net

ARRL appointment:

Your E-Mail address: ka6bqf@arrrl.net:

Randy Jenkins, KA6BQF

ka6bqf@arrrl.net

VE Liaison & Public Service Co-Coordinator

Marin Amateur Radio Society

North Bay 2-meter Critical Mass

On August 19th the North Bay 2-meter Critical Mass group had its first session at the Marin Civic Center. The San Francisco 2-meter Critical Mass that was started 9 years ago by Peter McElmury AA6SF was the model the new group. Michael Fischer organized and Doug Slusher led the event along with several other experienced hams. This group will meet every third Sunday of the month. The purpose of these events is to provide newly-licensed hams the opportunity to get together for hands-on practice and how to program their particular radios.



Doug Slusher, KF6AKU and Don Magdanz, KI6MZK



Robin Dohrmann, KM6QWI



James Renney, KI6RGP

Peter McElmury, Robin Dohrmann, Michael Fischer

Treasurer Reports

Marin Amateur Radio Club

BALANCE SHEET DETAIL

As of August 31, 2018

DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	SPLIT	DEBIT	CREDIT	AMOUNT	BALANCE
ASSETS									
B of A Building account									
Beginning Balance									781.66
Total for B of A Building account									
B of A General account									
Beginning Balance									83,486.91
08/01/2018	Check		PGE	Utilities		\$193.00		-193.00	83,293.91
08/01/2018	Check		Mill Valley Ref	Garbage		\$42.73		-42.73	83,251.18
08/01/2018	Check		Mill Valley Ref	Garbage		\$42.73		-42.73	83,208.45
08/01/2018	Check		PGE	Utilities		\$193.00		-193.00	83,015.45
08/06/2018	Check		DSL EXTREME	DSL		\$52.83		-52.83	82,962.62
08/06/2018	Check		PGE	Utilities		\$193.00		-193.00	82,769.62
08/06/2018	Deposit			kit payments	Donations	\$330.00		330.00	83,099.62
08/06/2018	Check	1828	Rob Rowlands	Car & Truck		\$45.67		-45.67	83,053.95
08/06/2018	Check		DSL EXTREME	DSL		\$52.83		-52.83	83,001.12
08/07/2018	Check		PGE	Utilities		\$193.00		-193.00	82,808.12
08/12/2018	Check	1829	Randy Jenkins	Food		\$76.91		-76.91	82,731.21
08/15/2018	Check		MMWD	Utilities		\$19.17		-19.17	82,712.04
08/17/2018	Check		ATT	Telephone		\$109.43		-109.43	82,602.61
08/17/2018	Check		ATT	Telephone		\$91.74		-91.74	82,510.87
08/17/2018	Check		Mill Valley Ref	Garbage		\$42.73		-42.73	82,468.14
08/17/2018	Check		ATT	Telephone		\$91.74		-91.74	82,376.40
08/22/2018	Deposit			-Split-		\$2,469.00		2,469.00	84,845.40
08/22/2018	Check	1830	Steve Smith	Uncategorized Expense		\$160.69		-160.69	84,684.71
Total for B of A General account									\$1,197.80
club house- 27 Shell Rd. MV									
Beginning Balance									58,983.00
Total for club house- 27 Shell Rd. MV									
TOTAL ASSETS								\$1,197.80	\$144,449.37
LIABILITIES AND EQUITY									
Liabilities									
Accounts Payable (AP)									
Beginning Balance									626.98
Total for Accounts Payable (AP)									
Total Liabilities									\$626.98
Equity									
Opening Balance Net Assets									
Beginning Balance									124,400.00
Total for Opening Balance Net Assets									
Retained Earnings								\$ -1,162.26	\$ -1,162.26
Net Income								\$20,584.65	\$20,584.65
Total Equity								\$19,422.39	\$143,822.39
Total Liabilities and Equity								\$19,422.39	\$144,449.37

Building Account

Balance 781.66 – no changes from July

REPEATER RESERVE \$2,090.00

CLUB STATION RESERVE \$3,090.00

PUBLIC SERVICE \$2,004.00

** Note these are set aside amounts and they are reflected in the balance sheet totals.

USS Pampanito Report

Our station aboard the USS Pampanito, NJ6VT, was fired up around 0945 hours on Saturday, July 14, 2018. HF band conditions were poor in general with high noise levels and QSB. Nonetheless, I managed a few QSO's with the aircraft carrier USS Midway, NI6IW, using SSB and K6KPH on CW. One other QSO was made with a station in the Midwest. Short skip was practically nonexistent. These QSO's were made on the 40 meter band. Not much in the way of activity this time around.

Visitor traffic was very light in the morning hours, but picked up considerably in the afternoon.

In the afternoon, I was joined in the radio shack by friend, Brandt Woodward, K6BEW, from Jackson, CA. Brandt enjoyed his stay on the boat and may return to operate our station in the near future. Also, a fellow ham from Australia came by and chatted a while about his extensive collection of WW-II radio equipment, most of it US made ARC Command gear. After seeing our TBL-7 transmitter, I think he is on the look-out for one!

Our next scheduled DDO is set for Saturday, August 1, 2018. I hope a few of you can come to the boat and help out. We really need two RO's, not only to operate NJ6VT, but to devote more time to talking with the visitors aboard the boat. Please let me know if you would like to participate as a radio operator aboard the Pampanito. We need your help!

73,

Den Regan, K6ZJU
CO Pampanito A.R.C. NJ6VT
USS Pampanito, SS-383
Pier 45, Shed "A"
San Francisco



Recollections of a former member, Dan Drath, N6AU, San Juan Island, WA

Surfing the internet the other day, I visited the Club's web site and its history page. It brought back some memories.

The Marin Amateur Radio Club was very helpful to me as a youth learning about ham radio.

I found several hams in the 1934 picture that befriended me back in the early 1950s when I was a member of MARC. Gene Abbot (E B Abbot & Co, radio supply company) sold me the booklet "How to Become a Radio Amateur" (it cost 25 cents then). From it I build the single tube (6V6) transmitter on a wooden frame with coils wound on lollypop sticks.

Gene was a "jobber", a supplier of radio parts for radio repair shops. He also had an extensive inventory of ham parts such as E F Johnson variable capacitors, B & W inductors, transmitting mica capacitors.

In that time, there was a WWII radio surplus store on Market Street near 10th Ave in San Francisco. Transmitting tubes such as 807s and 1625s were available for 25¢, and beautiful Chicago transformers were sold for 25¢ a pound. I spent a lot of my Independent-Journal paper boy earnings there.

A Club member lent me an Instuctograph code machine. Using it, I obtained my Novice license in 1952 (WN6QNB).

After the common "sweaty palms at the Customs House" visit to the FCC in San Francisco and obtaining my General license, I regularly worked W6TIJ, W6DXA, and W6BCM shown in the picture as numbers 13, 20 and 43.

Hal Wedell W6LUM and Jim Lisk K6BU were club members in the 50s and helped me with many projects.

I was president of the Club for a year before I left for college in 1955.

In the early 1950s, the club met in a Marin Junior College classroom. Mr Cherry, a professor at Marin JC, was our host. I remember coming to meetings and seeing electrical engineering diagrams on the blackboard left from the day's class. The analysis of a class C amplifier, I can remember in some detail.

Sometime in the mid-50s the Club meetings moved to Larkspur in a building that was part of the old railroad terminal across Magnolia Blvd from the Lark Theater. At our new home donuts were available at meeting time. All thought that was an improvement.

For Field Day I recall we operated from Tama rancho, the Boy Scout camp in Fairfax one year. Another year we set up in hills at the west end of Kent Woodlands. That site had a Vee beam that worked very well. The 40m CW tent operated the whole night long.

The Vee beam made a big impression on me. Here in Friday Harbor 50 years later, I put up one of my own using the mast plans from a 1952 ARRL handbook.

The Club weekly net in the 50s was on 160 meters at 1.995 MHz (Megacycles per second then, and many hams said "motorcycles").

Efforts were made from time to time to run the Golden Gate Net on 10m.

Drake High School opened in 1955, half a dozen students formed a radio club, and we were licensed as K6EME. The high school club produced several hams including Charles Finilla K6AKV and Tom Philips, K6BDS.

General Meeting Minutes

August 3, 2018

7:30 PM President Curtis Ardourel begins with introductions. Bill Hillendahl and Jim Siemens are introduced as guests representing the ARRL.

7:34 PM Curtis gives the floor to Bill Hillendahl prior to the commencement of the club meeting. Bill presents several new adventures within the ARRL. First, the Official Observer program is going away. It will be scaled back and recast under the direction of Riley Hollingsworth. The number of 700 plus Observers will be reduced to around 250 volunteers monitors who will be selected for superior radio and engineering skills. These new "Monitors" will receive advanced and state-of-the-art training in radio manipulation and detection. Their terms may last up to 3 years. MARS Board Member Mitch Martin discusses radio interference on 2-Meters coming from unlicensed operators on fishing boats in the Pacific Ocean. U.S. Coast Guard cooperation with the FCC and radio enforcement has lapsed. Bill notes that the FCC used to have its own vessel for enforcement. Second, Bill says that he continues to push for national standards and increased training for ARES operators. Current training efforts are provincial, difficult to find, and are not integrated. This concern will be discussed at the January 2019 ARRL meeting. Third, Bill is looking for a webmaster to donate time to re-design the San Francisco section of the ARRL website. He adds a forth announcement-Bill is looking to train a new Section Manager for the ARRL. The job requires much time and commitment to be the, "face of the league." John Boyd poses a question to Bill about the success of telephone land lines versus radio in the recent natural fire disasters. Bill says that private telecommunications companies and public service agencies have hardened their communications equipment and sites significantly since 9-11 and have added a lot of micro-sites. Sonoma County public services for instance, have 4x redundancy in their phone and radio equipment. Amateur radio public service has been helpful nevertheless, with health and welfare communications. Bill fields a number of assorted follow-up questions.

8:01 PM The club members adopt the agenda. Kris and Andrew volunteer to help with the Marin Double-Century race the next morning. There is a motion, second, and a vote.

8:03 PM The June minutes are approved with a motion, second, and a vote.

8:04 PM Curtis has no MARS Board actions to report.

8:04 PM Fun with Ham Radio. Jerry has bought and restored a TBY 8 tube radio which was the very radio used by Navajo Code Talkers in World War II. He was able to find suitable tubes to buy on Ebay for his restoration work. Jan discusses his trip to Poland and his meetings with Polish Hams. Polish hams were severely punished under former Communist rule in the 1970s. ALL equipment from all hams was confiscated and destroyed. Jan was struck by the conspicuous lack of any old equipment at the club he visited and learned the bad news about the destruction. 220 meters is very popular there. A ham put a 2-Meter antenna on the top of a 360 feet high brick chimney-Polish hams are resourceful.

8:13 PM New Members: Adam Mc Laughlin KD6POC, and Arnold Rabin WB2ABM.

8:18 PM Secretary's report. A discussion about the Antenna Analyzer kit

project being run by Member Steve Smith and the donation of a Kenwood 830-s transceiver and a Baofeng HT to the club for use by a young ham. Marin County requests the use of the Alto clubhouse as a November 2018 polling station.

8:18 PM Treasurer's report. None.

8:18 PM Membership. MARS club membership is at 99% of 2017.

8:18 PM Public Service. None. The public service members are preparing for the Marin Double Century race tomorrow morning.

8:19 PM Facilities. Trustee Mitch Martin presents a proposal for new antennas at the Alto clubhouse. He requests design and construction input from club members. Curtis agrees to create a committee to research the antenna possibilities and to create a construction proposal to the MARS board. The Alto club house is hindered somewhat by nearby hills and the overhead high-voltage transmission lines. There is much discussion about antenna types and members experiences erecting and using antennas. Jan describes his experiences with amateur radio radio antennas in urban areas in Chile.

8:29 PM Education. No report.

8:30 PM VE. Volunteer Examiner leader Randy Jenkins says that the next VE test session at the Alto club house is on August 11, 2018 at 9 AM.

8:30 PM Club Picnic. Curtis announces the picnic and more information will be forthcoming in QSA-5.

8:31 PM Old Business. None.

8:31 PM New Business. Mitch makes a plea for whoever 'borrowed' the MARS club antenna analyzer to please bring it back. There are discussions about equipment security at the club house. Curtis says that the Board is addressing the problem. Curtis adds, "please bring it back, no questions asked."

8:35 PM Good of the Order. John Boyd asks about the progress for installation of the digital repeater. The Yaesu DR-1 unit is now eligible for a Yaesu swap-out for about \$300.00. Bill Hillendahl will send a text to Mitch with the Yaesu upgrade information.

8:37 PM There is a motion, second, and vote to adjourn the meeting.

8:37 PM A video presentation from Andrew Musselman about analog versus digital audio and video decoding follows.

Board Meeting Minutes

July 12, 2018

7:31 PM President Curtis Ardourel calls the meeting to order. Board

Members present read and discuss Curtis' printed agenda.

7:36 PM There is a motion, second, and vote to adopt the agenda.

7:38 PM There is a motion to accept the minutes from the May 10, and June 14, 2018 minutes.

7:40 PM Secretary's Minute. MARS received a \$100.00 check from the

Marin County elections authority for the June Primary-use of the Alto clubhouse as a voting precinct. Marin wants to use the

clubhouse again for Mid-term elections on November 6, 2018

which is OK and has been approved in the past. There is a discussion of the ongoing Antenna Analyzer project with Steve Smith.

There is a discussion of Member Michael Ransom's plan to use

The ICOM 706 radio transceiver in the Alto clubhouse radio

room for remote ham radio. He could wire the unit to a

computer that would allow those members such as Alan Best,

who no longer have a home station, to get on the air from a

computer wherever they may be. Mike is able to do this at

no cost to the club. There is much discussion about remote

ham radio sponsored by the club for Alan and all other members.

Some of the discussion is about the utilization of club resources

for club members and the decision-making process but the

MARS members and board. Doug Slusher notes that internet

bandwidth is a problem-this should be fixed with the planned

internet service upgrade with ATT. The Board members speak

to a consensus that it is a good project and would like Mike

Ransom to present a written proposal so that the club could

support it (including financial support). Vice-President and

Education leader Kris Backenstose is concerned that the Board's

protocols and the club by-laws could be perceived by some to be

an impediment to a great project such as Mike's plan for

remote ham radio. He encourages the Board to support

the project. The ICOM radio itself had been slated for use

in public service events in the club communications van but

that should not impede Mike's project. The discussion

returned to the problem of club infrastructure, i.e. the slow

internet problem. The Secretary's Minute ended 48 minutes

later due to these discussions.

8:28 PM Treasurer's Report. Ed Essick reports on the difficulty of finding banks who will offer a CD account to a 501(C)3 club

like MARS?! After much searching he found banks in

Pennsylvania, Illinois, and Daly City, CA. He prefers to

investigate putting club money into accounts in Daly City.

Kris recommends placing some of the club money into

higher risk financial accounts such as Bitcoin. Ed disagrees

strongly, saying that the club's accounts need to be

in much more conservative and safer accounts.

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While the gains from an account of cryptocurrency like Bitcoin offer fantastic gains, the club's funds from dues, rent, and donations must be carefully protected. Ed says that the discussion of riskier investments is a good discussion at a later date. Doug Slusher discusses a bill from Redxa over the combined Field Day 2018 with Ed. Ed asks about whether or not to continue to post the full financial report of the club in the QSA-5 newsletter for members? Curtis responds that there are no legal or confidentiality restrictions on posting the full report with the exception of the names of donors. Curtis underscores the benefit of financial transparency for the club and would like the full financial reports to continue in QSA-5.

8:52 PM Facilities and Building. Doug anticipates a roof repair report in August 2018. The extreme demand for roofers in Marin County has forced Doug to make repeated inquiries for repair to the Alto clubhouse. Kris has been working to clear older items from the clubhouse for disposal or sale. He has created a spreadsheet list of the items. Doug will assemble a group for disposal. He discusses the rental of a dumpster. Doug has been in contact with the estate of Silent Key Phil Dunlap. There is still a trailer for the club generator at his house.

8:58 PM There are no public service or VE reports.

8:59 PM Old Business. Field Day June 2018 recap.

9:08 PM Old Business. Curtis has no new discussion on plaques.

9:08 PM Old Business. Kris Backenstose has revisions on the documents that speakers and other contributors would sign for club presentations (on Friday nights or other meetings. There is much discussion and general agreement that the MARS club needs to consult with a lawyer about how to preserve and present the content of the MARS meeting speakers. So many of the previous club speakers have made fantastic contributions speaking and presenting about ham radio related subjects, the club is concerned about the release of content onto the club website or otherwise. Curtis will ask retired attorney Milt Hyams for a recommendation. Milt is a club member.

9:13 PM Old Business. Discussion of a rent increase for the tenant at the Alto clubhouse. The tenant lives on the floor above. There is discussion about the language in a new rental agreement with the tenant upstairs at 27 Shell Drive Mill Valley -the Alto clubhouse. Ed Essick the club treasurer is concerned about rental lease language for who is on the lease and who is paying the rent. The question is about who is the primary, secondary, tertiary, or other payer of the rent. Doug says that he will consult with Ann Shoales who is a club member and expert in real estate business. Ed would like the improved lease agreement to include due dates for rent and past due dates. Curtis discusses lease language about pets with Board Member Tom Soskin. Ed insists that pets in the lease language should insure deposits for damage to the residence.

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9:32 PM New Business. Public Service and a written code of conduct for those who work on MARS events. There are some people (not all club members) who have volunteered for the races but have treated the racers and race staff badly. This reflects badly on MARS which has a magnificent volunteer reputation. The MARS volunteers who run public service will have the full authority to discharge volunteers who act badly. The current leaders of MARS public service include Michael Randy, Rob, and Larry. They will have the full authority to excuse badly behaving volunteers at a public service events per the code of conduct agreement. Kris discusses his experience in business about companies and code of conduct expectations. Curtis says that the chain of command for volunteer misbehavior is simple and clear. The leaders of MARS public service have the full authority to dismiss volunteers who violate the code of conduct on site. Curtis will talk to public service leader Michael Fischer about liability releases for volunteer workers.

9:52 PM New Business. Discussions about G Suite and by-laws are tabled.

9:52 PM There is a motion, second, and vote to adjourn the meeting.

No board meeting for August due to lack of quorum.

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.

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