

Presidents Corner

The word Amateur comes to us from Latin amator meaning lover. We love our hobby and our responses are inspired by passion. Some of us believe that we only use the frequencies our license allows us to communicate as amateurs. When we get involved with the larger community through Public Service or Emcom how we communicate entails other frequencies and technologies. These include Zello, DMR, mesh networks, IP microwave links, and others.

Zello is an example of a smart phone app that allows a phone to function like a hand held transceiver. Our own Public Service group uses it as does RACES. MARS Member Brian Cooley K6EZX has written a useful article for CNet about rugged cell phones with push to talk buttons. You can view the article at <https://www.cnet.com/news/best-rugged-phones-that-you-wont-be-ashamed-to-be-seen-with/> and I will post the link in the newsfeed on the W6SG.NET website.

Our club was formed by the merger of the Marin Amateur Radio Club and the Amateur Communications Society. That is to say Communications was part of our name. Of course, we are in some way communicating every time we push the PTT button. That word encompasses a much larger sense including human communications. How do you communicate with the club as a whole? As a club we support our hobby and we support each other. When you see or hear something involving the club or our members that bothers you how do you address that?

Part of our job as the board of directors is to address issues both with our hobby and with our members. Of course we listen on the air but we also need to listen and hear from you. If you don't let us know about some issue, you are assuming that we will figure it out and when we don't, you end up being frustrated. We can only try to solve problems we are aware of.

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From the Editor

Ed Essick, K6ELE

Field Day

Field day this year was not what most of us expected when planning started for it in January. We had planned on returning to our favorite location, Marin Rod and Gun Club. Instead field day became for the most part an individual affair. This year band conditions were not as favorable as in the past and at least from my home station I had minimal results.

Some of our club did take to the field and operate from Pt Reyes. Steve Fischer, K6ETA used solar power to operate at the intersection of Inverness Ridge fire road and Limantour Rd on the Point Reyes peninsula. Steve has operated with solar power before at one of our club picnics and has added to his solar array since then for more power. Along with Steve were Bob AI6EE, Rob NZ6J, Jerry WA6BXV, Bill KH6GJV (our ARRL section manager), Michael K6MLF, and several guests.

This month we have the profile of two of our long-time members who have contributed a great deal to the success of our club. Marilyn Bagshaw is a familiar face to many of us who attend Field Day each year as she provides the Saturday lunch and records the event as our photographer. Rich is always at FD helping install our antennas and setup our generators.

Grant Pritchard SK

Grant, KK6JJ, passed away suddenly last week. He was a long-time member of our club and very active in the VE testing program as well as RACES.

I met Grant when walking with my grandson in Novato one day after noticing his call sign on his car. He lived on the same street as my daughter and tutored my grandson in reading when he was at San Ramon school. Many members of our club had known him much longer and better than I did. If you have a story or remembrance of Grant that you would like to share, please email me to include it in a future QSA5.

If there is something bothering you about the club, please let me know. You can reach me at wa6uds@w6sg.net That way we can look into the issue, ask you for clarification if we don't quite get it, and if possible address it. Your complaint will be disclosed only to the board and your complaint will be confidential. In business or government, it may be necessary to make an anonymous complaint because of the fear or retaliation. We are a club and we don't really have the weight of an employer or a government.

73 de wa6uds

New Members

Peter Bland KG6MZV - Novato

ARRL News

Rescued Radio Amateur Says, "Ham Radio Saved My Life"

Alden Sumner Jones IV, KC1JWR, of Bennington, Vermont, is thankful for amateur radio, after he suffered a medical incident and lost consciousness on June 15 while hiking with others along a remote section of the Long Trail, not far from his home. An EMT from Appalachian Mountain Rescue (AMR), who was hiking nearby, saw Jones pass out, but was unable to connect with 911 via his cell phone. Jones, 41, regained consciousness and was successful in contacting Ron Wonderlick, AG1W, via the Northern Berkshire Amateur Radio Club's K1FFK repeater on Mount Greylock. Wonderlick initiated what turned into an 8-hour effort to get Jones off the trail and to a medical facility, acting as a relay among Jones, emergency crews, and other agencies involved. As the *Bennington Post* [reported](#), "The Vermont State Police also received assistance from several licensed amateur radio operators who helped facilitate communications, greatly assisting in the rescue."

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What's Happening in Radio

DL-DX RTTY Contest, 1100Z, Jul 4 to 1059Z, Jul 5
VHF-UHF FT8 Activity Contest 1700Z-2000Z, Jul 8
IARU HF World Championship 1200Z, Jul 11 to 1200Z, Jul 12
North American QSO Party, RTTY 1800Z, Jul 18 to 0559Z, Jul 19

See complete contest lineup at <https://www.contestcalendar.com/>

Balloon Launched by Popular Web Show Host Completes Third Round Trip

A balloon launched on May 20 by "Amateur Radio Roundtable" web show host Tom Medlin, W5KUB, and his team has begun its third circumnavigation of Earth. The balloon, at 43,000 - 45,000 feet, completed its second trip around the globe on June 19. It

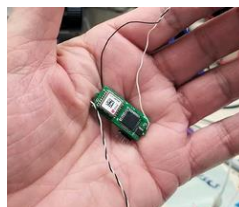


crossed the Atlantic Ocean "in record time" at a speed of about 170 MPH, the balloon website reported this week.

Identified as W5KUB-18, the balloon carries APRS and WSPR amateur radio payloads. By the morning of June 25, it was above China, moving at more than 100 MPH.

According to the balloon website, the mission and goal are to launch a high-altitude balloon for long-duration and multiple trips around the world. The balloon, an SBS-13, is capable of flying up to 45,000 feet. "It will be filled with hydrogen to obtain higher altitude," the website explains. "It will be solar powered only (no batteries, so it will only transmit during daylight). We will receive tracking every 10 minutes via WSPR on HF [14.0971 MHz]." Tracking transmissions will be turned off over the UK, Yemen, and North Korea due to regulations. The tracking transmitter runs just 10 mW, but it's being heard as far away as 9,000 miles, Medlin told ARRL.

"The entire tracker with GPS and processor is only 2 grams," Medlin said. "That's about the weight of a penny. The entire payload is only 15 grams total." The current effort is the group's ninth attempt to circumnavigate the globe.



The YO3ICT tracker transmitter onboard the balloon:
"I had to build it under a microscope," Medlin said.
[Tom Medlin, W5KUB, photo]

Medlin says the balloon project has broadened his horizons. "You have to do a lot of specific engineering and measurements down to the 0.1 gram to fly one," he told ARRL. "You also become a weatherman, watching all the NOAA websites, winds at different altitudes, storms, etc. Storms will bring you down," Medlin said. With the float altitude set at 44,000 feet, he expects to be able to fly above most storms. "You also become very well-versed in geography as it flies," he added.

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Member Profiles

RICH CARBINE, W6UDS
MARILYN BAGSHAW, N6VAW

We met over 30 years ago as members of MARC (before it was MARS) when meetings were held in building 549 at Hamilton.

Rich - I was licensed in the mid 1960's & joined MARC in 1963 when Hugh Cassidy, WA6AUD, "Cass" was President. I became interested in amateur radio when I listened to my Dad's old Hallicrafters. After discharge from the U.S. Coast Guard I went to the FCC on Battery Street in San Francisco, sent & received CW at 13 WPM, passing the written test, getting my General Class that day upgrading to Extra later. Previously I was President of MARC/MARS for 2 ½ terms, taking over from Mike Edwards, W6FCQ, when he moved out of the area mid-term. Again, when we merged with ACS to become MARS. I have been on the BOD previously. I am Trustee for W6TAM.

Marilyn - I became interested in the early 1980's when my son Trevor, N6JRO, completed a 4-year ROP commercial radio program at Redwood High School. He also went to Battery St. in San Francisco, where he took the exams for an Amateur Radio License. With his influence, I was licensed in 1987, KB6UYT, taking CW and technical classes at MARC, passing my exams at the Two Rock Coast Guard Base. I used my license primarily as crew on ocean races, sailing down the coast of California. Finding fascination with communications at sea, including downloading weather fax, I upgraded to Extra Class in 1989. I have previously been on the BOD of MARC.

Our major interest is DXing. We have been on 8 mini DXpeditions: Bora Bora, Moorea, Papeete, 3 South Cook Islands & Fiji operating CW & SSB. We operated with Norm Baetz, WA6CLK, when we travelled to Ireland with his wife Dianna & him.

We operate SB & CW. When the bands are open, we operate on all HF Bands.

Our QTH Station: ICOM 7610, ICOM 275-H, Alpha 87-A & Elecraft KPA500 Amps, SteppIR Yagi on a 55' rotating tower, inverted V, & a Diamond 5/8 Wave, 3 Element High Performance FRP Shell Gain Vertical Antenna. Mobile in our Ford Camper: ICOM 706 into a Screwdriver Antenna.

We are members of RACES, the NCDXC & REDXA. We are VE's. We are charter members, "Plank Owners," of the Pampanito ARC aboard the WWII submarine berthed at Pier 45. We are on the Field Day Committee.

With Hi Roberts, KO6LS, we both spoke on behalf of MARS acquiring the Alto Clubhouse for our meeting place.

Rich - I remodeled the upstairs, with the addition of a bathroom, which made a rentable apartment. It had been living quarters for firemen. I installed a dropped ceiling, new fluorescent lighting & wiring where needed in the meeting room.

Marilyn - I wrote 2 proposals for grants, which were approved, installing the kitchen, upgrading the bathrooms making them ADA compliant & adding a radio station room.



Field Day 2020

Field day report from Steve Fischer, K6ETA

Hi Everyone,

I just wanted to follow up with a note to say THANKS for operating with us on Inverness Ridge!

At the end of the day (counting some contacts later from home), the K6ETA 2B SF station contacted 37 states including Alaska and Hawaii, 6 DX stations around the Pacific and operated on SSB (Phone) CW and JS8Call. We had four different antennas including a 40M dipole at about 50 feet, a 20M Dipole at about 45 feet, an end-fed random wire at about 40 feet and a Hamstick dipole on a tripod at about 15 feet. It was foggy and breezy all day.

Bob AI6EE showed us his pneumatic tennis ball launcher and the EZHang slingshot was used for the 50 foot 40M dipole.

In the morning most of our contacts were North-South from British Columbia to Los Angeles, but as the day progressed the whole country and much of the Pacific started to boom in. Later in the evening New Zealand, Raratonga, Australia and Tasmania were added to the list.

Fun was had by all and everyone practiced good hygiene and social distancing, including wiping off mics and using our masks when others were close by.

The good news was everyone's gear worked and we had ample power to operate all day.

A warm thanks and let's do it again next year!

Steve K6ETA





Treasurer's Report

Marin Amateur Radio Club

BALANCE SHEET SUMMARY

As of June 30, 2020

	TOTAL
▼ ASSETS	
▼ Current Assets	
Bank Accounts	41,478.39
Total Current Assets	\$41,478.39
Fixed Assets	58,983.00
TOTAL ASSETS	\$100,461.39
▼ LIABILITIES AND EQUITY	
Liabilities	
Total Liabilities	
Equity	100,461.39
TOTAL LIABILITIES AND EQUITY	\$100,461.39

Marin Amateur Radio Club

PROFIT AND LOSS

January - June, 2020

	TOTAL
Income	
Donations	1,865.38
Dues	8,130.00
Rent	12,250.00
Total Income	\$22,245.38
GROSS PROFIT	\$22,245.38
Expenses	
Car & Truck	93.50
Contractors	270.83
Equipment < \$2,500	500.00
Food	1,277.00
Garbage	263.64
Insurance	3,233.25
Legal & Professional Services	525.00
Other Business Expenses	223.64
Reimbursable Expenses	3,516.07
Rent & Lease	-2,450.00
Repair & Maintenance	23,584.57
Taxes & Licenses	3,795.05
Telephone	487.64
Utilities	394.00
Water	417.78
Total Expenses	\$36,131.97
NET OPERATING INCOME	\$ -13,886.59
NET INCOME	\$ -13,886.59

MINUTES

GENERAL MEMBERSHIP MEETING

June 5, 2020

Held on: Zoom online.

1. Call to Order:

The meeting was called to order at 7:37 pm by President Curtis Ardourel.

2. Introductions:

There were a total of 38 members and guests participating. Board members and officers present: Curtis Ardourel WA6UDS, President; Marc Bruvry KF6VNT, Vice President; Milt Hyams KM6ASI, Secretary; Ed Essick K6ELE, Treasurer; Mitch Martin, WU1Q; and K6GWE Trustee Doug Slusher, KF6AKU, member.

3. Adopt Agenda:

The agenda was adopted as drafted.

4. Approve Minutes:

Minutes of the General Meetings of May 1, 2020, as published in QSA-5, were approved.

5. Board Actions:

Curtis reported that the Board increased insurance coverage to include Board and Officer coverage. It also directed Milt to negotiate with NMWD for use of its Crest Tank Site at Bahia Ridge for installation of the MARS north Marin repeater in their vault there.

6. Fun with Ham Radio:

John Kristian, W6JMK, helped a friend install a radio for a motorcycle that works off of his cell phone.

Larry Loomer, KJ6LNB, conducted a VE ham license test session two weeks ago. The test was conducted as a drive in session with cars in a BART parking lot. Seven of the 8 individuals tested passed. Another test session will be conducted tomorrow with 16 examinees signed up.

Brian Cooley, K6EZK, is putting together a video evaluating a new series of push to talk cell phones which will work with most carriers on Zello. He will provide a link to the video when it is completed.

Eric Zeller, AI6SX, reported that he is in the process of mounting his ham station equipment in a rack.

7. Secretary's Report—External Communications:

No correspondence of any significance has been received since the last meeting.

8. Treasurer's Report:

The Treasurer's Report was as published in the latest QSA-5.

9. Committee and other Reports:

Membership : As of the close of business of June 5th, we now have 125 paid up members, 91% of the year-end membership for 2019.

Facilities: Doug reported that he has not been to the Clubhouse since the last meeting due to the Corona Virus shutdown. He is attempting to schedule installation of the HF antenna tower with the contractor.

Doug reported that Milt obtained clearance from the North Marin Water District to start installation of a MARS repeater in their vault at their Crest Tank Site on Bahia Ridge in Novato. Accordingly during three days over the last two weekends, a crew from the club was able to get the site up, with the cable being pulled and the antennas installed last Sunday. Dan Healy assisted in resolving amplifier power issues on Thursday and the repeater is now running with 40 watts output to the antenna on the simulcast system with the old Big Rock :PL 203.5.

10. Old business: None.

11. New business: None.

12. Good of the order:

There will be no General Membership meeting in July as is the custom. The next General Meeting will be on August 7, 2020, probably on Zoom.

13. Adjournment:

It was M/S/A that the meeting be adjourned at 8:00 pm.

Presentation: Alan Bowker, WA6DNR, made an excellent presentation on the fundamentals of Digital Mobile Radio (DMR). He explained that DMR supports both peer to peer and repeater modes of communication. It has over 89,000-users. It operates on the Brandmeister configuration of services utilizing talkgroups of which there are many around the world. Each user has a 6 digit ID number that identifies them whenever they are on the air. One gets into a talk group via a digital repeater accessing a hotspot by UHF repeater and WI-FI providing access to the internet. There is a product called Open Spot which can provide the WI-FI link. He discussed various hardware options and recommendations for DMR..

Respectfully submitted by

Milton Hyams, , Secretary, on June 6, 2020.

BOARD OF DIRECTORS MEETING MINUTES

June 11, 2020

Held at: On Zoom on line.

Board members present: Curtis Ardourel WA6UDS, President; Marc Bruvry KF6VNT, Vice President; Ed Essick K6ELE, Treasurer; Milt Hyams KM6ASI, Secretary; Anthony (Skip) Fedanzo KJ6ARL; K6GWE Trustee Doug Slusher, KF6AKU, member.

Absent: W6SG Trustee Mitch Martin WU1Q, member.

Other attendees: Michael Fischer, K6MLF, and Rob Rowlands, NZ6J, Co-Chairs Public Service Committee. Four other members observed the meeting on-line

9. Call to Order:

The meeting was called to order at 7:32 pm by Curtis Ardourel.
The agenda was adopted as submitted without objection.

2. Approve minutes:

Minutes of the May 14, 2020, board meeting were approved without objection.

3. Treasurer's Report:

Ed reported that the details on the Treasurer's Report are as published in the latest QSA-5. He also reported that the balance in the General Account is \$12,611 and there is an additional \$1287 in the Building Account. He inquired about the disposition of three \$100 awards made in December. Curtis responded that he is printing the certificates that are to accompany the awards and will get them off right away.

4. Secretary's Report (External Communications):

Milt reported that he had some correspondence for the Treasurer. Ed Essick agreed to stop by Milt's house next week to pick up his mail.

5. Membership Chair Report:

Curtis reported that as of the morning of June 11th, 126 members are current for this year, 92% of total paid membership at the end of last year.

6. Facilities:

Doug reported that he had not heard back from Fred Connor, our General Contractor, regarding when he can start on the HF antenna tower footing.

He also reported that the new Bahia repeater was working well. The expense report attached to the agenda includes a couple of loose ends, including lightning arrestors and connectors for the antenna cables. These will be considered under a separate agenda line item later. Overall the footprint of the signal from the repeater is quite good, although it is not the same as Big Rock was. We are also going to try to improve coverage in Mill Valley. The goal is to complete the antenna cabling clean up and lightning arrestor installation at Bahia by the end of the month. It has been reported that the road providing access to Mt. Tam is now open permitting access to the Tam repeater site for the needed trouble shooting and clean up.

7. Field Day:

It was discussed whether MARS would again partner with REDXA in participation in Field Day 2020 using the approved ARRL model where member's individual scores would be counted toward the sponsoring club total for the contest.

It was **M/S/A** that MARS will join with REDXA in participation in Field Day 2020 as usual using the ARRL COVID model of counting individual scores toward participating club totals. Ed Essick will be the MARS liaison with REDXA for conduct of Field Day 2020.

8. Public Service:

a. Michael Fischer reported that the Marin County Bicycle Coalition (MCBC) has received clearance from the Marin County Health Department to conduct two events this year, the first being on August 15th and the second, being the Adventure Revival, two weeks later. They have entered into an agreement with County Health on a very strict COVID protection procedure with which we will be expected to comply. Michael will circulate a draft of the procedure as it applies to MARS volunteer radio operators for comment. The final version will be submitted to the Board at its July 9th meeting for approval. All participants will be expected to comply with the final procedure or withdraw from participation in the events.

b. Rob Rowlands reported that in lieu of the Marin Century, originally scheduled for August 1st, a practice drill will be held with actual deployment in the field. MCBC will commit to fielding actual riders that we can practice managing under COVID conditions with all operators following the new published COVID Guidelines. They would like some riders from us as well. RACES has been invited to participate both with operators and riders. This drill will also test coverage of the new repeater over many of the usual public service courses and sites.

c. Michael and Rob have drafted a proposed budget for Public Service operations for 2021 at Milt's request due to the diversity of needs and requests the Committee incurs over the course of a year. They will go over it with Milt and submit it to the Board for approval in the Fall.

9. Education:

a. Curtis commented that the Education Committee has been moribund in the past month. He intends to contact Jamie, the Committee Chair, to get the latest status and get the Education Committee moving again.

b. Curtis indicated he will talk to VE Liaison, Grant Pritchard, about conducting a VE Licensing Examination in the Mt. Diablo Amateur Radio Club model, using a parking lot for drive in testing. It was also pointed out that the Sonoma Club was looking for a place to conduct a COVID safe-spacing VE examination, and they might have found one by now. There was another suggestion to consider the San Benito Radio Club model of the on-line testing procedure which has been approved by ARRL and the FCC.

10. MARS Annual Picnic:

While it is the usual time to start planning for the Club's annual picnic, usually held in September, the COVID pandemic has made serious planning virtually impossible. Doug will check to see if there will be any place available to hold the picnic. Once that issue is resolved, it was agreed to bring the issue back before the Board for decision as to whether or not the picnic will be held this year and, if so, to commence planning.

11. Old business:

a. MARS Situation Awareness: VOAD has been soliciting radio communication support from MARS in time of emergency. The problem to be resolved is the availability of radio channels that are not already committed to RACES in time of emergency and RACES activation. Curtis will call a meeting over Zoom with Skip, who is MARS' VOAD liaison, and such other Board members who wish to participate to determine emergency communications option which might include a simplex network or reestablishment of UHF net. Curtis will send out a Zoom invitation for participation in such a meeting before the next Board meeting.

b. Face to face meetings for MARS will continue to be suspended until further notice. In lieu, MARS will continue to be conducted on Zoom for the duration of the current shelter-in-place order. Attendance at the last virtual general membership meeting on Zoom continues to be excellent, so there is no incentive to go back to in-person meetings in the immediate future. Since the Clubhouse is large enough to support conducting an in-person Board meeting with appropriate social distancing, resuming in-person Board meetings is most likely the first such meetings to be resumed. The issue of reopening the Clubhouse on Sundays was discussed. It was agreed that if we do so, a Board member would be in charge of opening the Clubhouse and insuring that all attending have and use masks and hand sanitizer. Doug will supply both to keep on hand at the Clubhouse in case those seeking to participate do not have their own.

12. New business:

a. Doug submitted a list of expenditures he has made in the course of installation of the new Bahia Repeater, totaling \$3,399.96. It was pointed out that there will be a few more expenditures and reimbursements to come, including hardware for lightning arresters and a ground buss among other things.

It was **M/S/A** that \$4,000 be appropriated for reimbursement of expenditures and for future expenses associated with the installation of the Bahia Repeater.

b. Curtis pointed out that it was past time for consideration of a rent increase for the upstairs apartment at the Clubhouse. There was considerable discussion about the appropriateness of a rent increase at this time. It was also mentioned that there have been a number of expenses for improvement of the building over the past year and that utilities have increased and future improvements are contemplated. It was pointed out that the maximum rent increase possible under county ordinances is 5% without going to mediation. Curtis agreed to contact the tenant, Sharon Miller, to determine whether a rent increase would pose an undue burden at this time and to try to negotiate an appropriate increase, if possible. The issue of the rent increase will be tabled for further review and decision at the July Board meeting.

c. Steve Toquinto, KB6HOH, brought the matter of an anonymous letter he received critical of his conduct of the Sunday MARS VHF Net to the Board's attention. The letter was critical of the general informality of the conduct of the Net and suggested replacing Steve and instituting a formal net check in of no more than 20 minutes in duration. Neither Steve nor anyone else knew the identity of the author of the letter or whether or not the author was a member. There was considerable concern about the Board's consideration of an anonymous letter that was not even addressed to the Board but was sent directly to the Net Control Operator directly. The letter was considered by the Board to be an inappropriate insult to Steve which it considered to be unfair. The Board expressed a willingness to consider the issue of the conduct of its nets if it is brought before it by the member having concerns about how they are conducted, but will not consider the merits of any complaint brought in the manner of the present one. It also agreed that Steve conducts the Club's nets informally, exactly how the Board expects they be conducted, and that the decision on how its nets are to be conducted is up to the Board and not the specific operator. Steve was thanked for his long and excellent service as MARS' lead Net Control Operator.

13. Good of the order:

Next General Membership Meeting will August 7, 2020.

Next Board of Directors Meeting will be July 9, 2020.

14. Adjournment:

Meeting adjourned at 8:51 pm

Respectfully submitted by

Milton Hyams

Secretary, on June 12, 2020

Marin Amateur Radio Society W6SG.NET, membership@w6sg.net General Membership Meeting is held on the first Friday of each month 0 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 Mitch Martin, WU1Q</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 VE Liaison Open</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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