

# Marin Amateur Radio Society Monthly Newsletter

Founded 1933

September 2018

## Presidents Corner

The midterm election is a little over a month away and you can hardly avoid political news, action, and advertising so I am pretty sure that you really don't want to hear about it here either. That said I am going to share some information with you anyway, but I will not suggest you vote or act in any particular way.

"At the tone zero hours thirty minutes coordinated universal time..." Those words or something similar have been the heartbeat of shortwave radio since I first became aware there was radio beyond broadcast AM and FM.



I believe this picture of me was taken about 1965 or 1966. A few years after this picture was taken my parents took me to visit WWV in Fort Collins Colorado. It was quite an experience for a young geek. My parents were not as excited as I was.

When I am testing a receiver WWV is the first place I turn since I know it will always be there and since even though I have a very poor memory for numbers I can remember the frequencies it broadcasts on. I also have a couple of "Atomic" clocks which aren't atomic at all but do sync up to WWVB which is controlled by cesium clocks. The proposed 2019 budget for NIST or National Bureau of Standards as was removes funding WWV, WWVH, and WWVB. The savings would be about 6.3 million dollars. Whether you feel that in an era of easily accessible GPS or internet time WWV is a costly relic of history or an integral part of the radio spectrum I urge you to learn more and make your opinion heard. Check out the ARRLs take on the subject at <http://www.arrrl.org/news/concern-rising-within-amateur-radio-community-over-wwv-wwvh-shut-down-proposal>

I got an email this week from Michael Fischer K6MLF with the subject line "Looks like we are all going to Jail". Michael is not given to hyperbole.

## From the Editor

Ed Essick, K6ELE

### California QSO Party

This weekend is the California QSO Party (CQP) sponsored by the Northern California Contest Club (NCCC). The NCCC has over 500 members from all over Northern California and parts of Nevada who like to participate in radio contesting. NCCC member stations range from what are often called "super stations" with 100ft plus towers to those who use simple wire antennas. Although NCCC sponsors the contest, hams from all over the US participate. For this contest, any California station is sought out for a contact. This means if you participate, you are the DX!

I have operated in this contest for the past five years as the contest gives me a chance to improve my operating skill, test my radio equipment, and have fun. Some enter the contest by going to a county in California that might be underrepresented by other operators.

Here in Marin this year three of us have signed up to operate and all of the other California counties will be represented. Last year 915 hams participated and made over 250,000 contacts. You do not have to sign up to make some contacts, just get on the air as stations from all over the US will be looking to make California contacts.

California QSO Party	
	<b>53rd Running Of The CQP!</b> <b>1600 UTC October 6, 2018 to 2200 UTC October 7, 2018</b> <small>CQP 2018 Begins: 5 :00:20:56 Days Hrs Mins Secs</small>



### K6M Modoc County DXpedition 2017 CQP

Reminder the club is still looking for the return of our antenna analyzer

The FCC has raised the issue of radio transmitters that are not certified. Specifically they are talking about transceivers that can transmit on frequencies where the owner is not authorized. Initially there was some panic about this as many of us own Pofungs, Baofengs, Wouxuns, &c. ARRL put up a page basically saying all these radios were potentially illegal even to own. Laura Smith FCC Special Counsel has walked some of this back but it seems that more strict enforcement in this area is coming. With a lower enforcement budget at FCC I would not advocate sending your questionable radios off to E-waste but you may want to check to see if they are FCC certified and avoid using radios that are not. We will keep you posted as we get more information.

The Marin Amateur Radio Society will be holding our election for board members this year and are our election committee is working on a finding candidates for the board. If you are interested in running please email me at [wa6uds@w6sg.net](mailto:wa6uds@w6sg.net). No speeches, debates, rope lines, or political ads are needed. You won't have to say "I am Joe Ham and I approve this QSO". No experience of serving on a board is needed. You will have to attend monthly board meetings and help make the Marin Amateur Radio Society a better club.

73 DE WA6UDS

### What's Happening in Radio

California QSO Party, 1600Z, Oct 6 to 2200Z, Oct 7  
Nevada QSO Party, 0300Z, Oct 13 to 2100Z, Oct 14  
Arizona QSO Party, 1600Z, Oct 13 to 0600Z, Oct 14 and 1400Z to 2400Z, Oct 14  
ARRL School Club Roundup, 1300Z, Oct 15 to 2359Z, Oct 19  
New York QSO Party, 1400Z, Oct 20 to 0200Z, Oct 21  
CQ Worldwide DX Contest, SSB 0000Z, Oct 27 to 2400Z, Oct 28

### Welcome to our new members

Dirck Brinckerhoff KM6VKQ San Rafael  
Alexander Price KM6VRM San Anselmo  
Rich Slusher KI6UIM Greenbrae  
Jeffery Allyn KM6VKR - San Rafael

### Car owners in New Zealand not able to open cars

Car owners had said they were unable to lock or unlock their cars and some were even unable to start the vehicles with their car remotes in a small town in New Zealand.

A search of the radio frequency license register showed that an amateur radio operator was licensed to operate a repeater on 434.050MHz. Amateurs in New Zealand have primary use of the frequency range 433.050 to 434.920MHz and all other uses are secondary. The amateur agreed to shut down the repeater until a resolution could be found.

*Courtesy of Rob Rowlands*

## ARRL News

### Launch of Es'hail-2 with First Phase 4 Amateur Transponders Expected Later this Year

Es'hailSat, the Qatar Satellite Company, has tweeted that it's anticipating that SpaceX will launch its geostationary *Es'hail-2* satellite sometime in the fourth quarter of 2018. The commercial Qatari satellite will provide the first Amateur Radio geostationary communication and will be capable of linking amateurs from Brazil to Thailand.

Es'hail-2 will carry two AMSAT-DL-designed Phase 4 Amateur Radio transponders operating in the 2.4 GHz and 10.450 GHz bands. A 250 kHz bandwidth linear transponder is intended for conventional analog operation, while an 8 MHz bandwidth transponder will serve experimental digital modulation schemes and DVB amateur television. The satellite will be positioned at 26° east. Es'hailSat said the new satellite "will allow also the AMSAT community to validate and demonstrate their DVB standard."

The narrowband analog linear transponder downlink will cover 10489.550 - 10489.800 MHz with 100 W output. The uplink will be 2400.050 - 2400.300 MHz. The wideband digital transponder will downlink on 10491.000 - 10499.000 MHz with 100 W output. The uplink passband will be 2401.500 - 2409.500 MHz.

Both transponders will be equipped with antennas capable of providing full coverage over about one-third of Earth's surface.

*Reprinted with permission ARRL letter 9/6/18*

### Radio Amateurs Receive Images from Chinese Lunar Satellite

Some earthbound radio amateurs and sky watchers have received images from a tiny Chinese satellite now orbiting the moon. In May, China launched the DSLWP-A and DSLWP-B microsatellites -- also known as *Longjiang-1* and *Longjiang-2* -- into a lunar transfer orbit, although *Longjiang-1* was apparently lost in the process and likely remains in deep Earth orbit. They were deployed as secondary payloads with the *Queqiao* relay satellite as part of the Chang'e 4 mission to the far side of the moon.

An open tele command protocol allows radio amateurs to take and download images. The spacecraft transmits on 70 centimeters (435.400/436.400 MHz), with 250/500 bps GMSK using 10 kHz wide FM single-channel data, with concatenated codes or JT4G. JT4 uses four-tone FSK, with a keying rate of 4.375 baud; the JT4G sub-mode uses 315 Hz tone spacing and 1,260 Hz total bandwidth.

*Reprinted with permission ARRL letter 9/6/18*

## Public Service

### Zero Breast Cancer Hike



Walk participants

Net Control



Windy gap check station



## JENSIE GRAN FONDO September 29, 2018



Net control van



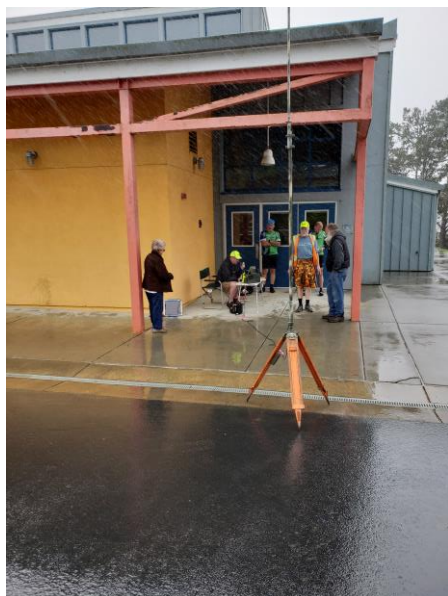
Net control



Meadow club rest stop



Repairs on the road



Pt. Reyes in the rain



CHP support

## North Bay 2-meter Critical Mass



The September radio practice



## Treasurer Reports

### BALANCE SHEET DETAIL As of October 1, 2018

DATE	TRANSACTION TYPE	NUM	NAME	MEMO/DESCRIPTION	SPLIT	DEBIT	CREDIT	AMOUNT	BALANCE
▼ ASSETS									
▼ B of A Building account									
				Beginning Balance					817.92
Total for B of A Building account									
▼ B of A General account									
				Beginning Balance					86,062.47
09/30/2018	Check		PGE	Utilities		\$123.00		-123.00	85,939.47
Total for B of A General account									
								\$ -123.00	
▼ club house- 27 Shell Rd. MV									
				Beginning Balance					58,983.00
Total for club house- 27 Shell Rd. MV									
TOTAL ASSETS								\$ -123.00	\$145,740.39
▼ LIABILITIES AND EQUITY									
▼ Liabilities									
▼ Accounts Payable (A/P)									
				Beginning Balance					626.98
Total for Accounts Payable (A/P)									
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								\$21,875.67	\$21,875.67
Total Equity								\$20,713.41	\$145,113.41
Total Liabilities and Equity								\$20,713.41	\$145,740.39

### Marin Amateur Radio Club B of A Building account, Period Ending 09/30/2018

#### RECONCILIATION REPORT

Reconciled on: 10/01/2018

Reconciled by: Ed Essick

Any changes made to transactions after this date aren't included in this report.

Summary	USD
Statement beginning balance.....	816.48
Checks and payments cleared (1).....	-14.39
Deposits and other credits cleared (2).....	36.26
Statement ending balance.....	838.35
Uncleared transactions as of 09/30/2018.....	-20.43
Register balance as of 09/30/2018.....	817.92

#### Details

Checks and payments cleared (1)

DATE	TYPE	REF NO.	PAYEE	AMOUNT (USD)
05/17/2018	Deposit		Amazon smile	-14.39
Total				-14.39

**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.**

Marlin Amateur Radio Club  
B of A General account, Period Ending 09/30/2018  
RECONCILIATION REPORT  
Reconciled on: 10/01/2018  
Reconciled by: Ed Esick

Any changes made to transactions after this date aren't included in this report.

Summary	USD
Statement beginning balance.....	85,338.03
Checks and payments cleared (10).....	-1,733.56
Deposits and other credits cleared (1).....	2,335.00
Statement ending balance.....	85,939.47
Register balance as of 09/30/2018.....	85,939.47

Details				
Checks and payments cleared (10)				
DATE	TYPE	REF NO.	PAYEE	AMOUNT (USD)
09/22/2018	Check	1830	Steve Smith	-160.69
09/04/2018	Check		DSL EXTREME	-62.83
09/18/2018	Check	1831	What food	-177.17
09/13/2018	Check		Mail Valley Ref	-42.73
09/17/2018	Check	1833	Curtis Ardourel	-135.00
09/24/2018	Check		ATT	-109.30
09/24/2018	Check		ATT	-81.42
09/24/2018	Check		ATT	-81.42
09/24/2018	Check	1834	Simply/LeeDelicious	-750.00
09/30/2018	Check		PGE	-123.00
Total				-1,733.56

Deposits and other credits cleared (1)				
DATE	TYPE	REF NO.	PAYEE	AMOUNT (USD)
09/18/2018	Deposit		Sharon Miller	2,335.00
Total				2,335.00

## General Meeting Minutes September 7, 2018

No minutes submitted.

## Board Meeting Minutes September, 2018

No minutes submitted

**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.

#### **Marin Amateur Radio Society Officers and Board Members:**

##### **President**

Curtis Ardourel WA6UDS 510-595-3494

##### **Vice President**

Kris Backenstose, KK6AYC

##### **Secretary**

David Chaney, AA6AE

##### **Treasurer:**

Ed Essick, K6ELE 456-1715

##### **Board Members**

Curtis Ardourel, W6UDS, 510-290-6069

Cal Anber N6TIA 209-275-5252

Kris Backenstose, KK6AYC

Marc Bruvry KF6VNT 492-9292

David Chaney, AA6AE

Ed Essick, K6ELE

Mitch Martin, WU1Q, 415-456-

0200, [m4bandit@icloud.com](mailto:m4bandit@icloud.com)

Tom Soskin, W6MTS

##### **Education Chair**

Randy Jenkins

Kris Backenstose Instruction Team Leader.

##### **VE Liaison**

Randy Jenkins

##### **Building Manager**

Doug Slusher

##### **Trustee for W6SG**

Mitch Martin WU1Q

##### **Trustee for K6GWE**

Doug Slusher KF6AKU

##### **Sunday Emergency Nets**

Mark Bruvry

##### **DX Representative of ARRL**

Jerry Foster WA6BXV 892-3829

#### **Public Service Co-Coordiators**

Randy Jenkins KA6BQF 510-526-4089

Rob Rowlands, NZ6J

Michael Fischer, K6MLF

#### **Membership**

Curtis Ardourel, WA6UDS

#### **Editor of QSA-5**

Ed Essick K6ELE 456-1715

[e.essick@comcast.net](mailto:e.essick@comcast.net)

#### **ARRL San Francisco Section Manager**

Bill Hillendahl KH6GJV@ARRL.ORG

#### **WEBMASTER**

Curtis Ardourel WA6UDS 510-595-3494

#### **HF Sunday Net Control**

Mike Ransom, AI6II

#### **VHF Sunday Net Control**

Steve Toquinto, KB6HOH