

The Heterodyne

Newsletter of the West Valley Amateur Radio Association

February Meeting

HF Digital Modes
By Bill Fehring, W9KKN

Wednesday, February 14
Meeting Starts at 7pm

Meeting Location:
American Red Cross,
Silicon Valley Chapter
2731 N. First Street at Plumeria Dr
(southwest corner) in San Jose

WVARA Repeaters (W6PIY)		
Band	Frequency	PL
6 Meters	52.580- MHz	151.4 Hz
2 Meters	147.39+ MHz	151.4 Hz
1.25 Meters	223.96- MHz	156.7 Hz
0.70 Meter	441.35+ MHz	88.5 Hz
0.23 Meter	1286.2- MHz	100 Hz

Club Net

WVARA's club net is on the W6PIY repeaters each Tuesday at 8:30 pm. All repeaters are linked together during the net. The net script can be found at www.wvara.org/net.html .

Visitors Are Welcome!

President's Letter

Ham radio is a very consuming hobby. Full stop. We all know this. Which of you owns only one radio? Which of you can eat just one Girl Scout cookie and put the rest of the box away? Not many, I'd guess. Certainly not me.

As Valentine's Day comes upon us this Wednesday, I sincerely hope that each of you has the support of your version of a valentine. Through many thousands of QSOs, the late nights programming an Arduino, the hundreds of hours of Morse code practice podcasts, the weekends away talking around the world, and the many, many dollars spent on niftier and niftier radios - someone supported you. Someone lit that fire in you initially. Be sure to take a moment to thank them and make sure they understand that their support is appreciated. It can easily be an odd hobby to support and not everyone will understand why you like it so much.

Then be sure to return that support in kind. Your valentines, family, and friends all have things they are interested in. Let's each dedicate some time to support what they like to do. Do they need help rebuilding an engine? Picking up 30 more skeins of yarn? Taking pictures of The Golden Gate Bridge? Support those interests just as you hope they will continue to support yours.



In some cases, you may even find that your love of radio is contagious. Don't push it too hard, or you may find it will backfire. However, in some situations, people are coming to you to learn something. In that case, let 'er rip! Field Day, CQP, your local Boy Scout looking to get the radio merit badge, the Maker Faire, and any number of other forums are all great opportunities. Find out how to get involved, put on a happy face, and go share your love of ham radio. Help people understand the technologies used, how they weren't all invented in 1894, the emergency preparedness aspects, and how it forms tightly coupled but loosely connected groups around the globe.

It's Valentine's Day. Give love. Share love. Get on the air.

73, Bobby K0XI

New Members
The following new members
joined WVARA recently:
John Miller, K6MM
Rafael Moreno, KG6DQL
Taymia Akber, KM6OKR
Welcome!!!

Meeting Topic ***HF Digital Modes by Bill Fehring, W9KKN***

It's time for our February WVARA meeting. Please join us this Wednesday (February 14th) at 7pm in Meeting Room 5 at the Silicon Valley Chapter of the American Red Cross, 2731 N. First Street at Plumeria Drive (southwest corner) in San Jose. Most of us come in through the side entrance on the southwest side of the building — look for our red WVARA sign on the side where they park all the Red Cross trucks. Cookies will be served, and of course, visitors are welcome!

If you haven't been to the Red Cross, "talk-in" is usually available on the Association's repeaters, normally 2m/220 are good choices.

A few of us usually meet for dinner a block down the street around 6 pm prior to the meeting, and anyone is welcome to join <https://www.yelp.com/biz/dish-n-dash-san-jose>.

For this Valentine's day meeting, I'm going to tell you why I love HF digital modes and cover some of the basics in getting started with RTTY, FT8, JT65 as well as some advanced topics. If you've traditionally stuck with CW or Voice modes, there are many DX and contest contacts you're missing out on! FT8 is even starting to show up in DXpeditions and there are some interesting changes around that planned for a future version of WSJT-X that you'll hear about here first. We won't be able to cover everything, but I hope to recruit you in our digital efforts at a future WVARA Field Day. Also, the RTTY edition of the North America QSO Party contest is Saturday, February 24th. Get on and make a few contacts!

Hope to see you there!
Bill Fehring, W9KKN

WVARA Net Check-Ins (W6PIY)						
Tuesdays at 8:30 PM						
Call Sign	Name	1/9/18	1/16/18	1/23/18	1/30/18	2/6/18
Total		18	15	14	13	15
AE6JV	Bill	X				
AF6AE	Bill	X	X	X	X	X
AG6YO	Kevin	X	X	X	X	X
AI6NT	Henry			X	X	
K0FRG	Bob					X
K6SCC	Brian	X				
KE6MT	Rex	X	X	X	X	X
KF6EMB	Svend	X	X	X		X
KI6SLX	Peri	X				
KJ6WH	Brian	X	X	X		X
KJ6ZZI	Michael	X	X	X	X	X
KK6VF	Kevin	X	NET	NET	NET	NET
KM6ABF	Scott		X			
KM6DAC	Cameron	NET				
KM6FDD	Lloyd				X	
KM6PEA	Steve	X		X	X	X
KM6PMS	Rich			X		
N6FYR	Matt	X	X	X	X	X
N9CU	Andy	X	X			X
NU6P	John		X		X	X
W6ESL	Tom	X	X	X		X
W6IA	Mark	X	X	X	X	
W6PK	Phil	X	X			
W9KKN	Bill				X	X
WB6KHP	Dave	X	X	X	X	X

Treasurer's Report
Submitted by WVARA Treasurer, Peri Frantz KI6SLX

As promised in last month's Heterodyne, here are the revised Final Activity Report for 2017 and a performance comparison to budget along with the proposed 2018 budget. 2018 is off to a good start, although we are operating without a budget. The BOD met on Jan 17, and the proposed 2018 budget column in the Budget Report is their proposal for the year. We will be voting whether to accept this budget at the February Meeting.

January 2018 financials will be included with the February Reports next month. Income consisted of dues, mug sales & donations. Expenses were limited to mugs and a few outstanding Xmas party items.

Peri Frantz, KI6SLX
WVARA Treasurer
treasurer@wvara.org

Statement of Activity

Printed 01/12/18

January through December 2017

Q4

	Q1 2017	Q2 2017	Q3 2017	Oct & Nov 2017	Dec 2017 Revised	Q4 2017	2017 TOTAL
Income							
4100 — Program Income							
4150 — Flea Market Receipts	0.00	0.00	3,764.08			0.00	3,764.08
4110 — Membership Dues							
4111 — Indiv. Assn. (\$15)	375.00	135.00	15.00	195.00	75.00	270.00	795.00
4112 — Indiv. Repeater (12)	192.00	108.00	12.00	96.00	48.00	144.00	456.00
4113 — Fam. Assn. (\$20)	100.00	20.00	20.00	40.00	40.00	80.00	220.00
4114 — Fam. Repeater (\$18)	72.00	18.00	18.00	36.00	36.00	72.00	180.00
Total 4110 — Membership Dues	739.00	281.00	65.00	367.00	199.00	566.00	1,651.00
Total 4100 — Program Income	739.00	281.00	3,829.08	367.00	199.00	566.00	5,415.08
4200 — Misc. Income							
4210 — Mug Sales	0.00	0.00	0.00	0.00	72.00	72.00	72.00
4220 — Bank Income Earned	0.11	0.12	0.12	0.08	0.04	0.12	0.47
4290 — Other misc. Income	10.00	30.00	0.00	0.00	0.00	0.00	40.00
Total 4200 — Misc. Income	10.11	30.12	0.12	0.08	72.04	72.12	112.47
4800 — Donations	133.00	154.00	15.00	35.00	52.00	87.00	389.00
Total Income	882.11	465.12	3,844.20	402.08	323.04	725.12	5,916.55
Expense							
5300 — Flea Market Expenses	2,400.00	0.00	239.08	0.00	0.00	0.00	2,639.08
5200 — Membership Expenses							
5240 — Summer Picnic	0.00	0.00	0.00	85.00	0.00	85.00	85.00
5230 — Holiday Party	0.00	0.00	0.00	0.00	474.28	474.28	474.28
5210 — Badges	40.00	96.00	0.00	0.00	0.00	0.00	136.00
5220 — Meeting Expenses							
Total 5200 — Membership Expenses	40.00	96.00	0.00	85.00	474.28	559.28	695.28
5100 — Administrative Expenses							
5110 — Finance Fees Paid	21.16	3.56	2.92	9.02	7.17	16.19	43.83
5120 — Insurance	0.00	0.00	0.00	355.00	0.00	355.00	355.00
5140 — Web Hosting Expense	59.40	0.00	0.00	0.00	0.00	0.00	59.40
5150 — PO Box Rental	0.00	0.00	76.00	0.00	0.00	0.00	76.00
5160 — Officer Awards	0.00	0.00	0.00	0.00	32.73	32.73	32.73
5190 — Misc. Expense	0.00	10.00	0.00	20.00	0.00	20.00	30.00
Total 5100 — Administrative Expenses	80.56	13.56	78.92	384.02	39.90	423.92	596.96
5500 — Program Expenses							
5520 — Field Day Expenses							0.00
5530 — CQP Expenses							0.00
Other Contests @ 25/per							
5590 — Misc. Program Expenses							0.00
Total 5500 — Program Expenses							
6000 — Repeater Expenses							
6100 — Repeater Maintenance	81.07	0.00	0.00	0.00	0.00	0.00	81.07
6200 — NARCC dues	0.00	0.00	0.00	0.00	20.00	20.00	20.00
Total 6000 — Repeater Expenses	81.07	0.00	0.00	0.00	20.00	20.00	101.07
Total Expense	2,601.63	109.56	318.00	469.02	534.18	1,003.20	4,032.39
Net Income	-1,719.52	355.56	3,526.20	-66.94	-211.14	-278.08	1,884.16
Results from Specific Activities							
	Actual						
Flea Market							
Income	3,764.08						
Expenses	2,639.08						
Net Gain	1,125.00						
Repeater							
Dues - Individual	456.00						
Dues - Family	180.00						
Total Repeater Dues Income	636.00						
Repeater Expenses	101.07						
Net Repeater Gain	534.93						
Mugs will be accounted for in a special 2017-2018 Report							

WVARA - 2017 Budget Performance with 2018 budget proposal						
WVARA Budget 2018						
printed 01/12/18						
January through December 2017						
		2017 TOTAL	2017 Budget	Comparison to Budget*	Proposed 2018 Budget	notes
Income						
4100 — Program Income						
	4150 — Flea Market Receipts	3,764.08	3,500.00	264.08	3,500.00	
4110 — Membership Dues						
	4111 — Individ. Assn. (\$15)	795.00				
	4112 — Individ. Repeater (12)	456.00				
	4113 — Fam. Assn. (\$20)	220.00				
	4114 — Fam. Repeater (\$18)	180.00				
	Total 4110 — Membership Dues	1,651.00	850.00	801.00	1,400.00	
	Total 4100 — Program Income	5,415.08	4,350.00	1,065.08	4900	
4200 — Misc. Income						
	4210 — Mug Sales	72.00				
	4220 — Bank Income Earned	0.47				Interst on savings account
	4290 — Other misc. Income	40.00				Badge sales
	Total 4200 — Misc. Income	112.47				
	4800 — Donations	389.00	500.00	-111.00	400.00	
	Total Income	5,916.55	4,850.00	1,066.55	5,300.00	
Expense						
	5300 — Flea Market Expenses	2,639.08	2,400.00	-239.08	2,650.00	Additional \$250 for Concession stand expenses, not budgeted previously
5200 — Membership Expenses						
	5240 — Summer Picnic	85.00	90.00	5.00	90.00	
	5230 — Holiday Party	474.28	500.00	25.72	500.00	
	5210 — Badges	136.00	100.00	-36.00	125.00	
	5220 — Meeting Expenses		25.00	25.00	25.00	
	Total 5200 — Membership Expenses	695.28	715.00		740.00	
5100 — Administrative Expenses						
	5110 — Finance Fees Paid	43.83	50.00	6.17	50.00	Mostly PayPal Fees
	5120 — Insurance	355.00	322.00	-33.00	360.00	
	5140 — Web Hosting Expense	59.40	100.00	40.60	100.00	
	5150 — PO Box Rental	76.00	70.00	-6.00	70.00	
	5160 — Officer Awards	32.73	30.00	-2.73	40.00	
	5190 — Misc. Expense	30.00	25.00	-5.00	35.00	
	Total 5100 — Administrative Expenses	596.96	597.00	0.04	655.00	
5500 — Program Expenses						
	5520 — Field Day Expenses	0.00	500.00	500.00	500.00	Port-a-potty not reimbursed in 2017
	5530 — CQP Expenses	0.00	25.00	25.00	25.00	
	Other Contests @ 25/per				100.00	
	5590 — Misc. Program Expenses	0.00	200.00	200.00	200.00	
	Total 5500 — Program Expenses		725.00		825.00	
6000 — Repeater Expenses						
	6100 — Repeater Maintenance	81.07	350.00	268.93	350.00	
	6200 — NARCC dues	20.00	20.00	0.00	20.00	
	Total 6000 — Repeater Expenses	101.07	370.00	268.93	370.00	
	Total Expense	4,032.39	4,807.00	774.61	5,240.00	
	Net Income	1,884.16	43.00	1,036.66	60.00	
* Comparison to budget: Positive number - We did better than budgeted, negative, we did worse.						
Budgeted Results from Specific Activities						
Flea Market						
	Income	3,500.00	3,500.00			
	Expenses	2,400.00	2,650.00			
	Net Gain	1,100.00	850.00			

2018 West Valley Amateur Radio Association Board

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Vice President: Bill Fehring, W9KKN

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Kevin Smith, KK6VF, 2017-2018

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John Glass, NU6P, 2018-2019

Dave Schultheis, WB6KHP, 2018-2019

The Heterodyne is published monthly by the West Valley Amateur Radio Association and sent to all club members via the web. Please obtain permission from the author to re-publish any article in this publication.

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