



Simi Settlers' Amateur Radio Club

Short Circuit

February 2021

Programs

Static & Sparks

Inside this Issue

President Brian - KM6MIN

As we go to press, we still have no monthly message from Brian.

Is Brian missing ?
Has he been abducted by aliens?
Hit by a meteor?
Lost in an avalanche?

Stay tuned, the truth will be discovered...

As we go to press, no speakers are lined up for February. Heard any good stories? How about a video tour of your shack?

Orv has created an email group at <https://groups.io> Post your favorite files, pictures, or ? for distribution to the club. You can sign up to receive (or not) emails each time a post is made. Will be a great way to send out this newsletter to everybody.

Thanks to past presenters:

January - Orv Beach W6BI keeping us up to date on repeaters and the Mesh Network.

Meetings

The February general meeting is Thursday the 11th via Zoom.

The February board meeting will be on Thursday the 25th via Zoom.

If you did not get an invite for any meeting, send an email to our president, Brian at km6min_bh@yahoo.com. We are happy to have you!

1 Pending Programs
Static & Sparks

2 Nets of Interest
ACS Corner

3 Events

4 Member Updates

8 December General
Meeting Minutes

9 Simi Settlers' Leadership

10 Membership Form

General Meetings
Time: 7:00pm on the 2nd
Thursday of every month.
Held via Zoom.

February 2021

Nets of Interest

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
LSB Net 8pm 3.908 MHz SSARC 2 Meter Net* 8:30 pm SMRA-ERN Repeater 146.805 -0.6MHz PL100.0 or 445.580 -5.0MHz PL100.0	Condor Connection 7pm (Plays Newsline) Frazier Mountain 224.720-1.6 MHz PL156.7	LSB Net 8pm 3.908 MHz ACS Area 1 Simi Valley SMRA-ERN 7:05pm Repeater 146.805 -0.6MHz PL100.0 or 445.580 -5.0MHz PL100.0 ATN-CA Net 7:30pm http://atn-tv.org/night.htm ACS Area 1 Simplex net, 6:45 PM on 145.510MHz	Channel Islands chapter 10-10 International 28.34 MHz at 10AM and 6PM Mesh IRC Net. 6-10 PM Mesh VOIP Net 8pm 2.4/5.8 GHz Mesh	LSB Net 8pm 3.908 MHz		SSARC SSB HF Net 8:30am 7.240 (+ or - QRM/N) 40 meter CW-QRP 9am 7.032 MHz Quad Squad net 1PM on 21.365 MHz's

Additional information on local nets can be found on the CVARC web site at: <http://www.cvarc.org>

Sunday Night Net Control Operators

Thanks to our fine Net Control Operators: Steve, KE6WEZ; Rick, W6DQE; Ray, KI6LKD; Jay, AG6JF, Brian KM6MIN and Dante, KK6JCQ.

ACS/ARES Corner

We are always looking for ACS members that would like to become Net Controllers. You will receive hands on training at the Simi Valley PD (where we normally conduct the Weekly Net). It is both fun and at times challenging. You will gain valuable experience in running a controlled Net as well as becoming more than just familiar with the equipment in the Radio Room at the PD. If you would like to volunteer for this, let me know - ke6wez@gmail.com

If anyone is interested in how to setup your own packet station, RMS Winlink station, or a Mesh Node, let me know and we can get you started in the proper direction.

NOTE: Please be advised that we hold the Tue. countywide net at 19:30 (7:30PM) on the Sulphur Mountain WD6EBY repeater 145.200, minus 600 KHz offset, CTCSS of 127.3. Until further notice, this will be our standard frequency for countywide communications.

- Steve King KE6WEZ (ke6wez@gmail.com)



Upcoming ACS/ARES Events:

1. New Winlink PO in VC - AG6AG-10 Packet Winlink
2. Mon. 03/01/2021 District Meeting
3. Saturday, May 8th, 2021 Red Cross Drill
4. Sat. 5/30/2021 Mountain to Beach Marathon

February 2021

Events

Thursday, February 4, 2021, 6:00pm SSARC Pizza Night

Toppers Pizza, 2408 Erringer Rd, Simi Valley (even months)

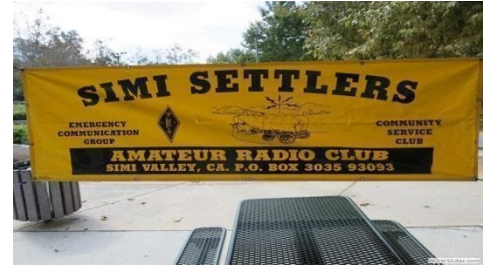
Mod Pizza, 2941 Cochran St, Unit 1A, Simi Valley (odd months)

Thursday, February 11, 2021, 7:00pm SSARC General Meeting

Via Zoom

Thursday, February 25, 2021, 7:00pm SSARC Board Meeting

Via Zoom.



Projects

Projects listed here are intended to peak your interest. Ask questions or submit your entry for the next newsletter.

Go Simi Settlers!

Our club sign looks great at the intersection of Los Angeles and Madera Avenues.



Power supply load test (K6mlf)

Somebody gave me an Astron 20 amp power supply that they said “had lost regulation”. Looked OK inside, but I was not willing to try it out on a radio costing hundreds of dollars. I got 4 each 1 ohm, 100 Watt resistors off of Amazon for \$22.

I mounted the green resistors on a strip of aluminum for a heat sink. Put ring lugs on the wires to that I could connect things in parallel or serial:

12 volts / 4 ohms = 3 amps

12 volts / 2 ohms = 6 amps

12 volts / 1 ohm = 12 amps

As far as the resistors surviving, the total power was divided across the 4 components:

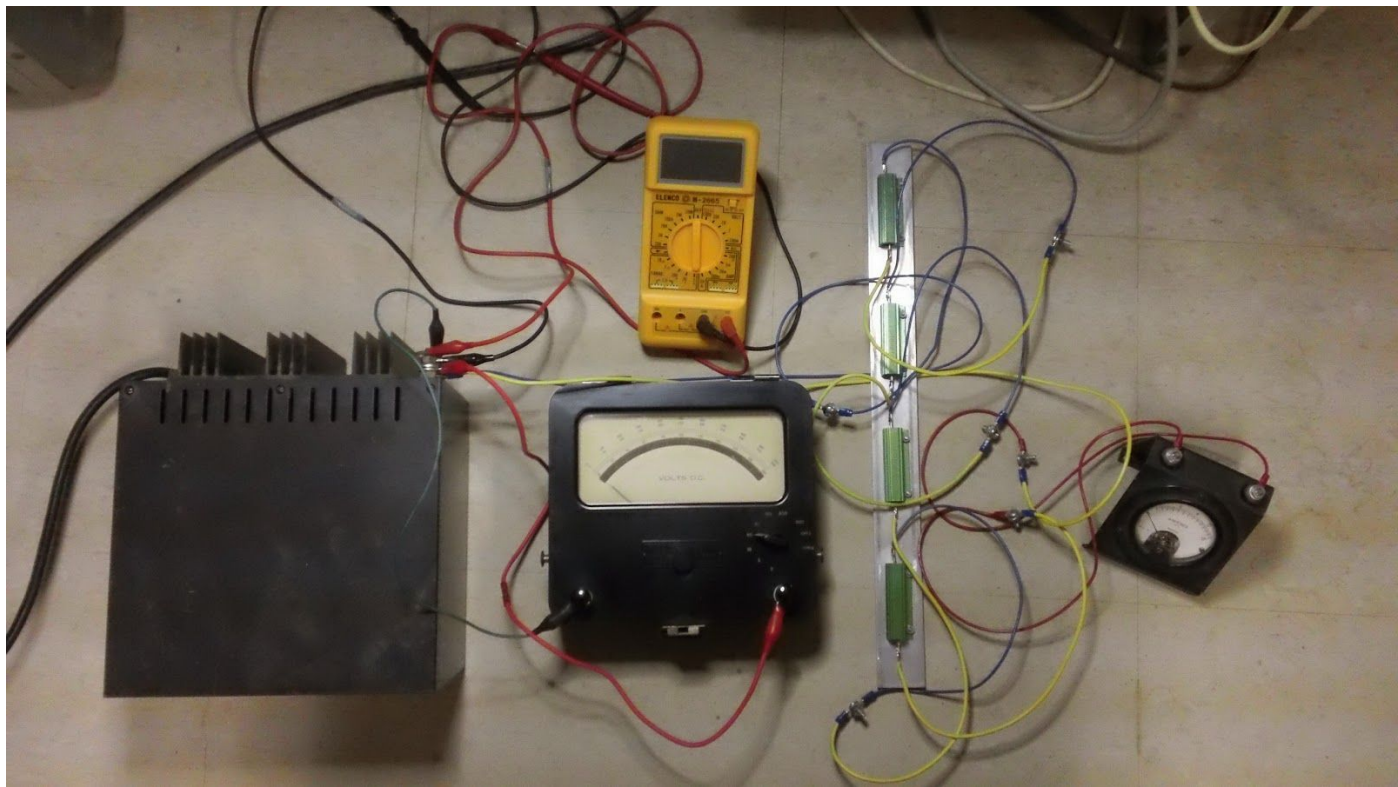
12 x 3 = 36 Watts total, or 9 Watts each

12 x 6 = 72 Watts total, or 18 Watts each

12 x 12 = 144 Watts total, or 36 Watts each

The resistors barely got warm during the 12 amp test, and all survived just fine for future use.

Here is the test setup. Black power supply on the left, green load resistors on the strip of aluminum. Used jumper clips to short the resistors to the various serial / parallel configurations. I conduct things on the vinyl tile floor to avoid random conducting things roaming around on the workbench.



Of course I had a digital volt meter on the test, but the analog meters shown below were of more interest. As I switched the load between values, I watched the voltage to make sure it kept steady regulation. The digital voltmeter has a slower update rate that might not show a voltage fluctuation.

The fast responding analog voltmeter did not even twitch when the load was switched. **Success!**



Here are the meter readings from the test:

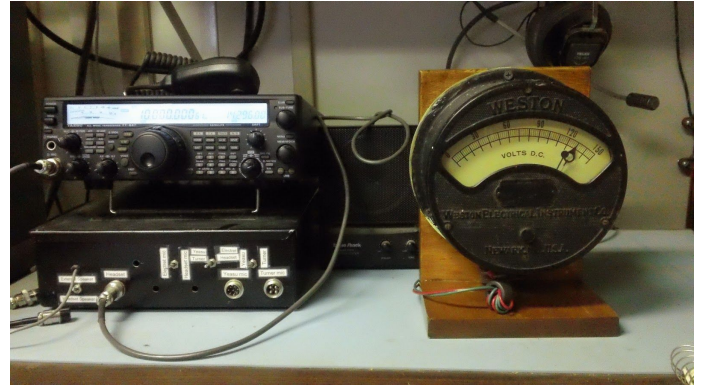
Shown below are the voltages (left side), and the 3, 6, and 12 amp load results.



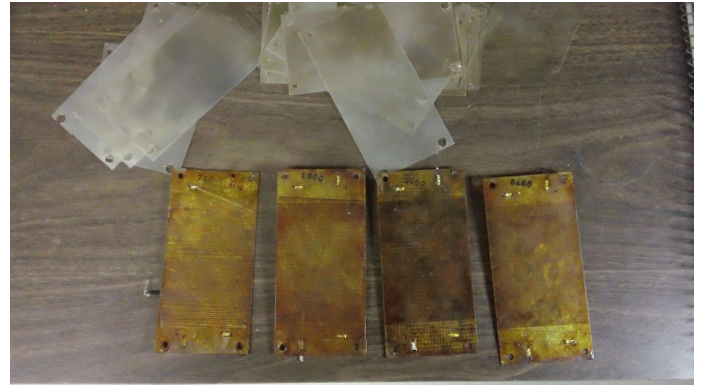
February 2021

My newest voltmeter acquisition!

Got this for around \$60 off of Ebay, sold as “working”. Since my big power supply is out of sight on a high shelf, I wanted a meter to quickly check if it was on and working properly. This monster is doing that in style. It is a Weston Electric Instrument Company Model 24. It has various patent dates listed with the last stamped as “Oct 4, 98”. As in 1898? ! Is this meter really over a 100 years old?



The meter was originally scaled for 0-150 Volts DC. Not much use to me as is, but I opened it up and found these 4 fiber cards inside with many sheets of mica insulation separating them. Each is wound with many turns of tiny wire. They are marked 750, 1000, 2000, and 5400. A total of 9150 ohms?



The 5400 card has a broken wire somewhere on it. Sold as Working? No matter, I found a small 20 turn trim potentiometer and soldered it in place of the resistor cards.

A bit of adjustment on the pot to match my digital voltmeter (previously calibrated to 10.00 volts with a voltage reference). Closed it back up and put some ferrite rings on the lead wires to prevent RF from affecting things.



It has a little knob to set the round marker needle. Maybe it needs some cool led lights?

~ ke6mlf

Letter From The Editor

Please submit articles, pictures, etc. on things of interest to our SSARC community for publication to me at ericoberg1@gmail.com. Such items may discuss your recent antenna project, shack modifications, new operating modes, anecdotes from portable field operations, and so forth. A picture with a caption works. A few sentences strung together works. A few paragraphs, a few pages with detailed illustrations.... It's all good.

73, Eric KE6MLF

February 2021

**Simi Settlers Amateur Radio Club
General Membership Meeting, January 14, 2021**

- Call to Order: The meeting was called to order at 7:03pm by President, Brian Hernandez, KM6MIN. Brian welcomed everyone to the meeting, held over the internet using Zoom. 6 Officers and Board Members/Advisors were present. The total attendance was approx. 12.
- Treasurer: Treasurer Glenn Daly, WA6GNB, reported the account balance now stands at \$1,977.87. He said there is one membership renewal of \$20 to be added. It was MSP to approve the Treasurer's Report.
- Membership: Membership chairman Jim Parker, KJ6LXJ, said our membership was now up to 35. (39 now, with a family renewal). Jim also reported that some updates have been made on the Club website.
- Publicity: PIO, Linda Parker, said there was nothing new to report.
- Secretary: Minutes from the December meeting are in the January newsletter
- Newsletter: Editor Eric Oberg, KE6MLF, said the January newsletter has been posted on the webpage. He welcomes any contributions for publication in future issues.
- Program: President Brian turned the zoom meeting over to Orv Beach, W6BI, who gave a presentation on "Winlink and Mesh Networking". Orv explained that Winlink was first used on H.F. and how it evolved with increasing data speeds. Its use has recently been added to Mesh networking with Winlink Express messaging. Orv said the LAX ARES group is a large user of AREDN (Amateur Radio Emergency Data Network) with Winlink. Orv showed the architecture of Winlink and then gave a demonstration of his messaging interface, Telnet peer-to-peer, over the Mesh network to Bill Woods, AB6BW. In response to a question, Orv showed the latest ARDEN mesh network map for southern Calif. He also showed how mesh networks are growing in Hawaii, as well as in Yakima, Washington, and the San Francisco Bay Area. Orv said his talk at the 2019 Pacificon convention sparked a lot of interest in mesh network activity.
- Member Drawing: Brian made the drawing for the progressive Membership drawing and reported the winning name was Avi Carmi, K6AVI. Avi was not logged into this Zoom meeting, so he did not win the \$10 prize. The prize amount will now increase to \$20.00 for our February meeting. While the Club continues to hold meetings on Zoom, members must be logged into the meeting to win. The prize amount grows by \$10 each month it is unclaimed.
- Adjournment: The Zoom meeting was adjourned at 7:50pm.

Submitted by: Secretary, John Percival, WI6O

February 2021

Simi Settlers' Amateur Radio Club Web Page: <http://www.simisetters.org/index.htm>

Simi Settlers' ARC Yahoo Group: <http://groups.yahoo.com/group/SimiSettlersARC>

Mail: P.O. Box 2125 Simi Valley, CA 93062-2125

Simi Settlers' Leadership				
President	Brian Hernandez	KM6MIN	(805) 813-7595	km6min_bh@yahoo.com
Vice President	VACANT			
Secretary	John Percival	WI6O		johnspercival1@gmail.com
Treasurer	Glenn Daly	WA6GNB		gnb.2112@yahoo.com
Committee Chairpersons				
Webmaster	Jim Parker	KJ6LXJ	(805) 368-6745 cell	kj6lxj@gmail.com
Newsletter	Eric Oberg	KE6MLF	(805) 791-0745 cell	ericoberg1@gmail.com
Membership	Jim Parker	KJ6LXJ	(805) 368-6745 cell	kj6lxj@gmail.com
PIO	Linda Parker		(805) 558-1731 cell	kj6lxj@gmail.com
Raffle Prizes	Rick Galbraith	W6DQE	(805) 433-4513 cell	rick@keymaterial.com
Youth Coordinator	VACANT			
Historian	Mike Tweedy	KV6I		mtweedy@roadrunner.com
Net Coordinator	Brian Hernandez	KM6MIN	(805) 813-7595	
Net Coordinator	Steve King	KE6WEZ		ke6wez@gmail.com
Food Services	Bill Everett	KI6KSV		ki6ksv@gmail.com
Room Coordinator	Linda Parker		(805) 558-1731 cell	kj6lxj@gmail.com
Elmers and Members at Large				
Past-President	Bill Woods	AB6BW	(818) 694-9019cell	AB6BW1@gmail.com
Elmer	VACANT			
Advisor	Bill Everett	KI6KSV		wildpoky45@earthlink.net
Advisor	Jim Hutchinson	KI6MZ		jhutch17@adelphia.net
Advisor	Brad Rife	KI6KSY		speedy@earthlink.net



Simi Settlers Amateur Radio Club

P.O. Box 2125 Simi Valley, Ca 93062-2125 --- (www.simisetters.org)

Membership Application

Type of Application:

New Member ☐
Renewal ☐

Type of Membership:

Individual (\$18/yr) ☐
Family (\$20/yr) ☐

Name: _____ Day & Month of Birth: _____
(Omit year)

Call: _____ Class: _____ ARRL: Yes ☐ No ☐

Address: _____ City: _____ State: _____ Zip: _____

Phone: (____) _____ Alt. Phone: (____) _____

E-Mail Address: _____

Additional Family Members:

Name: _____ Day & Month of Birth: _____
(Omit year)

Call: _____ Class: _____ ARRL: Yes ☐ No ☐

Name: _____ Day & Month of Birth: _____
(Omit year)

Call: _____ Class: _____ ARRL: Yes ☐ No ☐

Name: _____ Day & Month of Birth: _____
(Omit year)

Call: _____ Class: _____ ARRL: Yes ☐ No ☐

Badges requested: Yes ☐ No ☐ How many? _____ X \$18.00 = \$ _____

Name (s) Call(s): _____

Shirts requested: Yes ☐ No ☐ How many? _____ X \$35.00 = \$ _____

Name (s) Call(s) Size(s) (Sm, Med, L, XL, etc): _____

Jackets Requested: Yes ☐ No ☐ How many? _____ X \$88.00 = \$ _____

Name (s) Call(s) Size(s) (Sm, Med, L, XL, etc): _____

OFFICE USE ONLY

Application type: New ☐ Renewal ☐ Membership type: Individual ☐ Family ☐

Date Received: _____ Amount Received: _____ Database completed: _____

Badges and Shirts ordered: _____

February 2021