



Simi Settlers' Amateur Radio Club

Short Circuit

July 2016

July 14, 2016

Static & Sparks

By President Frank Valdez KI6OQ

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- General Meeting
Time: 7:00pm
Location: Simi Valley
Senior Center
3900 Avenida Simi
Simi Valley, CA 93063

July Program

Jim Fortney K6IYK - State of the Section

Jim was elected as Section Manager effective 1 January 2016 and has been busy updating and expanding the Section Appointments and encouraging all Amateurs in the Section to be part of reinvigorating Amateur Radio in the Santa Barbara Section. He wants Amateur Radio to be Successful and FUN for everyone.

April was the month dedicated to getting a higher level of recognition for Amateur Radio in the public eye and through several articles written by local Amateurs. June was recognized by government leadership in San Luis Obispo and Ventura Counties as Amateur Radio Month thanks to the work of our Public Information Coordinator.

Jim is now visiting Amateur Clubs in the Section to report on progress and identify where more participation is needed. His presentation on Santa Barbara Section Status has been well received to date, and will be the subject of our meeting on July 14th.

Dinner with the Speaker
Where? TGIFriday's
When? 5:15pm

Join your club board members and Jim Fortney K6IYK, for dinner before the meeting.

Field Day 2016 at the Reagan Library and the Simi Historical Day events were a tremendous success.

At the Simi Historical Day at the Strathearn Park, we had HF station and a UHF & VHF station set up in Go-Boxes. During this event, we operated as a Field Day special event station under the SSARC call W6SVS 1D SB. We made 25 contacts on 40 meter and also contacted the N6R operations at the Reagan Library.

I want thank all of the members who participated in the setup, operating, and tear down process.

I also want to thank the members who helped in the ½ Marathon event. Job well done.

(Continued on Page 4)

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) Thousand Oaks 223.940-1.6 MHz PL156.7 Frazier Mountain 224.720-1.6 MHz PL156.7	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/netnight.htm LSB Net 8pm 3.908 MHz	Channel Islands chapter 10-10 International 28.34 MHz at 10AM and 6PM	LSB Net 8pm 3.908 MHz		SSARC SSB HF Net 8:30am 7.245 ** (+ or - QRM/N) 40 meter CW-QRP 9am 7.032 MHz Quad Squad net 1PM on 21.365 MHz.

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

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

****We're trying a new frequency for at least a couple of weeks.**

ACS/ARES Corner

1. Friday, Saturday & Sunday 8/9/10 July 2016 - Santa Barbara 100 run. Contact Rick Whittaker KG6VLB rickwhtr@cox.net
2. Monday 11 July 2016 - VCACS District Meeting in Ojai.
3. Saturday & Sunday 20 & 21 August 2016 - Wings over Camarillo Air Show. Contact Ted ki6ptx@arrl.net.

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. ke6wez@gmail.com

NOTE: Please be advised that we will now hold the Tue. countywide net at 19:30 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)

Events

Thursday, July 7, 2016, 6:00pm SSARC Pizza Night

Round Table Pizza, 2345 Erringer Road, Ste. 100, Simi Valley

Thursday, July 14, 2016, 7:00pm SSARC General Meeting

Simi Valley Senior Center, 3900 Avenida Simi, Simi Valley, CA 93063

Thursday, July 28, 2016, 7:00pm SSARC Board Meeting

At the home of Diane Rehaut, 2805 El Paso Av, Simi Valley, CA 93063

Saturday, July 30, 2016, 7:00am W6TRW Swap Meet

(7am) and Exam Session (10am) Redondo Beach, CA

<http://w6trw.com/swapmeet/swapmeet.htm>

Sunday, Aug 14, 2016, 8:30am Ham Radio License Exam Session

Ventura County Sheriff's E County Station

2101 E Olsen Rd (Between 23 Hwy & Reagan Library);

Community Room, Thousand Oaks, CA 91360 Walk-ins-Allowed.

Contact: Jeffrey M Reinhardt (818) 706-3853

See: <http://www.cvarc.org/> for more information

Strathearn Park History Days 2016

Thank you to the Simi Settlers for participating at Strathearn Park History Day 2016, it was a busy weekend for everyone.

We appreciate your Clubs interest in Simi Valley Historical Society and its special event activities and locations, even though it was during Field Day Operations, our Club came thru.

Richard Johnson
SVHS SSARC N6HJD



Static & Sparks (Continued from Page 1)

At the Reagan Library field day site, we operated 15 stations on battery power as follows:

- 902-926 mhz. Mesh network
- 144, 220 and 440
- 6m Phone (SSB)
- 10m. Phone (SSB)
- 15m CW & Phone (SSB)
- 20m CW & Phone (SSB)
- 40m CW & Phone (SSB)
- 80m Phone (SSB)
- 160m Phone (SSB)

Although the Band conditions were okay, the 40m Phone was highest QSO with 511 contacts. Joe W6JWP Band Captain and fellow operators, outstanding job with a 40m dipole at 100w.

At our last SSARC Board meeting, all officers have accepted another term of service. As President of the SSARC, this will be my last term of service ending in June 2017. If anyone is interested, please let any board members know.

Our guest speaker for our July 14, 2016 meeting, will be Jim Fortney K6IYK the Santa Barbara Section Manager. Please come, to hear the happenings in our ARRL Section.

73,
Frank KI6OQ



FCC Says "No" to Lifetime Amateur Radio Licenses

The FCC has denied the petition of an Arizona radio amateur, who had petitioned for lifetime Amateur Radio licenses. Mark F. Krotz, N7MK, of Mesa, had filed his Petition for Rule Making (RM 11760) with the FCC last November, and the FCC invited public comments in February. Krotz wanted the FCC to revise Part 97.25 of its rules to indicate that Amateur Radio licenses are granted for the holder's lifetime, instead of for the current 10-year term. Hundreds of radio amateurs commented on the petition, but the FCC was not swayed by those favoring the idea.

"Based on our review of the record, we are not persuaded that the petition discloses sufficient grounds for the requested rule change," the FCC said in a June 21 Order. "Krotz's primary argument is that extending the term of amateur licenses to the lifetime of the holder would reduce the Commission's administrative and personnel costs, but it is not clear to us that the proposal actually would enhance administrative efficiency." That's because the vast majority of license renewals are submitted online and processed automatically by the Universal Licensing System (ULS), "with minimal staff involvement," the Order said.

The Order can be found on the web in PDF format at, http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db0622/DA-16-707A1.pdf.

The FCC said it had further reduced its overhead by no longer routinely mailing out paper licenses. "[I]f license terms were extended to the holder's lifetime, we likely would receive more cancellations on account of the licensee's death, which are labor-intensive, because staff must carefully verify the deceased's identity and licenses in order to guard against erroneous cancellations," the FCC said in its Order, signed by Wireless Telecommunications Bureau Deputy Mobility Division Chief Scot Stone.

Krotz argued that the General Radiotelephone Operator License (GROL) already is issued on a lifetime basis, but the FCC said that's not a comparable situation, because an Amateur Radio license is both an operator's license and a station license, "and there is no Commission precedent for issuing a lifetime station license."

In 2014 the FCC granted lifetime credit for examination elements 3 and 4, but applicants seeking relicensing under that provision still must pass examination element 2. The FCC pointed out in its Order that this was done to address the concerns of commenters that a licensee who had not renewed also may not have maintained or expanded his or her knowledge and skills.

The 13 Colonies Special Event Gets Under Way on July 1



The eighth annual [13 Colonies Special Event](#) takes place from 1300 UTC on July 1 until 0400 UTC on July 7. Stations working the special event station in at least one of the original 13 states -- or all 15 participating stations -- will be eligible for a certificate. A Liberty Bell endorsement will be attached for stations contacting sister special event station WM3PEN, in Philadelphia, where independence was declared. Returning this year is a second sister station, GB13COL in Durham, England.

Stations will be on the air from each of the original 13 colonies: Connecticut (K2D), Delaware (K2E), Georgia (K2G), Massachusetts (K2H), Maryland (K2F), North Carolina (K2J), New Hampshire (K2K), New Jersey (K2I), New York (K2A), Pennsylvania (K2M), Rhode Island (K2C), South Carolina (K2L), and Virginia (K2B).

FCC's OET Clarifies Emissions Compliance Testing for RF LED Lighting Devices

The FCC's Office of Engineering and Technology ([OET](#)) [has clarified](#) that all RF LED lighting devices falling under Part 15 rules as "unintentional radiators" must meet conducted and radiated emissions limits set forth in those rules.

"Operation of Part 15 unintentional radiators is subject to the condition that no harmful interference is caused," the OET reminded, in a knowledge database paper released on June 17. "Manufacturers and users should therefore note that lighting devices are required to cease operation, if harmful interference occurs."

The OET said radiated emissions measurements must be performed at least from 30 MHz to 1000 MHz to adequately demonstrate compliance with Part 15 (§15.109). Its guidance, the OET continued, applies to RF LED lighting devices that, in the past, have been considered to operate on frequencies below 1.705 MHz. Previously, devices operating between 9 kHz and 1705 kHz had to be tested only for radiated emissions up to 30 MHz, where no specified radiated emissions limits exist, and were exempt from testing from 30 MHz to 1000 MHz. The OET said it recognizes that routine radiated emissions measurements are needed under Part 15, based on the highest frequency generated or used in the device.

"[W]e have found that emissions from RF LED lighting devices are non-periodic, broadband in nature, and are produced as a byproduct of the internal driver circuitry within the RF LED lighting device," the OET "knowledge data base" paper said. "These types of emissions have adequate energy and potential to generate radiated emissions well above 30 MHz."

The ARRL Lab's Electromagnetic Compatibility Engineer Mike Gruber, W1MG, said he was pleased to see the FCC's OET clarify the test measurement requirements. He said ARRL is generally hearing more RFI complaints stemming from RF LED bulbs.

"Not only are the emissions limits higher for Part 15 LED bulbs -- as opposed to Part 18 fluorescent and CFL bulbs -- they seem to be winning out in terms of consumer popularity," Gruber said. "Higher limits and more bulbs probably make for more complaints." Gruber said the Lab has seen LED lighting devices causing problems in the 2 meter band. "Since conducted emissions limits do not apply above 30 MHz, radiated emissions limits can be the first line of defense against RFI at these higher frequencies."

Gruber pointed out that noise generated by street and traffic lighting can be widespread. In such instances, he suggested that Part 15b limits for residential areas should apply. "These limits are lower than Part 15a limits, which are intended only for commercial and industrial environments," he explained. "This is especially critical in cases where a pole transformer connected to the lighting device also feeds a home or residence. The 240 V split-phase secondary system can conduct RF into a residence through the service entrance panel." He suggested that the lower limits may benefit mobile users. Read [more](#).



The FCC's OET said emissions from RF LED lighting devices are non-periodic, broadband in nature, and are produced as a byproduct of the internal driver circuitry within the RF LED lighting device. [Rick Lindquist, WW1ME, photo]

Mesh Web Cams and Field Day

AA6VC and N6R were both running web cams from their respective FD sites.

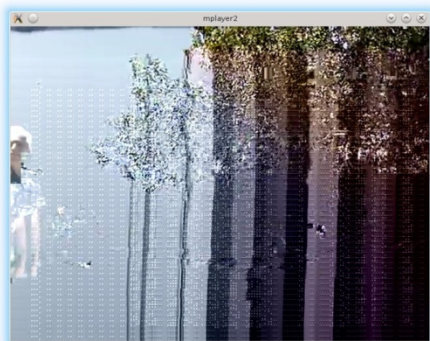
From my QTH, AA6VC was 3 hops (2.4 & 5.8 GHz) spanning 40 miles. N6R was 6 miles direct, but with the path not quite clearing the ridge just to the east of the Reagan Presidential Library, LQ & NLQ was never better than about 60% in both directions. The path was better (but not great) to AA6VC.

Using mplayer there were lots of dropped and/or late frames and h.264 protocol errors from both service nodes, and both feeds made mplayer crash occasionally.

Here are the two best screenshots I got from each of their cameras. Note that while I got two good screenshots from AA6VC I had to pounce on them, as most often their video stream was partial and distorted frames. I never did get an intact frame from N6R.

It may not seem like it, but on the all and all, we're making progress I think. 18 months ago we couldn't make a web cam video stream work consistently at all.

73,
Orv - W6BI

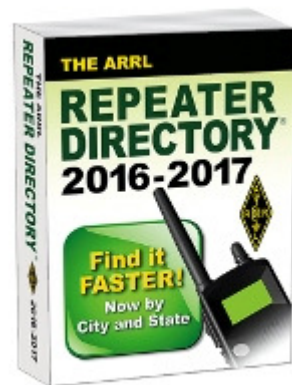


2016-17 ARRL Repeater Directory

About every two years I find myself needing an updated repeater list for local and vacation use. I really get lost when on vacation especially on what repeaters are digital and what type of manufacturer's encryption they support.

The 2016-17 ARRL repeater directory has finally stepped up to meet this growing demand with 414 pages of useful tips and up-to-date information.

Featuring organized listings for both the US and Canada by state/province, city, and mode. Digital repeaters including D-STAR, Yaesu System Fusion, DMR, NXDN, APCO25 and even Digital TV have been added giving you much more useful information at a glance! And even tips on operating, emergency message handling, dealing with interference, guidelines for severe weather reporting to SKYWARN/National Weather Service and so much more...



At the reduced price of 15.95 (plus shipping) this year's guide is a whole lot more useful than ever before.

Frosty Oden,
NQ1S

Simi Settlers Amateur Radio Club

General Membership Meeting, June 9, 2016

- Call to Order: President, Frank Valdez, KI6OQ, called the meeting to order at 7:10pm. Frank welcomed everyone to the meeting, held at the Simi Valley Senior Center. There was a recitation of The Pledge of Allegiance. 11 Officers and Board Members/Advisors were present. The total attendance was 26, with 4 visitors.
- Introductions: A brief round of introductions was made. Guests included, Paul Strauss, WD6EBY, Vern Potter, W6NCT, and Terry Graves, K7FE.
- Announcements: Frank mentioned the very interesting Chatsworth peak repeater site Open House tour last weekend. Vern Potter, W6NCT, discussed plans for the VCARS-Simi Settlers Field Day at the Reagan Presidential Library, June 25-26. He expects the operation class to be 13A to 16A. He asked those who attend to move around to see and participate at the various stations on the air. Vern mentioned that this year we will not be allowed to park or set up stations in spaces of the public parking areas. During Library open hours we will have to park on the lower dirt parking area or on the road up to the helipad. This year we will have Mesh networking and hopefully make a link to the CVARC Field Day group. Frank said the Saturday dinner will be from Red's Barbecue. He mentioned the menu items and expects the cost to be around \$13 per person. Frank mentioned that it is Club Election time saying it looks like our present officers are willing to continue for another term. The Board will go over this at the June Board meeting. We were supposed to have candidate nominations in May, and an election in June. Membership renewal dues for most members are due by July 1, when the new Club Year begins.
- Program: Frank introduced Paul Strauss, WD6EBY, who spoke about the system of linked repeaters that he is building. Paul told how his entry into repeater system development began and the goals he has for it. With a slide presentation he presented information about the repeater installations he has built and is still developing. Photos showed the progress of construction and equipment he has installed at the various sites thus far. He described the process of obtaining sites and working with the property owners. Paul stressed the benefits of having multiple agencies making use of sites for radio communications. Installation sites he mentioned include: Camarillo Hills, Laguna Peak, Reeves Road Ojai, Chatsworth Peak, Sulphur Mountain, and a South Mountain site. For the Chatsworth Peak installation, he had pictures showing the work that was required to get power to the equipment enclosure, and creating an antenna base structure. For the future, Paul is looking for assistance in the areas of technical, financial and organizational help to form a club or association. He has a callsign K6SRN for the (SRN) "South Coast Radio Network" that is under ongoing development. At the conclusion of the program Frank thanked Paul and presented him with a certificate of appreciation from the Simi Settlers.
- Break: Following the program a 20-minute break was taken with refreshments provided by Bill Everett, KI6KSV.
- Member Drawing: The winning name in the progressive Membership drawing was Club Historian, Mike Tweedy, KV6I, who was present to win the \$20 prize. Therefore, the amount will start over with \$10 for our next regular meeting on July 14, 2016. Members must be present to win, and the prize grows by \$10 each month it is unclaimed.
- Prize Raffle: Joe Partlow, W6JWP, won the "Grand Prize" at this month's raffle, an LED Lantern.
- Adjournment: The meeting was adjourned at 8:55pm.

Submitted by: Secretary, John Percival, WI6O

Simi Settlers' Leadership				
President	Frank Valdez	KI6OQ	(805) 404-0394	ffvaldez@dslextreme.com
Vice President	VACANT			
Secretary	John Percival	WI6O		percivaljohns@cs.com
Treasurer	Glenn Daly	WA6GNB		gw.daly@yahoo.com
Committee Chairpersons				
Webmaster	Jim Parker	KJ6LXJ	(805) 368-6745 cell	kj6lxj@gmail.com
Newsletter	Joe Partlow	W6JWP	(805) 428-7907 cell	joe.w6jwp@gmail.com
Membership	Jim Parker	KJ6LXJ	(805) 368-6745 cell	KJ6LXJ@gmail.com
PIO	VACANT			
Field Day	<i>What will <u>you</u> do?</i>			
Youth Coordinator	Dante Smith	KK6JCQ		danterusso1999@gmail.com
Historian	Mike Tweedy	KV6I		mtweedy@roadrunner.com
Net Coordinator	Ray Campbell	KI6LKD	(805) 404-3246	ki6lkd@yahoo.com
Net Coordinator	Steve King	KE6WEZ		ke6wez@gmail.com
Food Services	Bill Everett	KI6KSV		ki6ksv@gmail.com
Room Coordinator	Linda Parker			kj6lxj@gmail.com
Elmers and Members at Large				
Past-President	Rick Galbraith	W6DQE	(805) 433-4513 cell	Rick@keymaterial.com
Past-Treasurer	Norbert Rehaut	W9YPM(SK)		
Elmer	VACANT			
Advisor	Bill Everett	KI6KSV		wildpoky45@earthlink.net
Advisor	Jim Hutchinson	KI6MZ		jhutch17@adelphia.net
Advisor	Brad Rife	KI6KSY		speedy@earthlink.net
Advisor	Spencer Smith	N6IWY	(805) 583-1127	n6iwy@sbcglobal.net

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

Letter From The Editor

Another Field Day come and gone. Propagation conditions may not have been great but the weather and Saturday dinner was. Myself, Al W6AAX, Jim KJ6LXJ, Orv W6BI and Frank KI6OQ worked the 40 meter phone station. Our equipment consisted of an ICOM IC-718 feeding a 40 meter Inverted Vee dipole at about 38 feet. We had batteries and a 120 watt solar charging system. We managed 510 contacts and still had plenty of time to interact with the public and visiting hams. Until next year.

- 73

- Joe W6JWP

Simi Settlers Amateur Radio Club

P.O. Box 2125 Simi Valley, Ca 93062-2125 --- (www.simisettlers.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 \$16.00 = \$ _____

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: _____