



# The San Fernando Valley Amateur Radio Club

Volume 63 Number 4 April 2017

## President's QRM

I'm sorry to have to announce that I will be stepping down as President, as I have been presented the opportunity to manage a regional upgrade project for my company. This project will be in the south east region, and is expected to last for 6 months. Due to the size and scope of this project, I feel I will not be able to carry out my duties as President.

Next **SFVARC  
Club Meeting**  
Friday, April 21  
at 7:30pm  
LAPD West  
Valley station,  
19020 Vanowen  
St, Reseda, CA  
91335

I have enjoyed serving as your President, and I thank each and every one of you for your support. I look forward to returning to active participation with the club after this project is completed.

Jack Eyster - KO6V

San Fernando Valley  
Amateur Radio Club  
ARRL Affiliated Club #1684

### W6SD

ARRL Special Service Club  
P.O. Box 280244  
Northridge, CA 91328-0244

The San Fernando Valley Amateur Radio Club, Inc (SFVARC) is an organization interested in Amateur Radio as a hobby.

The SFVARC is affiliated with the American Radio Relay League and the Los Angeles Council of Amateur Radio Clubs, Inc. Members of the Club conduct licensing classes on a continuing basis. Anyone interested in Amateur Radio is invited to attend our monthly meetings.

#### Club Officers

President  
Randy Comeau, K6BC

Executive VP  
Vacant

Planning Vice President  
Tom Peabody, K6TGP

Technical Vice President  
John Tibbetts, W9APX

Membership VP  
Ginger Wonderling, AB6YL

Secretary  
Vacant

Treasurer  
Don Pettric, WG6H  
wg6h @ arrl.net

Station Trustee  
Vacant

W6SD Carrier Editor/ Website  
Manager  
Bernard Falkin, KG6FBM  
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ARES Liason  
Jack Eyster, KO6V  
mr.eyster @ gmail.com

LAACARC delegate  
Jack Eyster, KO6V  
mr.eyster @ gmail.com

Awards Manager  
WAS & VUCC card checker for ARRL  
Arnold Schwartz, WB6PJC  
usarnie1 @ sbcglobal.net  
(818) 222-7037

## POSTINGS AND NOTICES

Board Meetings: Usually at Lulu's restaurant. Dates and times "TBD." These are open meetings and all members are welcome to attend!

World Wide Web Site: <http://www.w6sd.net>

# Club Nets:

- 2 meter simplex: Tuesdays, 8 p.m. on 145.570 MHz.

Net Control: The Net Control Operators are Jim Sullivan WB6TNF, Phil Reiber KJ6ZI, Michael Farrow K1MIX, John Tibbetts W9APX.

Net Control: Varies

- 10 meter: Wednesdays, 8 p.m. on 28.310 MHz +/- QRM in the Upper Side Band Mode

- 2 meter repeater: Thursdays, 8 p.m., on the Magic Mountain Repeater (147.735 MHz - PL100) or Duck Mountain (147.24 MHz +PL67.0) if Magic is unavailable.

6th District DX QSL Bureau: The 6th District DX QSL Bureau is now in Fairfax, CA. The Bureau prefers that you purchase envelopes from them (\$.64 each, including postage) Contact the Bureau at PO Box 970, Fairfax, CA 94978-0970 or visit their web page at <http://www.qslbureau.org/>

You can now follow them on Twitter.com! You will find us at @ARRL\_6\_Bureau.

Ham Exams: Held at the VE Exams will be at "The Van Nuys Flyaway" located at a NEW location! 7610 Woodley Ave., Van Nuys, CA 91406. 2nd Floor in the Conference Room located at the North end of the Building. Parking is free in the parking lot next to Woodley Ave. Park in the row closest to Woodley Ave., Enter the terminal, elevator on the right to the 2nd floor, turn right, end of the hall on the first Saturday of February, April, June, August, October, and December. **Registration begins at 8:00 a.m. and doors close at 9:00 a.m. Testing begins after registration is complete.** You do not have to be a Club member to take an examination. There is a \$5.00 examination fee. Also, if you are upgrading your license, please bring your original license, a copy of your license, and originals and copies of any "Certificates of Completion". For more information, call Jim Sullivan (WB6TNF) 818-348-4155. In all other months, exams are conducted by the Santa Clarita Amateur Radio Club; contact Ron Klein, K6VPV at 661-259-0948

Newsletter Contributions: Please contact Bernard Falkin, KG6FBM [kg6fbm at bfllocks dot com](mailto:kg6fbm@bfllocks.com) if you have anything for the newsletter.

The opinions expressed in the W6SD Carrier are solely those of the editor or other contributors and do not necessarily reflect the opinions of either the Board of Directors or membership of the SFVARC.

## Northridge VE Schedule for 2016/2017

The test session registration is from 8:00 am until 9:00 am. Anyone arriving after 9:00 will be turned away. Time limit to take a test is 90 minutes. Exams will be held at "The Van Nuys Flyaway" located at a NEW location! 7610 Woodley Ave., Van Nuys, CA 91406. 2nd Floor in the Conference Room located at the North end of the Building. Parking is free in the parking lot next to Woodley Ave. Park in the row closest to Woodley Ave., Enter the terminal, elevator on the right to the 2nd floor, turn right, end of the hall. Signs will be posted if the room is changed.

**6/3/17, 8/5/17, 10/7/17, 12/2/17, and 2/3/18.**

### Simplex Net Reminder

Two meter simplex:  
Tuesdays, 8 p.m. on  
Jim Sullivan  
WB6TNF, Phil Reiber  
KJ6ZI, Michael  
Farrow K1MIX, John  
Tibbets W9APX.

### **WAS & VUCC Award Card Checking**

Please bring  
your QSL cards  
and completed  
applicable forms  
to the next  
meeting.

Awards Manager  
Arnie, WB6PJC,  
will be available  
to check your  
cards.

### Morse Encoder Decoder

This app let you  
encode/decode and  
transmit Morse code easily.  
Send Morse code via audio  
and light with flexible WPM  
and pitch.

Receive and decode Morse  
code from audio or light  
signal.

Run-time communication  
interface is also provided.  
A specific designed SOS  
function allow you to send  
distress signal with extreme  
minimum power  
consumption.

<http://bit.ly/2pfmng4>

New to the hobby and stuck?  
Maybe it has been a few too many  
years since you were active and  
need to talk to someone for simple  
advice on:

AHF

AVHF/UHF

Arigs

ADiscussion on different modes

AAn antenna

AContesting

ADxing

ARag-chewing.

Apublic service activity

Ask an Elmer at our next meeting.

Want to order a club badge?

The SFVARC badge comes standard with a safety pin fastener and may also  
be ordered with other fasteners.

Contact [ko6v@arrl.net](mailto:ko6v@arrl.net)

## New Bands! FCC Issues Amateur Radio Service Rules for 630 Meters and 2,200 Meter

The Amateur Service will officially get two new bands in the near future. The FCC has adopted rules that will allow Amateur Radio access to the 630 and 2,200-meter bands, with minor conditions. A Report and Order (R&O) was released on March 29. The new rules become effective 30 days following publication in The Federal Register. The R&O, which also addresses several non-Amateur Radio issues, allocates the 472-479 kHz band (630 meters) to the Amateur Service on a secondary basis and amends Part 97 to provide for Amateur Service use of that band as well as of the previously allocated 135.7-137.8 kHz band (2,200 meters). The R&O also amends Part 80 rules to authorize radio buoy operations in the 1900-2000 kHz band under a ship station license.

"It's a big win for the Amateur community and the ARRL," ARRL CEO Tom Gallagher, NY2RF, said. "We are excited by the FCC's action to authorize Amateur Radio access for the first time on the MF and LF spectrum." The FCC said the Amateur Radio service rules it has adopted for 630 meters

and 2,200 meters allow "for co-existence with Power Line Carrier (PLC) systems that use these bands." Utilities have opposed Amateur Radio use of the MF and LF spectrum, fearing interference to unlicensed Part 15 PLC systems used to manage the power grid. Amateurs operating on 472-479 kHz would be permitted a maximum equivalent isotropically radiated power (EIRP) of 5 W, except in parts of Alaska within 800 kilometers (approximately 496 miles) of Russia, where the maximum would be 1 W EIRP. Amateurs operating in the 135.7-137.8 kHz band could run up to 1 W EIRP. The FCC is requiring a 1-kilometer separation distance between radio amateurs using the two new bands and electric power transmission lines with PLC systems on those bands. Amateur Radio operators will have to notify UTC of station location prior to commencing operations. The FCC also placed a 60-meter (approximately 197 feet) above-ground-level (AGL) height limit on transmitting antennas used on 630 meters and 2,200 meters. The bands would be available to General class and higher licensees, and permissible modes would include CW, RTTY, data, phone, and image. Automatically controlled stations would be

permitted to operate in the bands. More details soon, on the ARRL website.

## NVIS Research Papers Available

A thorough and fully annotated discussion of Near Vertical Incidence Skywave (NVIS) is available in the research paper, "Radio Communication via Near Vertical Incidence Skywave Propagation: An Overview," by Ben A. Witvliet, PE5B/5R8DS, and Rosa Ma Alsina-Pagès.

First investigated in the 1920s, NVIS propagation was rediscovered during World War II as "an essential means to establish communications in large war zones such as the D-Day invasion in Normandy," the paper notes, adding that the US Army subsequently sponsored a lot of NVIS field research, especially between 1966 and 1973. More recently, NVIS has become a popular means to enable close-in communication on Amateur Radio HF bands between 3 and 10 MHz. NVIS can be used for radio communication in a large area (200-kilometer radius) without any intermediate manmade infrastructure, and it has been found to be especially suited for disaster relief communication, among other applications, according to the paper.

"A comprehensive overview of NVIS research is given, covering propagation, antennas, diversity, modulation, and coding," the Abstract explains. "Both the bigger picture and the important details are given, as well as the relation between them." As the paper describes it, in NVIS propagation, electromagnetic waves are sent nearly vertically toward the ionosphere, and, with appropriate frequency selection, these waves are reflected back to Earth.

"The great reflection height of 80 to 350 kilometers results in a large footprint and homogeneous field strength across that footprint," the paper says. "Due to the steep radiation angles large objects such as mountain slopes or high buildings cannot block the radio path."

As for NVIS antennas, the paper stipulates that important parameters are antenna diagram, polarization, and bandwidth. "As only high elevation angles contribute to NVIS propagation, optimizing the antenna diagram for these elevation angles will increase the effectively transmitted power and improve the signal-to-interference ratio at reception."

<https://forums.qrz.com/index.php?threads/the-arrl-letter-march-30-2017.561157/>

**QCWA 70<sup>th</sup> Anniversary  
CHARITY Cruise  
October 18 – 29, 2017**

**Join us aboard Holland America's  
new ship, ms KONIGSDAM**

*Don't miss this exciting opportunity.  
Sail the seas with your family & QCWA  
friends to promote Amateur Radio World Wide*



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Roundtrip Fort Lauderdale



*Enjoy sailing 11 days visiting St. Maarten, Guadeloupe, Barbados, Martinique, St Kitts & Nevis, St Thomas and the Bahamas before returning back to Ft Lauderdale.  
Be part of the group functions, enjoy a complimentary Pinnacle Grill dinner and the comradery.*

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**Contact White Travel for all the details**

**Phone: 800-547-4790 / Email: [info@whitetravel.com](mailto:info@whitetravel.com)**

\*Rate is based on an inside Category J, double occupancy at the time of printing. Lower categories and/or a lower rate may be available at the time of booking. All rates and accommodations are based on availability \*\* Credits are per stateroom



<http://w6sd.net/member>

Application For SFVARC Membership/Renewal

Date \_\_\_\_\_

Name \_\_\_\_\_ Call \_\_\_\_\_

License Class \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_

Email \_\_\_\_\_

ARRL member? \_\_\_\_\_

New member ? \_\_\_\_\_ Renewal ? \_\_\_\_\_

Exclude your info from printed club membership roster? Yes \_\_\_\_\_ No \_\_\_\_\_

Dues information:

Full year \$18 or if under age 18 - \$6

Family membership: each additional family member is charged the under 18 age rate

Please make checks payable to SFVARC

If mailing, address to:  
San Fernando Valley ARC  
P.O. Box 280244  
Northridge, CA 91328-0244

Thank you for your interest and participation in the SFVARC.





San Fernando Valley Amateur Radio Club  
P.O. Box 280517-0517  
Northridge, CA 91328-0517

2 meter mag mount  
mobile antenna \$35.00.  
818-360-4778  
Thanks,  
73,  
Johnnie, w6hty

**Next Meeting: Friday, April 21, at 7:30pm at LAPD West Valley Station.**

**W6SD.NET**

Communications Service Company, Antenna Specialist, TV-ham-  
Shortwave-Satellite TV, MATV-Residential and Commercial, Audio-  
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HAROLD "SKIP" BOLNICK, KJ6Y  
22712 Califa St.  
Woodland Hills, CA 91367-4418  
Phone 818-887-3569  
Fax 818-703-8732

**Eric Christensen**  
Manager - Burbank | K6EJC | ws3bnk@hro.net  
TF: 877-892-1748 | P: 818-842-1786 | F: 818-842-5283  
1525 W Magnolia Blvd, Burbank, CA 91506

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