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.

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

Next SFVARC Club Meeting
Friday, April 21
at 7:30pm
LAPD West Valley station,
19020 Vanowen St, Reseda, CA 91335
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 Tibbets W9APX.

- 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.

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](http://www.w6sd.net)

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/](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 bblocks dot 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.
Simplex Net Reminder
Two meter simplex: Tuesdays, 8 p.m. on Jim Sullivan WB6TNF, Phil Reiber KJ6ZI, Michael Farrow K1MIX, John Tibbets W9APX.

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.


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.

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: HF, VHF/UHF, Arigs, Discussion on different modes, Antenna, Contesting, DXing, Rag-chewing, Public service activity. Ask an Elmer at our next meeting.

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.

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
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 Paper 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/SR8DS, 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."
QCWA 70th 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

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.

Rates start at $1444* per person including tax and may be combinable with current promotions.

Call WHITE TRAVEL for the best possible rate.

SPECIAL BONUS ON-BOARD CREDIT BOOKING INCENTIVE

Book with WHITE TRAVEL (Monday to Friday) between January 30 and February 10, 2017

Inside staterooms will receive $35 on-board credits**

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Contact White Travel for all the details

Phone: 800-547-4790 / Email: 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
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.
 Communications Service Company, Antenna Specialist, TV-ham-Shortwave-Satellite TV, MATV-Residential and Commercial, Audio-Video-CCTV Cameras, Expert Tower Installations
HAROLD “SKIP” BOLNICK, KJ6Y
22712 Califa St.
Woodland Hills, CA 91367-4418
Phone 818-887-3569
Fax 818-703-8732

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

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