



'Nuts & Volts'

Volume 96, Issue 1

San Francisco Amateur Radio Club - www.sfarc.org

January 2012

It's A New Year



What can you say about 2011 as we wind down the year? I say it was a time of fun and growth in a "hobby" that we love so much. It may not seem like it, but the SFARC had a very full year. There were so many memorable experiences, new friends, and a huge jump in new membership.

Aside from the regular public service events like Walk MS and the SF Marathon, we had a stellar Field Day on Treasure Island. Finishing touches were made to the V.A. Station, and the final elements of our D-Star project are near completion. It was a long road on those projects, but, a trip well taken. Our VE Testing program has become very popular, and word of our club is spreading!

This New Year, we will make a big splash with our Special Event Station W6G for the 75th Anniversary of the Golden Gate Bridge. We even have other clubs wanting to join us. With your ideas and participation, 2012 is going to be a fantastic year.

Our Club Historian, Bart Lee (K6VK), joins us this month with a presentation that was very well received at Pacificon. I am looking forward to seeing all of you at the January meeting.

From my family to yours, here's to a very Happy New Year. May yours be all that you hope.

73

Tony (K6BV)

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Our Jan. Program on 1/20

An electromagnetic pulse (sometimes abbreviated EMP) is a burst of electromagnetic radiation. An EMP usually results from certain types of high energy explosions, especially a nuclear explosion, or from a suddenly fluctuating magnetic field. The resulting rapidly-changing electric and magnetic fields may couple with electrical/electronic systems to produce damaging current and voltage surges. Bart Lee (K6VK) will give the details on how EMP can permanently damage your computers, radios, and much more, and what precautions you can take.

Local Area Nets

For those of you who wish to join in the area nets:

Monday		
W6PW	SFARC	20:00 (8 p.m.)
SATERN		20:00 (8 p.m.)
W6BUR	Cathay Radio Club	21:00 (9 p.m.)
Tuesday		
W6TP	Siren Net	12:00 (noon)
W6TP	G. S. Ladd Tel	19:30 (7:30 p.m.)
Wednesday		
SFARC	Informal H/F Net	19:00 (7 p.m.)
W6RGG	ALCO RACES	19:00 (7 p.m.)
WA6TOW	Coastside ARC	21:00 (9 p.m.)
Thursday		
WA6GG	ACS Net	19:30 (7:30 p.m.)
Saturday		
WA6TOW	Coastside ARC	9 a.m.
SATERN		
W6BUR	147.060+ (pl 100.0)	
W6PW	146.670- (pl 85.4)	
W6TP	145.150- (pl 114.8)	
WA6GG	146.790-/443.100+ (pl 114.8)	
W6RGG	442.050+ (pl 127.3)	
WA6TOW	147.240+	
SFARC H/F	146.925- (pl 114.8)	
	14.340 MHz	

These nets are for the benefit of the Ham community, and all licensed hams are welcome to participate. All are directed nets. The nets sharpen your skills as a radio communicator, and are a good opportunity to meet other hams in the Bay Area. They all welcome new check-ins. Please send any updates or additions to: k6elw@hotmail.com

Golden Gate Bridge 75th Anniversary



A Special Event comes to San Francisco. The San Francisco Amateur Radio Club, in cooperation with the California Historical Society, celebrates the 75th Anniversary of the Golden Gate Bridge, May 26 – 27, 2012. The “Golden Gate” is a recognized landmark known around the world, and the San Francisco Amateur radio club invites you to contact our Special Events Station W6G. We are happy to QSL any contacts during the event with a special card. For stations contacting us on 5 Bands we will issue a special certificate of commemoration.

Most important of all, we will need operators for this fun event. A special e-mail address has been created for amateurs who may be interested in volunteering or have questions: w6g.sfggb@gmail.com.

Here are more details which will also be available on arrl.org, qrz.com and on our own site at <http://www.sfarc.org/>:

Golden Gate Bridge 75th Anniversary

SPECIAL EVENT

05/26/2012

We will be working SSB and CW. QSL via QRZ.com. Certificate available for working 5 Bands May 26 - May 27, 2000Z-2200Z, W6G, San Francisco, CA. San Francisco Amateur Radio Club. 28.375 24.975 21.275 18.125 14.275 7.175 3.750 SSB and CW. Certificate available for working 5 Bands.

Certificate & QSL Address:

Tony Dowler (K6BV)
PO Box 1749
Pacifica, CA 94044

The SFARC is looking forward to meeting you on the air.

73,

Tony Dowler (K6BV)
SFARC President

Critical Mass Practice

For an excellent opportunity to practice Ham radio communications, come out to Spreckles Lake at Golden Gate Park on Saturday, January 21, 2012, from 1000 to 1200 hrs. Check-in will be by radio on 146.550 PL 100 simplex. All licensed Amateur Radio Operators, any experience level, are welcome; bring your radio and manual, paper and pencil. There are not many opportunities to practice with your radio, so come to the Park to practice, learn from an Elmer, or be an Elmer. Contact Peter McElmury at KI6NYQ@ARRL.NET for more details (type “2 Meter Practice” in subject line.)

Informal HF Net

We have an informal HF net that meets at 7 pm Wednesday at 14.340 Mhz. The get-together is hosted either by Jack (K6ZQ), or by Jim (N6OGZ). We always touch on HF propagation, DX contacts, HF rigs, antenna and so forth, but also discuss and comment on recent club happenings, current events, and what’s for dinner. All hams, club members or not, are invited and welcome to check-in and either listen or participate. We usually have a round-robin conversation of between four and seven hams that lasts thirty to forty minutes.

Sat. Morning CW Practice

For the past year and a half, SFARC club members Jack (K6ZQ) and Jerry (K6JB) have been maintaining a weekly CW practice every Saturday morning, and they welcome any CW beginners or enthusiasts who would like to join them. They generally operate at 13-14 WPM, but can slow down if needed. Details are:

Freq: 14.067 MHz Time: 8A-8:30A Saturdays

They generally transmit at less than 15 watts, but still produce 599 reports since they're both local in San Francisco. If there's QRM (man-made interference), they will search below 14.067 for the nearest open frequency. Please send an email to Jerry (K6JB) at k6jb@arrl.net for more information. Otherwise, feel free to tap out a "hello" and "hi, hi" via CW mode one of these Saturday mornings.

Joint Campout with the Mt. Diablo Radio Club



43rd Anniversary Campout Party
PRESENTED BY THE
San Francisco Amateur Radio Club
&
Mount Diablo Amateur Radio Club

"A 2012 Camping Adventure"

The joint SFARC-MDARC campout will take place starting on Friday, June 1st and end on Sunday, June 3rd at the Sugar Pine Dam Recreation Area. It is one of the most beautiful spots in Placer County. This will be a joint venture between the Club and a another group of radio amateurs who have meeting for this annual event for the last 30 years. We are limited to 50 people at this site so get your reservations in early. Check out the fun we had last year, and more details about this year's event, by following the links on our web site, or by going to: <http://www.sfarc.org/camp2012.htm>

Field Day 2012

Field Day 2012 is going to be held June 23rd – 24th. Stay tuned to this newsletter, and our web site at <http://www.sfarc.org/>, for more information.

V.E. Testing at the SFARC

The club is going to be holding its next V.E.C. amateur radio license testing session on Sunday, March 11, 2012, from 8:30 am to 11:30 am. Testing will take place (tentatively) at the Building 7 auditorium where the club holds the Friday night meetings. Walk-ins are welcome. If you are planning to take the test with us, You must provide either a Social Security Number (SSN), Taxpayer Identification Number (TIN), or FCC Registration Number (FRN). We will also appreciate your bringing a copy of your current license and any CSCE (received at the time of your previous successful testing) that we may retain. You can get more details on the club's website: <http://www.sfarc.org/>. To register, or get more info about the testing program, go to <http://sfhamexam.com>. If you have any questions send them to: team@sfhamexam.com.

Our Google Group

All members are invited and encouraged to participate in the SFARC's Google Group. Posting topics range from reports on the weekly 20-meter HF net to requests for help and advice with equipment. Signing up for membership is easy; just send a request for an invitation to join to w6pw@googlegroups.com.

Tell Us A Bit About Yourself

This club is your club, and we want to know who you are! Whether you're new to the club, or have been a member for many years, we'd like to get a brief bio from you to include in an upcoming issue of Nuts & Volts. This is a great way to tell those other club members who might not know you too well a little about yourself.

Aside from the basics, (name, call sign, license level, length of time in club, etc.) tell us whatever else you'd like to share: what got you into being a ham in the first place, what your special interests are, what your most memorable ham experience is, if there is some particular way that you're available to lend a hand to other hams who need help, or anything, really. If you have a picture of yourself to send along, that would be great! Please submit your information to Eric, the newsletter editor, at k6elw@hotmail.com. (Bios may be edited for length and content before being published.)

Holiday Party Photos (December 18th 2011)



12 STORE BUYING POWER



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

ANAHEIM, CA
(Near Disneyland)
933 N. Euclid St., 92801
(714) 533-7373
(800) 854-6046
Janet, KL7MF, Mgr.
anaheim@hamradio.com

BURBANK, CA
1525 W. Magnolia Blvd, 91506
(818) 842-1786
(877) 892-1748
Eric, K6EJC, Mgr.
Magnolia between
S. Victory & Buena Vista
burbank@hamradio.com

OAKLAND, CA
2210 Livingston St., 94606
(510) 534-5757
(877) 892-1745
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SAN DIEGO, CA
5375 Kearny Villa Rd., 92123
(858) 560-4900
(877) 520-9623
Jose, XE2SJB, Mgr.
Hwy. 163 & Claremont Mesa
sandiego@hamradio.com

SUNNYVALE, CA
510 Lawrence Exp. #102, 94085
(408) 736-9496
(877) 892-1749
Jon, K6WV, Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE
(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Chuck, N1UC, Mgr.
RT.13 1/4 mi., So. I-295
newcastle@hamradio.com

PORTLAND, OR
11705 S.W. Pacific Hwy.
97223
(503) 598-0555
(800) 765-4267
Bill, K7WCE, Mgr.
Tigard-99W exit
from Hwy. 5 & 217
portland@hamradio.com

DENVER, CO
8400 E. Iliff Ave. #9, 80231
(303) 745-7373
(800) 444-9476
John, W0JG, Mgr.
denver@hamradio.com

PHOENIX, AZ
10613 N. 43rd Ave, 85029
(602) 242-3515
(800) 559-7388
Gary, N7GJ, Mgr.
Corner of 43rd Ave & Peoria
phoenix@hamradio.com

ATLANTA, GA
6071 Buford Hwy., 30340
(770) 263-0700
(800) 444-7927
Mark, KJ4VO, Mgr.
Doraville, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBIDGE, VA
(Near Washington D.C.)
14803 Build America Dr. 22191
(703) 643-1063
(800) 444-4799
Steve, W4SHG, Mgr.
Exit 161, I-95, So. to US 1
woodbridge@hamradio.com

SALEM, NH
(Near Boston)
224 N. Broadway, 03079
(603) 898-3750
(800) 444-0047
Peter, K1IM, Mgr.
sales@hamradio.com
Exit 1, I-93;
28 mi. No. of Boston
saalem@hamradio.com

KENWOOD



TS-2000 HF/VHF/UHF TCVR

- 100W HF, 6M, 2M • 50W 70CM
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- Built-in TNC, DX packet cluster
- IF Stage DSP • Backlit Front Key Panel

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- FM, AM, SSB
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VX-8DR/VX-8GR

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- 5w (1w 222 Mhz VX-8DR only)
- Bluetooth optional
- waterproof/submersible
- 3 ft 30 mins
- GPS/APRS operation optional
- Li-ion Hi-capacity battery
- wide band Rx



FT-857D

- Ultra compact HF, VHF, UHF
- 100w HF/6M, 50w 2M, 20w UHF
- DSP included • 32 color display
- 200 mems • Detachable front panel (YSK-857 required)

Call for Low Price!



FT-2000 HF + 6M tcvr

- 100 W w/ auto tuner
- built-in Power supply
- DSP filters / Voice memory recorder
- 3 Band Parametric Mic EQ
- 3 IF roofing filters

Call Now For Low Pricing!

REMOTE RIG



RRC-1258 MkII-Set



This set of interfaces allows remote control of your Amateur Radio Station via Internet in a user-friendly and cost effective way!

RemoteRig gives you control of the radio coupled with crystal clear TX & RX audio and sending CW with your own Paddle!

Works with all Computer-controllable radios from:
Alinco - Elecraft - ICOM - Kenwood - Yaesu

For radios with detachable front panels
no PC is required for:

TS-480HX/SAT; TS-2000 (RC-2000 req'd); IC-703/Plus
IC-706 series; DX-SR8T; IC-2820H; IC-R2500

Just simply insert your control box in place of your front panel interconnect cable, place the body of the radio on the remote end and you are on the air as if you are there!

Extra Controller and Remote interface units sold individually for multiple sites/users.

Available exclusively from all HRO Locations!

ALINCO



DJ-67T 2m/440/1.2 Triband HT

- Full duplex any two bands
- Internal VOX
- CTCSS/DCS + Tone scan built-in
- Hi-capacity Li-Ion battery
- 1000 Memories

Low Pricing!



DR-135TP 2M mobile

- 50 Watt out • Alpha numeric display
- 100 mems • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS in • Rear DB-9 port
- CTCSS/DCS Encode/Decode built in

Low Pricing!

VE Exams

Upcoming ARRL VE Test Sessions

Below is a list of test sessions within 100 miles of San Francisco.
For details on any test sessions listed below, go to the ARRL's website: <http://www.arrl.org/finding-an-exam-session>

01/14/2012 | Benicia CA 94510-3141

Sponsor: Benicia ARC

Location: Benicia Fire Station

Time: 9:00 AM (Walk-ins allowed)

01/14/2012 | Fremont CA 94539-7654

Sponsor: TriCity VE Group

Location: Hurricane Electric

Time: 9:00 AM (Walk-ins allowed)

01/14/2012 | Petaluma CA 94954-3677

Sponsor: Sonoma Mtn Repeater Society

Location: Petaluma Citizen Center

Time: 1:00 PM (Walk-ins allowed)

01/15/2012 | Stockton CA 95209-4158

Sponsor: Stockton ARRL VE Group

Location: Fire Company #14

Time: 10:00 AM (No walk-ins)

01/17/2012 | Napa CA 94558-6242

Sponsor: SARS

Location: Napa Memorial Park

Time: 6:00 PM (No walk-ins)

01/21/2012 | Carmichael CA 95608-6613

Sponsor: Un-sponsored

Location: Carmichael Elks Lodge

Time: 7:00 AM (Walk-ins allowed)

01/21/2012 | Oakley CA 94561-9999

Sponsor: Church of Jesus Christ of LDS

Location: Church of Jesus Christ of LDS

Time: 1:00 PM (Walk-ins allowed)

01/21/2012 | Saratoga CA 95070-5953

Sponsor: Silicon Valley VE Group

Location: Saratoga Fire Station

Time: 8:00 AM (Walk-ins allowed)

01/21/2012 | Stockton CA 95209-4158

Sponsor: Stockton ARRL VE Test Group

Location: Stockton Fire Station Company 14

Time: 10:00 AM (No walk-ins)

01/22/2012 | Oakland CA 94612-1328

Sponsor: ORCA/EBARC/ARCA

Location: Oakland Fire Station 1

Time: 9:00 AM (Walk-ins allowed)

01/29/2012 | Mountain View CA 94040-3063

Sponsor: CenCal Adv VE Team

Location: Mt. View SDA Church

Time: 11:00 AM (No walk-ins)

02/04/2012 | Saratoga CA 95070-5953

Sponsor: Silicon Valley VE Group

Location: Saratoga Fire Station

Time: 8:00 AM (Walk-ins allowed)

02/12/2012 | San Francisco CA 94142-9999

Sponsor: SF AERO

Location: Jewish Community Center of SF

Time: 8:45 AM (Walk-ins allowed)

02/14/2012 | Fremont CA 94539-7654

Sponsor: TriCity VE Group

Location: Hurricane Electric

Time: 6:30 PM (Walk-ins allowed)

02/16/2012 | Santa Rosa CA 95401

Sponsor: Sonoma Mtn Repeater Soc

Location: American Red Cross

Time: 1:00 PM (No walk-ins)

02/18/2012 | Carmichael CA 95608-6613

Sponsor: Un-sponsored

Location: Carmichael Elks Lodge

Time: 7:00 AM (Walk-ins allowed)

02/18/2012 | Saratoga CA 95070-5953

Sponsor: Silicon Valley VE Group

Location: Saratoga Fire Station

Time: 8:00 AM (Walk-ins allowed)

02/18/2012 | Stockton CA 95209-4158

Sponsor: Stockton ARRL VE Test Group

Location: Stockton Fire Station Company 14

Time: 10:00 AM (No walk-ins)

02/19/2012 | Stockton CA 95209-4158

Sponsor: Stockton ARRL VE Group

Location: Fire Company #14

Time: 10:00 AM (No walk-ins)

03/10/2012 | Fremont CA 94539-7654

Sponsor: TriCity VE Group

Location: Hurricane Electric

Time: 9:00 AM (Walk-ins allowed)

03/10/2012 | Petaluma CA 94954-3677

Sponsor: Sonoma Mtn Repeater Society

Location: Petaluma Citizen Center

Time: 1:00 PM (Walk-ins allowed)

03/11/2012 | San Francisco CA 94121-1818

Sponsor: SFARC

Location: San Francisco Veteran's Admin Medical Center

Time: 8:30 AM (Walk-ins allowed)

03/17/2012 | Carmichael CA 95608-6613

Sponsor: Un-sponsored

Location: Carmichael Elks Lodge

Time: 7:00 AM (Walk-ins allowed)

2012 MEMBERSHIP APPLICATION

Note: 2011 membership expired December 31st of 2011.

Information on your application will be reprinted and distributed on a roster sheet, unless you advise us beforehand of any information you don't want published by checking on the line in question.

THIS IS FOR : Date ___/___/___
 NEW MEMBERSHIP
 MEMBERSHIP RENEWAL
 (Member in 2011)

Are you an ARRL Member? YES NO
Do you want your monthly newsletter delivered:
 via email OR via US mail

Name _____
 Address _____
 Home Phone (____) ____-_____
 Work Phone (____) ____-_____

Callsign (if any) _____
 City _____ State ____ Zip _____
 Email : _____
 Oth. Phone (____) ____-_____

Extra membership for immediate members of your household is \$3.00 per person. You will receive one copy of NUTS & VOLTS for the household.

Spouse's Name _____
 Work Phone (____) ____-_____
 Other Phone (____) ____-_____

Callsign (if any) _____
 Email : _____
 ARRL member? YES NO

Oth. Hshld Mbr's Name _____ Callsign (if any) _____
 Work Phone (____) ____-_____ ARRL Member? YES NO New Member? YES NO
 Other Phone (____) ____-_____ Email : _____

DUES SCHEDULE FOR 2012

Single Licensed Member : Includes our club newsletter	\$25.00	\$ _____
Add \$3.00 extra <u>per household club member</u> sharing 1 newsletter		_____
Single <u>Unlicensed</u> Member : Newsletter, but no voting	\$20.00	_____
Youth Membership: 18 or younger, Voting, Newsletter via email	\$10.00	_____
Voluntary Contributions:	For Repeater W6PW / R	_____
(Please help! Any contribution helps)	For Field Day Fund	_____
Want an S.F.A.R.C. Patch?	They're \$5.00 each	_____
Want an S.F.A.R.C. Name badge?	They're \$15.00 each	_____
Badge Name _____		
Badge Callsign _____	<u>TOTAL</u>	\$ _____

YOU ARE APPLYING FOR NEW MEMBERSHIP IF YOU DO NOT CHECK RENEWAL BOX ABOVE. PAYING DUES IS NOT AUTOMATIC MEMBERSHIP. YOUR NAME IS PUBLISHED IN NUTS & VOLTS. YOU MAY BE INTERVIEWED BY THE MEMBERSHIP COMMITTEE, THEN VOTED ON BY THE GENERAL MEMBERSHIP. KNOWINGLY ANSWERING ANY QUESTIONS FALSELY IS GROUNDS FOR DENIAL OF MEMBERSHIP.

Please make check payable to "The San Francisco Amateur Radio Club" and bring it with this application to the next general meeting, or mail both to:

SAN FRANCISCO AMATEUR RADIO CLUB
2165 FILBERT STREET, SUITE 300
SAN FRANCISCO, CA 94123-3412

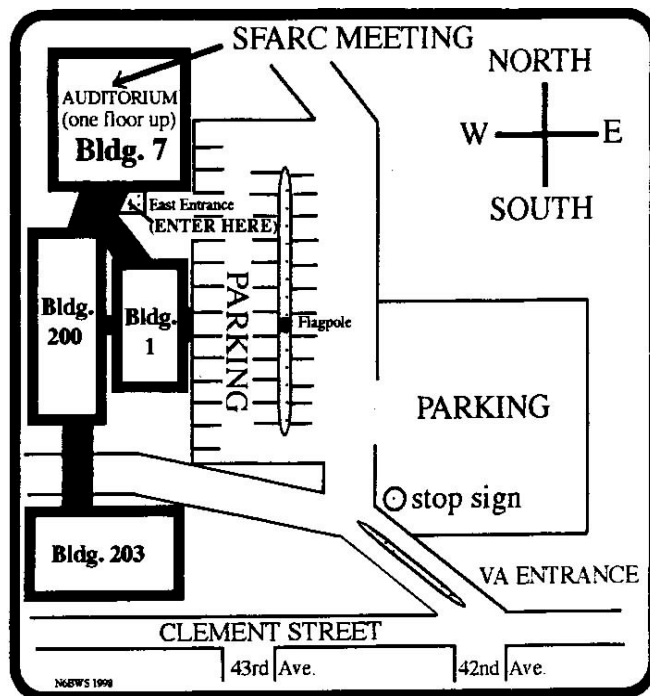
"Nuts & Volts" is the monthly newsletter of the San Francisco Amateur Radio Club, Inc. A 50 word, or less, non-commercial ad is free to members. Commercial rates per issue: Full Page \$25, 1/2 Page \$20, 1/4 Page \$15 (Members 10% less). Articles in N & V may be reprinted, provided a credit line is given to the S.F.A.R.C.

Club Meetings: Every third (3rd) Friday monthly, except December (club holiday dinner), at 8 p.m., in Bldg. Seven (7), one floor up, at the rear of the Veteran's Administration Medical Center Auditorium, 42nd Ave. and Clement St., in the Richmond District of San Francisco. See map at right. All friends of the club, members or not, licensed or not, any age or gender, are welcome to attend.

Club Net: All "friends of the club" (members or not) can check in on the W6PW repeater net, every Monday night, 8 p.m., on 145.15 Mhz (-600). PL tone of 114.8. We also have an informal HF net that meets at 7 pm Wednesday at 14.340 Mhz. All hams, members or not, are invited and welcome to check-in and listen or participate

SFARC Website: <http://www.sfarc.org>

Emergencies: If the repeater is down, use 145.15 Mhz (SIMPLEX) for emergency transmissions **ONLY!** Listen **ONLY** if you're not reporting any emergency traffic. The Red Cross Mass Care Shelter Frequency is 147.420 Mhz (simplex).



2012 OFFICERS:

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VICE PRESIDENT:

Nick Powell NF1P nfpowell@gmail.com

SECRETARY:

Cathy Peterson KG6QDJ catherine.peterson@astound.net

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Peter McElmury KI6NYQ sfpete415@hotmail.com

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ADDRESS CORRECTION REQUESTED

FIRST CLASS MAIL

TO: