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# THE COASTSIDE COMMUNICATOR

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WWW.COASTSIDEARC.ORG

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## PRESIDENT'S COLUMN

Greetings,

First the sad news; On the February 22<sup>nd</sup>, Wednesday Night Check-in, Frank announced that Roger Quayle, NZ6RQ, had recently become a Silent-Key. Roger was an intelligent and talented person. Roger will be missed by many.

The January Meeting was a planning session, and we came up with a few possible field trips.

Casey, N6TZE, suggested that we go to the March 8<sup>th</sup> De Anza Swap Meet in mass, followed by breakfast at a local restaurant. This would be an early start, so we reach the Swap Meet at about 6:00 am.

Roy, NE6MNJ, had two ideas: a trip to the Red Oak Victory, a Victory Ship in Richmond; and a trip to the California Historical Radio Society Museum in Berkeley. If you followed the email, the trip to the CHRS Museum happened on February 1<sup>st</sup>, because the Museum has to move. There will be more information on the trip to the Red Oak Victory later.

Mary Ellen, AJ6J, has offered to take on the position of Secretary again this year. I think all we need is a nomination and vote at the February Meeting to make it official. Thank-you Mary Ellen.

I hope to see you at the meeting.

73... Walt-KG6EDY

## JANUARY MINUTES

The January 8, 2014 meeting was called to order at 7:36 p.m. by our club president Walt Long-KG6EDY at the Linda Mar Fire Station in Pacifica. Self-introduction by the members followed.

No corrections to the minutes were noted. It was moved by David Rinck-K6DMR to approve the minutes as published in the Coastside Communicator. The motion was seconded by Ed Freeman-KD6TWK and passed unanimously by the membership present.

### *TREASURER'S REPORT*

Club Treasurer Frank Erbacher-N6FG read the report of the Club's financials: \$1,330 in the General Fund; \$6,227 in the Repeater Fund; \$866 in the Digipeater Fund and \$7,340 in the EOC/Public Service Fund. These individual fund totals add up to a club total of \$15,954.

Frank reported that \$28 was paid for mailing and publication of the Coastside Communicator newsletter. The Postal Box was renewed for \$124.

## COMMUNICATIONS

Frank reported that the November US Bank statement was received, as well as the SFARC November newsletter and the November Short Skip from Santa Cruz.

## MEMBERSHIP

Membership stands at 77 for 2013-2014 new members' renewals and those who are paid up thru March.

In January, we had a new member join, Lucas Ford-W6EAR formerly KK6DYI/KJ6VYJ.

## *COMMITTEE REPORTS*

### REPEATER

Dave-K6DMR reported that the UHF repeater is now working. Dave and Casey-N6TZE made a trip up the repeater site and replaced the UHF exciter and removed the UHF power amplifier. It was requested to reimburse Dave \$10 for fuel expenses.

### AUTOPATCH

Operational

### DIGIPEATER

No report

### APRS

Operational

### EMERGENCY SERVICES

No report

### FIELD DAY

No report

### FOG FEST

No report

### NEWSLETTER

Published

### WEBSITE

Operational. Casey noted that our web hosting is up for renewal in March. Casey will provide the exact cost breakdown next month.

### BYLAWS

It was reminded that an hour has been set aside at the February 2014 Club meeting in order to complete the Bylaws review process in preparation for then mailing the proposed new bylaws to the membership for a vote.

**UNFINISHED BUSINESS**

No report

**NEW BUSINESS****List of Proposed Activities for 2014**

- PARCA Bike-A-Thon: Communications support June 28<sup>th</sup>
- Pizza Meeting.
- Junk/Homebrew Night.
- Visit KRE Studios/California Historical Radio Society and Swap Meet.
- Red Oak Victory Ship-Richmond.

**MOTION TO ADJOURN**

At 7:48 p.m. it was moved by Dave Lawrence-KF6TWW, seconded by Casey-N6TZE and unanimously passed by the membership that the meeting be adjourned so that the Holiday Potluck could be enjoyed by all.

**PRESENT AT THE MEETING**

The following Life Member has become a Silent Key:  
Roger Spindler-WA6AFT.

**Officers:** President: Walt Long-KG6EDY; Vice-President: Ralph Bailey-K6DLZ; Treasurer: Frank Erbacher-N6FG

**Members:** Cheryl Crofts-KJ6RNK, Roy Brixen-KE6MNJ, Gary Barnes-KI6HIG, Ed Freeman-KD6TWW, Audrey Villyard-WA2KPS, Casey Villyard-N6TZE, Joshua Villyard-N6TZF, Carmel Gallagher-KJ6ERS, and David Rinck-K6DMR

**NEWS****ROGER QUAYLE-NZ6RQ SILENT KEY**

Roger was from New Zealand and was first licensed there in 1978. He held the call sign ZL2BHW since 1980. He lived in California from 1996 to 2013 using the call sign NZ6RQ. He was actively remodeling his home in Burlingame until its sale last year. He was also supervising the total remodel of a home along the beach in Raumati Beach, NZ, using phone and TV cameras he had set up there. He and his wife Shirley moved

into that home last year, living in it for its final touch ups. His remodel included all the necessary accommodations for Amateur Radio including conduits for present and future plans. Out of respect for his neighbors area view, his radio antennas were virtually stealth. He chose the building code option for fire protection that also required an emergency generator which he sized for Amateur use also.

Roger joined the CARC in 2012 and actively participated in our Club's meetings and activities when available from his many business travels. He volunteered a very quiet generator he had built upon a trailer for our CARC 2012 Field Day and helped with that FD setup and take down.

Roger was the Chief Technology Officer, CTO, of various companies including General Dynamics Broadband. He led technical marketing, and strategy for new markets and technologies such as mobile satellite. He co-founded IP Wireless (now GD Broadband). He worked with Qualcomm leading that company's successful effort to standardize CDMA 450 technology in Europe. His other positions included Chief Technology Officer at International Wireless Communications, Inc., an owner of cellular operators in Asia; and General Manager of Technology and Business Development at BCL in New Zealand. Earlier in his career, Roger was the founder and CEO of Datacom Equipment Ltd. in New Zealand.

He and Shirley have three adult children and a number of grand children. He spoke proudly of his family.

Shirley said that when Roger passed away in mid January he was in his room looking at his ham shack, his antennas and that wonderful ocean view. He will be missed by many.

CUL Roger!

Frank-N6FG

**ARRL UPDATE****ARRL DEBUTS "ARRL AT 100" VIDEO**

As part of its Centennial celebration, the ARRL has debuted a video, "ARRL at 100 -- A Century of Ham Radio," which explains the League's history and mission over the past century. Past ARRL Manager for Media and Public Relations Allen Pitts, W1AGP, wrote and produced the half-hour presentation. It is available for club meetings and other gatherings. Pitts said he got started on the project about a year ago with a personal study of the League's history.



"Using books, old QSTs, and documents stored in Newington as sources, I eventually created a 28 foot long timeline that rolled across my office floor," he recalled. "This

paper roll was then posted in the main hallway, where staff and visitors were invited to write comments and additional events on it."

Last fall, the unwieldy roll was transformed into a more permanent graphic banner that became the basis for the new timeline booklets. These will be freely available at major Centennial conventions in 2014.

**ARRL Update Cont.**

Pitts said he realized that the timeline held an interesting storyline about the ARRL and its protection of Amateur Radio for 100 years, and he decided the next step would be to use it as the basis for scripting a video. "Unlike the classic 'Amateur Radio Today,'" Pitts said, "this new video would not be hampered by any TV broadcast restrictions, so it was made to fit into a 30 minute time slot." Al Petruni, KA1TCH, of The New Day Group was chosen for the video production. Securing a "personality" to host the video turned out to be easier than it first seemed.

"After inquiries to professional television personalities, it was apparent that the budget could not meet their expense requirements," Pitts explained.

As it happened, a host was right at hand, as QST Managing Editor Becky Schoenfeld, WIBXY, stepped forward. "Once again an amateur did excellent professional-grade work," Pitts said. "Becky had done a fair amount of stage work in the past and absolutely lights up the video with her knowledge of ham radio and obvious true interest in the topic. We couldn't be happier."

Pitts solicited brief "I am the ARRL" cameo clips from around the country and included these along with impromptu clips taken at hamfests.

Pitts feels the video represents some of the best script writing he's ever done, "but then, it is one of the best stories I have ever found," he added. "We often say 'If not for the ARRL we would not have ham radio as we know it,' but few people know how very true that is and how close we came on several occasions to not having ham radio."

Pitts credited Petruni's ability to quickly understand "the visions I had in my head for many video shots. Better yet, he was excellent at putting people at ease in front of the camera - - and we had a lot of people."

First to view the video was the ARRL Board of Directors at its annual meeting earlier this month. "Since then it has already received many compliments from hams and professional videographers," Pitts said.

The video can be seen and/or downloaded from the ARRL website and viewed on YouTube. ARRL Debuts "ARRL at 100" VideoDVDs are for sale from the ARRL online store. ARRL Directors and Section Managers received courtesy copies of the DVD and booklets.

If you have the ability to show the DVD on a TV or cable outlet, contact Media and Public Relations Manager Sean Kutzko, KX9X, for special DVDs or extra high-resolution files.



Cover of the June 1916 QST, which featured an article "Wireless and the Aeroplane."

**A CENTURY OF AMATEUR RADIO AND THE ARRL**

During 1916, the art and science of radio advanced by leaps and bounds. The oscillating Audion was the subject of experimentation by professional and Amateur Radio operators, and receiving performance was much advanced by the end of 1916.

The ARRL continued to grow. Comments from members and QST subscribers lauded the magazine. One lovely bit of praise said, "Your QST received and I think it is all to the mustard." The first QST article by "The Old Man" appeared in the January 1916 issue.

Hiram Percy Maxim proposed trunk lines across the country for relaying messages methodically (QST, Feb 1916), and they soon went into operation. The League and its relay stations showed skeptical government officials that amateurs could efficiently relay messages. A Washington's Birthday message that originated at Rock Island Arsenal was relayed by many hams, and was delivered to various mayors and governors all across the country.

Thoughts soon turned to mating two exciting new technologies -- "Wireless and the Aeroplane" (QST, Jun 1916). Also by this time, *The Lynn News* in Massachusetts was providing baseball scores to a local amateur to be broadcast over his station's 30 mile radius. Radio was grabbing the public's attention.

In mid-1916, with World War I in progress but the US not yet involved, the president called out the National Guard in all States. The Army and amateurs began to discuss ways that portable amateur stations could be quickly loaded onto Army trucks and transported to points where it needed communication. David Moore, 1ZZ, a member of the Connecticut National Guard, was called up for that service. Moore had been one of the ARRL's original Governors.

**AMATEUR RADIO SHOWING STEADY GROWTH IN THE US**

The Amateur Radio population in the US continues to show steady growth, according to statistics compiled by Joe Speroni, AH0A. As of the end of 2013, the FCC database showed 717,201 licenses in its Universal Licensing System (ULS). That's the greatest number of US hams ever, and it's up from 709,575 in December 2012. The volume of Amateur Radio applications slowed somewhat to 141,943 from its zenith of 176,826 in 2007, the year the FCC dropped the Morse code requirement.

"The three current license classes also peaked at the end of 2013," notes ARRL VEC Manager Maria Somma, AB1FM. "FCC-issued club station licenses are also at an all-time high in the FCC database at 11,363. The number of new licensees has increased by 7 percent over last year -- 28,886 in 2013 and 27,082 in 2012."

The breakdown by license class shows Technicians as the largest group, at 349,163, followed by Generals at 167,257, Amateur Extras at 133,391, and Advanced licensees at 54,293. Slightly more than 13,000 Novice licensees remain on record too. The FCC no longer issues the Novice or Advanced

**ARRL Update Cont.**

class license. Technician numbers have grown by 8.2 percent over the past decade, with an impressive comeback since 2007 after the population had plummeted from a peak of 338,334 in March 2000. The General class population has risen by slightly more than 18 percent over the past 10 years. But the Amateur Extra class has shown the *most* remarkable growth over the past decade, climbing by slightly more than 27 percent.

While Amateur Radio application volume slipped somewhat overall, that was not the case at the ARRL VEC. "ARRL VEC served 34,896 exam applicants in 2013, up slightly from 32,866 in 2012," Somma said. "July will mark 30 years that ARRL VEC has been certified by the FCC to administer Amateur Radio exams. We're delighted to celebrate our important milestone in the same year as the ARRL's Centennial celebration and look forward to the promise of another record year."

### ALEXANDERSON ALTERNATOR TRANSMISSION FROM SAQ IN SWEDEN HEARD IN US

Nearly 300 listeners -- most in Europe, but some in the US -- reported hearing the 17.2 kHz CW transmission from the SAQ Alexanderson alternator transmitter in Grimeton, Sweden, on Christmas Eve 2013.



An operator at SAQ makes a transmission via the Alexanderson alternator in Grimeton, Sweden.

[World Heritage Grimeton photo]

That's 50 more reports than in 2012.



An Alexanderson alternator. [World Heritage Grimeton photo]

The reports included three from the US. Listeners in Germany filed the most reports -- 116.

Dating from the 1920s, the SAQ Alexanderson alternator -- essentially an ac generator run at extremely high speed -- can put out 200 kW but typically is operated at less than one-half that power level for demonstrations. Once providing

reliable transatlantic communication, it is now a museum piece and only put on the air for special occasions.

The transmitter was developed by Swedish engineer and radio pioneer Ernst Alexanderson, who was employed at General Electric in Schenectady, New York, and was chief engineer at the Radio Corporation of America.

Six 400+ foot towers with 150 foot crossarms support a multi-wire antenna for SAQ. The actual signal radiates from a vertical wire, one from each tower. Amateur Radio station SK6SAQ operates from the Alexanderson alternator site.

The next SAQ transmission is set for Alexanderson Day, June 29, 2014, 1000 to 1600 CET. Contact World Heritage Grimeton for more information.

### ANTIQUA RADIO CLASSIFIED TO RESUME MONTHLY PUBLICATION

Antique Radio Classified (ARC) magazine has announced that it will resume monthly publication starting with the February 2014 issue, but with some changes. ARC has not produced a new issue for nearly a year.

"The antique radio community as well as the magazine publishing market is changing," said ARC Publisher Jon Kummer, WA2OJK, "and we are changing what we do and how we do it..." Effective with the February 2014 issue, ARC will become a monthly online publication, while the print edition will become a quarterly compilation of the previous three digital issues, with all articles and advertisements intact. "The cost to print and mail the magazine has risen over the years," Kummer said, "but the revenue from subscribers and advertisers has not, and therefore we must find a compromise."

All current subscribers will receive the number of monthly print issues that they subscribed to -- with future issues arriving each month via the web, and a print compilation each quarter by mail.





# FIELD TRIP PICTURES

FROM THE BIRTHPLACE OF BROADCASTING

## CALIFORNIA HISTORICAL RADIO SOCIETY

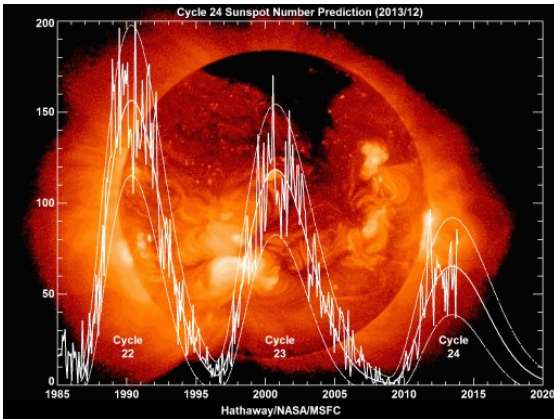
HOME OF THE BAY AREA RADIO MUSEUM & HALL OF FAME



Photos by Casey- N6TZE



## SOLAR UPDATE



Tad Cook, K7RA, Seattle, Washington, reports: Another week of solar ambiguity, with sunspot numbers down, but solar flux up. Average daily sunspot number declined from 113.3 to 101.4, but average daily solar flux moved from 133.4 to 142.9.

The latest prediction has solar flux at 155 on January 30-31, 150 on February 1-2, 155 on February 3-5, 160 on February 6, 200 on February 7-8, then 180, 170 and 150 on February 9-11, 130 on February 12-13, 125 on February 14-15, 130 on February 16-17, and 135 on February 18-22.

Predicted planetary A index is 8, 12 and 8 on January 30 through February 1, 5 on February 2-6, 8 on February 7-8, 5 on February 9-16, 8 on February 17-18, and 5 on February 19-22.



## NAME THAT RIG!



*Each month I'll try to post a different radio for you to name.  
Best of Luck! Winners get "Bragging Rights"  
Last month's rig: Utah UAT-1*

## COMING EVENTS

**CERT Training – North County Fire Authority**  
See <http://www.northcountyfire.org> for more info.

**CERT Training – San Mateo County**  
See <http://www.smcready.org/Community/Training.html> for more info.

**QCWA NorCal Chapter 11 - Lunch at Harry's Hofbrau**  
3<sup>rd</sup> Wednesday of every month  
1909 El Camino Real Redwood City, CA.  
No host. 11:00AM to 1:00PM (approx).

**ASVRO Silicon Valley Electronics Flea Market**  
2<sup>nd</sup> Saturday of each month from March through October.  
De Anza College in Cupertino, CA. 7AM to noon  
Web Page: <http://www.electronicfleamarket.com/>  
Talk-In: W6ASH 145.27- (100Hz PL)  
N6NFI 145.23- (100Hz PL)

### LICENSE EXAMS

#### AERO-Auxiliary Emergency Radio Organization

Contact: Dave Gomberg  
Phone: (415) 731-7793  
Email: [dave1@wcf.com](mailto:dave1@wcf.com)  
Web Page: <http://www.wcf.com/aero/exams/>  
When: (see webpage for details)  
Location: Jewish Community Center  
3200 California Street at Presidio Avenue  
San Francisco CA

#### Bay Area Educational Amateur Radio Society

Offering a one day study session for Technician or General theory, followed by testing. Fee: \$30.00  
When: (see webpage for details)  
Registration required, class size is limited.  
Web Page: <http://www.baears.com/> for info and registration.  
Questions: Ross Peterson (650) 349-5349 or [wb6zbu@arrl.net](mailto:wb6zbu@arrl.net)

#### Silicon Valley Volunteer Examiner Group

First and third Saturdays of each month, 8AM-11:00AM.  
Saratoga Fire Station 14380 Saratoga Ave, Saratoga, CA  
Fee: \$15  
Walk-ins only, No pre-registration  
E-mail: [mojoteri@comcast.net](mailto:mojoteri@comcast.net)  
Phone: (408) 507-4698 (Morris Jones- AD6ZH)  
Web Page: <http://www.svve.org>

#### Sunnyvale VEC Exam Sessions

Fee: \$15 Cash  
Cut-off-time, 30 min. after starting time.  
Exam: changes, directions, call (408) 255-9000 24/hr  
E-mail: [wb6imx@worldnet.att.net](mailto:wb6imx@worldnet.att.net)  
Web Page: <http://www.amateur-radio.org>

Sat	Feb 8 <sup>th</sup>	Sunnyvale, CA	10:30	AM
Sat	Feb 15 <sup>th</sup>	Redwood City, CA	10:30	AM



**Online Practice Exams**

Within the practice tests, online study resources, (Wikipedia, NASA, ARRL, etc.), are provided for many of the questions. The list of resources available for each question is constantly growing because users can add their own favorite links to the study materials. Users can also track their test scores over time and see which sub-elements are giving them the most trouble.

Practice Tests:<http://copaseticflow.blogspot.com/>

**CARC MEETING/EVENT SCHEDULE**

Jan 8 <sup>th</sup>	2013 Agenda Planning, LM Fire Station
Feb 12 <sup>th</sup>	2013 Agenda Finalizing/Bylaws LM Fire Station
Mar 12 <sup>th</sup>	Meeting Night , LM Fire Station
Apr 9 <sup>th</sup>	Meeting Night , LM Fire Station
May 14 <sup>th</sup>	Meeting Night , LM Fire Station
Jun 11 <sup>th</sup>	Field Day Planning Mtg, LM Fire Station
Jun 28-29	CARC Field Day, Sweeney Ridge
Jul 9 <sup>th</sup>	Field Day Wrap-Up Mtg, LM Fire Station
Aug 13 <sup>th</sup>	Meeting Night , LM Fire Station
Sept 10 <sup>th</sup>	Meeting Night , LM Fire Station
Sept 27-28	Pacific Coast Fog Fest, Pacifica
Oct 8 <sup>th</sup>	2014 Officer Nominations, LM Fire Station
Nov ?	Election Dinner
Dec 10 <sup>th</sup>	Holiday Potluck Dinner Meeting, LM Fire

? to be determined # updated ---- canceled \* tentative date



[www.smcready.org](http://www.smcready.org)



**In Memoriam**



**Roger G. Spindler-WA6AFT/SK**

**THE COASTSIDE AMATEUR RADIO CLUB**

The Coastsides Amateur Radio Club (CARC) is affiliated with ARRL, and meets the second Wednesday of each month at 19:30 hrs. in the Linda Mar Fire Station Community Room, on Linda Mar Blvd. in Pacifica. Visitors are welcome.

The CARC has been organized since 1959, serving Bay Area amateurs, and providing emergency communications services to the City of Pacifica. Membership dues are \$20.00 per year for the administration of the Club and the publication of the Communicator.

CARC supports two repeaters, WA6TOW/R (VHF and UHF); a Packet Digipeater, WA6TOW-1; and an APRS Digipeater, WA6TOW-2. Users of the machines provide repeater support and maintenance strictly through donations.

**VHF: 146.925 MHz –offset 600 KHz PL 114.8**  
**UHF: 441.075 MHz +offset 5 MHz PL 114.8**

**PL Tone: 114.8 Hz** is used on both repeaters, as needed, for noise suppression.

**Packet Digipeater: 145.050 MHz, Packet Node: PAC**  
**APRS Digipeater: 144.390 MHz.**

**CARC/Pacifica OES VHF Simplex: 146.535 MHz**  
**PL Tone: 114.8 Hz** is used, as needed, for noise suppression

**VHF Net**

The club sponsors a VHF net each Wednesday, with the exception of meeting nights, at 21:00 hrs. for membership check-ins, notices, and QST's. Note: The WA6AFT repeater on 440.725 MHz may be used as an alternate if the WA6TOW repeater is down.

**HF Net**

The club sponsors a HF rag chew net on 3.852 MHz, or the first clear frequency up/dn, on Saturday at 09:00 hrs. with an alternate frequency of 7.228 MHz.



The Coastsides Communicator is a monthly publication of the CARC. All articles contained herein are the opinions of the authors and not necessarily those of the club members or editor.

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**CARC, P.O. Box 1106, Pacifica, CA 94044**

*55 Years*



*of Service*

*45 Years*



*Affiliation*

## COASTSIDE NETS

### Monday

07:30 PM on WA6TOW  
146.925 MHZ, PL 114.8  
San Bruno ARC Net

### Tuesday

7:30 PM on WA6TOW  
146.925 MHZ, PL 114.8  
Daly City ARES Net

8:00 PM on WA6TOW 146.925 MHZ,  
PL 114.8 and KC6ULT 146.865 MHZ,  
PL 114.8 simultaneously, but not  
linked. San Mateo County ACS Net

### Wednesday

9:00 PM on WA6TOW  
146.925 MHZ, PL 114.8  
Coastside Amateur Radio Club  
Wednesday Night Check-in.

### Saturday

9:00 AM on 3.852 MHz, or the first  
clear frequency up/dn.  
(alt freq of 7.228 MHz.)  
Coastside Saturday Morning Group.

10:00 AM on WA6TOW  
146.925 MHZ, PL 114.8  
QCWA Ch. 11 NorCal. Net

### Sunday

7:00-7:30 AM on WA6TOW  
146.925 MHZ, PL 114.8  
Knights of the Megahertz Net

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Walt Long	KG6EDY	(650) 467-6990	kg6edy@arrl.net
V. President	Ralph Bailey	K6DLZ	(650) 341-6236	kc6dlz@aol.com
Secretary	<i>Position Open</i>			
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
Control Operator	David Rinck	K6DMR	(650) 359-8997	k6dmr@arrl.net
Emergency Services	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Field Day	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Membership	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Newsletter Editor	David Rinck	K6DMR	(650) 359-8997	k6dmr@arrl.net
Newsletter Publisher	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Station Technician	Michael Herbert	WB6JKV	(650) 355-6541	wb6jkv@pacbell.net
Trustee of Club Call	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Website	Scott Mercer	KI6SEJ	-	ki6sej@arrl.net



**MEETING  
NOTICE:**

**FEBRUARY 12<sup>TH</sup>  
LINDA MAR FIRE STATION  
PACIFICA, CA  
7:30PM**

**2014 AGENDA FINALIZING &  
BYLAWS MEETING**

## COASTSIDE COMMUNICATOR

DAVID RINCK, EDITOR  
P.O. BOX 1106  
PACIFICA, CA 94044

FIRST CLASS

TO:

