



THE COASTSIDE COMMUNICATOR

VOL. 41, No. 8

AUGUST 2009

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

I hope everyone had a good Independence Day, I did.

July 30th will be our 6th meeting for CERT communications coordination at the Beresford Recreation Center. We are going to see if all agencies will accept the draft version of the frequency assignments. Remember that these frequencies are not set in stone.

CERT training will start anew on September 1st to October 20th on Tuesday evenings from 6:30 to 9:00 pm at the Doelger Center, room 5, 101 Lake Merced Blvd. Daly City. Go to the North County Fire website www.northcountyfire.org for more information.

September 26th and 27th will be the Pacific Coast Fog Fest in Pacifica, so sign up with Frank-N6FG and help the community have a successful two days.

Our next meeting will be the Linda Mar Fire Station August 12th with our annual Back to School Night with Roy Brixen-KE6MNJ. Always a fun and informative event, hope see you there.

73...Bob-W6LOG

JULY MINUTES

The July 2009 club meeting was called to order at 7:35 p.m. by club president Bob Barbitta-W6LOG at the Linda Mar fire station in Pacifica. Self-introduction by the members followed.

The minutes from the June meeting, as recorded in the July newsletter, were read and approved on a motion, second and voice vote with the following correction: The Repeater Fund balance should have been reported as \$3032.97 vice 3012.97

TREASURER'S REPORT

Dave Rinck-K6DMR provided the following report of the club's financials: \$577.00 in the General Fund; \$3032.97 in the Repeater Fund; \$366.91 in the Digipeater Fund, and \$3139.61 in the EOC/Public Service Fund. These individual fund totals add up to a club total of \$7116.49. Disbursements for the month included \$35 for printing and mailing of the club newsletter and Field Day expenses of \$30 for gasoline and \$54 for pizza.

COMMUNICATIONS

A newsletter from the Santa Clara County Amateur Radio Association ("SCCARA-GRAM" for July) and the U.S. Bank statement were received in the mail.

MEMBERSHIP

Total club membership stands at 77, 75 of whom are licensed members. Fifty-eight (77%) of the licensed members are ARRL members.

COMMITTEE REPORTS

REPEATER

Operational

AUTOPATCH

Operational

DIGIPEATER

Operational

EMERGENCY SERVICES

No update provided.

FIELD DAY

Field Day Chairman Dave Rinck provided some results from the club's Field Day operation. Total contacts worked, 444, 441 by phone and 3 by digital (1 PSK-31, 2 packet). Joshua Villard-N6TZF had the most contacts with 187. The next two highest were Joe Pistrutto-N3CKF with 87 and Dave Rinck with 63. The largest station worked was an 11F station in Orange County (W1SAT). Furthest away stations worked included 3 stations in South Florida, 1 station in Rhode Island, 1 station in Hawaii and one station in Guam. The weather was especially warm this year with the Field Day crew providing needed water to passing hikers and pets.

NEWSLETTER

No update provided.

WEBSITE

No update provided.

OLD BUSINESS

1. Ralph Bailey-K6DLZ reported that Dave Lawrence-K6TWW had his left shoulder operated on following some muscle tears. All are encouraged to check in with Dave and wish him a speedy recovery.

NEW BUSINESS

1. Gary Barnes-KI6HIG provided some information on the PAARA field trip to USS Hornet on Saturday, 18 July. Check for complete details on the PAARA web page at <http://paara.org/paara-tours/>

2. There will be an Am-Tech Day at SLAC on 25 July. Check the Foothill Amateur Radio Society web site for details at <http://www.fars.k6ya.org/amtechday/2009/amtechday-0907>

A motion to adjourn the business meeting was approved at 8:25 p.m. on a voice vote following a motion by Jane Bailey-KF6PGF and second by Tom Mullarkey-AA6TMM.

PRESENT AT THE MEETING

Bob Barbitta-W6LOG, Roger Spindler-WA6AFT, Dave Rinck-K6DMR, Tom Mullarkey-AA6TMM, Roy Brixen-KE6MNJ, Rab Hagy-KJ6AMO, Ralph Bailey-K6DLZ, Jane Bailey-KF6PGF, Gary Barnes-KI6HIG, Orval Chadsey-N6OZI, Maureen Geneste-KJ6AMJ, Paul Santo and George Tucker-W6HAF.

Reported by George Tucker-W6HAF Secretary

NEWS

**BACK TO SCHOOL NIGHT –
AUGUST MEETING
w/ Roy Brixen-KE6MNJ**



**Resonant Cavities,
Duplexers, and
RF Black Magic**

Most all military, commercial, and amateur repeaters use a single antenna for receive and transmit. If left to two pieces of coax wye'd together, the high-power transmitter output would surely toast the low-level input stage of the receiver. To establish an environment where low level and high level signals can coexist without causing damage and device failure, resonant cavities wired to form a duplexer are often the solution. Capable of handling high power and with very impressive sharp tuning curves, the resonant cavity is truly RF black magic.

At the meeting, we'll examine dual and single antenna repeater configurations, review the basics of series and parallel LC resonance, Q, and bandwidth, look at typical components used to build LC resonant circuits, take apart a resonant cavity and

look for the LC components, show cavity tuning, plot the frequency response of a single cavity and a pair of cavities, and finally look at the wiring of and the performance graphs of a commercially tuned duplexer.

This will be a night of magic.

Roy-KE6MNJ

**VOLUNTEERING FOR PACIFIC COAST
FOG FEST 2009, SEPT. 26 AND 27**

The Coastside ARC has again offered our services to the Fog Fest as message and radio equipment dispatchers. We have always been appreciated and their committee always comments on our wonderful service and our competency at this event. This year so far we have had a very good volunteer list and the slots mostly do not run for more than two hours except at start up and ending shifts. If you want to help I can team you up on a shift so you spell each other.

The Fog Fest rents Commercial VHF communication equipment which is checked by us, assigned to workers and logged in and out. We also act as central dispatch when needed and as a message center. It is not a difficult job. Shifts cover 12 hours on both Saturday and Sunday, 7 AM to 7 PM. If there are more volunteers then shifts are shorter. If you can volunteer even if you haven't before, please contact me at 650 355-4355, on the Wednesday evening net or at our meeting. Thank you.

Frank-N6FG

**INTERNATIONAL LIGHTHOUSE AND
LIGHTSHIP WEEKEND (ILLW) –
HF ACTIVITY!**

The onus is on operators to act within the spirit of the event, the object of which is to have a visible presence at or near the lighthouse because the event is used to obtain maximum exposure for our hobby. We invite the press and, QTH permitting, also the public and try to underline the obvious parallel between the international aspect in lighthouses, lightships and amateur radio. See www.illw.net

FREQUENCIES: We generally recommend use the event segment of the 5 'Classic' bands with a center frequency if conditions are bad, then at least we have one place we can (try to) meet. We request that the center frequencies are not used as primary frequencies but as a last point of call to other participating stations.

DATE/TIME: August 15/16- 0001 UTC on Saturday and finishing at 2359 UTC on Sunday- Because it is NOT a contest you may operate on any authorized frequency as per your license.

OTHER: To assist other stations they request that participating CW stations add LT for lighthouse or LS for lightship, other stations add 'LIGHT', 'LGT', 'LIGHTHOUSE' or 'LIGHTSHIP' after their call. Some stations obtain a call sign with the letter L in the suffix to assist other stations identifying them as a participating station in the event.

HF mobile at Pigeon Point anyone?

Frank-N6FG

ARRL UPDATE**WALTER CRONKITE, KB2GSD (SK)**

Legendary CBS newsman Walter Cronkite, KB2GSD, who held the title of "Most Trusted Man in America," passed away Friday, July 17 after a long illness. He was 92. The avuncular Cronkite anchored the CBS Evening News for 19 years until 1981 when he retired. During that time, he reported on such subjects as the Kennedy assassinations, the Civil Rights movement, the Apollo 11 lunar landing, Vietnam and the Vietnam-era protests, the Arab-Israeli Six Day War, Watergate and the Begin-Sadat peace accords.

Cronkite, an ARRL member, narrated the 6 minute video "Amateur Radio Today" <http://www.arrl.org/ARToday/>. Produced by the ARRL in 2003, the video tells Amateur Radio's public service story to non-hams, focusing on ham radio's part in helping various agencies respond to wildfires in the Western US during 2002, ham radio in space and the role Amateur Radio plays in emergency communications. "Dozens of radio amateurs helped the police and fire departments and other emergency services maintain communications in New York, Pennsylvania and Washington, DC," narrator Cronkite intoned in reference to ham radio's response on September 11, 2001. "Their country asked, and they responded without reservation."

In 1963, it was Cronkite who broke into the soap opera "As the World Turns" to announce that the president had been shot -- and later to declare that he had been killed. CBS called it a "defining moment for Cronkite, and for the country. His presence -- in shirtsleeves, slowly removing his glasses to check the time and blink back tears -- captured both the sense of shock, and the struggle for composure, that would consume America and the world over the next four days."

Steve Mendelsohn, W2ML, was Cronkite's radio engineer at CBS for many years. "I had many chances to discuss my favorite hobby, ham radio, with 'the world's most trusted anchor man,'" he told the ARRL. "Gradually, his interest increased, but on finding that he had to pass a Morse code test, he balked, saying it was too hard for him; however, he told me he had purchased a receiver and listened to the Novice bands every night for a few minutes. At the CBS Radio Network, Walter would arrive 10 minutes before we went on the air to read his script aloud, make corrections for his style of grammar and just 'get in the mood' to do the show. In those days Rich Moseson, W2VU, was the producer of a show called "In the News," a 3 minute television show for children voiced by CBS Correspondent Christopher Glenn. On this day, Rich was at the Broadcast Center to record Chris' voice for his show and had dropped by my control room to discuss some upcoming ARRL issues." At the time, Mendelsohn was the ARRL Hudson Division Director.

"When Walter walked into the studio, I started to set the show up at the behest of our director, Dick Muller, WA2DOS," Mendelsohn recalled. "In setting up the tape recorders, I had to send tone to them and make sure they were all at proper level. Having some time, I grabbed "The New York Times" and started sending code with the tone key on the audio console.

For 10 minutes I sent code and noticed Walter had turned his script over and was copying it. We went to air, as we did every day, at 4:50 PM and after we were off, Walter brought his script into the control room. Neatly printed on the back

was the text I had sent with the tone key. Rich and I looked at the copy, he nodded, and I told Walter that he had just passed the code test. He laughed and asked when the formal test was, but I reminded him that it took two General class licensees to validate the test and he had just passed the code. Several weeks later he passed the written test and the FCC issued him KB2GSD."

Mendelsohn helped Cronkite make his first Amateur Radio contact: "Having passed the licensing test, Walter was now ready to get on the air. His first QSO was on 10 meters about 28.390 MHz. He was nervous and I called him on the phone to talk him through his first experience. As we talked on the air, a ham from the Midwest come on and called me. Acknowledging him, I asked the usual questions about where he was from, wanting to give Walter a bit of flavor of what the hobby was about. I turned it over to Walter, and following his introduction, the gentleman in the Midwest said, 'That's the worst Walter Cronkite imitation I've ever heard!' I suggested that maybe it was Walter and the man replied, 'Walter Cronkite is not even a ham, and if he was, he certainly wouldn't be here on 10 meters.' Walter and I laughed for weeks at that one."

In 2007, ARRL Hudson Division Director Frank Fallon, N2FF, presented Cronkite with the ARRL President's Award. This award, created in 2003 by the ARRL Board of Directors, recognizes an ARRL member or members who "have shown long-term dedication to the goals and objectives of ARRL and Amateur Radio" and who have gone the extra mile to support individual League programs and goals. Cronkite was selected to receive the award in April 2005 in recognition of his outstanding support of the ARRL and Amateur Radio by narrating the videos "Amateur Radio Today" and "The ARRL Goes to Washington" <http://www.arrl.org/pio/VTS-video.wmv>. "It was quite a thrill to make this presentation to Cronkite," Fallon said. "He has long been recognized as the 'most trusted man in America,' so lining our causes to his face, name and voice has been a great help."

A private memorial service was held July 23 in New York City. Cronkite will be cremated and his remains buried in Missouri next to his wife Betsy, who passed away in 2005. A public memorial service will be held within the next month at Avery Fisher Hall at the Lincoln Center for the Performing Arts. In lieu of flowers, the family is requesting donations to the Walter and Betsy Cronkite Foundation through the Austin Community Foundation <http://www.austincommunityfoundation.org/>, which will distribute contributions to various charities the couple supported.

HAM RADIO HELPS OUT WITH MOUNTAIN RESCUE

It was a quiet afternoon on July 11 and Rich Lippucci, KI6RRQ, of Vista, California, was monitoring the Catalina Amateur Radio Association (CARA) repeater on his base station. "I heard someone come over the repeater, calling, 'Is there anybody listening?'" I responded and the caller said he was on his handheld transceiver hiking around the Mt Baldy area. He was about 2.5 miles off road and resting at the wilderness San Antonio Ski Hut <http://angeles.sierraclub.org/lodges/sanantonioskihut.html>. A few hikers had arrived from farther in the backcountry -- one

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of their friends had broken an ankle and was a mile or more up the trail and they needed help." Mt Baldy is the highest peak in the San Gabriel Mountains and the highest point in Los Angeles County.

Lippucci asked the caller for his call sign and name. "He told me he was Kirk Gustafson, KE6MTF," he told the ARRL. "I asked Kirk if he had a cell phone, but he told me there was no cell service where they were. I told him I would coordinate emergency services over my landline and asked for his exact location. He did an excellent job; he had a good idea of where he was and wasn't sure which county he was in, but he did have GPS coordinates."

Using his landline, Lippucci called 911 and was transferred three times until he was connected to Chelsea in the San Bernardino County Sheriff's dispatch center. "Chelsea coordinated the rescue with the San Bernardino Fire Department who sent a foot patrol to the area," he said. "The Sherriff's office dispatched a helicopter to meet someone at the ski hut to take them to where the hiker was down. It took a little less than an hour for emergency services to get above the location in a helicopter, but they were not able to land the helicopter due to the rocky terrain at the ski lift." Lippucci said that while the foot patrol and helicopter were on their way, the group of hikers had brought the injured woman down the trail to the ski hut, stabilized her leg and determined it was probably not broken. They still did not feel they could carry her out as the trail down from the wilderness ski lift was so steep." The ski hut can only be reached via a steep three mile hike and 2200 feet elevation gain.

The dispatcher told Lippucci that the helicopter would perform a skid rescue where a crew member suspends a bed basket from the helicopter; the victim is secured and pulled back up to the helicopter. The dispatchers asked Lippucci to relay back to Gustafson, asking if the group needed anything, such as food or water. Gustafson relayed back that they didn't need anything. "After about 15 minutes from arriving on site, the helicopter and its crew got the victim airlifted out successfully without further complications," Lippucci said. Gustafson took a video of the rescue with his cell phone http://marlene.zimague.com/ke6mtf/hike/rescue/iPhone/IMG_0408.MOV.

Gustafson and Lippucci -- both ARRL members -- have been in contact since that Saturday afternoon. "Since the incident, Kirk informed me that the injured lady was around 40 years old and that there were up to 15 hikers hanging around the ski hut, some of which were search and rescue volunteers on vacation," he told the ARRL. "They had some kind of radios with them, but their batteries were dead. Kirk said when he got out of his car to start his hike, he grabbed his handheld transceiver radio and GPS. His friends told him 'That's just extra weight -- you won't need that.' He told them, 'I go nowhere without my radio. If I need to call for help, the only way I would be able to let them know where I am is with GPS. I'm bringing them.' I don't think they will say that next time! Kirk said that one of them decided they need to look into getting a ticket and radio and that the search and rescue folks said they were going to look into getting ham radio licenses."

Lippucci said that ham radio saved the day: "A handheld radio, hitting a local wide-area repeater, was what was needed

when cell and landline phones were not available. Many thanks to the CARA club for their awesome reach in Southern California on 2 meters. Thanks also to those on the air that were very gracious to respect the traffic and keep communications open during the rescue. This is such an excellent example of the benefits of ham radio. If people had to hike out of the wilderness, get to their cars and find a cell signal, they might have been pushing up against the loss of daylight hours. Any rescue would have been significantly more difficult in the dark."

Lippucci told the ARRL that 911 and the Sherriff's office in San Bernardino accepted the ham radio call without hesitation. "They used a ham radio operator to relay questions to Kirk through me, to gain all the information they wanted and needed to put assets on the emergency," he said. "It was as if I was calling about something in my own backyard, even though the problem was several counties away in the mountains, with people I didn't know. I am proud to have had the opportunity to use my license in service of an emergency situation. As a CERT member <http://www.citizencorps.gov/cert/>, this was the very reason I got my ham radio license in the first place!" -- Information provided by Rich Lippucci, KI6RRQ

SPECIAL BONUS SECTION ADDED TO "ARRL HAM RADIO LICENSING MANUAL"

The most common question asked by new radio amateurs is "Now that I have my license, what kind of radio should I get?" The ARRL, in an attempt to help newcomers to Amateur Radio answer that very question, has added a bonus supplement to the ARRL Ham Radio License Manual <http://www.arrl.org/catalog/?item=9639>. "Choosing a Ham Radio: Your Guide to Selecting the Right Equipment" is aimed at the new Technician licensee ready to acquire a first radio, a licensee recently upgraded to General class and wanting to explore HF or someone getting back into Amateur Radio after a period of inactivity.

The guide features two main sections -- one covering gear for the VHF and UHF bands, and one for HF band equipment, including a VHF/UHF and an HF glossary of terms you will encounter. The guide also urges you to discover just what you want to do with Amateur Radio and where you want to do it from. Do you want to be a "big gun" HF contester? Do you want to ragchew on your local repeater system? Maybe you want to join your local ARES unit and help provide communications support in times of emergency. This guide will help you select the right rig for what you want to do.

"Choosing a Ham Radio: Your Guide to Selecting the Right Equipment" isn't a traditional "buyer's guide" with feature lists and prices for many radios. Manufacturer's Web sites and catalogs from radio stores have plenty of information on the latest models and features. As such, you won't find operating instructions or technical specifications here, but many manufacturers' Web sites will let you download brochures and manuals directly.

Second only to "What kind of radio should I get?" "What kind of antenna do I need?" is the most common question asked by the new amateur. Don't worry! "Choosing a Ham Radio: Your Guide to Selecting the Right Equipment" talks about all kinds

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of antennas -- from "rubber duckies" to verticals to dipoles to Yagis; it even explains rotators and antenna gain.

An explanation of power, filters and digital signal processing (DSP), as well as special features commonly found on VHF/UHF and HF radios are also included in the guide. ARRL members who are logged on to the ARRL Web site can view the guide online <http://www.arrl.org/members-only/choosingaradio/>.

THE DOCTOR IS IN THE ARRL LETTER

This week, ARRL Letter readers are in luck! The ARRL's very own Doctor, author of the popular QST column "The Doctor Is IN," answers a question from his mailbag:

Question -- Jeff Freedman, K7JF, of Gig Harbor, Washington, asks: I am setting up my beam antenna for the first time. I understand there is a true north and a magnetic north (or south for the Southern Hemisphere). What is the difference between true and magnetic? For which of the two should my beam be initially calibrated? If magnetic north, how do I know where to set the beam?

The Doctor Answers -- Magnetic north is the direction a compass needle points to, while true north is the direction to the Earth's northerly rotational axis point. They are indeed different in most places, and the difference is different for each spot on Earth. It also changes over time. The difference is referred to as magnetic variation on nautical charts and as magnetic declination in some other venues.

NOAA's National Geophysical Data Center provides information on the nature of this phenomenon as well as maps showing the correction

<http://www.ngdc.noaa.gov/geomag/declination.shtml>. For example, at my station location in Connecticut, in 1981 the magnetic variation was 13 degrees west with an annual increase of 4 minutes. That means in 2009, it should be a bit less than 16 degrees. If you look at the US map on the above Web site you will see that they have it near the -15 degrees line.

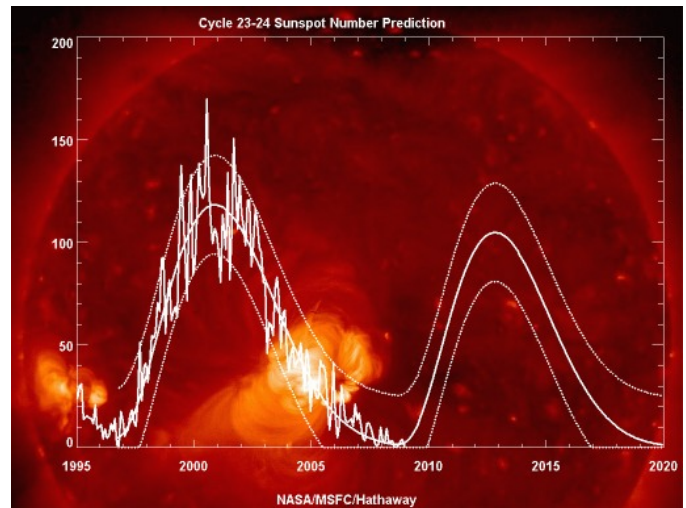
In addition to the Web site, you can find your variation on any nautical chart of a location near your station, on any coast and geodetic survey map or call your town engineer. To convert magnetic north readings from your compass to true north, subtract if the variation is westerly (negative on the NOAA map), add if easterly.

Conceptually, either a true or magnetic reference could be used, as long as you keep track and convert everything to the same basis. All propagation programs that I am aware of give bearings with respect to true north, so I would suggest using true bearings on your rotator controller.

Do you have a question or a problem? Send your questions via e-mail doctor@arrl.org; or to "The Doctor," ARRL, 225 Main St, Newington, CT 06111 (no phone calls, please). Look for "The Doctor Is IN" every month in QST, the official journal of the ARRL.



SOLAR UPDATE



THE K7RA SOLAR UPDATE

Tad "The Sun himself has sent me like a ray" Cook, K7RA, this week reports: No new sunspots yet, but a big surprise this week with aurora and a geomagnetic storm: Sunspot activity peaked around 0300-0900 UTC on Wednesday July 22, with K index as high as 6. The planetary A index for the day was 24. One nice result was aurora propagation on 6 meters. A week ago there wasn't any indicator of increased activity. There is a new sunspot trying to emerge today (July 24), but it looks to be from Solar Cycle 23. Sunspot numbers for July 16-22 were 0, 0, 0, 0, 0, 0 and 0 with a mean of 0. The 10.7 cm flux was 66.7, 66.2, 67, 67.6, 68.2, 67.7 and 67.8 with a mean of 67.3. The estimated planetary A indices were 4, 2, 3, 2, 6, 4 and 24 with a mean of 6.4. The estimated mid-latitude A indices were 2, 0, 1, 1, 3, 3 and 18 with a mean of 4. Geophysical Institute Prague predicts quiet geomagnetic conditions July 24-25, quiet to unsettled July 26 and back to quiet for July 27-30. The US Air Force and NOAA Space Weather Prediction Center calls for planetary A index of 5 for July 24-25, 8 on July 26, 7 on July 27 and back to 5 though the end of the month. They predict solar flux on July 24-26 at 68, 69 and 70, remaining at 70 through August 7. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/tis/info/propagation.html>. To read this week's Solar Report in its entirety, check out the WIAW Propagation Bulletin page <http://www.arrl.org/wlaw/prop/>. This week's "Tad Cookism" brought to you by George Gordon, Lord Byron's "Don Juan" [http://en.wikisource.org/wiki/Don_Juan_\(Byron\)](http://en.wikisource.org/wiki/Don_Juan_(Byron)).



COMING EVENTS

Livermore Swap Meet – 1st Sunday of each month at Robertson Park in Livermore, CA. 7:00AM to 11:30AM
Talk-in: AD6X 147.120 (+) PL 100.
For information, Ian Parker-W6TCP
E-mail: swap@livermoreark.org
Web Page: <http://www.livermoreark.org/swap/swap.html>

Lunch at Harry's Hofbrau - 3rd Wednesday of every month,
1909 El Camino Real in Redwood City, CA.
No host. 11:00AM to 1:00PM (approx).

ASVRO Silicon Valley Electronics Flea Market – 2nd
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)

AM-Tech Day – Monthly – see web page for dates
Sponsored by the Foothills Amateur Radio Society (FARS)
and hosted by the Stanford Linear Accelerator Center
(SLAC), the FARS Amateur Radio–Technology Day will be
held at SLAC's Panofsky Auditorium, cafeteria, and adjoining
areas. Am-Tech Day is a monthly venue for local amateur
radio operators and other technology innovators to practice
and demonstrate their communication skills and emergency-
preparedness equipment.

2575 Sand Hill Rd. Menlo Park, CA
Web Page: <http://www.fars.k6ya.org/amtechday>

LICENSE EXAMS

AERO-Auxiliary Emergency Radio Organization

Contact: Dave Gomberg

Phone: (415) 731-7793

Email: dave1@wcf.com

Web Page: <http://www.wcf.com/aero/exams/>

When: Sunday, September 13th, 2009 8:45AM - 3:00PM

Location: Saint Mary's Hospital, 450 Stanyan (at Fulton)
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
(Morse Code tests will be not be given.)

When: Oct 17th 8am-5pm

Where: Fremont, CA

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

Silicon Valley Volunteer Examiner Group

First and third Saturdays of each month, 8AM-10:30AM.

Saratoga Fire Station 14380 Saratoga Ave, Saratoga, CA

E-mail: (preferred): mojoteri@attbi.com

Phone: (408) 507-4698 (Morris Jones, AD6ZH)

Web Page: <http://pdarrl.org/vec/vecscv/index.html>

Sunnyvale VEC Exam Sessions

Fee=\$15 Cash

Walk-ins only, No pre-registration

Cut-off-time, 30 min. after starting time.

Exam: changes, directions, call (408) 255-9000 24/hr

E-mail: wb6imx@worldnet.att.net

Web Page: <http://www.amateur-radio.org>

Sat	Aug 8	Sunnyvale, CA	10:30	AM
Sat	Aug 15	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 14 th	2009 Agenda Planning, LM Fire Station
Feb 11 th	2009 Agenda Finalizing, LM Fire Station
Mar 11 th	Pizza Nite-Round Table Pizza LM Shopping Ctr
Apr 8 th #	Linda Mar Fire Station
Apr 25 th	Computer Museum Field Trip, Mt. View
May 13 th	Home Brew Night, LM Fire Station
Jun 10 th	Field Day Planning Mtg, LM Fire Station
Jun 27-28	CARC Field Day, Sweeney Ridge
Jul 8 th	Field Day Wrap-Up Mtg, LM Fire Station
Aug 12 th	Back to School Night w/Roy-KE6MNJ, LM Fire
Sep 9 th	D-Star presentation, Tim Barrett-K6BIV LM Fire
Sep ?	T-Hunt and Picnic, Frontierland Park-Pacifica
Sep 26-27	Pacific Coast Fog Fest, Pacifica
Oct 7 th	2010 Officer Nominations, LM Fire Station
Nov 7 th	Election Dinner, Nick's Restaurant
Dec 9 th	Holiday Potluck Dinner Meeting, LM Fire

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



CARC FROM THE PAST

AUGUST 2000

Presidents Column

We had a great demo and talk on Spectrum Analysis by Roy Brixen-KE6MNJ at our July meeting. We were able to plug in our two meter radios for a check of the band width and found they were within the prescribed specifications.

Our thanks to Roy for volunteering again and sharing his electronics expertise with us. We are looking forward to another interesting meeting in August. Frank-N6FG will be setting up a HF station. See you then.

73's Bob-KD6VCD

July Minutes

The President, Bob Hill-KD6VCD called the meeting to order at 7:35pm. Everyone present introduced himself or herself. The June minutes were approved as written.

Treasurer's Report

Roger-WA6AFT, the General fund has \$975.29, the Repeater fund has \$2,944.05 and the Digipeater fund has \$1,095.26. Expenses: Postage & printing were \$80.72. A motion was

made to reimburse Roger for out of pocket expenses. Motion passed. To date 120 members have paid their annual dues.

Communications

MARC newsletter. Nuts & volts newsletter. The usual newsletters from other ham clubs in the area.

Committee Reports

Ed-KD6TWK, Field Day – We had 2,686 QSO Points + 600 Bonus Points for a total of 3,286 Points. After Frank Erbacher-N6FG, worked some magic we were able to use Sweeney Ridge for the Field Day event at no charge. Thank you Frank and the Tribune for all the hard work and effort you have put in to lock-in that location.

Repeater

Bill-N6IMS, WA6TOW Repeater Replacement Project – We are using existing money for this replacement. Donations are always welcome. Please specify which account you are donating to, General, Repeater or Digipeater fund. The project should be completed by the end of August (except the antenna). We would like to put together a work party at the end of August to assist with the replacement and perhaps clean up on top of the hill. Here are a few things that Bill typed up regarding the Repeater Replacement: The major RF chassis have been acquired. He is still searching for additional high power amplifiers (for a specific model of repeater). The crystal inserts have been ordered and should arrive by the end of July 2000. The intermod suppression equipment has been ordered and should arrive towards the end of August (approx. \$1200). The alarm/control systems (2 ea.) will be ordered this week (July 13, 2000). The cost will be \$1000 + tax & shipping. Receipts for parts purchased totaling \$156.86 have been submitted to the club treasurer for reimbursement. The monies will come out of the Digipeater fund

Frank-N6FG, will set up an HF station at our August meeting
 Mike-KE6JNO, Suggested we purchase plastic storage containers for our Field Day equipment. We'll talk to Frank-N6FG, at our next meeting to find out how many of these containers we might need. Roy-KE6MNJ, Harmon Hallett, Our speaker tonight was Roy Brixen-KE6MNJ. He discussed Spectrum Analysis and Spectrum Analyzers. Roy has been an amateur since 1995. He has always enjoyed electronics. Spectrum Analysis is the investigation and study of the energy distribution that a given electrical signal radiates across the frequency spectrum. Oscilloscopes are the most common display system for electrical signals. The equipment was donated to the college Roy teaches at. If anybody would like to borrow the equipment to run an analysis on some equipment feel free to give Roy a call and schedule some time. Thank you Roy for a great presentation.

A motion was made to adjourn the meeting. Motion passed.

Present at the Meeting

Barbara Hill, Bob Hill-DK6VCD, Ed Freeman-KD6TWK, Roy Brixen-KE6MNJ, Leonard Tom-NX6E, Rich Ensslin-AD6LS, Jim Sadler-W6SFW, Michael Beck-KE6JNO, Bill Smith-KE6CHQ, Bill Lillie-N6BCT, Tom Mullarkey-KD6WJQ, Bill Dunbar-N6IMS, Cynthia Larsen-KD6JTW, Roger Spindler-WA6AFT, Ralph Bailey-KC6DLZ, Chris Palm-KF6YYE, Nick Palm-KG6ADM

Cynthia Larsen-KD6JTW

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; and a Packet digipeater, WA6TOW-1. 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.

Digipeater: 145.050 MHz , Packet Node: PAC

CARC VHF Simplex: 146.490 MHz

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 editors.

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



COASTSIDE NETS AND INFORMATION

Tuesday

8:00 PM on WA6TOW 146.925
 MHZ, PL 114.8 and KC6ULT
 146.865 MHz, PL114.8

simultaneously, but not linked. San
 Mateo County Area EOC Net.
 Contact Peter Liljequist-AA6PL
aa6pl@arrl.net

Wednesday

9:00 PM on WA6TOW 146.925
 MHZ, PL 114.8 Coastside Amateur
 Radio Club Wednesday night
 Check-in.
 Contact Robert Barbitta-W6LOG

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.
 Contact Bill Lillie-N6BCT
n6bct@arrl.net
 (650) 726-3630

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Robert Barbitta	W6LOG	(650) 878-8716	w6log@arrl.net
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Secretary	George Tucker	W6HAF	(650) 728-2823	w6haf@arrl.net
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
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COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:



MEETING NOTICE:

BACK TO SCHOOL NIGHT
 W/ PROFESSOR ROY BRIXEN-KE6MNJ
 AUGUST 12TH 2009 – 7:30P.M.
 LINDA MAR FIRE STATION
 PACIFICA, CA



Serving Bay Area Amateurs, and providing emergency communication services to the City of Pacifica

WWW.COASTSIDEARC.ORG