



THE COASTSIDE COMMUNICATOR

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APRIL 2011

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

Welcome to April. The drought in California is officially over so hopefully we can get to some nice weather and forgo the April showers.

The San Mateo County Health services held their annual Silver Dragon emergency drill on March 24th (Silver Dragon V).

This county wide event was to simulate the distribution of antibiotics to the public. This year Daly City, Pacifica and Brisbane combined their efforts and covered the neighborhoods above the Cow Palace in Daly City. Instead of antibiotics they distributed approximately 1100 information pamphlets covering fire safety, the local community center and spaying and neutering your pets.

In the Daly City exercise the following members of CARC volunteered their time to assist in this public safety drill: W6LOG (Net control), N6FG, K6IIP, K6DMR, KJ6ERS, KG6EDY, AJ6J, N6TZF and N6TZE. I also know that W1RAB/6 was doing his part for the Silver Dragon exercise in Foster City. Good job everyone.

The local communications was handled via a simplex net on 2 meters. Each amateur was assigned a group of CERT members who communicated to them via family radio (FRS).

It rained the entire time and the wind was fierce. Even with the bad weather the CERT teams delivered the 1100 pamphlets to the public in about 1.5 hours. They remained under the watchful eye of the roving amateur radio operators coordinated by net control (At a local community center).

Upon completing the exercise the teams were carried back to the community center for lunch and a short discussion regarding the drill they had just finished.

I hope to see you at the next club meeting (April 13).

...73 de Casey-N6TZE

MARCH MINUTES

The March 2011 meeting was called to order at 7:59pm. by our club vice-president, Ralph Bailey-K6DLZ at the Linda Mar Round Table Pizza Parlor in Pacifica. Self-introduction by the members and guests followed.

It was then moved to approve the minutes as published in the newsletter by George Fenisey-N6GYR, with a second by Robert Barbitta-W6LOG and was passed by the membership.

TREASURER'S REPORT

Frank Erbacher-N6FG read the report of the club's financials: \$1,423 in the general fund; \$4,674 in the repeater fund; \$624 in the digipeater fund and \$5,240 in the EOC fund. These individual fund totals add up to a club total of \$11,962.

The treasurer paid \$35 to WA6AFT for his mailing and publication of the Communicator newsletter, \$18.00 for repeater site keys, and \$12.00 for mailing labels.

MEMBERSHIP

Total club membership stands at 77 with 73 licensed members, 58 of whom are ARRL members. Frank reminds us all to fill out the application and submit dues for 2011 ASAP. Mike Beck renewed his membership from Utah and says, "Hello to all."

COMMUNICATIONS

Newsletter was received from SFARC, "Nuts and Volts, SCCARA "SCCARA-GRAM", SCRA "Short Skip"

Also received was the USB bank account statement.

COMMITTEE REPORTS

REPEATER

Operational

AUTOPATCH

Operational

DIGIPEATER

Operational

APRS

Operational

EMERGENCY SERVICES

CARC Net will be done from the EOC once a month to check function of EOC equipment.

FIELD DAY

No Report

FOG FEST

No Report

NEWSLETTER

Published

WEBSITE

The web-site is to be moved on March 27th. There may be some interruption in service when switched.

OLD BUSINESS

None.

NEW BUSINESS

1. The web-site is to be moved on March 27th.
2. Hiller Aircraft Museum trip had 15 people interested. It should be Saturday or Sunday in the summer to minimize school field trips present.
3. Train Museum no update – Frank.
4. Beale AFB, 11 people interested – Frank.
5. Field Day is the last full weekend of June. ARRL packet is available.
6. Pinball Museum no update – George.
7. Niles Canyon Train no update
8. Rio Vista Train Museum – no update

A motion was made by N6GYR to move the time of the Wednesday Net to 7:30 PM. It was quickly tabled to the next meeting by Ralph and the membership concurred.

A motion was made to adjourn the meeting by Ralph Bailey - KD6LZ and second by Robert Barbitta - W6LOG and many others. The motion was passed and the meeting was adjourned at 8:20 p.m.

PRESENT AT THE MEETING

The following guests of the club were present: Jonathan Kwei-KI6NBW, Arnott Smith-KF2TM, Davis Ricardo-KE5WJX

Members present included: Robert Barbitta-W6LOG, Ralph Bailey-KD6LZ, Jane Bailey-KF6PGF, Cliff Biggs- N6KKX, Orval Chadsey-N6OZI, Barbara Erbacher-K6IIP, Frank Erbacher N6FG, George Fenisey-N6GYR, Ed Freeman-KD6TWK, Dave Lawrence-KF6TWW, Walt Long-KG6EDY, Dave Rinck-K6DMR, Nikki Villyard-KI6VRA, Audrey Villyard -WA2KPS, Mary Ellen Scherer-NQ6Y, Gary Barnes-KIGHIG, Scott Mercer- KI6SEJ, Joe Pistritto-N3CKF

Reported by George Fenisey-N6GYR Secretary



THE 2011 MEMBERSHIP FORMS ARE NOW AVAILABLE!

RENEW YOUR MEMBERSHIP TODAY!

CONTACT FRANK-N6FG

NEWS

SILVER DRAGON V – PICTURES



Net Control Station



Casey-N6TZE and Barbara-K6IIP



Frank-N6FG



Photos by Barbara Erbacher-K6IIP

ARRL UPDATE

EMCOMMWEST 2011 RENO, NV
MAY 6-8 ADVANCE REGISTRATION
CLOSES APRIL 29!

Reno, Nevada - The ARRL Specialty Convention EMCOMMWEST will again be held in Reno, Nevada at the beautiful Grand Sierra Resort Hotel. This year's Keynote ARRL speaker will be Mike Corey, W5MPC, Emergency Response and Planning Manager from Newington, CT. Mike will share the latest in the world of emergency communications and what we can look forward to having just past the 75th Anniversary of ARES.

For our Saturday night banquet, we are honored to have as our special guest, former ARRL president, Jim Haynie, W5JBP who served 3 terms as League president, and made some awesome contributions to Amateur Radio, including his creation, "The Big Project" to attract young people into the hobby. His love of and support for emergency communications is second to none.

Back by popular demand is the Sunday morning breakfast with Tom Taormina, K5RC. On Friday night the "WELCOME BBQ", hosted by the SATERN team at the Reno Salvation Army, will feature Don Carlson, KQ6FM's famous chili. Then be sure not to miss the SWAP MEET on Saturday morning. There will be lots of door prize drawings, plus our grand prizes this year are an ICOM 7000, and a KENWOOD TS-2000!

The Grand Sierra Resort has something for everyone, including 2 pools, driving range, indoor golf, movie theaters, indoor mall for shopping, and some great restaurants for dining. Lots for the family to do, too!

ECW Registration is \$15 in advance, and \$20 at the door. Optional Saturday night banquet is \$40, with 3 meal choices; and, seating is limited. Saturday morning breakfast is \$20. We also have some great package deals available, but these are ONLY available with advance registration, which closes April 29!

We appreciate your staying at our venue, The Grand Sierra Resort to help fill out our room block. There is a link to the hotel website from OUR website, so just go to the GSR link and book you rooms. The Event Codes are usually NOT asked for or needed using the online link to GSR. The only time it might be used (for backup) if someone CALLS GSR --- AND OR--- wants an RV reservation. BTW, someone asked if the RV reservations count toward our room count...they DO. Should someone rather call in to their Reservation's Department to book their sleeping rooms they may reference EWEST5. The RV group code is a little different: EWEST5R RV spaces are reserved by phone or Email only. The special RV rate is \$25 + tax per day and good for May 5-9. Email address is: rvpark@grandsierraresort.com The GSR reservation phone number, 1 800 501 2651 EMCOMMWEST group rates of \$79.00 standard room and \$100.00 for the upgraded room (best value). plus taxes, and NO \$10 per day resort fees - which are waived for our convention! These rates are good through April 17, then on an "as available" basis with the hotel.

Registration is open now, and all information can be found at our website, www.emcommwest.org. For more information

and questions, please email to info@emcommwest.org. We hope to see you there for another great time this year! 73!

ARRL Pacific Division Director
Robert B Vallio, W6RGG w6rgg@arrl.org

HAMS HELP WHEN PHONES FAIL AT SOUTHERN CALIFORNIA HOSPITAL

When nurses and other caregivers picked up their phones at Children's Hospital of Orange County (CHOC) in California in the early morning on March 21, there was no dial tone. A power surge caused the central processor in the hospital's phone switch to fail. Following established procedures, the Lead Operator at the CHOC switchboard immediately activated the Hospital Disaster Support Communications System (HDSCS), using an off-switch tie-line to reach April Moell, WA6OPS, head of this ARES® group that specializes in helping hospitals when their communications fail.

Moell established a 2 meter net and initiated a call-out of HDSCS members via telephone and pager. Ken Simpson, W6KOS, and Clay Stearns, KE6TZR, soon arrived at the hospital to help establish a link with the outside world. Soon, more operators were at the hospital to communicate for its most important units, including the emergency department, neonatal intensive care, pediatric intensive care and the pharmacy.

She then contacted the supervisor at Orange County Communications to report the outage and to provide her telephone number for incoming calls to CHOC. This resulted in Moell receiving several urgent messages for the hospital, including one regarding the transport of a young patient coming in for an appendectomy. Message handling continued through the morning, with some of the first-to-arrive operators being relieved by other HDSCS members when they had to leave for work or other commitments.

By 10:45 AM, some phones were working, but spare parts were on their way from a supplier. HDSCS continued to provide unit-to-unit and hospital-to-community messaging as needed, including coordination of patient treatments and a request for blood. At 1:02 PM, the repair crew announced that the phone system was back to normal, except for some voicemail functions. HDSCS members remained on station for 30 more minutes, as they always do to insure that phone systems are stable before securing.

This is the 31st year of HDSCS service to medical facilities in Orange County and the 114th activation to provide communications support when telephones have failed or overloaded. The reasons for HDSCS involvement have ranged from equipment failure, to cut cables, to natural disasters such as earthquakes, floods and wildfires. Each member has their own go-kit that is ready to take to any of the 36 supported hospitals to establish communications. The HDSCS is familiar with CHOC because the group has participated in drills and communications emergencies there before, including a external phone outage that lasted 22 hours in August 2006 when a construction accident severed fiber optic cables.

The following HDSCS members also participated in this activation: Paul Broden, K6MHD; Tom Hall, N6DGK; Bill Hegardt, K6WIL; Rebecca Katzen, KI6OEM; Joe Moell, K0OV; Dale Petes, KI6ANS; Sam Stratton, W5AGX, and Fred Wagner, KQ6Q.

WESTERN PENNSYLVANIA HAMS RESPOND AS TORNADO SWEEPS THROUGH AREA

At approximately 4:30 on the afternoon of Wednesday, March 23, severe thunderstorms started to roll into Westmoreland County, Pennsylvania, producing golf ball-sized hail and heavy winds. Members of the Westmoreland County Public Service/ARES® group began to meet on the W3CRC repeater in Derry, Pennsylvania, which serves as the main ARES®/SKYWARN repeater in Westmoreland County. Soon after, the National Weather Service issued a tornado warning for the area and the Public Service Net was opened formally at 5 PM. Walter Bashaw, W3ZEH, began taking check-ins and reports of severe weather, relaying them to the NWS in Pittsburgh.

“Hams reported a funnel cloud near the Fort Allen and greater Greensburg area to net control, and this information was reported to WX3PIT -- the Amateur Radio station at the NWS office in Pittsburgh -- 15 minutes before it was reported on the local TV stations,” ARRL Westmoreland County Emergency Coordinator Chuck Mills, W3YNI, told the ARRL. “The storm continued to move east toward Latrobe, where additional large sized hail was reported.”

Ralph Ofchinick, W3ZPI, and Jay Schall, KB3NSJ, activated the ham station at the Greensburg Emergency Operations Center, and continued to provide communications support. At 5:30 PM, a second, but not quite as strong storm, moved through the area, producing additional heavy rain and hail. Rick Varnise, K3EPV, deployed to a shelter in Hempfield Township that had been set up for victims of the tornado.

Mills said that the NWS classified the tornado as an F2 in strength, with winds topping 120 MPH. Many homes in the area were destroyed or damaged as the tornado continued along its seven mile path. Westmoreland County Deputy Emergency Management Coordinator Dan Stevens said that the tornado destroyed at least 30 homes and damaged at least 90. There were no reports of serious injuries.

AMATEUR RADIO IN SPACE: TWO ASTRONAUTS GET THEIR HAM TICKET

Even though they aren't scheduled to go to the International Space Station (ISS) until 2013, two astronauts -- Chris Cassidy and Luca Parmitano -- are now licensed amateurs. Cassidy, who received the call sign KF5KDR, is scheduled to head to the ISS in March 2013 as part of Expedition 35. Parmitano, who is KF5KDP, goes up three months later in May, as part of Expedition 36.

“Our aim is to have at least one crew member licensed and trained in on-air protocol, who is somewhat excited about ham radio and the Amateur Radio on the International Space Station program (ARISS), per expedition,” explained ARRL ARISS Program Manager Rosalie White, K1STO. NASA ISS Ham Radio Project Engineer Kenneth Ransom, N5VHO, told the ARRL that both Cassidy and Parmitano are “excited and interested in the educational aspects of Amateur Radio on board the ISS.”

Currently, there are three Russian cosmonauts, two US astronauts -- Ronald Garan, KF5GPO, and Catherine Coleman, KC5ZTH -- and one Italian astronaut on board the ISS as part of Expedition 28. Alexander Kaleri, U8MIR, and Oleg Skripochka, RN3FU are Russian; Paolo Nespoli, IZ0JPA, is from Italy. In June 2011, a new crew -- Expedition

29 -- reports to the ISS: Michael Fossum, KF5AQG; Sergei Volkov, RU3DIS, and Satoshi Furukawa, KE5DAW. This crew will join Coleman, Nespoli and Dimitri Kondratyev. According to the ISS schedule, at least three hams will be on board the ISS at the same time through the end of 2012.

Ransom told the ARRL that he is especially excited for Expedition 29 launch. “Mike Fossum is a Scoutmaster with a Boy Scout troop here in Houston,” he said. “We are hoping that he will be active making Amateur Radio contacts with Scouts all around the world while on the ISS. The World Scout Jamboree is in Sweden this year in July and August, and Jamboree on the Air (JOTA) is near the end of his mission. Hopefully, he will be available for both events, giving Scouts an exciting QSO from space.”



AMATEUR RADIO HISTORY

THE HISTORY OF EIMAC

AS TOLD BY JACK MCCULLOUGH-W6CHE
CO-FOUNDER OF EIMAC — PART 2

Editor's Note: The following is Part 2 of the story of EIMAC that was presented as a slide show at a ham club in 1974. It was contributed by Linda DiLorenzo of CPI/Eimac Division with permission to reprint it in the CARC Newsletter

2. The Beginning of Eimac

Eimac was incorporated in September 1934. Our first store was at 592 San Mateo Ave. in San Bruno. It was Eimac's first factory building. It is not true that Eimac started in a meat market. The meat market came after Eimac left.

The first tube, of course, was the 150T, really an updated HK354 in a different envelope. It was imperative that we get our operation under way at once so we had to prepare an ad that was to appear in the November 1934 QST before we had actually made our first tube.

We were lucky to find Bud Bane, W6WB, who was, among other things, a commercial artist. We showed him the glass bulb, the anode and a drawing of the base. He came up with a drawing of the 150T that appears in that historic ad. Eimac started with only three people. Bill, myself, and our first employee, Carl Porter, who was with us at H&K. We had expected a few other people to come with us from H&K but they decided to stay behind. I couldn't blame them. This was 1934 and job security was all important during that depression. Actually those people who initially stayed behind joined up with us a few years later. Obviously with only three people, we had plenty to do. We had to make all of our own equipment. There were few tube companies in 1934. Besides, we didn't have too much money.

Much of the early equipment had its ancestry in many of San Francisco's junk yards. We made the rounds regularly. We knew the one on 9th St. specialized in certain types of equipment. Transformers were found at 6th & Harrison and the yard on Bryant St. had various pieces of iron and steel we could hew into our tools and dies. Bill was the machinist and later the glass blower. Carl did the assembly work after he had completed the electrical installations (he had been an electrician before coming to HSK). I built the pumps, did the initial plumbing, did the exhaust, carburizing and basing. The correspondence, at first, was answered by Brad Harrison; later this became one of my tasks!

THE HISTORY OF EIMAC CONT.

I don't think we worked more than 24 hours in any one day! Eventually we were ready to make tubes. Bill's dies in our "kick" press formed the parts. Carl mounted the filaments and made the grids and finally the exhaust and testing. Bill and I went to the Ham Fest in Fresno in November 1934. Our ad for the 150T had appeared in QST and we had with us five 150T tubes (our entire production). The tubes were well received and our spirits were soaring until someone noticed a crack in one of the filament presses! When we were by ourselves, we examined the remainder of the tubes - they all had cracks. Our entire production down the drain! More disconcerting was the fact that we didn't know how we were going to prevent it happening in the future. After all our effort, to have this happen was almost too much. Brad Harrison invited us over to have a highball and relax. We worked out of our problem. We have had many problems over the forty years of Eimac's history but none seemed as large as our first one!

We had a fortunate break as far as publicity was concerned. Dickow was putting out the magazine "Radio" always looking for something new or starting, he found Eimac a fertile field. J.N.A. Hawkins W6AAR was an editor with Dickow. He spent a lot of time at Eimac. Some of his engineering suggestions were most helpful. I believe he was the one that suggested the word, "Eimac." One will never know what influence the publicity in the magazine "Radio" had on Eimac's early success.

Looking back over those early years, we were fairly prolific in new tube types. Our second tube was the 50T. The first year we had the 150T and 300T. In 1936, there was the 35T. Also that year the 150T became the 250T, the 50T the 100T, and the 300T the 450T. We had long since paid back to our financial friends \$1,250 each so that all four of us owned equal shares of the company. Business was so good, in fact, that we moved out of the store at 592 San Mateo Ave., into a new 5,000 square foot building we had built across the street from the San Bruno depot. It seemed so big. We actually held a dance for a housewarming party. We had about 20 people on our payroll and sales were above \$100,000 per year. One must remember that salaries were a little less then. When we started the company, Bill and I had a salary of \$150 per month. Considering we were working 70 hours per week, that is slightly less than 50 cents per hour. Our first employees were mostly high school dropouts. We paid them 35 cents per hour to start. When they gained experience, they would go to 70 cents per hour. Remember a tool and die maker was getting \$1.10 per hour in those days. Present salary scales, by comparison, are 6 to 10 times as much!

Also in 1936 Bill and I made our first trip East. Quite a bumpy 22 hour ride in a Boeing 247, a ten-passenger plane. We visited the various military service laboratories and found them fooling around with a thing called radar. More interestingly, they were using our tubes in these early radars. We established a good working relationship with the Signal Corp Laboratories in Monmouth, N.J. and the Naval Research Laboratories in Washington. We didn't realize at this time how many times in the future we would be making these trips to these laboratories. The U.S. military was just beginning to be ever so slightly concerned about the European political unrest. About this time we visited the National Ham Convention being held in Chicago. Remembering Charlie Perrine's article in 1932 of putting 1000 watts into a pair of 852's, we, thought

we would update him a bit. On a breadboard, we mounted four 35T's. One 35T was a crystal oscillator.

Another 35T, a quadrupler and a pair of 35T's in push pull as the final amplifier. In a later version the final used a vacuum condenser for the "C". The performance of this rig was rather startling. With 5000 volts @ 200 milliamperes on the plate of the final, close to 1000 watts of output power lit a 1000 watt incandescent lamp nearly to full brilliance. In those days, though albeit dangerous, it was the custom to estimate the performance of an amplifier by the length of the arc that could be drawn from the hot side of the tank, circuit by means of a lead pencil. Needless to say, the two or three inch arc that could be drawn from this 35T rig made a lasting impression on a lot of hams. Incidentally this rig was keyed by some new mercury vapor controlled grid rectifiers we had just made.

It is interesting to note that the relatively quiet activity in power tube design that had prevailed in early thirties was vastly changed by 1937-1938. RCA came out with a great quantity of types. Hi μ triodes, pentodes, even some exact copies of the Eimac types. Raytheon started out with several pentode type, tubes but they, like RCA, also made some very close copies of Eimac types. Very flattering. Taylor tube was a big operation at this time with their graphite anode types and liberal replacement policy. H&K, after a lull, again entered the fight in the latter part of the thirties.

Eimac started out originally to make tubes primarily for the ham. This decision was not hard to make because we found that when we approached a commercial customer he would say "I have no assurance that you will be in business when I need replacement tubes." We understood their problem.

Because of this background, it came as a pleasant surprise to learn that the airlines were in the process of updating their ground equipment. They had found a pair of our \$75 450T tubes would give them 2500 watts of carrier output when high level modulated by another pair of 450T's. For \$300 worth of tubes, they were getting six times the 400 watts of carrier they were getting from a \$300 W.E. type tube used as a linear amplifier. The economics worked out that having pairs of 450T's per channel and using a common audio modulator, they ended up with higher power, lower cost and eliminated the necessity of retuning when changing frequency. We made a lot of 450T's. As a later bonus when WWII came, this type of equipment was adopted worldwide for airline communication!

In 1939 and 1940 the military picture was becoming more grim. The Signal Corp placed its first order for the SCR268 radar with Western Electric. This radar used sixteen special tubes developed from the 100T. It was pulsed by a modulator made up of a number of 304TL tubes.

We went back to Western Electric to discuss the procurement of about 15,000 tubes! The order amounted, to about half a million dollars. The fat was now in the fire. Things would never be the same again at Eimac. We had to enlarge our facilities and we had to add to our work force. We were not "chauvinistic pigs" - we hired our first women.

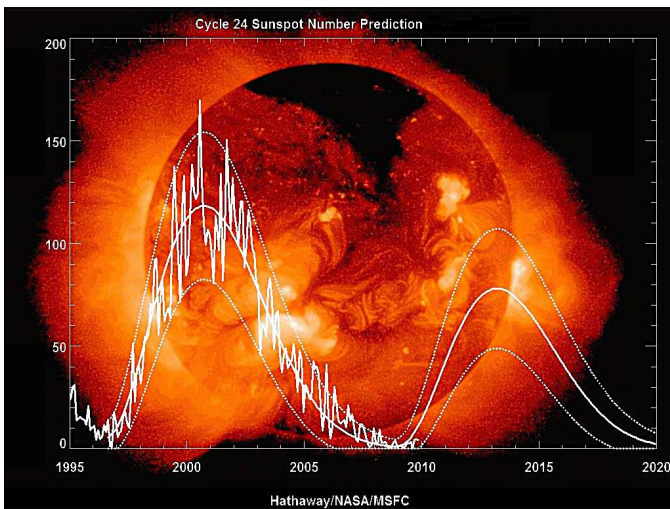
In spite of our apprehensions about having women workers, it worked out fine and still is. The need for expansion caused a need for financing and we logically thought that one of our original founders who was relatively wealthy would be glad to guarantee our loan from the bank. No soap. We decided we should buy him out as soon as we could. Not too long

THE HISTORY OF EIMAC CONT.

afterwards, we bought his original \$1250 investment back for \$57,000! As it turned out, we did not have much difficulty with our financing. Just before WWII engulfs us, let us stop and recap what has happened in the six years since September of 1934.

We have a line of triode tubes starting with the 35T, 100T, 250T, 450T, 750T - 1000 UHF - and 1500T and 2000T, all made of tantalum. We also have a line of vacuum condensers and vacuum relays. We made several type mercury vapor rectifier tubes. our dealings with the military labs have led to some special designs for radar applications. We learn that the first radar in fleet use was on the USS New York using six 100T tubes.

◀ ▶ SOLAR UPDATE



THE K7RA SOLAR UPDATE

Tad "The Sun is shining, it's a lovely day" Cook, K7RA, reports: The activity we could see recently on our Sun's far side -- thanks to the STEREO mission -- has been rotating into view, producing some nice sunspot activity, resulting in improved upper-HF propagation. Compared to the previous week (March 17-23), the past week (March 24-30) showed average daily sunspot numbers up more than 61 points to 102.1, while the average daily solar flux was up nearly 20 points to 114.7. Geomagnetic conditions were quieter as well, and reports from readers show greatly improved propagation on 20, 15 and 10 meters. This table shows a new sunspot group on March 23, two more groups appeared March 24, two more on March 25 and another two more on March 27. The latest prediction from USAF/NOAA sees improving conditions, with the projected solar flux for March 31-April 1 at 125 and 130, then 135 on April 2-7. The predicted planetary A index is 10 and 8 on March 31 and April 1, followed by 5 on April 2-7 and 8 on April 8. Conditions should be very good for the next week, especially when compared to this time last year. Look for more information on the ARRL website -- including an updated forecast and reports from readers, as well as the latest 3-month moving average of sunspot numbers..

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.

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>

QCWA 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: Sun. April 17th

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: Sat. April 23, 2011

Where: Bridges Community Church

625 Magdalena Avenue Los Altos, CA 94024

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-11:00AM.
 Saratoga Fire Station 14380 Saratoga Ave, Saratoga, CA
 Fee: \$15
 Walk-ins only, No pre-registration
 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	Apr 9 th	Sunnyvale, CA	10:30	AM
Sat	Apr 9 th	Pescadero, CA	2:00	PM
Sat	Apr 16 th	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 12 th	2011 Agenda Planning, LM Fire Station
Feb 9 th	2011 Agenda Finalizing, LM Fire Station
Mar 9 th	Pizza Night, Round Table Pizza LM Center
Apr 13 th	Linda Mar Fire Station
May 11 th	Linda Mar Fire Station
Jun 8 th	Field Day Planning Mtg, LM Fire Station
Jun 25-26	CARC Field Day, Sweeney Ridge
Jul 13 th	Field Day Wrap-Up Mtg, LM Fire Station
Aug 10 th	Back to School Night, LM Fire Station
Sep 14 th	Linda Mar Fire Station
Sep 24-25	Pacific Coast Fog Fest, Pacifica
Oct 12 th	2011 Officer Nominations, LM Fire Station
Nov 5 th	Election Dinner
Dec 14 th	Holiday Potluck Dinner Meeting, LM Fire

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



www.smcready.org



THE COASTSIDE AMATEUR RADIO CLUB

The Coastside 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/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 Coastside 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

52 Years



of Service

42 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 Area EOC 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.

CLUB OFFICERS				
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Secretary	George Fenisey	N6GYR	(650) 278-2026	gfenisey@fenisey.com
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Website	Dorene Bevington	KE6AGG	(650) 359-5194	ke6agg@arrl.net



**MEETING
NOTICE:**

**APRIL 13TH @ 730 PM
LINDA MAR FIRE STATION
PACIFICA, CA**

COASTSIDE COMMUNICATOR

DAVID RINCK, EDITOR
P.O. BOX 1106
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FIRST CLASS

TO:

