



THE COASTSIDE COMMUNICATOR

VOL. 43, No. 6

JUNE 2011

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

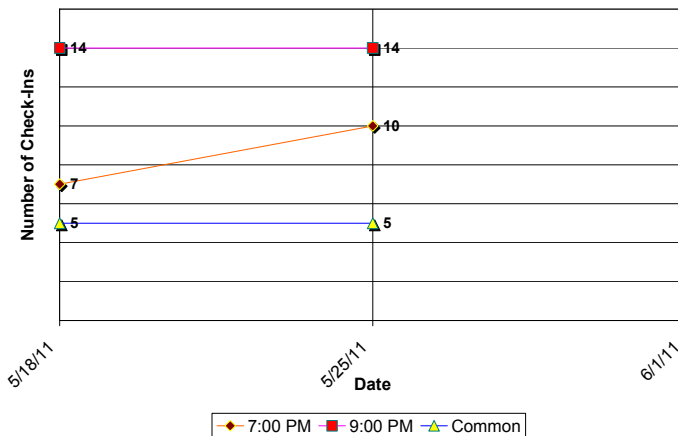
Welcome to June! Field Day will be here soon (June 25th and 26th). We all need to ask Frank-N6FG to order some nice weather for us! If you have any question regarding field day please contact Frank-N6FG at n6fg@arrl.net.

As mentioned in the May club meeting we are trying a different time for the Wednesday night CARC net.

For two weeks in May, and the entire months of June and July we will have two nets on Wednesday night. The early net will be at 7:00PM and the later net at 9:00PM (Normal time). Please check into the one that works best for you (or both if you like).

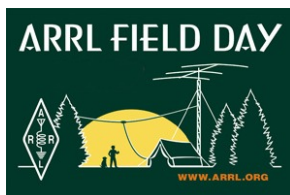
So far we have had reasonable participation in both nets (only two so far). As shown in the graph below the first two 7PM nets had seven and ten check-ins respectively and 14 check-ins for both days of the 9PM net. Five of the people checked into both nets.

CARC Wednesday Night Check-In



I am looking forward to seeing you on Field Day. Come up and join the fun. We have one more club meeting before field day to discuss any open issues. I hope to see you there.

...73 de Casey-N6TZE



MAY MINUTES

The May 2011 meeting was called to order at 7:43PM. by our club president, Casey Villyard at the Linda Mar Fire Station 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 Dave Lawrence-KF6TWW and was passed by the membership.

TREASURER'S REPORT

Dave Rinck-K6DMR stood in for Frank, and read the report of the club's financials: \$1,187 in the general fund; \$4,662 in the repeater fund; \$634 in the digipeater fund and \$5,240 in the EOC fund. These individual fund totals add up to a club total of \$11,723.

The treasurer paid \$35 to himself for his mailing and publication of the Communicator newsletter, \$320 was to be paid for the club insurance, and \$20.00 was paid for the annual NARCC membership fee. The Fog Fest application action has been mailed.

MEMBERSHIP

Total club membership stands at 92 with 86 licensed members, 64 of whom are ARRL member, for a total of 1,293 years of experience. Frank reminds us all to fill out the application and submit dues for 2011 ASAP.

Dave also announced our newest member Simon DeSmet-Bacon -KJ6OKL, welcome aboard.

COMMUNICATIONS

Newsletter was received from Sonoma County Amateur Radio Inc "Short Skip".

Also received was the USB bank account statement, and the Fog Fest application.

COMMITTEE REPORTS

REPEATER

Operational

AUTOPATCH

Operational

DIGIPEATER

Operational

APRS

Operational

EMERGENCY SERVICES

Casey announced a simplex connectivity test run by the Sheriff's Office for city EOCs in case the repeaters fail. It will be held on May 21st.

FIELD DAY

Frank needs volunteers for Field Day. Contact Frank-N6FG. Dave-K6DMR volunteered to get the permit for Sweeney Ridge.

Casey-N6TZE says we need a tow vehicle for the "blue room".

Joe Pistritto-N3CKF says we have more solar panels and newly acquired batteries for power on Field Day.

Casey-N6TZE reviewed what FD is for our many guests tonight.

FOG FEST

Fog Fest- is the 24th and 25th of September, Frank-N6FG is looking for volunteers for this event.

NEWSLETTER

Published

WEBSITE

The new host is up and running per Joe-N3CKF

OLD BUSINESS

None.

NEW BUSINESS

The event schedule was updated.

A motion by George-N6GYR to try the idea set forth by Casey-N6TZE to have the net twice at different times on Wednesday as an experiment for a couple of months. There was second by Ralph-KD6LZ and the motion passed.

A motion made by Ross-W1RAB to start the experiment next week. There was second by Joe-N3CKF and passed.

Casey-N6TZF read the letter on Roger Spindler-WA6AFT's Diamond Patio Engraved Brick letter received from the ARRL.

Dave Rinck-K6DMR announced a new radio net for the Knights of the Megahertz at 0700 to 0730 on WA6TOW, Sunday mornings.

Bob-W6LOG announced a Radio test/practice on Wednesday June 15th.

W1RAB/6 discussed and made a motion create a committee that would create specific set of rules for all emergency operation agencies. Scott Mercer-KI6SEJ modified the motion for all groups using our repeater systems. The lawful usage, who is in charge and availability is to be resolved by this committee. A Memorandum of under Standing shall be created. Motion by Ross-W1RAB/6, second by Orval Chadsey-N6OZI and was passed. Committee members are Ross-W1RAB/6, Dave-K6DMR, Casey-N6TZE and Joshua-N6TZF.

Joe Pistritto-N3CKF says that W6ZBU requests an e-mail from a club officer to request they visit our field site like last year. Casey-N6TZF will handle this task.

Joe Pistritto-N3CKF offered some newer batteries for our repeater. It seems the batteries are older and should be replaced. A discussion ensued.

Joe Pistritto - N3CKF wants to make an adjustment to the packet node controller. Call Joe-N3CKF if you are planning to go to the repeater site.

A detailed report on the NARCC meeting was given by Casey Villyard-N6TZE.

Dave Lawrence-KF6TWW announced the end of the Livermore swap meet.

A motion was made to adjourn the meeting by Dave Lawrence -KF6TWW and second by Robert Barbitta-W6LOG. The motion was passed and the meeting was adjourned at 8:33 p.m.

PRESENT AT THE MEETING

The following Life Members were notably not present: Roger Spindler-WA6AFT. We hope you feel better Roger.

The following guests of the club were present:

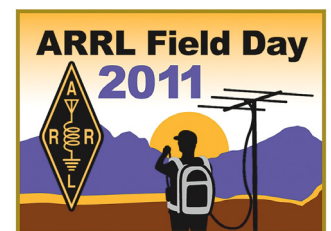
James DeSmet-Bacon, Emelia Kate DeSmet-Bacon, Bob Marchand-KR6RX Arnott Smith-KF2TM and Joe Lucchesi-K6JLU.

Members present included: Jacky Lam-N6LAM, Robert Barbitta-W6LOG, Ralph Bailey-K6DLZ, Tom Bonomo-K6AD, Gary Barnes-KI6HIG, Orval Chadsey-N6OZI, Peggy Emrey-KB6LBF, George Fenisey-N6GYR, Carmel Gallagher -KJ6ERS, Dave Lawrence-KF6TWW, Walt Long-KG6EDY, Dave Rinck-K6DMR, Mary Ellen Scherer-AJ6J, Casey Villyard-N6TZE. Joshua Villyard-N6TZF, Audrey Villyard-WA2KPS, Alan Wilhelmi-KI6QWY, Ross Burton-W1RAB/6, Bill Lillie-N6BCT, Scott Mercer-KI6SEJ, Simon DeSmet-Bacon-KJ6OKL, David Ricardo-KE6WJX and Joe Pistritto-N3CKF.

Reported by George Fenisey-N6GYR Secretary

**NEWS****CARC FIELD DAY 2011-
JUNE 25 AND 26TH 2011**

We STILL NEED PERSONS to sign up for set up, take down and operating for this Yearly ARRL Nationwide and Canada event. The event idea is to contact as many Amateur Radio Stations as possible operating in US and Canadian territory. The event operation is for 24 hours continuously. Purpose is to stimulate interest in operating with Emergency Equipment and setups whether in homes, offices, hospitals, EOCs, etc. Well you get the idea. See <http://www.arrl.org/field-day>



www.arrl.org

COASTSIDE ARC FIELD DAY

Our club usually operates at the Portola Discovery Site, GGNRA, Sweeney Ridge which is a restricted area. We get permission for our Field Day operators to set up our antennas. The Club's usually setup is 2 HF Stations, a full sized 20 (and a 15 meter if we have enough help) beam up about 30 feet and

CARC FIELD DAY CONT.

probably a VHF/UHF FM station. We will scale operations up or down as needed according to the number of volunteers and set up help.

Over night operators usually sleep in their cars parked nearby. Others go home rest and come up later to operated and /or take down. We try to schedule persons if we can. **FIRST TIMERS are WELCOMED!**

Even if you may only stay and assist for a short time, please do so. For setup there are a number of lesser skilled, less demanding efforts such as untangling ropes, coiling and uncoiling coax, and moving things that are needed for those doing the heavier efforts. ALL help is welcomed. Contact us if you can ahead of time. Or just show up which is the main thing. Come try your hand at operating with us in this ARRL Yearly "Field Day" Exercise.

Location: Portola Discovery Site, GGNRA, Sweeney Ridge

Starts: 8 AM- MEET AT GATE. June 25th, Operating starts at 11 AM

Ends: 11 AM June 26th, Tear Down starts 9 AM.

Operating Ends 11 AM. All equipment should be packed up to before 1 PM

The GGNRA permit approval to enter this site is in the final stage. The combination will be available after it is checked on site. An E-mail will then go all members. Call the phone numbers above for information. The Permit requirement is that **ONLY CLUB MEMBERS** may have the combination information. Visitors are welcome accompanied by CARC members.

Vehicle Access: Via the West End of Sneath Lane from Skyline Drive. There is a locked gate at that point. The Combination lock **MUST** be off the combination to be locked when closed after you pass through. Set the 4 dials to ZERO afterwards. Yank on the lock to make sure it is really locked. This is a permit requirement. You must bring a flash light for night use at the gate.

This is a GGNRA site with a narrow one way winding road. The up hill vehicle has the right of way so look ahead and pull over at the wider spots. Drive very slowly **ALWAYS**, and be extremely courteous to all walkers, bicyclists, and hikers and their pets. They **WILL NOT EXPECT** vehicles and with the wind, they will not hear you. They may be irritated that you are there as they use the area often. We want to **KEEP** our welcome up there.

Parking Site is at the top of the hill as the paved roadway flattens out and turns to the right. Turn **LEFT** off the paved roadway onto a dirt road and almost immediately park to the right under the power lines. Keep the road clear for Park Rangers and other official vehicles. This is where all vehicles park except those used for operating. The Operating Site is about 100 yards further southerly on that dirt road and is to the left at the knoll.

Permit Rules:

Fire Danger Area- Our conditional permit **PROHIBITS** – any and all outside cooking or open flames. Our Generator is the only potential fire source except smokers. **NO SMOKING** is allowed in any operating positions and is discouraged in general because of the Fire Danger and liability. Other site visitors not in our control are a concern, so please watch them if they smoke.

Drinking: **ALCOHOLIC BEVERAGES ARE PROHIBITED** so **DO NOT BRING THEM**. Bring plenty of other liquids for your own use.

Do Not Damage plants, etc. on this site.

Clean up after yourselves and help police our area of any trash. The winds will blow every thing around. CARC will have a trash can and a recycling bag. Our use area **MUST** be cleaned up before we may leave.

The Operation

There usually are a larger number of persons at the start. Since there are only limited operating positions, they must be shared. Persons with Field Day experience should help train the newer operators when they arrive to share the experience. Those that can stay or come back later in the day/night to operate please limit your time during this period.

Normally there will be only be 2 operating chairs and one spare chair in each the HF operating stations which are two vans that are available sheltered from the elements.

This site is a Monument Area with no improvements, but it has great views; and it is a wonderful Amateur Radio site. However it is a windy hilltop area without trees and only shrub bushes. There is Poison Ivy in the bushes so please be careful. If you need to know what it looks like ask someone to point it out to you.

The only night lighting available is at the operating area and is very minimal.

What To Bring

Set Up and Take Down: Bring working gloves if you have them. Also hand tools like Philips and flat screw drivers, knife, pliers, 7/16" and 1/2" hand wrenches.

Clothing, etc: Sun Screen is a must. It is most often windy and wet at night and for that matter during the day. Or it can be as hot as all blazes during the day and very cold if clear at night. Layers of clothing are best. Long Johns are a good idea especially at night and warming gloves help at times. Operating positions have little or no heat.

Food and Cooking- Each person supplies **THEIR OWN FOOD**, water and beverage needs while there. Open flame cooking is not permitted by permit. We will have a pot of hot water going all the time for your use. There will be instant coffee, hot chocolate and cups. Saturday PM at some point there should be a Pizza paid by CARC. Who goes for it and when is determined by the Field Day Chairman at the site. There is a cost limit however so don't show up just to eat.

Sleeping/Resting- Bring your Flash Lights and spare Batteries. There are **NO** tent sites and amenities, etc. Tent placement must be ascertained before dark and **MUST** be clear of vehicle parking, bushes and roadway. The ground is uneven. Some operators have curled up in their vehicles, others wrap up in water proof tarps or tents on the ground between bushes. If an air mattress is used make sure it has insulation below it so you aren't cold from convection off the ground. Temperatures can drop very low especially due to wind chill so stay warm.

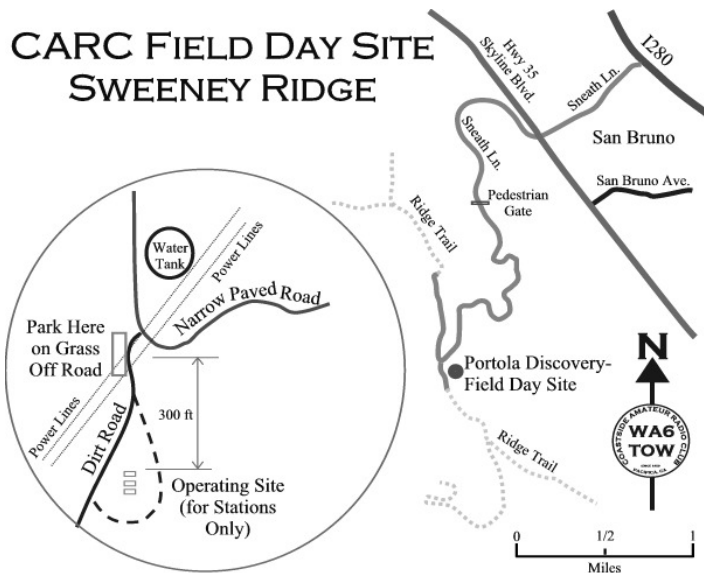
Chairs: Bring your own to use if you desire. There however are no shade trees and little shelter from the wind. They do blow around if not collapsed after use

Portable Chemical Toilet: One will be provided with TP and usually hand wipes. Normally our provider does not include

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any wash water and if so it goes fast. Remember to bring your own wipes just to make sure.

From: Field Day Chairman Frank-N6FG, 650-355-4355 (Also for Gate Combination FD Weekend- Friday until Sunday), Cell 650-464-3870, n6fg@arrl.net and David Rinck-K6DMR, 650-359-8997. k6dmr@arrl.net

CARC FIELD DAY SITE
SWEENEY RIDGE

AMATEUR RADIO HISTORY

THE HISTORY OF EIMAC

AS TOLD BY JACK MCCULLOUGH-W6CHE
CO-FOUNDER OF EIMAC — PART 4 OF 4
Editor's Note: The following is Part 4 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

4. Post War

As the war ended, we had some traumatic experiences. We had to shrink our 3,800 people work force down to three or four hundred immediately. This was not a pleasant task. We closed the Salt Lake City plant down completely and walked away from it. We had made several million tubes during the war period; a great fraction of which ended up as military surplus. Tubes were being sold at a very small fraction of their cost.

Unlike a company that makes one type of product during war time and a different product during peace time, Eimac's products were the same, war or peace. The surplus market pretty well slammed the door on our making our old products after the war. As things slowed down at Eimac, Brad Harrison became a little apprehensive about the future. It proved an opportune time to buy him out -- for \$225,000. A tidy return on \$1,250! The stock we bought from Brad was distributed to the employees of Eimac as a bonus.

Fortunately we had been giving some thought to a tetrode line of tubes and we began announcing then immediately after

hostilities stopped. First the 4-125A, later the 4-250A. Soon we had a complete line going up to 1000 watts plate dissipation. In 1947 we announced the small 4X150A tube. This was essentially the brainchild of Leigh Morton W6CEM, later one of the founders of Penta. I recently learned that Leigh passed away a couple of months ago. Again we were lucky -- the new tetrode line caught on. Most of the new equipment being designed was using our tubes! In 1948 we announced a vacuum variable condenser to compliment our fixed condenser line. Another tube material revolution was getting under way. We had a development program to make a ceramic type receiving tube. This program didn't prove too successful but the technology development was important. With all this activity, Eimac was running out of space at San Bruno. We first thought of enlarging our San Bruno facilities but we soon woke up to the fact that at one time Eimac had 1,800 trained people working for us at Salt Lake. Our Salt Lake experience had been so pleasant, why not go back to Salt Lake. We did. Our old plant put up by the DPC was not available but we rented a facility at the old Remington Arms plant. The building we rented was put up by Remington Arms Co. during WWII and had been used to load 50 millimeter ammunition. We rounded up a number of our ex-employees and we were in business. In 1948-1949, T.V. was becoming popular. Bill and I had an idea we should get into the T.V. picture tube business. Our ideas were crystallized into action when our good friend Dick Orth who was heading up RCA tube activity, indicated they could use some extra production to cope with the fast burgeoning T.V. market. We were more than willing to cooperate.

RCA was making at that time, 16" round metal T.V. tubes. Could we make them? We developed the equipment to seal the face plate and stem simultaneously to the chrome iron cone. Settling rooms, pumps, conveyors, really transformed our original ideas for Salt Lake. Before we got rolling at too high a speed, we switched over to the 19" round metal tube. The operation was quite successful. We were shipping 1,100 19" T.V. tubes per day to RCA. This was two freight car loads per day!

The Korean War soon brought an end to this operation because of shortage of materials plus the fact that the military was again putting the pressure on us to make tubes for the military. We soon again were making conventional tubes at Salt Lake!

After the Korean War, we revived our T.V. tube line but now we were making 24" glass rectangular tubes. Eimac opened a color T.V. Evaluation Laboratory in San Bruno. We made prototypes of the various kinds of color T.V. tubes proposed. This group was headed by George Badger K6TC. About 1954, RCA announced their color set. We tooled up and had a pilot production line in operation, successfully making the RCA type color tube. We didn't make very many though. It was very imperative to RCA to sell their color tube at the lowest price. When we learned that what we would get for the finished tube would not pay for the material used, we decided to get out of the T.V. picture tube business.

Recently Salt Lake celebrated the 25th anniversary of our re-establishing our Salt Lake City plant. We make all of our glass tubes, many of our ceramic types, as well as our planar types at Salt Lake. A few years ago we started an X-ray tube operation. While Salt Lake was having fun making T.V. tubes,

THE HISTORY OF EIMAC CONT.

all was not quiet at San Bruno. We were beginning to bring out many new tubes, using ceramic instead of glass.

T.V. broadcasting was at a fever pitch. To find channel space for new T.V. stations, the F.C.C. was opening up the UHF bands. High power at UHF had not been done before. We believed the right way to go was with a power klystron. We developed klystron tubes of ten kilowatts and fifty kilowatts output that used our new ceramic technology that permitted bolting on external circuits to the tube. UHF T.V. was not very popular at first but we lucked out because the military was installing the Distant Early Warning System across Canada. The DEW line required communication; the first major use of troposcatter communication.

We sold hundreds of our 10 KW klystrons for this purpose instead of for UHF T.V. For the Ballistic Missile Early Warning System (BMEWS) over-the-horizon radar, we developed the 626 klystron. Rated at 1.25 megawatts peak power and 75 kilowatts average power, six of these tubes were used in parallel. The tube is physically large. The size is determined by the rather low frequency, 600 megacycles. The original tube had external cavities but the later versions had internal cavities. This tube was physically larger by many times over any other tube we had ever manufactured. When the Government asked us to put a life guarantee on this tube, we were reluctant to stick our neck out very far because of lack of experience and the high financial liability this entailed. We settled for only fifty hours. The Government used this fifty hour guarantee as the basis for their procurement – setting up two other tube companies to supply the hundreds of tubes they would need based on a life of fifty hours. As it turned out, some of the original tubes are still in service after many years of 24 hours a day use! Many of the tubes the Government purchased will die of old age without ever being put into any equipment.

Up until recently the-most powerful tube we ever made was the experimental X-3030 klystron. It produced an output power of one million watts CW at about 8 GMZ. This tube requires an input of 2,000 kilowatts.

The anode voltage is 150 kilovolts at about 15 amperes. This 15 amperes is guided down a drift space of about a quarter inch in diameter for about three feet. If any of the beam current strikes the drift space, instant disaster. The tube used so much power that we could only test it at night or on weekends when the normal load of the plant was off!

By 1957, Eimac was again feeling the need for more space. We bought land in San Carlos and moved into our new plant in 1958. We kept some operation going in San Bruno for a few years. Later another new building in San Carlos specifically designed for high power klystron design permitted us to close the San Bruno plant completely. Some of you may remember the spectacular fire that finally wrote "finis" to the San Bruno plant during the demolition by a wrecking company.

In 1965 Eimac merged with Varian which turned out to be a very happy marriage. The merger has accomplished its primary objective of providing continuity to Eimac after Bill and I were no longer active. As a logical consequence, after several years all microwave tube activity was moved out of Eimac and combined with the substantial microwave activity Varian has at Palo Alto.

Eimac is now essentially a power grid tube activity.

Communications Transistor Corporation (CTC) also at San Carlos, is now a dominant force in the power transistor field.

The highest powered tubes are no longer in the microwave area since Eimac recently announced their multi megawatt output power tetrodes. Believe it or not, the majority of these tubes are being used in international high frequency broadcast service. It is fun to roll around on your tongue some of the interesting numbers describing this tube. A 26,000 watt thoriated filament, normal maximum D.C. plate current output over two million watts. This test amplifier cavity operates around 17 megahertz. Believe me, there has been a temptation to move it over to 14 megahertz for a DX contest. It has also been suggested instead of dumping the two plus megawatts of output power of our test facility into a dummy load we use it to warm the ionosphere as suggested by the current articles in QST and Ham Radio and produce our own artificial radio aurora for use by the Northern California DX Club!

Over the years power grid tube design has been greatly influenced by changes in communication philosophy. Early tubes had low capacity to simplify circuits for High Frequency use. Push pull circuits were common because of ease of neutralization and then almost universal use of balanced R.F. transmission lines. Class "C" operation with high level modulation was normal. More recently, the use of linear amplifiers and coaxial lines have prompted the design of tubes requiring no neutralization and high power gain. The first approach was by using multigrid tubes with the tetrode being the most popular. The grounded grid amplifier using new modern tubes is fast gaining in popularity because of its overall simplicity and stability. As originally conceived, the grounded grid amplifier had quite low power gain but with one advantage -- the additional driving power turned up as useful output power. The more, sophisticated designs we are now using has put the grounded grid amplifier in the same league with tetrodes as far as gain is concerned. The true zero bias grounded grid amplifier is the ultimate in simplicity. No bias supply; no screen supply; no neutralization, still with high power gain!

I am sure I have told you a lot more about Eimac than you ever wanted to hear but this has been an exciting business and to have been a part of this excitement for all these years makes one stop and wonder how we could have been so lucky.

I also wonder what I would have done if I had taken the advice of my high school principal and given up on amateur radio?

I am ending this talk on a nostalgic note. Bill and I retired from Eimac and Varian early this year because we both have passed the mandatory retirement age. While Bill and I still visit Eimac quite frequently, eventually for us all the fun and excitement of Eimac will be left behind. Eimac is quite viable today with good aggressive management that will be around for at least another forty years. Fascinating new products will continue to move from the laboratory into production.

The one ingredient of Eimac's success that has been seldom mentioned has been the story book working relationship between Bill and myself. Counting our stint at Heintz & Kaufman, Bill and I have been working together for forty five years. In all that time we never had a fight!

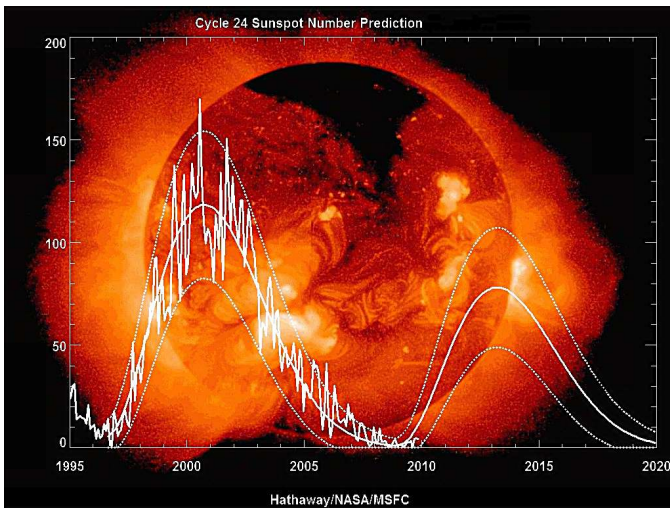
Occasionally there have been differences of opinion on business or product decisions. We could have some heated

THE HISTORY OF EIMAC CONT.

arguments but never once has either of us failed to respect the sincere opinion of the other. Usually one or the other of us would be convinced by the merits of the argument. We always mutually agreed on everything we did. If, on the rare occasion when the differences of opinion remained unreconciled, we would just forget the program. We never left a room having any bitter feelings toward one another. We tend to take things for granted. It was not until I was preparing this talk that I realized how unique and how personally rewarding this wonderful relationship between Bill and myself has been.



SOLAR UPDATE



THE K7RA SOLAR UPDATE

Tad "All alone with the memory of my days in the Sun" Cook, K7RA, reports: The Sun was quieter again this week. The average daily sunspot numbers were down nearly 17 points to 51.6, while the average daily solar flux declined nearly 9 points to 83.2. The latest prediction is for the solar flux to remain low at about 80 on May 26-June 2, then rise to 90 on June 3-4, then 85 on June 5-7 and back to 90 on June 8-11, finally peaking at 95 on June 12. We seem to be a long way from recent weeks when sunspot numbers were over 100. The same prediction has some geomagnetic activity this weekend, with the planetary A index on May 26-30 at 8, 12, 15, 12 and 10, then declining to 5 on May 31 and into the first week of June. Currently two new sunspots are emerging in the Sun's southeastern quadrant. Look for more information on the ARRL website on Friday, May 27. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page. This week's "Tad Cookism" is brought to you by Andrew Lloyd Webber's *Memory* from the musical *Cats*.



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 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: davel@wcf.com
Web Page: <http://www.wcf.com/aero/exams/>
When: Sun. July 10th
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. June 4th, 2011
Where: Conrad E. Anderson, M.D. Auditoriums
Washington Hospital West
2500 Mowry Ave. Fremont, CA 94538
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	June 11 th	Sunnyvale, CA	10:30	AM
Sat	June 18 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	“Junk” Night (swap or sell), LM Fire Station
May 14 th	Pacific Pinball Museum Field Trip
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 6/7 ?	Hiller Aviation Museum Field Trip
Aug 10 th	Back to School Night, LM Fire Station
Sep 14 th	Home Brew Night, LM Fire Station
Sep 24-25	Pacific Coast Fog Fest, Pacifica
Oct 12 th	2011 Officer Nominations, LM Fire Station
Nov 5 th	Election Dinner, Nick’s Restaurant - Pacifica
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 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/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 editors.

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



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.

Sunday

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

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Casey Villyard	N6TZE	(650) 355-0488	n6tze@arrl.net
V. President	Ralph Bailey	K6DLZ	(650) 341-6236	kc6dlz@aol.com
Secretary	George Fenisey	N6GYR	(650) 278-2026	gfenisey@fenisey.com
Treasurer	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
CLUB STAFF				
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	Roger Spindler	WA6AFT	(650) 359-5254	wa6aft@juno.com
Station Technician	Michael Herbert	WB6JKV	(650) 355-6541	wb6jkv@pacbell.net
Trustee of Club Call	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Web-Hosting	Joe Pistritto	N3CKF	(650) 464-4859	n3ckf@arrl.net
Website	Dorene Bevington	KE6AGG	(650) 359-5194	ke6agg@arrl.net



**MEETING
NOTICE:**

**JUNE 8TH @ 730 PM
LINDA MAR FIRE STATION
PACIFICA, CA**

**Field Day
Planning Meeting**

COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:

