



THE COASTSIDE COMMUNICATOR

VOL. 42, No. 3

MARCH 2010

WWW.COASTSIDEARC.ORG

PRESIDENT'S COLUMN

The pizza Meeting is finally here! We will be meeting at the Round Table Pizza Restaurant in Linda Mar Shopping Center at our standard meeting time (March 10th at 7:30PM).

As many of you know the Silver Dragon IV exercise will be on March 11th, 0800-1200 this year. The Pacifica and Daly City CERT teams will be simulating the passing out of antibiotics for a simulated Anthrax attack (THIS IS ONLY A DRILL!!!!!!!).

Instead of antibiotics, the CERT teams will be passing out emergency preparedness information and CERT literature to help people to prepare for a real emergency, as well as how to join their local community CERT team.

The exercise will be limited to the Linda Mar area (San Pedro Valley) and include the passing out of 1000-1500 information packets.

The CERT teams will be using FRS radios to communicate back to the Pacifica mobile EOC with back up and support from Ham radio. It should be very interesting how those two radio services work together with a full range of novice and seasoned operators.

With both CERT and Ham volunteers passing traffic during this simulated relief effort it should make for an interesting day.

If you are interested in attending CERT training in Pacifica or Daly City please contact Captain Realyvasquez Realyvasquezf@pacificapolice.org or Matt Lucett mlucett@dalycity.org. The CERT teams can always use more ham radio operators.

On another topic: If you are a club member and would like to run the Wednesday club net please let me know and I will schedule you in. It's a good opportunity to get practice running a net in a friendly, non-emergency environment.

....73 Casey-N6TZE

FEBRUARY MINUTES

The second monthly meeting of year 2019 was called to order at 7:30 p.m. by our club president, Casey Villyard-N6TZE in the basement of the Linda Mar Fire Station in Pacifica. Self-introduction by the members and guests followed.

It was moved and approved to suspend the reading of the minutes from the January meeting. It was then moved, second

and passed to approve the unread minutes as published in the newsletter.

TREASURER'S REPORT

Frank Erbacher-N6FG provided the following report of the club's financials: \$965 in the general fund; \$3,523 in the repeater fund; \$418 in the digipeater fund, and \$4,340 in the EOC fund. These individual fund totals add up to a club total of \$9,246.

Treasurer also paid \$35 for ongoing publication and mailing of our newsletter

MEMBERSHIP

Total club membership stands at 45 with 44 licensed members, 40 of whom are ARRL members. We have a total of 790 years of radio expertise.

COMMUNICATIONS

Newsletters were received from the Santa Cruz Amateur Radio Club ("Short Skip"), SFARC, December and January ("Nuts and Volts"), SCCARA December and January ("SCCARA-GRAM").

US Bank account statements were also received.

COMMITTEE REPORTS

REPEATER

Operational

AUTOPATCH

Operational

DIGIPEATER

Operational

EMERGENCY SERVICES

Frank Erbacher indicated that the radios in the EOC have not been checked out for several months and that the status of the grid maps needs to be checked on.

FIELD DAY

No update provided.

NEWSLETTER

No update provided.

WEBSITE

Up and running.

OLD BUSINESS

1. Club President Casey-N6TZE, Joshua-N6TZF and George-N6GYR attended San Bruno's Radio Club meeting at the SB City Hall Emergency Operations Center. Discussed was comingling of the clubs and WA6TOW repeater usage. It seems the SBARC is has a dwindling membership and that was discussed too. It was noted that they do have up to date radio equipment purchased by the city.

2. The EOC radios and grid maps have yet to be checked.

3. The firming up of events was a round-robin discussion with the following results.

A. Pizza Night March 10th meeting to be held at Round Table in the Linda Mar Shopping Center.

B. T-Hunt & Picnic on Sept. 11th, more info to follow.

C. Flea Market Night on April 14th meeting night, with all materials removed from the property at the end.

Remember it is illegal to put electronic waste in the garbage. Try the following company ZARC, 26 South Linden Ave. (650) 871-7327. They might pay you?

D. Frank-N6FG still to check on Bay Bridge tour and Coastguard Station on Yerba Buena Island as suggested by Roger-WA6AFT.

E. Frank was still to check on a visit to the carrier Hornet in Alameda.

F. Frank also suggested we look for possible speakers in our travels.

G. Frank's T-Hunt was set to Sept. 11th on Saturday

H. Home Brew night was left open ended as a fill in.

I. It was decided that the logistics for Beale AFB were too great. So it was dropped.

J. Bob was to attempt to get us a D-Star speaker.

K. Roy's Back to School night was scheduled for August meeting.

L. FOG FEST on September 25 & 26th.

NEW BUSINESS

1. It was brought to our attention that "Amateur Radio Technology Day" is on the March 6th, rain or shine, at the Stanford Linear Accelerator Center (SLAC). (www.fars.k6ya.org/amtechday) Help/volunteers are always needed. See Bob Barbitta-W6LOG or inquire on 145.23, with a PL 100 Hz. It is a great place to meet, learn, and just hangout. It was a great social event last month!

2. The Silver Dragon IV Exercise is on March 11th

3. It was brought to our attention that Radio Fest will be held in Monterey on two days, March 20 & 21 2010
Saturday 9:00 am - 5:00 pm and
Sunday 9:00 am - 2:00 pm. (<http://www.radiofest.org>)

4. Dates to note:

a. Livermore Swap meet on March 7th.
(<http://www.livermoreark.org/swap/swap.html>)

b. The Electronics Flea Market at De Anza College is March 13th. <http://www.electronicfleamarket.com>

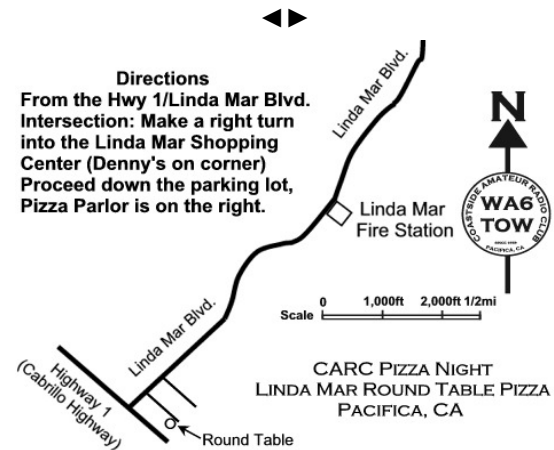
The business meeting was adjourned at 8:20 p.m.

PRESENT AT THE MEETING

The following guests of the club were present:
Arnott Smith- KF2TM

Members present included: Rodger G. Spindler-WA6AFT, Gary Barnes-KI6KIG, Roy Brixen-KE6MNJ, David Rinck-K6DMR, George Fenisey-N6GYR, Tom Mullarkey-AA6TM, Justin Zacharnou-KI6USU, Joshua Villyard-N6TZF, Casey Villyard-N6TZE, Robert Barbitta-W6LOG, Gary Barnes-KI6HIG, Frank Erbacher-N6FG, Dave Lawrence-KF6TWW, Ralph Bailey-K6DLZ, Jane Bailey-KF6PGF, Tom Bonomo-K6AD, Bill Lillie-N6BCT, Maureen Geneste-KJ6AMJ, Ed Freeman-KD6TGW, and Carmel Gallagher-KJ5ERS

Reported by George Fenisey-N6GYR Secretary

**NEWS****BEALE AIR FORCE RADAR AND THE AMATEUR 70 CM BAND**

On March 19, 2010 the Mount Diablo Amateur Radio Club (MDARC) will be visited by Lt. Colonel Keppler and Captain Leineger from Seventh Space Warning Squadron at BEALE Air Force Base. These two US Air Force officers will present a program at the MDARC meeting on the upgraded radar system

You, and your ARRL affiliated organization, are cordially invited to join us. It is important that we all attend so we may understand the mission of the Space Warning Radar System as we share the 70 cm band. (They are assigned as the primary user by the FCC.)

Our Amateur radio operations on 440 MHz crucially affect the Air Force radar noise threshold and the ability of the Beale Radar to detect and resolve space objects. We have been asked to lower transmitter power on a number of 440 band repeaters in Northern CA to reduce the noise threshold.

The missions of the Seventh Space Warning Squadron are:

1. Detect and track hostile missiles from the moment of launch.
2. Guide US defensive interceptor missiles, to destroy these hostile missiles in flight.
3. To track thousands of space debris objects.

Even miniscule space debris poses a threat of serious damage to the International Space Station, Space Shuttle, GPS and communications satellites.

Our meeting will be held at Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette, CA at 7:30PM. Due to another major event at the church that night, we are upstairs in the sanctuary that seats 330 people. Our normal parking lot will probably be full with the other event, so we will use the upper parking lot and street parking. Please do not park directly on the street in front of the church because that is an enforced no parking zone.

We ask that if possible, you carpool to this meeting and monitor 147.060 MHz W6CX repeater for parking instructions. If you should have questions, please contact us at jtronan@aol.com or (510) 649-9045.

73, John Ronan-K3ZJJ MDARC President

ARRL UPDATE

IARU REGION 2 AND RADIO CLUB DE CHILE REQUEST AMATEURS TO KEEP EMERGENCY FREQUENCIES CLEAR

A massive 8.8 magnitude earthquake hit Chile at 0634 UTC on February 27, 2010, triggering a potential tsunami. IARU Region 2 and the Red Chilena Nor Austral de Servicio (RECNA) have suggested Amateur Radio operators monitor the following emergency communications frequencies for traffic pertaining to the earthquake and tsunami: 3.738, 3.750, 7.050, 7.100, 14.200, 14.350, 21.200, 21.350, 28.300 and 28.500 MHz.

IARU Region 2 Area Emergency Coordinator Jorge Sierra, LU1AS, reports that there is now traffic at frequencies of 40 meters from people seeking information from people in Chile: "We would appreciate if amateurs would leave free the frequencies used by RECNA, as well as the usual IARU Region 2 frequencies on in 20, 40, and 80 meters."

In addition to the above frequencies, you may also want to listen to the worldwide emergency communication Center of Activity frequencies: 14.300, 18.160 and 21.360 MHz. Other suggested monitoring frequencies are 3.720, 7.045 and 7.060 MHz. Hawaiian Amateur Radio operators on the lookout for a possible tsunami are monitoring 7.088 and 3.888 MHz.

EMCOMMWEST

EMCOMMWEST® 2010 an ARRL Specialty Convention has placed their website "on the air" at <http://www.emcommwest.org>

This year's speakers and schedule can be viewed at the site, which will continually update as new forums and sessions are added, so check back often. If you know of someone who would like to present at this event, route them to the website for a speakers package. Registration forms, vendor registration, banquet and breakfast tickets, room reservations etc. can be obtained here as well.

There are some very interesting topics to be discussed this year, including a presentation of special interest to those operating on the 420-450 band, on the USAF's new RADAR system, formerly known as Pave Paws, in Northern California. Lt. Col. Corey J. Keppler and his staff who work directly with the project at Beale will make this presentation. They will present an overview of the unit mission, explain the project and their use of the 420 450 mhz. band, and why the mitigation of interference is important to the mission. Their

presentation will be followed by a full session of Q&A to answer questions from the Amateur Radio community.

There will also be FEMA ICS and NOAA Weather Spotter training classes offered at the event, and a "get your ham license in one day" class along with VE license testing for all classes.

ARRL's CEO, Dave Sumner, K1ZZ will be the special Saturday night banquet speaker this year! Keynote speaker will be Mark Spencer, WA8SME of the ARRL. This year's EMCOMMWEST® will offer a new "Sunday Brunch" with special guest speaker, Tom Taomina, K5RC who's huge contest station in Virginia City Highlands, Nevada is legendary.

This year's EMCOMMWEST® will take place Friday April 30 - Sunday May 2, 2010 and has something for everyone! If you haven't been to one before, come to Reno's The Grand Sierra Hotel Resort, which features an indoor shopping mall, movie theatres, outdoor driving range, lots of restaurants and an on-site RV park. If you want to learn a lot, meet old friends and make new ones, have fun and "love Amateur Radio", then you just have to be at EMCOMMWEST® 2010!

FCC ALLOWS ROBOTIC DEVICE IN AMATEUR BAND

In January 2008, a company called Recon Robotics filed a request with the FCC for a waiver of Part 90 of the Commission's Rules with respect to the Recon Scout -- a remote-controlled, maneuverable surveillance robot designed for use in areas that may be too hazardous for human entry. A waiver is required to permit licensing of the Recon Scout because the device operates in the 430-448 MHz band, which is allocated to the Federal Government Radiolocation service on a primary basis, as well as the Amateur Radio Service and certain non-federal radiolocation systems on a secondary basis. More than two years later, the FCC granted the waiver request in the form of an *Order* (WP Docket No 08-63), subject to certain conditions.

In its comments filed in May 2008, the ARRL called on the FCC to deny Recon Robotics waiver request, "either permanently or even temporarily." The FCC noted in the waiver that they had received more than 70 comments "generally consisting of public safety and law enforcement entities supporting the waiver request, and amateur radio operators opposing it." In their initial waiver request, Recon Robotics asserted that even though the device operates in an area allocated to other services, including Amateur Radio, the Recon Scout operates with only 1 W peak power and it is "unlikely to cause interference to these services."

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INJURED COLORADO SKIER USES AMATEUR RADIO TO SUMMON HELP

When Steve Priem, N0YIV, of Boulder, Colorado, decided to go backcountry skiing near Yankee Doodle Lake in the Guinn Mountain area of Colorado's Roosevelt National Forest on Friday, February 19, the 60 year old ham made sure he was well prepared: Not only did he take along a rescue whistle, he made sure his handheld transceiver was fully charged and in his pack.

It's a good thing he did: When Priem was injured while skiing, he used his radio to summon help. According to ARRL Colorado Section Manager Jeff Ryan, K0RM, a ham more than 100 miles away in Colorado Springs answered Priem's call for help and called 911. Priem was able to provide GPS coordinates for his position.

LAUNCH OF NEW ARRL WEB SITE DELAYED TO "GET IT RIGHT"



After meeting with ARRL staff on February 23 -- two days before the new ARRL Web site was to launch -- ARRL Chief Operating Officer Harold Kramer, WJ1B, made the decision to delay the unveiling of the Web site until late March. "Work on the new ARRL Web site has progressed at a frantic pace but there are still some potential 'bugs' that could affect members. We need to be sure we get it right," Kramer said. "Our members' security, information and ability

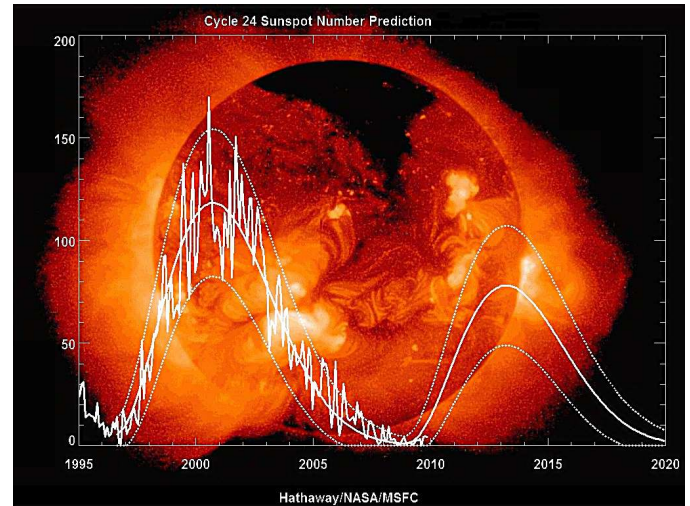
to actually *use* of all the options on the new site outweigh any rush to meet an artificial deadline. It's just good customer service."

The new Web site -- which will contain the online store, class registrations, audio, video, DXCC information, contest data, individualized member options and other 21st century opportunities for members -- is one of the largest technology upgrade activities that ARRL and Fathom, the company programming the site, have ever undertaken. "Reviewers have been unanimously impressed and are helping make sure we create the easiest, most enjoyable online experience possible," Kramer explained.

According to ARRL Media and Public Relations Manager Allen Pitts, W1AGP, the current ARRL Web site is not only used by ARRL members, but is a prime reference source for engineers, hams and wireless technicians around the world, making it the premier place to find information about Amateur Radio, its activities and the sciences behind it. "The Web is our main face to the world, and the new Web site will be fantastic," he said. "Although we all regret the delay, I believe our members will appreciate our diligence about the ease of use, security and navigation for the new site."



SOLAR UPDATE



THE K7RA SOLAR UPDATE

Tad "Late lies the wintry Sun a-bed" Cook, K7RA, reports: The unbroken string of sunspots continues. Two new groups - 1050 and 1051 -- appeared in the past two days, and we've now had *36 continuous days with sunspots*. Prior to that, there is just a single day once in a while with no spots. The last time we had more than one day of no sunspots was a few months ago, November 23 through December 8. Look for more information on the ARRL Web site on Friday, February 26, including a discussion about an increase in reports of 10 meter activity, and a "reverse beacon network" that uses CW skimmers to automatically check many frequencies from many locations, and then list the calls heard on a Web site. For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page. This week's "Tad Cookism" brought to you by Robert Louis Stevenson's *Winter Time*.



AMATEUR RADIO HISTORY

THE WAYBACK MACHINE

BY BILL CONTINELLI - W2XOY

Amateurs entered the summer of 1912 with a new Radio Act in place. Thanks to the Titanic disaster and the fear that commercial interests would try to monopolize the radio spectrum, the government stepped in and set up a licensing structure administered by the Secretary of Commerce. In the new law, amateurs (actually "private stations") were limited to a wavelength of 200 meters and a maximum power of 1kw. Since the known usable spectrum at that time ran from about 300 to 3000 meters (1000 khz to 100 khz), it was widely believed that amateur radio would fade away, without expensive government enforcement.

At first, it appeared that the bureaucrats were correct. Before the Radio Act, there were an estimated 10,000 stations. Now, there were only 1200 licenses issued by the end of 1912. Amateurs were finding it difficult to get their spark stations going on 200 meters, and, when they did, they discovered

WAYBACK MACHINE CONT.

their maximum range was 25-50 miles, instead of the 250-500 mile range they had on the longer wavelengths. Amateur radio was slowly heading for oblivion.

The big stumbling block to effective communications on 200 meters (or indeed any wavelength) was the spark transmitter and unamplified detector, both of which were extremely inefficient. On the transmitting end, no method, other than spark, was known. As for the receiver, there had been two developments in the vacuum tube area. J.A. Fleming had developed the diode detector in 1904. It cost a lot of money, provided no amplification, and used expensive batteries. It was not practical at the time, but it was covered by a patent. In 1906, Lee deForest took Fleming's valve, added a third element, called a grid, and named the result the Audion. In the right circuit, the Audion could amplify by a factor of 5x. Still, because of the cost, battery requirement, and the ever popular patent fights of the time, it went unnoticed and unused until 1912, when a 22 year old amateur made an important discovery.

Edwin H. Armstrong was an experimenter and almost militant individualist. He had obtained an Audion for use in his station. Dissatisfied with the poor amplification, he tried different circuits. At one point, he "fed back" a portion of the output back to the input to be re-amplified. Instead of just a 5x amplification, the output was now 100x stronger than the input. He also discovered that if too much feedback was used, the tube began to oscillate. This regenerative circuit was the most important discovery in radio in years. One tube could amplify more than 100x, two tubes in series could give a gain of 2000+. In addition, an alternative to spark was now available. Instead of a raspy, broad inefficient signal that took up hundreds of Khz, the Audion could be made to oscillate a stable, pure signal on one frequency. In fact, that's where the phrase c.w. comes from, (a continuous wave on one frequency rather than a broad, intermittent wave on many). Although it would take 10+ years to develop the stability in transmitters and receivers to fully utilize c.w., King Spark was doomed.

Realizing the importance of his regenerative design in both transmitting and receiving, but lacking the money to develop it, in January 1913 Armstrong had the diagrams of his circuit notarized. This was only the first of many spectacular inventions Armstrong would come up with. Within 10 years, he would also develop the super-heterodyne (now used in ALL receivers), and the super-regenerative (the basis of all VHF and UHF receivers from the 20's to the 50's, and still used today in children's walkie-talkies). Even his first design, the regenerative circuit, is used by Ten-Tec and MFJ in their receiver kits. The crowning achievement in Armstrong's career came in the 30's, when he developed Frequency Modulation. With all due respect for those who flock to Loomis, Tesla, or Marconi as the father of radio, my vote goes to Armstrong, for without him, wireless would be stuck at the 1912 level. Armstrong had a tempestuous life, full of public and private battles, advancements, setbacks and lawsuits, before his tragic death in 1954. The final legal battles didn't end until 1967. The Wayback Machine will devote an entire column to Armstrong this fall.

Meanwhile, back in 1913, word of the regenerative circuit spread quickly throughout the amateur world. Experimenters

who added the Audion to their receivers discovered that distances of up to 350 miles were now possible on 200 meters. The Audion, already scarce and expensive, became even more so under the laws of supply and demand. The search for an Audion to the amateur was like the Quest for the Holy Grail. In fact, it was this search which led to the second pivotal event in amateur radio history.

Hiram Percy Maxim was a 44 year old engineer and inventor who had a 1kw amateur station in Hartford, CT. He wanted an Audion for his receiver and was unable to locate one. Finally, he heard of an amateur in Springfield, MA, who had one for sale. Hartford was (and still is) only 30 miles from Springfield, yet Maxim's station could not cover the distance. He found a station midway between the two cities that was willing to relay his purchase offer. Maxim thought about this and eventually realized that a national organization was needed to coordinate and standardize message relay procedures, as well as act as a national lobby for amateur radio interests. On April 6, 1914, Maxim proposed the formation of the American Radio Relay League. With the backing of the Radio Club of Hartford, who appropriated \$50, and some volunteers, Maxim developed an application form explaining the purpose of the ARRL and inviting membership. These were sent out to every known major station in the country.

Maxim, like Armstrong, was a prolific inventor. Unlike Armstrong, however, Maxim was also an expert in publicity and public relations. By July, national magazines such as Popular Mechanics were writing favorable reports about the ARRL. Maxim also traveled to Washington, D.C., to explain the ARRL to the Department of Commerce and the Commissioner of Navigation.

The P.R. blitz paid off. By September, 1914, there were 237 relay stations appointed, and traffic routes were established from Maine to Minneapolis, and Seattle to Idaho. Realizing that long distances on 200 meters were not possible at that time, even with a regenerative receiver, Maxim got the Department of Commerce to authorize special operations on 425 meters (706 khz) for relay stations in remote areas.

Boosted by the publicity, the number of amateur stations, as well as the relay stations in the ARRL, continued to grow. By 1916, there were 6000 amateur licenses, (of which 1000 were ARRL relay stations) and 150,000 receivers in use. The emphasis in the ARRL was on the word RELAY; ARRL stations were expected to handle traffic on the 6 Main Trunk Lines (3 North/South and 3 East/West) that served more than 150 cities. And there was traffic. The general population (to whom phones were a luxury, long distance an exotic concept, and telegrams expensive) flocked to the idea of coast to coast free messages. As a P.R. exercise to test the system nationwide, on Washington's Birthday, 1916, a test message was sent to the Governors of every State, and President Wilson in Washington, D.C.. The message was delivered to 34 States and the President within 60 minutes. By 1917, the system was so refined that a message sent from New York to California took only 45 minutes. To deal with the increasing number of relay stations, the ARRL started a little magazine, which they called QST.

Other amateur activities in this period brought favorable publicity to the hobby. In March 1913, a severe windstorm had knocked out power, telegraph and telephone lines in the

WAYBACK MACHINE CONT.

midwest. Battery powered amateur stations handled routine and emergency traffic until regular service was restored. This was the first documented emergency communications in amateur radio history. In 1915, amateur station 2MN determined that the powerful Telefunken station at Sayville, Long Island, was sending information concerning Allied and neutral shipping to submarines at sea. Thanks to the work of this amateur, the government took over the station.

However, the war in Europe was getting closer. In April, 1917, based on continued violations of our neutrality and unrestricted submarine activity, Congress declared war against Germany.

With the U.S. now in World War I, a message went out from the Secretary of Commerce to all private stations. By order of the Chief Radio Inspector, all transmitting AND RECEIVING stations were to be closed AND DISASSEMBLED, and all antennas taken down. Complete radio silence was to remain until the war ended and the order was revoked. Amateurs by the thousands packed away their stations and marched off to war. The 200 meter band was silent. In September 1917, with no radio activity permitted and 80% of the amateurs at war, QST ceased publication.

Would amateur radio survive the war? Stay with us next month as the Wayback Machine waits for Johnny to come marching home again.

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CARC PUZZLER

PIZZA TIME

X R B B L H K B S U M V I T G J M F H Q H J Q U O
 R A U F I U Q O R E Q O A S C L K S H Y T F D X O
 S V J P A Z F G S I R E G M P H L F P R S U F N S
 Q V S Y L C X M M Z M E A O Y H K K K O D L W E G
 K G E C I H B A I I O U V K Z A S Q F C Q C K K O
 Z U M S O I N R T D I D Q E D W K T J S S J G C U
 E F V R G C Z L A Z W X B H N A T H L R R M X I R
 W M W K N K U B A E C G I O O I Y Y Z E U Z F H M
 Z Q O N J E G U W D B M D U R I U N K R H J N C E
 B C M N T N I U R I C B X S W A J G P J T W C Q T
 A K B R T G Q N D G L Y P E G N D O A T R O M B V
 X W O I W A A F I F B C I C W I I A A M A G X B E
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 D E O N Y L S U A J W A V M N S T Y B H N M G X G
 W X M R F I V N E A E O U B A I L O G R I M T R I
 Y M B C U C F D A S R K E O J K Y I V P K Y D P E
 E Q O E M E R P U S C I L R A G N A I L A T I S K

WORD BANK

- | | |
|------------------------|------------------|
| italian garlic supreme | smokehouse combo |
| guineveres | gourmet veggie |
| maui zaii | chicken garlic |
| montagues | ulti meat |
| king arthurs | wombo combo |
| bbq chicken | hawaiian |



COMING EVENTS

CERT Training – North County Fire Authority

Classes start Feb 2nd and continue every Tuesday thru March 23rd 6:30pm at Doelger Community Center Room 5, 101 Lake Merced Blvd., Daly City

See <http://www.northcountyfire.org> 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>

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: See web page for latest information

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: Saturday April 3rd 2010 8:00AM to 5:00PM

Location: El Toro School - 455 E Main Ave
Morgan Hill, CA

Registration required, class size is limited.

Web Page: <http://www.baears.com/> for info and registration.

Questions: Ross Peterson 650-349-5349 or w6zbu@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	Mar 13	Sunnyvale, CA	10:30	AM
Sat	Mar 20	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 13 th	2010 Agenda Planning, LM Fire Station
Feb 10 th	2010 Agenda Finalizing, LM Fire Station
Mar 10 th	LM Round Table Pizza
Apr 14 th	Linda Mar Fire Station
May 12 th	Linda Mar Fire Station
Jun 9 th	Field Day Planning Mtg, LM Fire Station
Jun 26-27	CARC Field Day, Sweeney Ridge
Jul 14 th	Field Day Wrap-Up Mtg, LM Fire Station
Aug 11 th	Back to School Nite w/ KE6MNJ - LM Fire St.
Sep 8 th	Linda Mar Fire Station
Sep 11 th	T-Hunt and Picnic, Frontierland Park-Pacifica
Sep 25-26	Pacific Coast Fog Fest, Pacifica
Oct 13 th	2011 Officer Nominations, LM Fire Station
Nov 13 th	Election Dinner, Nick's Restaurant
Dec 8 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 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 Casey-N6TZE

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	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				
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Web-Hosting	Joe Pistritto	N3CKF	(650) 464-4859	n3ckf@arrl.net
Website	Dorene Bevington	KE6AGG	(650) 359-5194	ke6agg@arrl.net

COASTSIDE COMMUNICATOR

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

FIRST CLASS

TO:



MEETING NOTICE:

PIZZA MEETING (NO HOST)
 MARCH 10TH 2010 - 730PM
 ROUND TABLE PIZZA
 LINDA-MAR SHOPPING CENTER



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

WWW.COASTSIDEARC.ORG