



---

---

# THE COASTSIDE COMMUNICATOR

---

---

VOL. 41, No. 1

JANUARY 2009

---

---

WWW.COASTSIDEARC.ORG

---

## PRESIDENT'S COLUMN

Where has 2008 gone?

Happy New Year! This year we will have a new President in the White House and the economy is in shambles.

For those wishing to up grade your license, there will be a ham cram class January 24<sup>th</sup> in Los Altos CA. For details, go to [www.baears.com](http://www.baears.com) to find out. Our next meeting will be located at the Linda Mar Fire Station January 14. See you there.

73...Bob-W6LOG

## DECEMBER MINUTES

The last monthly meeting of 2008 was called to order at 1930 hrs by club president Bob Barbitta-W6LOG in the basement of the Linda Mar fire station in Pacifica. Self-introduction by the members and guests followed.

The minutes from the November meeting, as recorded in the December newsletter, were approved by voice vote, on a motion by Ralph Bailey-K6DLZ and second by Dave Lawrence-KF6TWW. President Barbitta directed that at future meetings the minutes from the previous meeting will be read for the membership before being approved or amended, in accordance with Robert's Rules of Order.

## TREASURER'S REPORT

Frank Erbacher-N6FG provided the following report of the club's financials: \$1487.00 in the general fund; \$2445.97 in the repeater fund; \$365.91 in the digipeater fund, and \$1739.61 in the EOC fund. These individual fund totals add up to a club total of \$6038.49. A check was received from the Pacifica FogFest organizers for \$1400 for services provided by the Club. Outlays included \$30.00 to print and mail the December newsletter.

## MEMBERSHIP

Total club membership stands at 81 with 76 licensed members, 59 of whom are ARRL members.

## COMMUNICATIONS

Newsletters were received from the San Francisco Amateur Radio Club, the Santa Clara Amateur Radio Association and the Santa Cruz Amateur Radio Club ("Short Skip").

## COMMITTEE REPORTS

### REPEATER

Operational. Bill Dunbar-N6IMS, via Frank Erbacher, reports that the receiver sensitivity seems to be decreasing but that he has not had time to get up the hill to check it out.

### AUTOPATCH

Operational

### DIGIPEATER

Operational

### EMERGENCY SERVICES

David Rinck-K6DMR has checked out the new 2 meter/440 radio installation in the EOC and is updating the EOC manuals with the current local frequencies, and radio manuals.

### FIELD DAY

No Report

### NEWSLETTER

No Report

### WEBSITE

Up and running

## OLD BUSINESS

1. General consensus was that the November dinner meeting at Nick's was most enjoyable and that the club would use continue to book Nick's for the November dinner. The date for the next dinner meeting was tentatively changed from the customary second Saturday in November to the first, November 7<sup>th</sup>, 2009.

2. Bob Barbitta is still looking for membership input regarding a change of time for the Wednesday net in the hope of increasing participation. Members are requested to provide their input to him directly.

## NEW BUSINESS

1. Frank Erbacher observed that the satellite phones at the Pacifica Police Station was of the handheld variety with a rubber-duckie antenna. The phones need an outside antenna.

2. Bob Barbitta observed that D-Star interference with established repeater operations in the Bay area is becoming

common and urged the group to report any interference that they experience to him.

3. Frank Erbacher provided a description of the FogFest operation for the new members and guests presents. Frank made a motion that money received from the FogFest operation this year be put in the EOC fund and tracked as FogFest monies. Frank's motion was seconded by Dave Lawrence and approved on a voice vote.

4. Roger Spindler-WA6AFT is erecting a new shed in his back yard in which the field day generator will be stored. Members are welcome to access the shed as required to use the generator.

5. Ed Freeman-KD6TWK will not be available to honcho the club Field Day this year. Frank Erbacher will also be unavailable to provide his usual organizational skills.

6. Joe Pistrutto-N3CKF had modeled some of the local repeaters and has offered to put the information on the club web site.

The business meeting was adjourned at 2000 hr on a motion from Jane Bailey-KF6PGF, and a second from Frank Eracher.

The ensuing annual potluck dinner/feast followed and was mightily enjoyed by all!

### ***PRESENT AT THE MEETING***

Members present included Bob Barbitta-W6LOG, Roger Spindler-WA6AFT, David Rinck-K6DMR, Barbara Erbacher-K6IIP, Frank Erbacher-N6FG, Tom Mullarkey-AA6TM, Dave Lawrence-KF6TWW, Jane Bailey-KF6PGF, Ralph Bailey-K6DLZ, Carol Genovesi-KG6PNS, Ron Genovesi-N3ETA, Bill Lillie-N6BCT, Ed Freeman-KD6TWK, Mark Chidester-KI6LFL, Casey Villyard-N6TZE, Ron Purser-WB9EGG, Joshua Villyard-KI6UJU, Doreen Bevington-KE6AGG, Michael Bevington-AA6XL, Adrian Bevington, Joe Pistrutto-N3CKF, Scott Mercer-KI6SEJ and George Tucker-W6HAF.

The following guests of the club were present: Arnott Smith-KF2TM, George Fenisey-N6GYR, Justyn Zachariou, and Paul Purser



## **NEWS**

### ***FIELD DAY DILEMMAS FOR 2009***

At the last meeting our Field Day Chairman Ed, KD6TWK, informed the Club that he will be on a trip with his family for the Field Day period in 2009. Ed prepares and submits the permit forms and follows through with the permit though the process.

Also at this meeting Roger, WA6AFT, who has been a Field Day stalwart since before I joined the club in the mid 1970's, said he will no longer be delivering "The Generator" to Field Day. He still will house it at his place with access granted to the club.

As I have been saying for the last two years, I also will be gone for Field Day 2009. All of my Field Day equipment and the Club's equipment including what Ed has will be packed up onto and into my Van before I leave and available for the clubs use for this period.

If Field Day 2009 is going to happen for the CARC we need a very early list of those who can and will commit to Field Day 2009. We need to know who can and will take over these activities or help and operate at Field Day. All of our normal procedures which take place each year will be documented for all and check lists will be provided.

Some of the specific commitments needed:

2009 Field Day Chairman or Co-Chairmen. This person (or persons) is in charge of seeing that the whole operation is complete.

Commitments to deliver Field Day equipment to and from the site on Saturday AM and Sunday AM. This includes the van and porta-potty that is on wheels. Also the generator and its gasoline will need a pick up truck, trailer or van.

Extra Class or at least General Class operators are needed for control operators. They need to be available and scheduled to cover the entire 24-hour period of operation.

At least a few persons must be on the site at all times and to operate to make it worthwhile. And of course sufficient volunteers are needed to be there at setup and take down.

Complete the ARRL Log Submittals: Using our logs prepare and submit them soon after the Field Day. Logs at Field Day may be either by computer hopefully or else hand. In any case they must be submitted by computer.

It is very important that you commit sooner rather than later to unsure that this event can take place. There are a lot of details that are easy to work out but you are needed to meet with early. So please contact either Ed, KD6TWK at 650-755-9234, [kd6twk@arrl.net](mailto:kd6twk@arrl.net) or Frank-N6FG, at 650-355-4355, [n6fg@arrl.net](mailto:n6fg@arrl.net) to sign up.

73's Frank-N6FG

### ***TID BITS FROM MEMBERSHIP RENEWALS***

There are only 24 Current 2009 Member, Renewals and New. Longest Licensed: 69 years, 62 years and 50 years.

Can you guess the names? I'll give Correct answers the next meeting and in the Communicator newsletter.

Frank-N6FG

### ***ARRL UPDATE***

#### **RESTRICTIVE LOCAL ZONING ORDINANCE PROPOSED AS COURT DATE IN CALIFORNIA ANTENNA CASE NEARS**

As his February 2009 court date approaches, Alec Zubarau, WB6X, of Palmdale, California, gets ready to battle his town after being ordered to dismantle his previously approved antenna system. The City of Palmdale has widened its opposition to Amateur Radio antennas by proposing an ordinance written to thwart the installation of antenna support structures throughout the city

[http://www.arrl.org/news/files/Palmdale\\_Antenna\\_Ordinance\\_DRAFT.pdf](http://www.arrl.org/news/files/Palmdale_Antenna_Ordinance_DRAFT.pdf).

## ARRL UPDATE CONT.

In 2005, Zubarau applied for a building permit to erect an antenna support structure on his property. The City approved his request, and building permit in hand, Zubarau installed a 22 foot tall crank-up tower (with an ultimate height of 55 feet), but did not place an antenna atop the structure. He also installed a 23 foot tall mast on his house, for a total mast height of 43 feet; he installed an inverted-V on the mast. In January 2007, he placed a 4 element 20 meter SteppIR antenna on the crank-up tower, and the neighbors started complaining to the City.

ARRL Southwestern Division Vice Director Marty Woll, N6VI, said that the neighbors' assertions consisted of what he called "the typical complaints: Aesthetic impact, diminution of property values and RF interference. The RFI complaints were general in nature; no direct evidence was shown of actual RFI, but the City's Planning Commission staff took the position that based on anecdotal evidence presented by the homeowners, the transmissions occurring from the antenna are causing interference with electrical equipment in the surrounding neighborhood."

Woll said that after Zubarau installed the StepIR in 2007, the City of Palmdale, acting on a petition signed by almost 70 of Zubarau's neighbors, voted to revoke Zubarau's original building permit after he had relied on it in putting up his tower. "In order to gain a continuance, Zubarau told the Planning Commission he would remove the SteppIR, in essence, reverting his antenna configuration back to the way to it was before he installed the antenna" said Len Shaffer, WA6QHD, Zubarau's attorney. "At the next hearing, he was ordered to remove not only the antenna, but the support structure, as well."

The City's planning staff also pointed out that Zubarau's recently erected horizontal array extends three feet into the required 10 foot sideyard setback, and that the active array exceeds thirty feet in height beyond the limit in the ordinance.

"Because Zubarau's permit referred to the support structure as 'an antenna with cage (the base)' and the Planning Commission called it a tower antenna, everyone assumed it was indeed an antenna," Shaffer recalled. "When I pointed out to the Planning Commission that it was nothing more than a support structure and did not radiate, they were surprised. They asked if the support structure functioned as an antenna without the horizontal element. I told them it did not. Judy Skousen, Palmdale's Assistant City Attorney, told the Commission did not matter -- the permit and application was for a tower antenna and that is what it was. It did not matter if the nomenclature was added by city employees rather than Zubarau."

"After exhausting his administrative remedies, Zubarau challenged the action in the courts, aided by Shaffer," Woll said "The court date has been set for early February 2009." Woll continued, saying that the planning staff is placing the burden on Zubarau, saying that he has not submitted a site-specific engineering study showing that the operation or transmission from his house is not interfering with residential uses.

The staff also notes that the FCC has failed to resolve RFI complaints in this matter, inferring that the City must act to solve them.

## \* Palmdale Proposes Rewrite of Amateur Radio Antenna Ordinance

Shortly after issuing the permit revocation order, ARRL Southwestern Director Dick Norton, N6AA, said that the City of Palmdale began drafting an amended antenna ordinance that placed severe restrictions on all Amateur Radio antennas. "The draft was released just before Thanksgiving, and a hearing was scheduled for December 4," Norton said. "Prior to that hearing and at the request of Vice Director Marty Woll, N6VI -- who attended the Palmdale Planning Commission meeting along with about a dozen local hams and supporters -- ARRL General Counsel Chris Imlay, W3KD, wrote a lengthy letter to the City Attorney pointing out numerous flaws in the proposed ordinance and explaining why many of its provisions are void or unenforceable, being pre-empted by federal or state law."

In his letter, Imlay explained to the City that it is without authority to resolve RFI complaints; the jurisdiction is solely that of the FCC, as stated in the Communications Act of 1934, as amended. "The Federal Communications Commission has exclusive jurisdiction over radio frequency interference (RFI) matters, and technical matters specifically," he said.

Imlay pointed out that the "first specific concern in the draft ordinance is the statement that 'an Amateur Radio antenna, the operation of which causes unreasonable interference with electrical equipment in the surrounding neighborhood, is not compatible with that neighborhood.'"

This is "patently false," Imlay said, stating "there is no correlation between the presence of an outdoor Amateur Radio antenna, its height, configuration or placement and radio frequency interference (RFI) to home electronic equipment. As a matter of technical fact, the higher an antenna, the lower the electrical field in the horizontal plane of the home electronic equipment, and the less the likelihood of RFI in that equipment. Furthermore, the 'cause' of RFI is not the power of an Amateur Radio station, or the presence of an antenna, but rather the inability of home electronic equipment to reject unwanted signals. FCC regulations clearly obligate most home electronic equipment to accept any interference from licensed radio services as a condition of the permitted marketing and operation of that equipment."

Furthermore, in a Conference Report from the 97th Congress in 1982, Imlay explained that Congressional report "...is further intended to clarify the reservation of exclusive jurisdiction to the Federal Communications Commission over matters involving RFI. Such matters shall not be regulated by local or state law, nor shall radio transmitting apparatus be subject to local or state regulation as part of any effort to resolve an RFI complaint. The Conferees believe that radio transmitter operators should not be subject to fines, forfeitures or other liability imposed by any local or state authority as a result of interference appearing in home electronic equipment or systems. Rather, the Conferees intend that regulation of RFI phenomena shall be imposed only by the Commission."

Saying that the Conference Report went on to clarify "that the exclusive jurisdiction over RFI incidents (including preemption of state and local regulation of such phenomena) lies with the FCC," Imlay told the City of Palmdale that "Obviously, state or local regulations based on interference

## ARRL UPDATE CONT

from one radio service to another would directly frustrate the intention and goals of the Communications Act of 1934, as amended."

Imlay said that in 1985, the FCC said that the "federal power in the area of radio frequency interference is exclusive; to the extent that any state or local government attempts to regulate in this area, [its] regulations are preempted." Imlay explained that the FCC concluded that the Federal regulatory scheme is so pervasive that it is reasonable to assume that Congress did not intend to permit states to supplement it.

According to Shaffer, the City of Palmdale does not think antenna support structures are "compatible" with the town's image: "The Mayor told the Council that while, if a house was built that was not compatible with the neighborhood, they would not bulldoze it to the ground, this is 'just an antenna,' and they can get rid of it if they want to," Shaffer said.

## \* Going to Court

Norton said that the ARRL's Amateur Radio Legal Defense and Assistance Committee has voted to contribute \$5000 toward the cost of Zubarau's lawsuit against the City of Palmdale. "More than \$1500 has already been contributed by clubs and their members from throughout the Southwestern Division, and this contribution from the League-managed Antenna Defense Fund will further help defray the expenses of preparing for the February 2009 court date," Norton said. "Len Shaffer is performing the legal work pro bono, but even just compiling the record to present in court can be costly."

ARRL Defense Committee Chair Jay Bellows, K0QB, said that although the case has not yet reached the appellate level, "The egregious nature of Palmdale's actions -- including ordering removal of a previously approved antenna tower -- the potential impact on a large number of amateurs and the existence of substantial local financial support from the ham community were significant factors in the Committee's decision to provide support for this case."

Bellows said he has participated in nearly 100 tower and antenna matters, from working with local hams and municipalities on tower ordinances to individual tower issues including litigation at the local and appellate level over the past 20 years. "If I've learned anything," he said, "I learned that a simple, clear explanation of who we are, what we do and why the antenna is needed are essential. Even if those steps are perfectly executed, the local authority (in this case, the City of Palmdale) has to be convinced that: 1. Federal law trumps the local zoning interests either generally or in the particular case; 2. The amateur is going to be politely persistent despite opposition from the locality; 3. The cost to the locality in time and treasure will exceed any political benefit in 'protecting its citizens from the scourge and despoliation of ugly Amateur Radio antennas.' Still, the single most important factor is that the amateur should always be the guy in the 'white hat,' no matter how reprehensible or offensive the actions of the locality or the opposing neighbors."

Norton went on to say that Woll has met with Palmdale hams and the management of the Palmdale Public Safety Department, who he described as "supportive of hams." Woll and Keith Hoyt, K6GXO, will meet with Palmdale's Planning Department and Assistant City Attorney in early January. "The proposed ordinance has been the subject of considerable

discussion in Amateur Radio circles," Norton said. "Local hams, [as well as] Division and National League representatives are devoting considerable time and effort toward resolving the issue."

## ARRL FINALIZES PLANS FOR SILVER ANNIVERSARY OF AMATEUR RADIO FROM SPACE

The Amateur Radio on the International Space Station (ARRL) <http://www.rac.ca/ariss/oindex.htm> team is currently celebrating the silver anniversary -- 25 years -- of Amateur Radio operations from space. According to ARRL International Chairman Frank Bauer, KA3HDO, the crew on the International Space Station (ISS) has configured the radio to support cross-band repeater operations. They have also supported some SSTV downlinks and participated in a special test of 9600 baud packet radio operations on the simplex frequency of 145.825 MHz. After December 19, Bauer said he expects the ISS ham radio system to be on the 145.825 MHz frequency supporting 1200 baud packet. If PCSAT is configured during the week, he said double hop APRS is possible.

"During the week of December 21-26, we plan to support the cross-band repeater mode with a twist," Bauer said. "Our intent is to configure the radio for 145.99 MHz uplink -- including CTCSS tone of 67.0 and 437.80 MHz down. This will be performed in low power mode. We should also note that an extra-vehicular activity (EVA) is planned for that week -- Expedition 18 Commander Mike Fincke, KE5AIT, and Flight Engineer Yury Lonchakov, RA3DT, plan to perform a spacewalk on December 22. As per standard procedure, the ISS ham radio system will be turned off for the EVA."

Bauer said that from December 28-January 3, the cross-band repeater will be reconfigured for what he called "a special experiment. This will be a test of our L-Band uplink capability, which, to date, has not been proven out. Plan for an uplink of 1269.65 MHz and a downlink on the standard frequency of 145.80 MHz, using low power," he said. "Given the substantial cable losses of the L-band system, we hope some 'big guns' are able to penetrate through, keep up with Doppler and make the connection."

A special certificate is being developed for those who communicate with the ISS from November 30, 2008 to January 15, 2009. This certificate will be awarded to those who have had two-way communications with the ISS on voice, packet (APRS) or through the voice repeater. Those who hear the ISS from space in any of the ARISS operations modes -- voice, SSTV, school contact, voice repeater or digital - will also be eligible to receive a certificate.

To receive the certificate, Bauer said to note the ARISS mode of operation (such as SSTV, voice or school) on your QSL and whether the contact was one-way (receive only) or two-way. "You should send your self-addressed, stamped envelope to the normal ARISS QSL volunteer distributor in your area of the world," he explained. "On the outside of the QSL envelope, please include the words '25th Anniversary Certificate.' Make sure your envelope is big enough to accept an 8.5 x 11 inch certificate and includes the proper postage." If you do not know where to send your QSL, check the ARISS Web site

ARRL UPDATE CONT

[http://www.rac.ca/ariss/oindex.htm#ARISS\\_Update--25th\\_Anniversary\\_of\\_Ham\\_Radio\\_in\\_Space](http://www.rac.ca/ariss/oindex.htm#ARISS_Update--25th_Anniversary_of_Ham_Radio_in_Space) to find the one that serves your part of the world.

"We will be sending your certificate to the volunteer distributors in bulk after the event is over," Bauer said. "This saves workload and money. So do not expect to see it until 1-2 months after the event closes on January 15." Bauer reminded hams that due to ISS flight requirements related to spacewalks and vehicle activity, the radio onboard the ISS may be off for some portion of this schedule. School contacts and general QSO opportunities by the crew will also preempt this schedule for short periods of time. "But remember that if you hear these," he said, "you still qualify for a commemorative certificate. Enjoy the ARISS ops on ISS!"

FREQUENCY CHANGE FOR CANADIAN TIME TRANSMISSION STATION CHU

After 70 years of broadcasting Canada's official time, the National Research Council's shortwave station CHU

[http://inms-ienm.nrc-cnrc.gc.ca/time\\_services/shortwave\\_broadcasts\\_e.html](http://inms-ienm.nrc-cnrc.gc.ca/time_services/shortwave_broadcasts_e.html) will move the transmission frequency for the 7335 kHz transmitter to 7850 kHz. The change goes into effect at 0000 UTC on January 1, 2009.

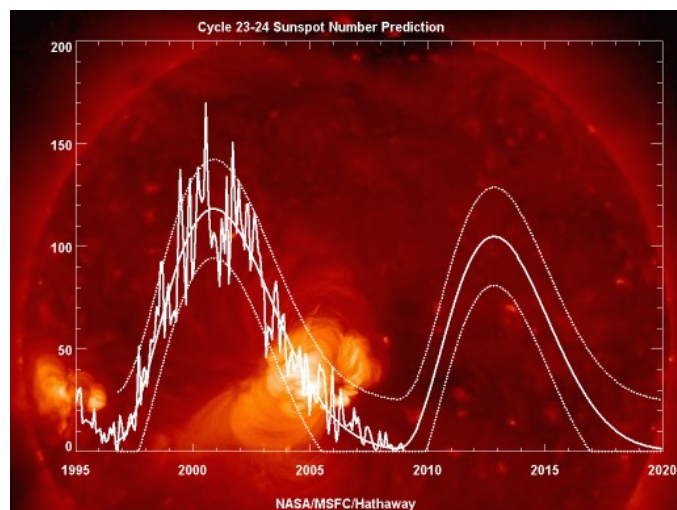
Broadcasting 24 hours a day, CHU is a part of NRC's system for disseminating official time throughout Canada. Listeners hear tones to mark the seconds, a voice to announce the time in French and English and digital data to set computers. The atomic clocks at CHU are part of the ensemble of clocks in the time and frequency research laboratories at the National Research Council Canada in Ottawa. The NRC clocks are used in conjunction with clocks in the time laboratories of other countries to construct the internationally accepted scale of time, UTC (Coordinated Universal Time). Time Transmissions on 3330 and 14670 kHz are not affected and will continue as before.

In April 2007, the ITU reallocated the 7300-7350 kHz band from the fixed service to the broadcasting service. Since then, the NRC said there has been a lot of interference on the 7335 kHz frequency from many information broadcasters around the world. "CHU listeners in Canada and around the world who have for so long considered the 7335 kHz frequency exclusively for time signals, are very vocal about this interference," said Raymond Pelletier, Technical Officer at the NRC-Institute for National Measurement Standards, who oversees the CHU facility. "We have heard from Amateur Radio operators, watchmakers, astronomers and navigators who use the tones and voice signals. We also received comments from those who use the carrier as a calibration source at a distance for their equipment."

Pelletier noted that a leap second [http://inms-ienm.nrc-cnrc.gc.ca/faq\\_time\\_e.html](http://inms-ienm.nrc-cnrc.gc.ca/faq_time_e.html) will be added at the end of December 2008; this will be indicated in the digital code until the time of the leap second. DUT1 will go from -0.6 to +0.4 seconds and will be indicated by double tones near the start of the minute and in the broadcast code [http://inms-ienm.nrc-cnrc.gc.ca/time\\_services/chu\\_e.html](http://inms-ienm.nrc-cnrc.gc.ca/time_services/chu_e.html).



SOLAR UPDATE



THE K7RA SOLAR UPDATE

Tad "We twa hae paidl'd in the burn frae morning sun till dine" Cook, K7RA, this week reports: Last week's sunspot group was only visible for three days, December 10-12. The average daily sunspot number for all of 2007 was 12.8; if we see no sunspots for the rest of 2008, the average for this year will be 4.7. By comparison, the yearly averages of daily sunspot numbers during the last solar minimum (1995-1997) were 28.7, 13.2 and 30.7. This solar minimum is much lower than the one about 12 years ago. Sunspot numbers for December 11-17 were 12, 14, 0, 0, 0, 0 and 0 with a mean of 3.7. The 10.7 cm flux was 70.2, 71, 69.7, 68.8, 68.9, 69.4 and 68.8 with a mean of 69.5. The estimated planetary A indices were 3, 2, 1, 0, 1, 4 and 5 with a mean of 2.3. The estimated mid-latitude A indices were 4, 2, 1, 1, 1, 4 and 3 with a mean of 2.3.

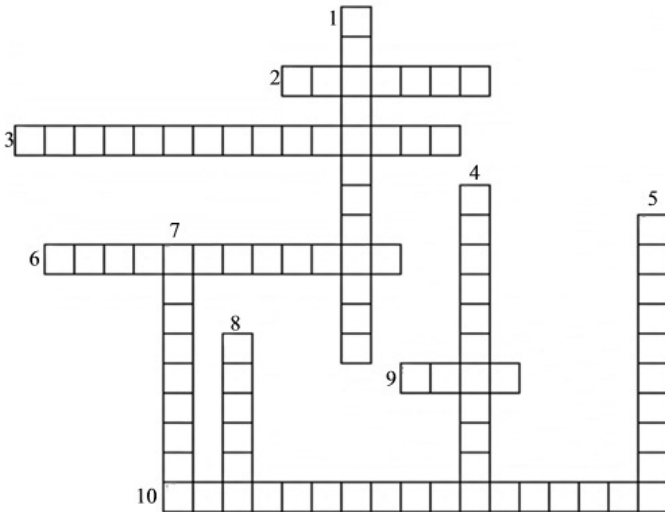
For more information concerning radio propagation, visit the ARRL Technical Information Service Propagation page <http://www.arrl.org/tis/info/propagation.html>. To read this week's Solar Report in its entirety, check out the W1AW Propagation Bulletin page <http://www.arrl.org/w1aw/prop/>. This week's "Tad Cookism" brought to you by Robert Burns' "Auld Lang Syne" <[http://www.rabbie-burns.com/the\\_poems/auldlangsyne.cfm.html](http://www.rabbie-burns.com/the_poems/auldlangsyne.cfm.html).



## CARC PUZZLER

RADIO AMATEUR 1969

40 YEARS OF ARRL - CARC AFFILIATION



### Across

2. Relationship between current, voltage and resistance
3. CPS
6. Waste of power in an iron core.
9. Unit of electrical power
10.  $X_L = X_C$

### Down

1. T-RC where T is?
- 4 Reciprocal of Resistance
5. Useful power out vs input power.
7. Device with energy stored in electric field between plates.
8. Connected end to end.



THE 2009 MEMBERSHIP FORMS  
ARE NOW AVAILABLE!

RENEW YOUR MEMBERSHIP  
TODAY!

CONTACT FRANK-N6FG



## COMING EVENTS

**Livermore Swap Meet** – 1<sup>st</sup> 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](mailto:swap@livermoreark.org)  
Web Page: <http://www.livermoreark.org/swap/swap.html>

**Lunch at Harry's Hofbrau** - 3<sup>rd</sup> 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** – 2<sup>nd</sup> Saturday of each month from March through October.  
De Anza College in Cupertino, CA. 7AM to noon  
Web Page: <http://www.electronicfleamarket.com/>  
Talk-In: W6ASH 145.27- (100Hz PL)  
N6NFI 145.23- (100Hz PL)

**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](mailto:davel@wcf.com)  
Web Page: <http://www.wcf.com/aero/exams/>  
When: Sunday, Jan 25<sup>th</sup>, 2009 8:45AM - 3:00PM  
Location: San Francisco County Fair Bldg., Hall of Flowers – Rec. Room, 9<sup>th</sup> Ave and Lincoln Way, San Francisco, CA

### Bay Area Educational Amateur Radio Society

Offering a one day study session for Technician or General theory, followed by testing. Fee: \$30.00  
(Morse Code tests will not be given.)  
When: Saturday, Jan 24<sup>th</sup>, 2009 8:00AM – 5:00PM  
Location: Los Altos, CA  
Registration required, class size is limited.  
Web Page: <http://www.baears.com/> for info and registration.  
Questions: Ross Peterson 650-349-5349 or [wb6zbu@arrl.net](mailto:wb6zbu@arrl.net)

### Silicon Valley Volunteer Examiner Group

First and third Saturdays of each month, 8AM-11AM.  
Compaq Computer, 19333 Vallco Parkway, Cupertino, CA.  
E-mail: (preferred): [mojoteri@attbi.com](mailto: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](mailto:wb6imx@worldnet.att.net)

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

Sat	Jan	Sunnyvale, CA	10:30	AM
Sat	Jan	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.

You can see all the practice tests at:

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

**CARC MEETING/EVENT SCHEDULE**

Jan 14 <sup>th</sup>	2009 Agenda Planning, LM Fire Station
Feb 11 <sup>th</sup>	2009 Agenda Finalizing, LM Fire Station
Mar 11 <sup>th</sup>	?
Apr 8 <sup>th</sup>	?
May 13 <sup>th</sup>	?
Jun 10 <sup>th</sup>	?
Jun 27-28	CARC Field Day, Sweeny Ridge
Jul 8 <sup>th</sup>	?
Aug 12 <sup>th</sup>	?
Sep 9 <sup>th</sup>	?
Sep ?	T-Hunt and Picnic, Frontierland Park-Pacifica
Sep 27-28	Pacific Coast Fog Fest, Pacifica
Oct 7 <sup>th</sup>	2010 Officer Nominations, LM Fire Station
Nov ?	Election Dinner, Nick's Restaurant
Dec 9 <sup>th</sup>	Holiday Potluck Dinner Meeting, LM Fire

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



**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.

Permission is granted to reproduce any material of this publication; provided credit is given to the author, the Coastsides Communicator, and one copy of the reproduced article is sent to the club.

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](mailto:aa6pl@arrl.net)

## Wednesday

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

## Saturday

9:00 AM on 3.852 MHz, or the  
 first clear frequency up/dn.  
 (alt freq of 7.228 MHz.)  
 Coastside Saturday Morning  
 Group.  
 Contact Bill Lillie-N6BCT  
[n6bct@arrl.net](mailto:n6bct@arrl.net)  
 (650) 726-3630

CLUB OFFICERS				
Office	Name	Call	Phone	E-Mail Address
President	Robert Barbitta	W6LOG	(650) 878-8716	w6log@arrl.net
V. President	Ralph Bailey	K6DLZ	(650) 341-6236	kc6dlz@aol.com
Secretary	George Tucker	W6HAF	(650) 728-2823	w6haf@arrl.net
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	Ed Freeman	KD6TWK	(650) 755-3498	kd6twk@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
Trustee of Club Call	Frank Erbacher	N6FG	(650) 355-4355	n6fg@arrl.net
Web-Hosting	Joe Pistrutto	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:  
 AGENDA PLANNING MEETING  
 JANUARY 14<sup>TH</sup> 7:30PM  
 LINDA-MAR FIRE STATION  
 PACIFICA, CA



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

[WWW.COASTSIDEARC.ORG](http://WWW.COASTSIDEARC.ORG)