

**W6OTX****W6ARA****PAARA NEWSLETTER**

VOLUME 58, NUMBER 5, May 2008

**K6OTA****K6YQT**

# PAARAgraphs



Celebrating 71 years as an *active* ham radio club—*Since 1937*  
The Palo Alto Amateur Radio Association, Inc.



## CALENDAR

- May..... 2, **PAARA Meeting**, 7:30  
Menlo Park Recreation Center  
700 Alma Street, Menlo Park
- May .....7, **PAARA Board Meeting**, 7:30  
Red Cross Bld., 400 Mitchell Ln., Palo Alto
- Jun.....6, **PAARA Meeting**, 7:30
- Jun ....11, **PAARA Board Meeting**, 7:30
- Jul 11, **PAARA Meeting**, 7:30
- Jul 16, **PAARA Board Meeting**, 7:30



## President's corner

~Kristen McIntyre, K6WX



May 08

I've just returned from another trip to Japan and am dealing with the usual jet lag. For whatever reason, it's been harder to recover from the lack of sleep this time, so please bear with any grammar and spelling errors. Unfortunately I had just missed the cherry blossoms. Nevertheless I had a grand time over

there and even saw a few multi-element HF beams sitting on the tops of buildings in Tokyo.

I spent some time in Akihabara, the section of Tokyo in which many electronics vendors gather to sell their wares. It's like a whole area with nothing but Halted like companies. There is apparently still a vibrant community of experimenters, vintage gear collectors, and ham radio operators there. I took the opportunity to visit a couple of the ham radio stores there to ask about 1.2GHz gear and to pick up a case for my replacement HT for the one which was stolen. I found a very nice guy running one shop who asked me all about the US and what I was doing in Japan. It was a very nice visit and he gave me a discount on the case. Amusingly, since he didn't have the case in stock, he called to another store on 2m and had that guy come over and deliver the item. I suppose they will make it up to each other at another time.

Another batch of cards has just come in from the 'buro' and it was wonderful to get these concrete artifacts of some fun contacts on HF. They were from all over the world and it motivated me to find some time in my increasingly busy schedule to hunt for DX on the low bands. As many of you know, this is my favorite part of ham radio operating and it's one which I have not been able to pursue lately as a result of work. I really hope to get back to it very soon.

PAARA's monthly board meeting was delayed this month since I was away, but we did meet on 18 April. I'd like to extend my thanks publicly to **Joel, KD6W**, and **Doug, KG6LWE**. We ended up at Doug's house ultimately; however, Joel had originally offered to host our meeting at his house. Thank you both for offering your homes to help us con-

(Continued on page 52)Pres Corner

## NEXT MEETING

May 2 2008

**SPEAKER**

AND

**PROGRAM**

**Kristen McIntire K6WX**

**Propagation Physics**

As amateur radio operators we experience propagation of RF energy first hand. At times this propagation may seem mysterious and strange, however, it can be modeled by our current physical understanding of electromagnetics. This allows us to make some predictions about how propagation will unfold. Our understanding falters when RF energy propagates in environments that are far to complex to contain within the best models we can build. This is when the mystery returns. This talk will explore our physical understanding of propagation, what factors govern it, and how it interacts with the environment and ionosphere. Amateur radio operators can, using this understanding, make better choices for more efficient RF propagation.

Kristen McIntyre, K6WX, has been interested in radio since she was about 5 years old. She started in Amateur Radio in 1979 getting her ticket while at MIT. Kristen has worked in

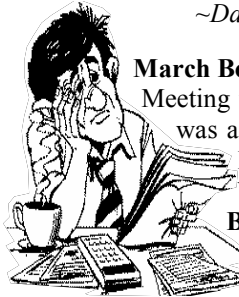
(Continued on page 52)program





## BOARD OF DIRECTORS MEETING.

~David Ungar W6DH, PAARA Secretary



### March Board Meeting Minutes

Meeting was held at the Palo Alto Red Cross and was already in session when I arrived at 7:30. Present were **David Cooper KE6PFF**, **Vic Black AB6SO (Past. Pres.)**, **Byron Beck KG6UOB (Dir.)**, **Joel Wilhite KD6W (VP)**, **Gerry Tucker N6NV (Dir.)**, **Rick Melrose K6RDM (Membership)**, **Doug Teter KG6LWE (Dir.)**, **Peter Sheerin K6WEB**, **Rob Riley KI6INR (Dir.)**, **Kristen McIntyre K6WX (Pres.)**, **Ron Chester W6AZ (Treas.)**, **Wally Porter K6URO (Ed.)**, and myself, **David Ungar W6DH (Sec.)**. A quorum was present.

**Joel KD6W** brought up a great idea for a possible future trip. **Kristen K6WX** mentioned that the club needs an event chair and is seeking a volunteer. Hard copies of the minutes of the February Board Meeting were handed out and accepted by acclamation.

**Ron W6AZ** delivered the Treasurer's report: Our raffle did well, and we all expressed appreciation to **Jim Rice K6AK** for all his work on the raffle. Next, Ron reported on his work to set up the signature authority for the club's bank accounts according to the previous board meeting. As stated in the previous meeting's minutes:

*"the Board passed a motion setting policy about signature authority: At all times, two members of the duly elected Board shall have signature authority over every one of the club's bank accounts. These two members shall be comprised of the Treasurer, and one other elected Board member, who may be either the President, or an elected Board member appointed by the President. After passing this motion, **Kristen K6WX** appointed me, W6DH, as the other signature holder. In order to put this policy into effect, **Ron W6AZ** will obtain the signature cards for the accounts."*

Accordingly **Ron W6AZ** has been working hard on putting this into effect, and reported that this work is in process, and that he needs to obtain a signature from a past official to complete this task. Ron suggested that **Gerry N6NV** also be given signature authority because changing signature authority is so arduous. The matter was discussed, and then tabled.

**Kristen K6WX** reported that she has contacted the Menlo Park Rec. Center about obtaining a contract for the club's use of the meeting room for this year, but has not heard back yet. She stated that she would keep trying.

**Doug KG6LWE** will be obtaining information on badge costs with magnetic clasps.

**Doug KG6LWE** also reported on the progress of the Field Day Committee. They will be informing the members and signing up helpers at our regular club meetings.

**Kristen K6WX** asked about the club e-mail list. It is awaiting follow-up by **Rick K6RDM**.

Moving on to new business, we regretfully heard that **Dennis Wilson KA6LSW** will not be able to remain as our primary webmaster. We will have to find another.

**Kristen K6WX** reminded us that we will need volunteers for our August Flea Market. We also agreed to empower our ASVARRO representative **Rolf Klubo N6NFI** to advocate that the Red Cross always have the June Flea Market slot.

**David Cooper KE6PFF** gave **Ron W6AZ** a check for PAARA's share of the banquet proceeds from the last two years.

Meeting was adjourned at 8:20.

Addendum: These minutes approved by the Board on 4/18/08.

~David Ungar W6DH

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## Field Day Technology

We are using a top down approach to design our field day which helps us to organize the event into groups centered on each of the operating stations. The design this year will introduce a diversity of antenna choices for each station to allow operators to help isolate their signal from others. Even though we are spread out to the farthest reaches allowed around the field day site, each transmitter exhibits some amount of broadband energy that ultimately gets into any sensitive radio for miles around. It is desirable to avoid this condition but in our case we have no choice since the rules stipulate a one thousand foot diameter circle in which all operating stations must be contained. This is a conundrum to design around, a challenging puzzle for the clever.

As mentioned before, we will employ the use of vertical antennas this year in combination with the usual beam antennas. Beams require towers and are horizontally polarized (assuming the boom clamps are tight enough). Verticals on the other hand are mounted near the ground and are vertically polarized as the name would imply. The huge difference is the counterpoise requirements are exactly opposite between the two. Also, the pointing requirements for the beam require a rotor, not so in a vertical with one minor exception.

In general, the rule of thumb for the radiation pattern of a vertical is omnidirectional, it sprays in all directions. This means the RF energy leaving a vertical is uniformly spread out in all directions and why we like them on our vehicles. No matter which way we drive, we get the same result working stations no matter which direction of travel is presented to the receiving station. But this behavior is easily modified by adding a second vertical.

The concept of phased verticals is nothing new and is apparent observing the 3 verticals of KGO near the Dumbarton Bridge. They are radiating to the North and South to maximize the signal pattern up and down the coast. For field day, we wish to focus our energy to the East for most of the day and North and South during sunrise and sunset to soak up contacts during grey line propagation enhancement and or during night hours on 80 and 40 meter bands. Switching between broadside and inline two verticals 90 degrees is as easy as switching in a 180 degree phase shift to one of two vertical antennas.

With the flick of a switch, an operator can blast up and down the coast one minute, and the next be working the east coast of Hawaii as easily or as easily the East coast in North Carolina.

~Joel Wilhite, KD6W

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## Technical Tips

By Vic Black AB6SO

### Operating Portable

OR

### Mobile at Rest Next to SF Bay

by Vic Black AB6SO

We're truly fortunate to have San Francisco Bay as a backdrop for portable operation. Anyone with contractual CC&Rs or hostile neighbors should consider operating next to the water where there is very little environmental or electrical noise, no nosy neighbors, good take off angles and extremely good ground. I've tried many locations, mostly on the peninsula, and decided to write about some of them for PAARAgaphs. I'll tell you how to get there, what restrictions there are on hours, parking and fees as well as cautions and restrictions for individual sites. Many sites have handicap parking. Use your placard if you have one since the spots are generally well situated and there are no time limits or parking fees collected for handicap spots (including parking metered spots).

Weather is generally mild. However, at some times of the year air temperatures can be up to 20 degrees cooler than surrounding areas. Winds are generally consistent with occasional gusts. Wind chill can be critical even during summer.

No smoking is allowed in most of the parks. Most of the public access points are parks built on land fill. Garbage has been capped with a thin clay cover. Flammable methane gas occasionally leaks out.

**ALVISO: DON EDWARDS SAN FRANCISCO BAY NATIONAL WILDLIFE REFUGE** This is the nation's first urban National Wildlife Refuge. From I-880 or Highway 101, exit on Highway 237 toward Alviso. Turn north onto Zanker Road. Continue on Zanker Road to the Environmental Education Center entrance road (a sharp right turn at Grand Blvd.) The distance from 237 to the entrance road is 2.1 miles. All along the entrance road, you'll be surrounded by salt marsh. If you work in North San Jose, you can drive out for a picnic lunch while you work some DX.

**SUNNYVALE: BAYLANDS COUNTY PARK** This popular park is owned by Santa Clara County and managed by the City of Sunnyvale. It was the location of the first Amateur Technology Days promoted by Foothills Amateur Radio Society. Sunnyvale Baylands Park is located on Caribbean Drive, just past the end of the Lawrence Expressway. It can be reached from Hwy 101 northbound from points south by taking the Lawrence Expressway exit and following Lawrence Expressway east. After it crosses over Hwy 237, turn right at the first stoplight. From Hwy 101 from points north, take the Hwy 237 exit towards Milpitas, then exit at Lawrence Expressway and follow the directions above. From the East Bay, take Hwy 880 to Hwy 237 westbound. Exit at the Lawrence Expressway/Caribbean Drive exit and follow the

directions above. An entry fee is charged sometimes. Generally, it is free during the winter. You won't be in sight of the bay, but you'll be next to salt marsh land. There are picnic tables, flush toilets, sun shades with charcoal pits and handicap parking. Also, there is 110 VAC at the picnic shelters. This area has been identified as a possible communications center for a widespread disaster so long as it doesn't suffer from liquefaction.

**CITY OF PALO ALTO: BAYLANDS NATURE PRESERVE** From US 101, take Embarcadero Road East. Go to the end of the road to a TEE intersection next to Palo Alto Airport. Turn left and pass the Duck Pond. On the right there is a parking lot for the Nature Interpretive Center. This is a good place to operate from since it is surrounded by salt water and brackish marshland. If you prefer, you can continue on to the very end of the road to the wind surf launching ramp area. It is equally good, but the view isn't as good, in my opinion. If you are operating HFPack-style with a back pack, try walking from the Interpretive Center about 200 yards on an elevated cat walk to a platform completely surrounded by salt water. It's a good place for pedestrian portable, but you'll have a lot of bird watching visitors. There's a picnic table and benches on the platform. Portable, non-flush toilets are available at the duck pond and wind surf launch areas and indoor flush toilets are available inside the Interpretive Center.

This is a breeding area for the endangered San Francisco Salt Marsh Harvest Mouse and the Clapper Rail. Stay on marked trails. During breeding season the rails lay camouflaged eggs directly on the ground.

There is a special restriction at the Nature Preserve because of its proximity to the airport approach pattern and low hanging, high voltage power lines. No kites or tethered balloons are allowed. An 8-year old girl once had her kite snagged by the prop shaft of a landing aircraft. The plane descended as it wound up the kite line so the girl flew about 150 feet before being gently deposited back onto the ground. Fortunately, the plane wasn't taking off and climbing. Try the kite field at Mountain View's Shoreline Park.

The park is closed from sunset to 8 AM year round. There are no fees. Posted restrictions are: No driving off road. No motorcycles. No firearms or hunting. No fireworks. No littering. Dogs must be on leashes. Although I didn't see any postings, smoking is generally not allowed around the marsh areas and in Palo Alto it is illegal in many public places.

**REDWOOD CITY: REDWOOD SHORES CENTER** Land developers are usually required to provide token public access in exchange for building permits. It's what attorneys call pro forma (it's there only to meet the word of the law. Computer programmers might call it "virtual", or true in theory, but not in practice). This looks like one of those places. There are two public access parking lots. Exit 101 at Seaport Blvd East (Woodside Road). Go to the end of the road. You will be looking north and east across the Westpoint Slough and Greco Island. There are no parking fees. Handicap parking is available. You can park within 25 yards of the slough. If you're carrying your radio in a back pack, you can walk right

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(Continued from page 50) Operating

up to the water or use park benches. The area is open from 5am to 9 pm from April through October and 6 am to 8 pm November through March. Indoor flush toilets are available on Seaport CT at the sailboat marina in the US Coast Guard Auxiliary Building.

**REDWOOD CITY: BAIR ISLAND ROAD** Take Whipple Road East from US 101. Go south along the freeway sound wall to the “Diving Pelican Restaurant” parking area. You can park a few feet above the water looking east-south east toward Mount Hamilton.

**FOSTER CITY: THIRD AVENUE WIND SURFING PARK** This area is world famous for consistent winds and smooth water conditions. From US 101, take highway 92 East (San Mateo-Hayward Bridge exit). Take the last exit before the bridge—stay to the left on the exit ramp. Go to Foster City Bl and turn left. Follow Foster City Bl to a TEE intersection and turn left onto E. Third Avenue. Go north and turn right at Lakeside Drive. Drive around the golf driving range to the wind surfing/kite boarding parking lot. You will be looking east-south east toward the western anchorage of the San Mateo/Hayward Bridge. There are portable, non-flush toilets and handicap parking there.

Foster City is on Brewers Island and qualifies for the US Islands Awards Program (analogous to IOTA, but for islands within the continental US. Its ID is CA-071S. See [www.usislands.org](http://www.usislands.org)). Caution: Stay upwind and at least 200 feet from kites being launched or landed (control lines are 100 feet long).

**CITY OF SAN MATEO: SEAL POINT PARK** This new park is located just north of Foster City Wind Surf Park on J. Hart Clinton Drive (E. Third Avenue). Go up hill at the dog walking park. You will be looking north toward Mount Diablo. Handicap parking is available. Indoor flush toilets are located at the base of the hill next to the dog playground. Open from 6AM to one half hour after sunset.

**SOUTH SAN FRANCISCO: OYSTER POINT MARINA** Exit US 101 onto Oyster Point Bl. Turn left at Marina Bl and drive east to the parking at the end of Marina Bl. You’ll park looking south at San Francisco International Airport. This area is managed by the San Mateo County Harbor District. There are well manicured grassy lawns, picnic tables and charcoal pits near the indoor flush toilets. Handicap parking is available near the fishing pier. Across the street there is a Mini Mart/ Deli.

**GENENTECH CAMPUS:** Turn south off of Oyster Point Bl on Gull Drive on your way back to US 101 from Oyster Point Marina. Turn left onto Forbes Bl and go to the end. There is limited public access to the bay. Parking is difficult all around Genetech as employees take up most of the spaces.

**SAN FRANCISCO: CRISSY FIELD:** Crissy Field was formerly a US Army Air Corps Reconnaissance Air Base. This is the area from the Marina Green to Fort Point under the south anchorage of the Golden Gate Bridge. It’s part of the former Army Presidio and is now a part of the Golden Gate National Recreational Area, an urban National Park. You can park facing the bay with an excellent view of the Golden Gate Bridge, the Marin headlands, Angel and Alca-

traz Islands and east to Berkeley and Oakland. Access from San Francisco is easy. Take Lombard off of Van Ness and stay in the left lane as you approach the bridge. There is an exit marked Presidio Crissy Field. Parking is free. There are some picnic tables, barbeque pits, indoor flush toilets and handicap access.

The area is being “restored” to marshland. Historically it was water since it was built on land fill, much of it from the 1906 and 1989 earthquakes. Be prepared for the weather. It can be very hot in the middle of the day and turn bitterly cold in late afternoon as the fog rolls in. This is a popular kite sailing and wind surfing area. Keep upwind of equipment being carried out to the water. Allow at least 200 feet clearance from kites being launched or landed (control lines are approximately 100 feet long). The large traction kites average about 14 square meters in area and are very powerful. While I was working here a 15 year old, Jesse Richman from Maui, set a world record when he jumped clear of the water and his kite carried him aloft for 22 seconds of “hang time”. The same day I saw a jump more than 100 feet high.

**ALAMEDA: CROWNE BEACH STATE PARK** this area located on the NW end of Alameda Island is administered by two agencies. The small beach is a California State Park and the rest is part of the East Bay Regional Parks District. There is a guard kiosk at the park entrance. The state wants to increase fees, but the ranger told me that the Regional Parks District doesn’t need the money. I’ve only paid once or twice after many visits. You can actually park on the street next to the curb and step directly from your car into the park. From the parking lot you’ll be about 100 yards from the water. If you walk over to the water you’ll have a nice view of the bay from the San Mateo Bridge to the Golden Gate Bridge. Alameda counts toward the US Islands Awards Program (analogous to IOTA, but for islands within the continental US. Its ID is CA-015S. See [www.usislands.org](http://www.usislands.org)).

Be especially aware of the kite boarders. Because of a 4 to 6 foot drop off from the beach they normally launch kites from the water toward the parking lot. Twice in one week kites flew over me. One flew about 75 yards from the water, over my car, cleared a concrete rest room facility and a full grown tree before crashing in the parking lot. The sailor had major injuries including a broken pelvis, skull fracture and broken arm and femur. He was transported unconscious to the closest trauma center. The hospital wasn’t pleased. He was their chief trauma orthopedic surgeon (ooooops!).

~ Vic.

**PAARA Exemplary Service Award**

Gerry Tucker, N6NV 2005

Rice Family 2006

Jim K6AK, Lisa KG6KQS, Kyle KG6MSK

Wally Porter, K6URO 2007

Vic Black, AB6SO 2008



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duct club business. I doubt that we would have been able to have our belated board meeting otherwise.

We had a great PAARA general meeting last month and a great raffle as well, thanks to **Jim, K6AK's** tireless efforts to bring you the best raffle of any club around. We have given away almost 120 radios! That's really incredible. Jim works very hard to make this happen each month so, if you get the chance, please give him a personal thank you for his hard work.

Speaking of the hard work of our fellow hams, PAARA could use your help. If you have ever had the thought that you would like to be more involved, please contact myself or any board member at a meeting, on the radio, by e-mail or on the telephone. Our contact information is listed in each copy of PAARAGraphs. We have many fun opportunities for those people who want to contribute just a little or even more. Again, if you're interested, just let us know.

We are also in need of volunteers to help out with Field Day, coming at the end of June and the PAARA sponsored ASVARO Electronics Flea Market coming in August. Field Day is our big chance to make others aware of the role of Amateur Radio in emergency communications and to put some of that radio magic on display. The flea market is a big fund raiser for the club and this is quite important for us each year. Please consider helping us out with either of these events. For Field Day, please contact **Gerry, N6NV**, and for the flea market, you can contact me.

I hope everyone enjoys the Spring propagation where bands like 20m and 30m are open later in the evening. All we need now are more cycle 24 sunspots and we'll be all set. Take care and GUD DX ...

~Kristen McIntyre, K6WX

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many diverse areas from analog circuit design to image processing to starting and running an ISP. She is currently the CTO of a Japanese web services company and formerly worked as a principal investigator at Sun Microsystems Laboratories where she is researched robustness and emergent properties of large distributed computer systems. She is a long time denizen of Silicon Valley and has worked at or consulted for many of the usual suspects. Kristen is an active ham and loves to chase DX on HF with her Elecraft K2 which she built while visiting her mother in Florida. She is ARRL Technical Coordinator and Technical Specialist for the East Bay Section, president of the Palo Alto Amateur Radio Assoc., and is active in many local clubs.

~Regards, Joel

### MEMBERSHIP NOTICE

To maintain a reliable PAARA Rooster, Data Base, PAARAGraphs mailings

### ALL CHANGES OR CORRECTIONS

**Should only go to:**

Database Manager:

**Rick Melrose K6RDM,**  
408-732-2247, k6rdm@arrl.net

## WEB's

Recommended by PAARA Members  
*(Do you have one or more?)*

check this out for a great list of free, downloadable old electronics books! [www.pmillet.com/](http://www.pmillet.com/) ~Gerry Tucker N6NV

<http://www.n7yg.com/propnetpsk/index.html>

QST March page 95 and the above URL discusses an internet based beacon system that we'll all enjoy!

~Jay WA6SBO/VE7 [wa6sbo@arrl.net](mailto:wa6sbo@arrl.net)

P.S. If you are using this for propagation data, you should also consider:

<http://hfink.com/>

You can run the software in receive-only mode and get the propagation info or join the group. It uses 160 through 2 meters and you really need an antenna that is resonant on all the bands you use/monitor.

~Orval Chadsey N6OZI San Francisco, CA

See:

[http://www.esa.int/esaED/SEM18OEMKBF\\_inde\\_x\\_0.html](http://www.esa.int/esaED/SEM18OEMKBF_inde_x_0.html)

~Jay WA6SBO/VE7 [wa6sbo@arrl.net](mailto:wa6sbo@arrl.net)

## AMATEUR RADIO

### License testing

This session is produced by Bay Area Educational Amateur Radio Society - member W5YI VEC Study Session, Followed by Exam Offering a one day study session for Technician or General theory, followed by testing.

WHEN: Saturday, May 17, 2008

8:00am - 5pm

WHERE: Redwood Shores, CA -

***MOVED FROM CSM***

FEE: \$30.00

Register: [baears.com](http://baears.com) Website

Questions: Ross Peterson 650-349-5349 or  
[wb6zbu@arrl.net](mailto:wb6zbu@arrl.net)

*Class size is limited, reservations are required.*  
 Prospective Hams should have an active Ham as a sponsor to assist in

familiarization with amateur operation.

**RESERVE YOUR SPACE t BE A HAM !**

Sponsored by: Oracle (<http://www.oracle.com>)

Belmont - San Carlos Fire Department  
 (<http://www.bscofd.org/>)

## PAARA 2008 FIELD DAY

### Team Captains

Team Captain	4A, Site Location	Antennas	Shelter
<b>Need Volunteer</b>	1, CW	KLM 3 EI 40M mono	Green Trailer
Doug, KG6LWE	2, Phone	80M inverted V 20M mono (share w/ phone) KLM 3 EI 40M mono	Green Trailer
Joel, KD6W	3, VHF	80M inverted V 20M mono (share w/ cw) KD6W	KG6LWE trailer
<b>Need Volunteer</b>	4, GOTA	15M mono	Small trailer
Andreas, N6NU	5, CW	10,15,20, Force 12	TBD
Larry, N6CCH +John, K6YP	6, Phone	80M inverted V 40M inverted V KLM34A	TBD
Byron,KG6UOB  +KDYKYT +KG6UWZ Terry, AA6T Mike, N6IL	Food & energy support   Facilities support ARRL MSG	80M inverted V 40M inverted V	KG6LWE trailer
<b>Need Volunteer</b> Doug, KG6LWE	SM & NTS msgs All station AC pwr		

The emphasis this year is to provide more operating time for club members, hence the setup of an additional phone station. Anyone who signs up should find themselves with a minimum of one hour operating time. It would be appreciated if you would agree to log for an hour before operating, but that's not necessary if your schedule will not permit it. On phone station #2, the schedule will be posted nearby and you may sign up in real time for any open slots. If you have been operating for an hour or more please yield your place if a new operator wishes to move in for the next hour. Station captains will do their best to resolve conflicts and get as many operators on as possible. Any comments you have which would make your field day experience more enjoyable please let me know. ~Gerry, N6NV



## Congratulations: April 4<sup>th</sup> 2008 PAARA Raffle Prize Winners

- 1<sup>st</sup> Prize: Rob Lupo / KG6SKA / Icom IC-2200H / 2m / Mobile
- 2<sup>nd</sup> Prize: Shad / K6CZ / Yaesu VX-150/64B / 5W / 2m / HT with 2 Ni-Cd Battery Packs
- 3<sup>rd</sup> Prize: David Ungar / W6DH / FR-250 / AM/FM/SW Emergency Radio / with Flashlight
- 4<sup>th</sup> Prize: Elaine Gibbons / WA6UBE / Kill A Watt / AC Electricity Usage Monitor
- 5<sup>th</sup> Prize: Larry / World Radio 1 Year Subscription
- 6<sup>th</sup> Prize: Kristen McIntyre / K6WX / ARRL Desktop Repeater Directory
- 7<sup>th</sup> Prize: Rob Lupo / KG6SKA / Icom Hat
- 8<sup>th</sup> Prize: Rob Lupo / KG6SKA / FCC Part 97 Rules and Regulations
- 9<sup>th</sup> Prize: Ivan Beck / AE6XA / Sterling Deluxe Wire Stripper

PAARA Members and Visitors: **THANK YOU FOR YOUR SUPPORT** of the exciting monthly raffles! Since Feb. 03, **119 Radios**, including an Elecraft K3, a Yaesu FT-847, an Icom 706 MK IIG, a Yaesu FT-897D, and TWO Elecraft KX1's have gone to Fellow Hams, **THANKS TO YOU!**

PAARA had a remarkable year in 2007! If you aren't a member, please join PAARA now, and experience fun 2008 events with the "friendliest club around."

~ K6AK Jim





## PAARA May 2<sup>nd</sup> 2008 Meeting

### PAARA “The Friendliest Club Around”

Palo Alto Amateur Radio Association, Inc. [www.paara.org](http://www.paara.org)

Date and Time: Friday, May 2<sup>nd</sup> at 7 p.m.

Menlo Park Rec. Center, 700 Alma St., Menlo Park, CA.

Welcome Members and Visitors / Raffle Prizes:

**FIRST PRIZE: YAESU FT-2800M**

**2m / 65W / Mobile**



- Huge Easy To Read Display
- Special Memory Bank for NOAA Weather Broadcast Channels
- Backlit Microphone Keypad
- Smart Search Loads Active Frequencies

**SECOND PRIZE: Yaesu VX-170 2m Transceiver**  
**5 Watt / FM / Huge LCD Display**



- Wide Coverage Receiver
- Submersible 30 Minutes @ 3 Feet
- Long Life Battery 7.2 V / 1400 mAh NiMH
- Huge LCD Display
- Outstanding Receiver Audio
- Internet Connection (WIRES) Feature

**THIRD PRIZE: FR-250 Emergency Radio / AM/FM/SW / with Flashlight**  
**FOURTH PRIZE: Kill A Watt / AC Electricity Usage Monitor**  
**FIFTH PRIZE: World Radio 1 Year Subscription**  
**SIXTH PRIZE: ARRL Desktop Repeater Directory**  
**SEVENTH PRIZE: Gordon West 0-5 wpm Two Audio CD Set**  
**EIGHT PRIZE: Sterling Deluxe Wire Stripper**

Since Feb. 03, 119 Radios, including an Elecraft K3, a Yaesu FT-847, an Icom 706 MK IIG, a Yaesu FT-897D, and TWO Elecraft KX1's have gone to Fellow Hams. Special Thanks to Bob, Howard, Rick, Mark, and everyone at HRO for their continued SUPPORT!


~K6AK Jim

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To order contact our Badge Coordinator  
**Doug Teter, KG6LWE**  
 At any meeting or kg6lwe@arrl.net

**PAARA Radio NET**  
 and Swap Session  
 every Monday evening  
 8:30pm local time  
 on the  
**145.230 –600 MHz repeater**  
 PL tone off

*control operators:*

<b>Week</b>	<b>Operator</b>
1 <sup>st</sup> Mon.	Pink Foster, KG6ILA
2 <sup>nd</sup> Mon.	Peter Sheerin, K6WEB
3 <sup>rd</sup> Mon.	Doug Teter, KG6LWE
4 <sup>th</sup> Mon.	Terry Ridgeway, N6ZAG
5 <sup>th</sup> Mon.	Doña Kerns, KI6DAR



**Directions to PAARA meeting:**  
<http://paara.org/meetings/>

**Palo Alto Amateur Radio Association**  
**P.O. Box 911, Menlo Park, California 94026-0911**  
 Club meetings are on the first Friday of each month, 7:00pm at the Menlo Park Rec Center, 700 Alma Street, Menlo Park, CA.


Radio NET & Swap Session every Monday evening, at 8:30pm, on the 145.230 –600 MHz repeater, PL tone off.

Membership in PAARA is \$20.00 per calendar year, which includes one subscription to PAARAgaphs \$6 for each additional family member (no newsletter).  
 Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026-0911

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Join us for pre-meeting eyeball

**QSO**  
**May 2nd**  
**gab & gobble**



Food will be served at 6:00 sharp, so guests will be on time for the PAARA meeting. Those arriving late will be responsible for their own food order.

**5:30 pm—at Su Hong Restaurant**  
**1039 El Camino Real**  
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[aa6t@arrl.net](mailto:aa6t@arrl.net) or 650-366-9111 to submit an ad.

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