

# PAARAgraphs



Celebrating 70 years as an *active* ham radio club—*Since 1937*  
The Palo Alto Amateur Radio Association, Inc.

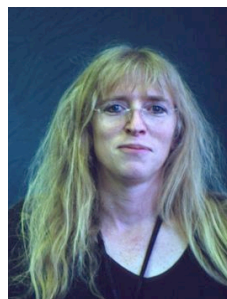


## CALENDAR

- Sept..... 7, **PAARA Meeting**, 7:30  
Menlo Park Recreation Center  
700 Alma Street, Menlo Park
- Sept..... 12, **PAARA Board Meeting**, 7:30  
Red Cross Bld., 400 Mitchell Ln., Palo Alto
- Oct..... 5, **PAARA Meeting**, 7:30
- Oct..... 10, **PAARA Board Meeting**, 7:30
- Nov..... 2, **PAARA Meeting**, 7:30
- Nov..... 7, **PAARA Board Meeting**, 7:30



## President's corner September 07



It sure is hard for me to believe that it's September already. Summer is almost over and with it many of those fun activities we have participated in with our friends and family are coming to a close. Propagation will be shifting off of its summer mode soon as we head towards the equinox. In general, propagation has been weak with long stretches of zero sunspots. Hopefully

things will pick up a bit for the fall contest season. As I write this I am staying near the foot of Mount Shasta, enjoying a few days away from the hustle and bustle of daily life. It's really beautiful up here. I brought the K2 with me and maybe I'll set up and operate.

I've also just returned from our trip to the KPH marine radio station. What a wonderful trip it was. **Elaine, WA6UBE**, our PAARA event coordinator, put together a truly memorable expedition to both the transmitter site at Bolinas and the receiver site at Point Reyes. We rode in style in a 47 passenger motor coach complete with comfy seats, restroom facilities, and a number of video screens. We watched movies about radio communications during WWII and cryptography while the bus found it's way up through beautiful Marin County.

The transmitter site was something not to be believed. After taking a look at the building, feed lines, and the antenna field we entered the building to the sound of the CW signal of KSM's wheel calling QRU for any ships at sea. Inside, the CW was punctuated by the flickering glow of mercury rectifier tubes matching the beat of the call. The power meter read almost 5000W and those transmitters were almost 7 feet tall and about 10 feet wide. They were truly amazing. Upstairs was row after row of transmitters in various states of repair. The transmitter console was literally a wall of radio gear.

The receiver site was equally impressive. There were three antenna fields which included some double extended zepps and an omnidirectional log periodic antenna which was an amazing feat of wire and insulators arranged around a central tower. At the very top of the supporting tower was big osprey nest. It was quite a sight. The operator console is located at the receiver site in an area with many documents commemo-

*(Continued on page 101) pres corner*



## NEXT MEETING

September 7, 2007

## PROGRAM:

*Program not confirmed at press time,*



photo KG6YEM

**PAARA field trip to  
KPH**



**OVERSEAS PERSON  
 SEEKING 'ANGUS', AN OLD HAM.**

Past PAARA President AA6T, has received several telephone calls from one ANKUR DATT of India. Telephone number: 0091-989-964-6326. He claims that he is seeking an old acquaintance of his by the name of ANGUS, who was a PAARA participant about ten years ago. Ankur states that Angus discussed amateur radio and antenna's with him during several short visits they had together. He was unable to provide any further detail, but would certainly like to get in touch with Angus. If you know who this Angus is, would you mind calling Ankur with the information or just let AA6T know so he can pass the info along.

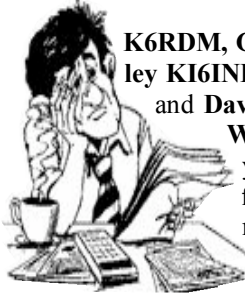
Thanks and 73. AA6T. Terry Finn.



|  |  |  |   |
|--|--|--|---|
|  | <h1>PACIFICON 2007</h1> <h2>ARRL<br/>                 PACIFIC DIVISION<br/>                 HAM RADIO<br/>                 CONVENTION</h2>                   |  | <p><b>PACIFICON Advance Registration Information</b><br/>                 The deadline for hotel advance reservations is October 4, 2007. The banquet and breakfast will sell out early. Order now! Purchase convention tickets on-line at <a href="http://www.pacificon.org">www.pacificon.org</a>, or by using the form below. If using form below please enclose check or money order for full amount. Pick up tickets at the PACIFICON registration desk on arrival. If using form below and you want tickets returned by mail enclose a self-addressed stamped envelope. To obtain the PACIFICON 2007 hotel rate of \$84 per night (single double) call the San Ramon Marriott Hotel to make reservations at 1-800-334-4390 (mention PACIFICON 2007 to get this rate).</p> |
| <p>Breakfast with Keynote Speaker</p> <hr/> <p>Banquet with Special Speakers</p> | <p>October 19 - 21, 2007<br/>                 San Ramon Marriott Hotel<br/>                 2600 Bishop Drive<br/>                 San Ramon, California</p> | <p>Outstanding Technical Forums</p> <hr/> <p>Great Swap Meet</p>               | <p><b>Advance Registration Form</b><br/>                 PACIFICON 2007, October 19-21, 2007<br/>                 Please type or print name and address</p> <p>Name _____</p> <p>Call _____</p> <p>Address _____</p> <p>City _____ State _____ Zip _____</p> <p>Phone _____</p> <p>Fax _____</p>  |
|  | <p><b>ADMISSION: \$10 IN ADVANCE</b><br/>                 See Advance Registration Form at Pacificon website<br/> <i>(Some events are additional)</i></p>    |  | <p>PACIFICON admission _____ @ \$10 = \$ _____<br/>                 (\$17.00 at the door)</p> <p>Antenna Seminar _____ @ \$10 = \$ _____<br/>                 (Friday only)</p> <p>Operating Division _____ @ \$14 = \$ _____</p> <p>Banquet (Saturday eve) - How many?<br/>                 _____ Beef @ \$10 = \$ _____<br/>                 _____ Chicken @ \$10 = \$ _____</p> <p style="text-align: right;"><b>TOTAL = \$ _____</b></p>  |
| <p>Latest Ham Radio Equipment</p> <hr/> <p>Ham License Testing</p>               | <p>If you need hotel accommodations call Marriott Hotel Reservations at 1-800-228-9290 by Oct 4, 2007 to ask for Special Pacificon rate of \$84/night</p>    | <p>Aerospace &amp; Legal Seminars</p> <hr/> <p>QRP &amp; HFpack Activities</p> | <p>Include self-addressed stamped #10 envelope (Tickets return by mail is desired)</p> <p>PACIFICON admission does not include Friday Antenna &amp; Legal Seminars, Saturday Operating Breakfast or Saturday Banquet</p>  |
|  | <p><b>Go to the Pacificon Website for<br/>                 Events - Schedules - Ticket Sales</b></p>   |  |   |

**PAARAGraphs—September 2007**  
 Celebrating 70 years as an *active* ham radio club—*Since 1937*

**BOARD OF DIRECTORS MEETING.**



**K6RDM**, Gerry Tucker **N6NV**, Wally Porter **K6URO**, Elaine Gibbons **WA6UBE**, Vic Black **AB6SO**, **Rob Riley KI6INR** (Dir.), **Dennis Wilson KA6LSW**, **Doug Teeter KG6LWE** (Dir.), **Kristen McIntyre K6WX** (Pres.), and **David Ungar W6DH** (Sec.). Arriving subsequently were **Terry Finn AA6T** (past Pres.) and **Ron Chester W6AZ** (Treas.). We started with the President's report: because the raffle has been such a success--thank you, **Jim Rice K6AK!**--we will be raffling off an Elecraft **K3** at the December dream-to-reality raffle! Also, **Dean Babcock W6OEB**, who has already donated equipment to the club may be donating more in the future. (Thank you, Dean!)

Next, we heard the Secretary's report. The meetings from the the July meeting were accepted as published. I would like to thank **Terry Finn AA6T** for writing those minutes and filling in for me in my absence. Vice President **Joel Wilhite, KD6W** reported on upcoming programs and events. **Doug Teeter KG6LWE** took responsibility for transportation on our upcoming KNTV trip. (Thanks, Doug!)

He is generously storing much of the donated equipment. **Ron Chester W6AZ** told us that the club earned \$1600 at the flea market last month, that the raffle was doing better compared to last year, and that membership dues are up compared to last year. **Dennis Wilson KA6LSW** our new Webmaster, reported on his progress. The site is back on the appropriate server and Dennis showed the Board a new design for the site. The new design met with widespread enthusiasm.

The meeting continued with old business. **Kristen McIntyre K6WX** is evaluating some software for managing club membership information. **Elaine Gibbons WA6UBE** reported on her results organizing the KPH trip. She has taken care of many organizational details, and requested **Ron Chester W6AZ** to send in the rental money for the motor coach. She concluded with the announcement that she was resigning as club event coordinator. Her efforts will be sorely missed.

**Christopher McIntyre KG6SVI** is going to be scanning in some club historical material. **Rick Melrose K6RDM** reported on the membership database and has fine-tuned the mailing label production process.

The club's video projector has been growing increasingly less reliable. **Joel Wilhite KD6W** will be researching new projectors. **Rob Riley KI6INR** reminded us that the club needs to select a photo for our field day QSL cards. He volunteered to manage a photo contest.

The meeting was adjourned at 8:30.

~David Ungar W6DH (Sec.).



Visiting the Radio Museum in Bellingham, WA. during my August vacation with daughter Paula-Marie. ~Gerry, N6NV

(Continued from page 97) pres corner

rating those who have worked at the station. It is currently connected to the transmitter site over a conventional phone line. There are two operating positions and each one has an old time manual typewriter where the station log is recorded. **Richard Dillman, W6AWO**, our guide to KPH, took a call from the Jeremiah O'Brien where **Denice Stoops, KI6BBR**, the first female operator at KPH, was acting as shipboard operator. Upstairs was where the receivers used to be housed. That entire room is RF shielded by copper sheet.

We had a wonderful barbecue at the receiver site prepared by **Doug, KG6LWE**, and **Pink, KG6ILA**. **Joel, KD6W**, provided the tables and **Rob, KI6INR**, brought the tableware. Many of you provided logistics support and manpower for this trip. Thank you each and every one. Be prepared to stand up at the next PAARA meeting and receive a rousing round of applause for bringing this together. It was truly unforgettable.

I need to take a moment and correct an oversight on my part from last month's President's Corner. I failed to mention two very important people who helped out with the PAARA sponsored ASVARO Flea Market. I want to apologize for this oversight and give special thanks to **Seth, KE6UZX**, who came very early to sell tickets to the vendors and helped out in general. I also want to especially thank **Ron, KG6RLG** who sold tickets and helped load the Red Cross truck. Ron is there with Seth at almost every flea market. Thank you both.

This has been another great month for our club and I cannot tell you how pleased I am with how much all of you are working to make PAARA truly be the premier amateur radio club in the Bay Area. ~Thank you. Kristen, K6WX



**PAARA field trip to KPH**

**PAARAgaphs—September 2007**  
**Celebrating 70 years as an active ham radio club—Since 1937**

## Ham radio operators are emergency ready

*Messages can be relayed by operators if communications systems fail*  
 August 19, 2007

~ TARA BOZICK - VICTORIA ADVOCATE

If storms threaten to wipe out communications systems, amateur radio operators will be emergency ready.

In a closet-sized room in Victoria County's Emergency Operations Center hides several radios needed in case phone systems crash. John Wagner, member of the Victoria Amateur Radio Club, helps maintain the setup, stringing wires and securing antennae to the roof.

Wagner remembers back to Hurricane Claudette when the city lost contact with the outside world.

"They called me and I had to put the antenna on top of the 911 center," Wagner said. The winds sustained 50 mph and the rain poured as he strung wires, but duty called. It was just a backup during the 911 center's temporary power failure.

A ham radio operator since 1967, Wagner provided help through several hurricanes. During Hurricane Katrina in 2005, Wagner slept on a rubber mat on an airport floor, eating from military food packages with no access to gas, showers, air conditioning or even electricity. After establishing communications for the airport, Wagner even used his ham radio to get someone from Houston to retrieve him.

"People don't realize there's nothing," Wagner said. "Cell phones don't work. Lights don't work. Toilets don't flush."

But that's part of receiving his radio operator license, he said. "It's just a public service to give back to the community."

Ham radio operators keep track of storms and will travel to disaster areas to volunteer their services. Wagner keeps boxes full of antennae, wires, cables and a generator around, ready to go mobile at any time.

I throw my radios in a plastic container, put some Styrofoam around them and put them in the back of my truck," he said.

Judge Robert Whitaker, Justice of the Peace for Victoria County, loves tinkering and modifying old commercial radios for amateur use.

"I call it hardware hacking," Whitaker said.

Although a busy man, Whitaker would try to volunteer some of his time to operating the ham radios if Hurricane Dean or future hurricanes wipe out normal communication. He helped out in the flood of 1998 and recalls the stress.

"After about two or three hours you're pretty exhausted," he said. "You've got to be right on top of things, taking messages, passing information. There's not much room to be sloppy."

But he and other ham operators do it because they enjoy it, and feel a calling for it, he said. And they're needed.

Whitaker said it wouldn't take much for cell phone service to crash when everyone swamps the system during a disaster. Landline service can crash in a similar manner.

"They won't be able to use cell phones," he said. "It won't work."

If everything else failed, ham operators would set up at relief shelters to relay information back and forth across the

area.

"If some elderly person needs insulin, we need to call for insulin," he said.

A ham radio license comes in handy in emergency situations.

Richard Basaldua, former SkyWarn coordinator, recalls how Hurricane Celia hit Corpus Christi in 1970 and residents evacuated to Beeville. He wanted to help, but didn't yet receive his ham radio license.

Now licensed, he participates in emergency communications for Dow Chemical Union Carbide where he works as communications chairman. When the area is under high alert like now, he establishes connection with the Gulf Coast Hurricane Net and maintains a direct link with the National Hurricane Center in Florida.

*Tara Bozick is a reporter for the Advocate. Contact her at 361-580-6504 or tbozick@vicad.com*

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## WX4NHC HAM RADIO STATIONS AT THE NATIONAL HURRICANE CENTER IN MIAMI

Below is what WX4NHC is all about. I admit I copied the information from [www.qrz.com](http://www.qrz.com), just to try and make it less confusing as to what This Great Organization And Their Many Dedicated Volunteers Are All About :

Amateur Radio Station at the National Hurricane Center WX4NHC (formerly W4EHW) was established as a permanent Amateur Radio Station at the National Hurricane Center in 1980 and has been a vital communications link to and from hurricane affected areas collecting "Surface Reports" for use by the Hurricane Forecasters. These "Surface Reports" are real time eye witness reports and weather data that provide the Hurricane Forecasters with supplemental data that may not be available to them through other means. WX4NHC is operated by group of over 30 specially trained dedicated volunteer amateur radio operators.

**WX4NHC PURPOSE AND GOALS**

1. Collect weather data "Surface Reports" from the Hurricane affected areas in real time for use by the Hurricane Forecasters.
2. Provide back-up emergency communications to and from the Hurricane Center during and after a direct hit on Miami.
3. Provide Hurricane Advisories over Ham Radio, when other sources are not available to the affected area.
4. Enhance and promote the accuracy and availability of weather data surface reports.

Our Mission: To Help Save Lives.

*Posted by Sean O'Shaughnessy*

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## Welcome

We are an Amateur Radio club in the San Francisco Bay Area that provides classes and testing for those interested in getting their Amateur Radio license or in upgrading their existing license.

We hold three to four sessions per year, depending on interest and classroom availability.

Our method was developed by John Portune W6NBC in 1995 to improve the percentage of people passing the exam. See John's website at <http://w6nbc.com/> for information on the design and results from this learning system.

This is NOT a class. It is a guided study six 45-minute pool reading periods, with breaks and lunch. This is the most efficient way to maximize attention span against study fatigue. In other words, we tell you how to study, keep you doing it in an organized way and then give the test as soon as you are finished. It is a proven "winning formula". Short term memory is the "secret" of the high success rate. All exam questions will be what you study during the session. This is the biggest reason why 90% are easily able to recognize the correct answers immediately after reading the question pool thoroughly, leading to a high pass ratio.

We have found that those very young (less than 14) and those with learning disabilities will not do as well with this method. Because this system allows the individual to study at their own pace, it requires the individual be self motivated. We'd be happy to discuss this further with you.

The study session begins at 8:00 AM. The exam on the material starts at 4:00 P.M. The exam is open to all students in the class, as well as anyone else wishing to take an exam without attending the study session.

The next class is October 14, 2007 at Conrad E. Anderson, M.D. Auditoriums, Washington Hospital West, 2500 Mowry Ave., Fremont.

At the previous class at Washington Hospital West, Fremont we had a 98.6% pass rate for new licenses, 72 out of 73 who took the class.

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Our next class will be Sunday October 14, 2007 in Fremont. I have included a pdf copy of the flyer for distribution.

Our July class had 73 with 72 passing for a pass rate of 98.6%. Thanks to all the folks that help us make this happen.

We just got the BAEARS web site updated, check: <http://baears.com> for the latest class information and registration.

Ross Peterson

Peterson Technical Services

P.O. Box 1043 - San Mateo CA 94403

V: 1-650-349-5349

F: 1-650-570-5558

NOTE NEW EMAIL ADDRESS:

[Ross@petersontechservices.com](mailto:Ross@petersontechservices.com)

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## SEMINAR & EXAM: AMATEUR ("HAM") RADIO

WHAT: Amateur Radio ("Ham") License & Communications Course Study to pass a 35-question, multiple-choice FCC exam (no Morse code) to get a radio license to use certain frequencies in a disaster, etc.

WHEN: Tuesdays: 6:30 pm - 9 pm: Oct. 2, 9, 16 & 23 (Oct. 23 is exam night)

Also: There will be a special Emergency Communications Training Class (ideal for new radio operators or those wishing to learn about ARES/RACES). See below.

WHERE: Menlo Park Fire Sta. 77: 1467 Chilco St.

COST: \$35.00 [make check payable to "Menlo Park Fire Protection District"] [please bring your check to first class and give to Carol Parker]

\*\*\*Please write your phone # and e-mail address on the check\*\*\*

MATERIAL: The ARRL Ham Radio License book will be provided for this class.

INSTRUCTORS: David Fichou (Menlo Fire ARES) & Ken Dueker (Palo Alto P.D.)

REGISTER: Ken Dueker: [kdueker@powerflare.com](mailto:kdueker@powerflare.com) Advise if you also wish to attend the Oct. 30 class.

Sponsored by: Menlo Park Fire Protection District CERT: [www.menlofire.org/cert](http://www.menlofire.org/cert)

This course is open to the public but is designed for Community Emergency Response Team (CERT), Red Cross, and other emergency volunteers, including first responders. There is a maximum of 35 students for this class (priority for disaster volunteer members).

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### EMERGENCY COMMUNICATIONS CLASS:

This class is designed for CERT members, ham radio operators, neighborhood teams, and others who want to learn about communications in a disaster. Covers all radio and communications systems, including Ham, FRS, police, fire, etc. You don't need a ham license for this class, but it is preferred.

WHAT: Emergency Communications Course for Ham Radio & CERT

WHEN: Tuesday, Oct. 30, 2007: 6:30 pm - 9:30 pm

WHERE: TBA (Menlo Park area)

COST: FREE !

BRING: Your radio(s) & instruction manuals for them

INSTRUCTORS: David Fichou (Menlo Fire ARES) & Ken Dueker (Palo Alto P.D.)

REGISTER: Ken Dueker: [kdueker@powerflare.com](mailto:kdueker@powerflare.com)

Sponsored by: Menlo Park Fire Protection District CERT: [www.menlofire.org/cert](http://www.menlofire.org/cert)

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## PAARA / December 07

### “Dream to Reality” Raffle News:

**1<sup>st</sup> Prize: Elecraft K3 HF- 6m, 10W All-Mode Transceiver  
 Factory Assembled**



### **Congratulations: August 3<sup>rd</sup> 2007 PAARA Raffle Prize Winners**

- 1<sup>st</sup> Prize:** Jaime Sedano / KG6HOB / Yaesu VX-3R / 2m / 440 MHz / Ultra Compact / HT
- 2<sup>nd</sup> Prize:** Andy Gonzales / KG6RWO / Yaesu FT-1802M/E / 2m / 50W / Mobile
- 3<sup>rd</sup> Prize:** Adam Allustiarti / KI6JDR / Elk Antenna 2m / 440 Five Element Log Periodic Antenna / 9 dBi Gain
- 4<sup>th</sup> Prize:** Jaime Sedano / KG6HOB / 225 Piece First Aid Kit with Multi-Compartment Organizer
- 5<sup>th</sup> Prize:** Jaime Sedano / KG6HOB / Powerex MH-C204W Travel Charger with Four 2500 mAh Batteries
- 6<sup>th</sup> Prize:** Doug Teter / KG6LWE/ ARRL Hints and Kinks Book
- 7<sup>th</sup> Prize:** Patricia Gibbons / WA6UBE / Memorex 50 PK CD-R Discs and JVC 30 PK DVD-R Discs
- 8<sup>th</sup> Prize:** Jaime Sedano / KG6HOB / Gordon West Morse Code / Two CD Set
- 9<sup>th</sup> Prize:** Dennis Willson / KA6LSW / PAARA KPH Tour Ticket

**PAARA Members and Visitors: THANK YOU FOR YOUR SUPPORT** of the exciting monthly raffles! Since Feb. 03, 106 Radios, including 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 is having a remarkable year in 2007! If you aren't a member, please join PAARA now, and experience fun 2007 events with the "friendliest club around."

~K6AK Jim



# PAARA September 7<sup>th</sup> 2007 Meeting

**PAARA “The Friendliest Club Around”  
Palo Alto Amateur Radio Association, Inc.**

[www.paara.org](http://www.paara.org)

**Date and Time: Friday, September 7<sup>th</sup> at 7 p.m.  
Menlo Park Rec. Center, 700 Alma St., Menlo Park, CA.**

**Welcome Members and Visitors**

**Raffle Prizes:**

**FIRST PRIZE: LDG Z-100 Antenna Tuner**



- Tunes From 0.1 to 125 Watts
- Latching Relays
- Current Draw Is Nearly 0 When Tuner Is Not Tuning
- 200 Fast Memories / Decreases Tuning Time Up To 95%
- Optional Interfaces Available For Popular Radios
- Operating Range Is 1.8 To 54MHz

**SECOND PRIZE: Astron RS-12A  
12 Amp Power Supply / 13.8 VDC**

- Solid State Electronically Regulated
- 13.8 VDC (Internally Adjustable 11-15 VDC)
- Ripple Less Than 5mV Peak to Peak (Full Load and Low Line Voltage)
- Fold Back Current Limiting and Crowbar Over Voltage Protection
- Dimensions: 4 1/2" x 8" x 9"

**THIRD PRIZE: Red Cross / FR-250 / AM/FM/SW Emergency Radio /  
with Flashlight**

**FOURTH PRIZE: Elk Antenna 2m/440 Five Element Log Periodic Antenna /9 dBi Gain**

**FIFTH PRIZE: ARRL 2007 Handbook with CD-ROM and Jan. 1942 QST**

**SIXTH PRIZE: RG58U Coax with PL259 Connectors / 75 Feet**

**SEVENTH PRIZE: ARRL Hints and Kinks 16<sup>th</sup> Edition**

**EIGHT PRIZE: ARRL Desktop Repeater Directory 2006-2007**

**NINTH PRIZE: Sterling Deluxe Wire Stripper**

**Since February 2003, 106 Radios, including 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!**


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Now available with your QTH



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:*

| Week                 | Operator              |
|----------------------|-----------------------|
| 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 \$18.00 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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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  
Menlo Park

*across from Kepler's Book Store  
on El Camino Real  
Walking distance from Caltrain!*

**ADVERTISERS WANTED.**

PAARA members are encouraged to purchase an annual advertising space in the PAARA newsletter, commonly known as PAARAgaphs. This space is the size of a regular business card and only costs \$60.. annually. The money really assists our Association in producing and mailing the finest printed radio club newsletter in the western United States.

If you or your employer have a service to offer or a product to sell, please consider running an ad or an infomercial in PAARAgaphs. Remember that this little publication is distributed to many hams and ham radio supporters who will read it cover to cover. Simply contact the PAARAgaphs representative, Terry Finn, AA6T, at:

[aa6t@arrl.net](mailto:aa6t@arrl.net) or 650-366-9111 to submit an ad.

**W6AZ**



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**PAARA BADGES**



To order one,  
 contact our Badge Coordinator:

**Doug Teter, KG6LWE**  
[dteter@wvwi.com](mailto:dteter@wvwi.com)

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 (search for "PowerFlare")

**MEMBERSHIP NOTICE**

To develop a reliable PAARA Rooster, Data Base, PAARAgaphs mailings

**ALL CHANGES OR CORRECTIONS**  
 should only go to:

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[ungar@mac.com](mailto:ungar@mac.com), or at General meetings  
 (this includes changes in Membership or Family Membership)

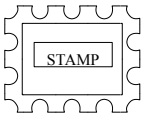
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# PAARAgraphs—September 2007

Palo Alto Amateur Radio Association, Inc.  
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## PAARA field trip to KPH

see pages 97, 99 & 101

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