**W6ARA** 

# PAARA NEWSLETTER

VOLUME 55, NUMBER 9, September 2006

K6OTA

**K6YQT** 

# PAARAgraphs



Celebrating 69 years as an active ham radio club—Since 1937 The Palo Alto Amateur Radio Association, Inc.

r Radio Association, Inc.

# **CALENDAR**

Sep 8 PAARA Meeting

7:00–9:30 Menlo Park Rec Center 700 Alma Street Menlo Park, CA 94025 3

Sep 13 Board Meeting 7:00pm

Red Cross Bld., 400 Mitchell Lane Palo Alto (due to Parking Lot problems location may change, check net before Bd. meeting)

Oct 6 PAARA Meeting, 7:00pm
Oct 11 PAARA Board Meeting, 7:00pm
Nov 3 PAARA Meeting, 7:00pm
Nov 8 PAARA Board Meeting, 7:00pm



# **NEXT MEETING**

September 8, 2006

# SPEAKER and PROGRAM:

The next PAARA Meeting will have a video of the PAARA Field Day by Dick Kors. Be sure to come early and invite your friends.

In addition we will have the following presentation:

W9IMS is the call sign of the official amateur radio club for the Indianapolis Motor Speedway. They were on the air at the special event for the Brickyard 400 in August 2005. As a result of this contact, W9IMS invited Amanda and her family to Indianapolis for the special event of the 90th running of the Indy 500. Amanda and her mother, Kortnee, will be sharing their W9IMS experience with PAARA

Amanda Feriante:

Amanda had just learned to read well and was caught up in the 1st year of Harry Potter when she began studying for the Technician license. She had a goal of getting her license before her eighth birthday. She was able to set aside Harry Potter until bedtime and studied for the exam during the day. She was successful and passed the exam on May 1, 2004 just weeks before her birthday.

She upgraded to General Class in May of 2005 at the age of 8. She enjoyed making regular contacts with the 40 meter noon time net and developing friendships there. At the age of 9, she became an Amateur Extra Class licensee. She loves making contacts with special event stations and has enjoyed PSK31. She has learned so much as a result of amateur radio and especially enjoys her yearly experiences at Field Day. She currently serves her local ham radio club, SBARA, as the refreshment coordinator. She enjoys being active in the club and attending the monthly meetings.

Amanda is an avid reader, she loves gardening and cares for the family vegetable garden, flowers and Bonsai. Amanda is in Girl Scouts and is homeschooled.

Amanda was originally licensed as KG6UYW and now has a vanity call AF6YL.

#### Kortnee Feriante:

Kortnee became a Technician Class operator in July of 2001. She was elated to pass the Morse Code exam in April 2004 and then two weeks later pass the General Class exam. The biggest surprise came when she upgraded to Amateur Extra in January 2006. Just 30 minutes before taking the exam, she found that by studying the book from both ends, she had missed several sections in the middle of the study guide and had only minutes to glance at them. She did pass with room to spare, this was an amazing accomplishment considering her technical background.

In the past, Kortnee was in charge of membership for SBARA and currently drives the refreshment coordinator to the meetings. She really enjoys the friendships she has developed through amateur radio. Kortnee finally found her niche at W9IMS working endless hours at one of their annual special events. She drives a mini van with a very noticeable screwdriver antennae and has received many remarks and compliments on it. Kortnee was originally licensed as KG6HDS, but recently received a vanity call - KF6Y.

The Feriante family has 6 members which are all currently licensed.

Adam - KG6HDR, father and husband, was licensed in 1998. He upgraded through the years and became an Amateur Extra in September, 2003. He is currently enjoying bi-weekly Morse Code practice with friends. Adam has learned much by constructing numerous antennaes and he built an Elecraft K2 and other electronics and is now working into SDR (software defined radios).

(Continued on page 99 Program)

#### Celebrating 69 years as an active ham radio club—Since 1937

# **Miscellaneous Info**

VE Exams, 3rd Saturday each month, 10:30AM, 145.23- PL=100Hz

Redwood City Main Library, Community Conference Room 1044 Middlefield Road, Redwood City, CA contact: http://amateur-radio.org/ or Al, WB6IMX@att.net

#### **ELECTRONICS FLEA MARKET**

Sponsorship by A.S.V.A.R.O.

(Association of Silicon Valley Amateur Radio Organizations) Second Saturday of month, March-October, 6am-2pm

Howard M. Krawetz, N6HM 650-856-9761

Contact: http://www.electronicsfleamarket.com

LIVERMORE SWAP MEET. Now in Robertson Park, Livermore, every first

Sunday of the month. 7 am to 11:30 am. Free admission for buyers. For further info, see:

vw.larkswap.com\_or contact Ian Parker, W6TCP at swapmeet@livermoreark.org

PAARA Palo Alto Amateur Radio Association

meets 1st Friday 7:30pm each month, Net 145.230 each Monday 8:30, contact: <a href="http://PAARA.org/">http://PAARA.org/</a> or Terry Finn, AA6T, 650-366-9111

FARS Foothills Amateur Radio Society

meets 4<sup>th</sup> Friday 7:30pm each month contact: http://www.fars.k6ya.org/

NCDXC Northern California DX Club

meets 2nd Friday 7:30pm each month,

repeater for member info 147.360, Thur 8:00PM contact: http://ncdxc.org/ or Mike Gavin W6WZ, (650) 851 8699

NorCalQRP Northern California ORP Club

meets 1st Sunday each month

**SPECS** Southern Peninsula Emergency Communication System

meets each Monday 8:00pm on Net 145.27, 440.80 MHz contact: http://specsnet.org/ or Tom Cascone, KF6LWZ, 650-688-0441

**SCARES** South County Amateur Radio Emergency Service

meets 3<sup>rd</sup> Thursday 7:30pm each month, San Carlos City Hall. Net is on 146.445 [PL 114.8] & 444.50 (PL-100) 7:30 Monday evenings.

contact: President Gary D. Aden, K6GDA 650-743-1265(D),650-595-5590 (N)

Web: http://k6mpn.org E-mail: pres@k6mpn.org

SCCARA Santa ClaraCounty Amateur Radio Association

Operates W6UU & W6UU/R, repeater 146.985-pl

Nets: 2m, 7:30pm Mon; 70cm, 442.425+ (pl 107.2) Thur. meets 2<sup>nd</sup> Mon each month @ 7:30 PM. contact: http://www.qsl.net/sccara/or Clark Murphy KE6KXO 408-262-9334

ARRL/VEC license testing contact 408-507-4698

**SVECS** Silicon Valley Emergency Communications

Operates AA6BT repeater (146.115 MHz+) contact: http://www.svecs.net/or Lou Stierer WA6QYS 408 241 7999

**WVARA** West Valley Amateur Radio Association

W6PIY six-meter repeater on 52.58mHz. Normally, six-meters is linked with 147 and 223, while 441

and 1286 repeaters are linked

52.58 (-500) 151.4 ctcss 147.39 (+600) 151.4 ctcss HHF.

441.35 (+5.0 88.5) ctcss

223.96 (+1.6) 156.7 ctcss 1286.20 (-12m) 100.0 ctcss

meets 3<sup>rd</sup> Wed every month.

contact: <a href="http://wvara.org/">http://wvara.org/</a>, Bill Ashby N6FFC, 408-267-3118, N6FFC@Juno.com, or N6FFC@ARRL.NET

#### DISASTER SERVICES

American Red Cross, PALO ALTO AREA CHAPTER

400 Mitchell Lane

Meets 3<sup>rd</sup> Wed. each month 7:30PM

HF, packet, BBS, ATV, OSCAR Gateway, NASA satellite. contact: <a href="http://paarc.org/">http://paarc.org/</a> or Mac Millian 650-688-0423. <a href="mailto:marc.org/">MACM@paarc.org/</a>

American Red Cross, SANTA CLARA VALLEY CHAPTER

//santaclaravalley.redcross.org/ or Scott Hensley KB6UOO, (408) 967 7924

contact: http://santaclar

(please send changes to PAARAgraphs editor: k6uro@arrl.net)

C		
	PAARAgraphs E-mail address: k6uro@arrl.net	
	Submit material for PAARA <b>graphs</b> by the 15th	
	Text: WORD, RTF, or ASCII Photos: JPEG or TIFF raster images	
	Thoros. SLEG of The Paster Images	
	Missing PAARAgraphs, too many copies, wrong name or	
	Call on label? Contact Database Manager:	
	Rick Melrose K6RDM, 408-732-2247, k6rdm@arrl.net	
В		

### Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

#### Officers

650-366-9111

Vice President	position vacant	
Secretary		AJS 650-494-6256
Treasurer	,	408-243 2221

President ...... Terry Finn, AA6T

	w6az@arrl.net		
	Directo	rs	
Director ('07)		N6NV	650-326 4908
	n6nv@arrl.net		
Director (07)	. Andreas Junge,	, n6nu	650-233-0843
	n6nu@arrl.net		
Director ('06)	. Kristen McInty	re, K6WX	
	k6wx@arrl.net		
Director ('06)	.David Ungar,	W6DH	650-255-2131
	ungar@mac	c.com	

See the calendar for Board meeting times. Visitors are welcome.

#### Appointed Positions

	Appointed a doltions	
Membership	Vic Black, AB6SO	650-366 0636
	ab6so@smrn.com	
Database	Rick Melrose K6RDM	408-732-2247
	k6rdm@arrl.net	
Chaplain	Rev. Rick Line, KG6TN	ID 650 323 8544
	kg6tmd@arrl.net	
Station Trustee W6OT	X, K6YQT, W6ARAGer	ry Tucker, N6NV
Station Trustee K6OT.	ARon Chester, W6AZ	
Property Manager	Gerry Tucker, N6NV	
Fund Raising Coordina	tor .Bob Korte, KD6KYT	650-595 1842
	rgk4u@aol.com	
Badge Coordinator	Doug Teter, KG6LWE	650-367-6200
	dteter@wcwi.com	
Raffle Coordinator	Jim Rice, K6AK	650-851-2274
Ticket Master	Kyle Rice, KG6MSK	
Field Day Coordinator.	Gerry Tucker, N6NV	
ASVARO Rep	Rolf Klibo, N6NFI	650-856-2748
	n6nfi@arrl.net	
Webmaster	position vacant	
Technical Coordinator.	Joel Wilhite. KD6W	650-325-8239.
	joel.wilhite@gmail.com	
QSL Manager	Rob Riley, KG6HVW (	cell) 650 799-1607
- 	kg6hvw@arrl.net	

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	terry@incognitoservic	es.com
Technical Tips	Vic Black, AB6SO	650-366 0636
	ab6so@smrn.com	

#### \*\*\*\*\*\*\*\*\*\*\*\*\*\* LIFE MEMBERSHIP

Awarded by Action of the PAARA Board Ron Panton, W6VG July 2003 Joe Gomes, KB6HDC May 2004

\*\*\*\*\*\*\*\*\*\*\*

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#### (Continued from page 97 Program)

Eli - KG6HOA was first licensed in August 2001 at the age of 11 and upgraded to Amateur Extra in December, 2005. Eli is 16, he enjoys creating computer animation and developing his computer skills.

Joshua - KG6HDT was 10 years of age when he passed both the Technician and General Class exams on the same day. He upgraded to Amateur Extra in September, 2003 finishing the test just minutes before his father and with a better score. Joshua is 15 years old and enjoys reading, learning, and making friends.

At the age of 6, with the basics of reading, Isaac began studying for his Technician Class exam. He really learned how to read using the Gordon West Technician Class study guide. Isaac passed the Technician exam in April and immediately wanted to make contacts. After being licensed, his first and last request of the day were to make a contact. Isaac loves to read Garfield books, to scooter, and to play with friends.

Amanda made contact with W9IMS, the official amateur radio club for the Indianapolis Motor Speedway, during their special event for the Brickyard 400 in August 2005. As a result of this contact, W9IMS invited Amanda and her family to Indianapolis for the special event of the 90th running of the Indy 500. Amanda and her mother, Kortnee, will be sharing their W9IMS experience with PAARA.

A wonderful 300 plus page PDF of the James Clerk Maxwell biography can be found at sonnetsoftware.com,

~Gerry, N6NV

#### HAM RADIO STATION (COMPLETE) FOR SALE

\$300 OBO [located in San Jose]
Complete. Includes all the below.
Will not separate (except for antenna and tower). Package deal.
Kenwood TS-520S Transceiver
Kenwood VFO-520 External VFO

Kenwood SP-520 Speaker

Kenwood DG-5 Frequency Counter
on GLA-1000 One Thousand Watt Amplific

Dentron GLA-1000 One Thousand Watt Amplifier (80-10 Meters)

Autek Research QF-1 IC Active Filter Heath HQ-10 Monitor Scope Heath HM102 SWR/Power Meter Heath HD-15 Hybrid Phone Patch Bell & Howell Digital Multimeter Heath Desk Mike

Quement In-Line SWR/Power Meter B&W 5-Position Coax Switch

KDK FM-2016A/E Two Meter Transceiver w/CES TT Mike Cushcraft 2-Meter Vertical Antenna

KLM KT-34A Four Element 10-20 Meter Beam Antenna CDE Rotor w/ Control Box

48 Foot Rohn Free Standing Tower (w/o Base) (You remove) Station Desk with shelf (wall phone attached) Almost all manuals included!

#### CONTACT:

Scott (408) 532 4754 Days wssheppa@rockwellcollins.com

# Massive CubeSat Launch Fails

NEWINGTON, CT, Jul 26, 2006--An attempt to launch 15 CubeSats from 11 universities and one private company failed today. California Polytechnic State University, which coordinated the launch, confirmed the failure on its <a href="CubeSat">CubeSat</a> Web page. Fourteen of the CubeSats carried Amateur Radio transmit-only payloads.

<u>Space Launch Report</u> cites payload users as reporting that the mission went awry sometime after first-stage separation. The <u>Dnepr-1LV rocket</u> lifted off from Russia's Baikonur Cosmodrome in Kazakhstan at 1943 UTC today.

Originally set for June 28, the launch had been postponed until July 26. The CubeSat project was a collaboration between California Polytechnic State University-San Luis Obispo and Stanford University's Space Systems Development Laboratory. All of the CubeSats were designed and built by students at various universities in the US and elsewhere in the world. The CubeSat roster included AeroCube-1, CP-1, CP-2, ICE Cube-1, ICE Cube-2, ION, HAUSAT-1, KUTESat, MEROPE, nCube-1, RINCON, SACRED, SEEDS, PiCPOT and Voyager.

Thirteen of the satellites were to have downlinks in the Amateur Radio satellite allocation between 435 and 438 MHz, and one was to operate on 145.980 MHz. None of the spacecraft carried a transponder. Transmitter power outputs ranged from 10 mW to 2 W.

The Dnepr was the second to launch this month from Baikonur's Area 109. Other payloads included BelKA, the first Belorussian satellite, and three other microsatellites. According to Satellite Launch Report, the original Dnepr launcher was replaced by a different one in June after a problem was detected in the original vehicle's digital flight control system.

The Dnepr launch failure reportedly was the first in seven orbital launch attempts. The Dnepr vehicle is a repurposed SS-18 "Satan" three-stage intercontinental ballistic missile, originally designed in the 1980s to compete with the US Peace-keeper missile. The START 2 treaty allowed up to 150 of the missiles to be converted for use as space launchers.

**ARRL 26 Jul 2006** 



### For Sale

John Barteleme N6FLX (club member), has a Tristao 3 section tower for sale, \$200.00. He lives in Menlo Park. ~Gerry Tucker N6NV.

### Celebrating 69 years as an active ham radio club—Since 1937

#### Across

- 1. Ready to eat
- 3. Lunch away from home
- 6. Traffic abbr to request resending all of the message after a certain word
- 8. With 52 Across, a swaying action
- 9. Work these as they travel across the sky (abbr)
- 10. Why we do this
- 11. Powers a bicycle
- 13. Popular type of portable wire antenna
- 16. Unwanted breeze
- 18. Transmission line filters
- 21. Good luck (CW abbr)
- 22. These keep you going after a failure
- 24. Continent of WRTC2006
- 25. The type of air you breathe while afield
- 27. Turns over
- 30. Burnt out or destroyed
- 33. Transmit (abbr)
- 34. Adjusts impedance to suit a transmitter
- 35. Portable operation is a good form of this type of work
- 38. Off-center (abbr)
- 40. Hobbyists that look for birdies instead of suppressing them
- 42. Repeated 8 and 52 Across actions
- 45. The former European republic that is soon to generate a new DXCC entity (prefix)
- 46. What you take when you get home
- 51. Semiconductor junction
- 52. See 8 Across
- 53. Film speed rating
- 54. Efficient low-power light
- 55. Who gets going in uncomfortable conditions?
- 57. Experienced ham (abbr)
- 58. Poison plant
- 59. Sales notices
- 60. Sun lotion
- 62. Has a call area all to itself (postal code)
- 63. To cook again
- 64. Measure of radiated power (abbr)
- 65. Sound of high wind

#### Down

- 1. Holds things up and together
- 2. Propels a boat
- 3. Between fixed and mobile
- 4. Boat popular on lakes and rivers
- 5. Falling asleep
- 6. Down under (postal code)
- 7. They get in the food
- 8. Type of light you need at night
- 12. End of message (CW abbr)
- 14. Two-thirds of a distress message
- 15. Empty (abbr)
- 17. French colony in North America (prefix)
- 19. To perform a task with
- 20. Supplies dc power
- 21. Unhappy or bad attitude
- 23. These separate dawn and day
- 26. A good bag to have
- 28. Move smoothly
- 29. Hallicrafters receiver model prefix
- 31. Strong animal
- 32. World-wide information structure
- 34. Pull behind
- 36. Partner to Line Feed (abbr)
- 37. Swedish Internet domain abbreviation
- 39. Antenna pole
- 41. Tells time from sun's position
- 43. What the owl says
- 44. Only one operator (abbr)
- 47. Makes ground soggy but conductive
- 48. Liquid sunshine
- 49. An open tent
- 50. Seen in the night sky
- 51. Shove against
- 56. A song of praise
- 57. Metal-bearing mineral
- 60. Street (abbr)
- 61. Plate voltage (abbr)
- 62. Efficient communications mode

(key next month)

# **Etymology of ham radio**

By the early 20th century, the term "ham" for an amateur radio operator was well established, although origins of the term remain obscure. It is known that by the sinking of the RMS Titanic in 1912 and the subsequent government regulation of radio spectrum it brought on, that the term was well established. Many interesting and colorful theories about the origin of the term have come about over the years.

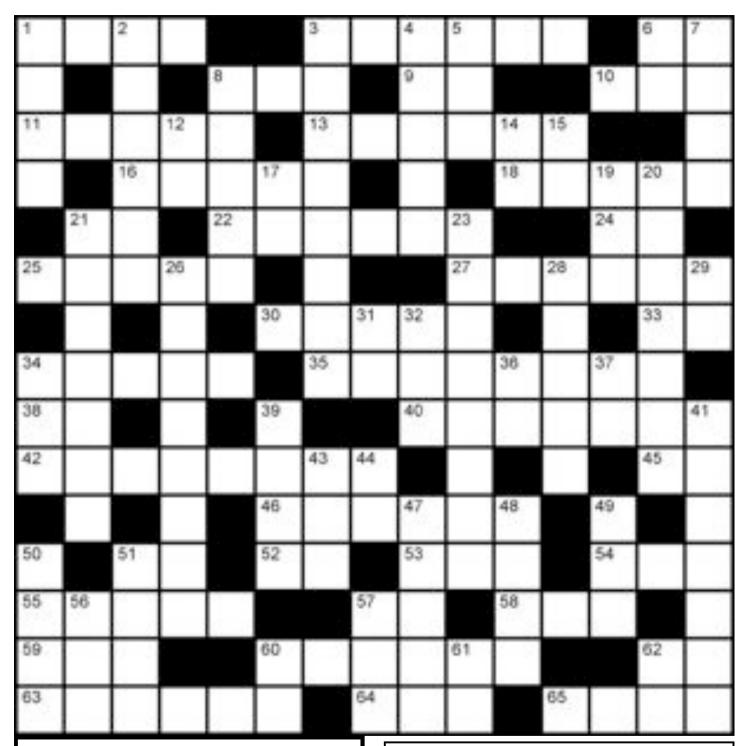
Possibly the most popular theory, and one endorsed by the American Radio Relay League, is that "ham" began as a pejorative term meaning a poor telegraphic operator. A 'ham' was slang for a 'show-off', a person who talks too much, and entertains badly, being starved for attention, such as in the phrase "What a ham."

A false theory is that HAM stands for the first letter of the names of three of the pioneers in the field of Radio communication: Heinrich Rudolf Hertz; Edwin Armstrong; and Guglielmo Marconi. This may originally have developed as a verbal mnemonic to help students, but it cannot possibly be the source of the term itself as it actually predates Armstrong's contributions to the radio art.

Another theory goes on to reference a speech that was made to the US Congress in support of amateur radio operators. The station, which operated with the self-assigned call sign "HAM", came to represent all of amateur radio. The speech was said to have turned the tide and helped defeat a bill that would end amateur radio activity entirely, and turn the use of the radio spectrum completely over to the military. There are no Congressional records to back this theory and by the time this could have happened (around 1912), the term HAM for an amateur radio operator was already well established.

Submitted from Wikipedia by Km6ep.

# PAARAgraphs—September 2006 Celebrating 69 years as an active ham radio club—Since 1937



# Join us for pre-meeting eyeball

at Su Hong Restaurant 1039 El Camino Real, Menlo Park

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 order and bill.

## **PAARA Radio NET**

every Monday evening at 8:30 P.M.,local time

on the 145.230 -600 MHz repeater, PL tone off

# Join us for pre-meeting eyeball

### at Su Hong Restaurant

1039 El Camino Real, Menlo Park

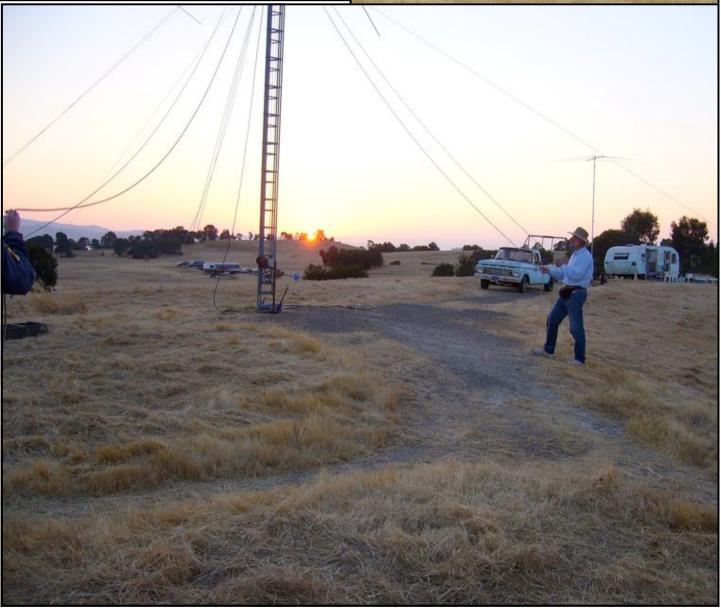
Food will be served at **5:30** sharp, so guests will be on time for the PAARA meeting. Those arriving late will be responsible for their own order and bill.



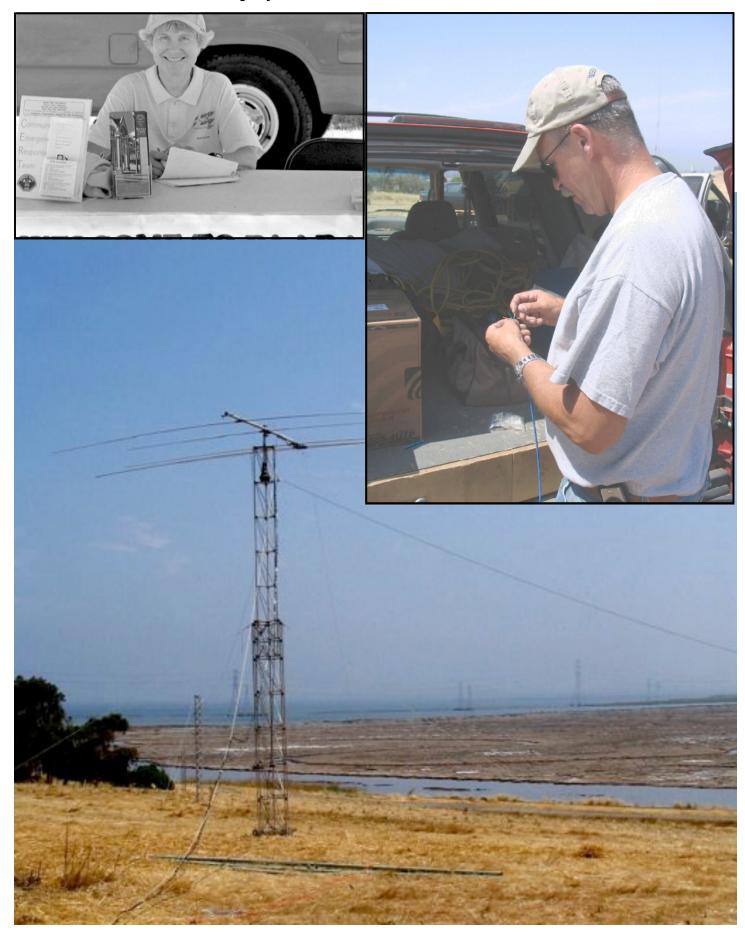
# **FIELD DAY**

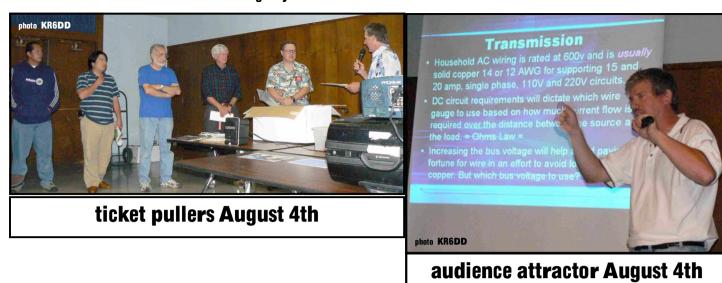






# PAARAgraphs—September 2006 Celebrating 69 years as an active ham radio club—Since 1937





### The Winners



# Congratulations: August 4th PAARA Raffle Prize Winners

1st Prize: Clark Murphy KE6KXO / Icom IC-V8 Sport HT

2<sup>nd</sup> Prize: Bob Shelton K6TGR / Arrow VHF & UHF Yagi

3<sup>rd</sup> Prize: Mark Foster KI6DHU / Weller 40 Watt Solder Station

4th Prize: Tamra Johnson KG6VYA / Kill A Watt / AC Electricity Usage Monitor

5<sup>th</sup> Prize: Andy Gonzales KG6RWO / Power Panel 4 / 4 Port DC Distribution Panel

6th Prize Henrique Drews KG6ZWQ / ARRL Desktop Repeater Directory

7th Prize: Mark Foster KI6DHU / Northern California Repeater Directory / NARCC

8<sup>th</sup> Prize: Rob Goodson N2RAG / Dynamic Mic

9th Prize: Dave Ungar W6DH / Headset

PAARA Members and Visitors: THANK YOU FOR YOUR SUPPORT of the exciting monthly raffles! Since Feb. 03, 88 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 2006! If you aren't a member, please join PAARA now, and experience fun 2006 events with the "friendliest club around."

~K6AK Jim

# PAARA The Friendliest Club Around "



Palo Alto Amateur Radio Association, Inc. www.paara.org
Date and Time: Friday, September 8<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: Heil Quiet Phone



- · Active Noise Canceling Headset
- Right Angle 1/8" Plug For External Audio Input / Transceiver / Airplane
- · Single AA Battery Provides 30 Hours Of High Fidelity Dual Channel Audio
- Folds Flat For Easy Carrying

# **SECOND PRIZE: Alpha Delta-4 Position Coax Switch**



- Lightning Protection / Arc-Plug Cartridge
- Center Off Position / Disconnects / Grounds Connectors
- Positive Detent Roller Bearing Switch Drive
- · Handles Full Legal Power

THIRD PRIZE: FR-250 AM / FM / SW Emergency Radio / Flashlight / Charger / Siren

FOURTH PRIZE: Two 20m Ham Sticks with Dipole Adapter FIFTH PRIZE: Ultimate DX World Map / Laminated / 36 "

**SIXTH PRIZE: ARRL 06-07 Repeater Directory SEVENTH PRIZE: NARCC Repeater Directory** 

**EIGHT PRIZE: Calrad DM-9 Dynamic Microphone / High Impedance** 

Since February 2003, 88 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!

~K6AK Jim

#### Celebrating 69 years as an active ham radio club—Since 1937

#### **FOR SALE**

ICOM IC-W32A 5 Watt, Two Meter/440 MHz HTWeather & Aircraft receive. Can plug directly into 12Volts. With manual and charger. \$139

**BP-173X** 1.2 Amp-Hr. Metal Hydride battery (Normal battey is 650 MA-Hr) \$20

**BP-170** AA alkaline battery case

\$10

\$45

2 Meter 25 Watt KLM Power Amplifier 2-25

Two Watts + in gives 25 Watts out!

Kenwood TH-31AT 220 MHz 5 Watt HT with extra Heavy Duty PB-21 500 MA-Hr Battery. Built in PL Board set for 88.5 Hz. (A DIP switch could be added to select any PL.) With charger, users manual & Service Manual.

**\$95** 

Yaesu FT- 411 2 Meter, 5 Watt HT. Built in PL. With

users manual, charger, and HT cover.
Also receives Weather stations.

Contact:

Rich Stiebel <w6apz@sbcglobal.net

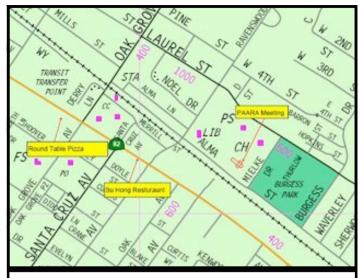
#### **HAM FEST**

at

### **ANGELINO S'RESTAURANT**

3132 Williams Road, at Winchester Blvd. 2:00 PM Second Sunday each month

 $\underline{www.Angelinosrest.com}$ 



# **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 PAARAgraphs \$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

Permission is granted to reprint from this publication with appropriate source credit.

# **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.	Peter Sheerin, K6WEB
4 <sup>th</sup> Mon.	Bill Rausch, AA6PA
5 <sup>th</sup> Mon.	Volunteer!

Join us for pre-meeting eyeball

QSO
September 8th
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 Menlo Park

across from Kepler & Book Store on El Camino Real Walking distance from Caltrain!

# **PAARA BADGES**



To order one, contact our Badge Coordinator:





# **VENUS CAFE**

CAPPUCCINO • LATTE • MOCHA CROISSANTS • MUFFINS • PASTRIES BREAKFAST • SANDWICHES • BURGERS ICE CREAM • SHAKE • FLOAT

2655 Broadway Ave (At El Camino Real) • Redwood City • Ca. 94063 • Telephone: (650) 368-9200



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