

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

VOLUME 55, NUMBER 11, November 2006

K6OTA**K6YQT**

P PAARAgraphs



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



CALENDAR

- | | | | |
|----------|----|--|--|
| Nov | 3 | PAARA Meeting 7:00–9:30 Menlo Park Rec Center 700 Alma Street Menlo Park, CA 94025 | |
| Nov | 8 | Board Meeting 7:00pm Red Cross Bld., 400 Mitchell Lane Palo Alto <i>(due to Parking Lot problems location may change, check net before Bd. meeting)</i> | |
| Dec | 1 | PAARA Meeting, 7:00pm | |
| Dec | 6 | PAARA Board Meeting, 7:00pm | |
| Jan..... | 19 | Winter Banquet | |

NEXT MEETING

November 3, 2006

SPEAKER and PROGRAM:

Ladies & Gentlemen of PAARA: We have confirmed the following speaker for the November meeting.

Mr. Budd Drummond, W3FF. Owner & Chief Designer of the Buddipole antenna. Mr. Drummond will come to visit us from his home in Redding, northern California. He would like to hear from his clients and others who have comments about his product or portable HF antennas in general. In fact, let's call his visit a special antenna forum for PAARA members and guests.

Budd will be bringing with him the latest and greatest bits and pieces of his Buddipole antenna system and will discuss his research and expertise with antennas. As an extra treat, Budd will be showing off some new products that nobody else has seen yet, and discussing his latest project—a recumbent bicycle rigged up for bicycle mobile with an FT-897 and a Buddipole—and share a few stories from his previous experiences achieving Worked All Continents (twice—once within two hours!) on an earlier bike. We are really looking forward to a great presentation so please make plans to attend this meeting.

Submitted by: Terry Finn. AA6T & Peter Sheerin K6WEB

'Tenna Topics'

by Vic Black



Lightweight 44 Foot Doublet

Doug Hendricks KI6DS uses a piece of 4-conductor ribbon cable, like that used in computers, to make an extremely light weight QRP double extended Zepp, the NorCal Doublet. Using a piece 50 feet long, he measures back 22 feet, then strips out and discards the center two conductors from that section. One 22 ft. long conductor makes up one side of the doublet, and the other conductor is the other 22 ft. length. Doug uses a cable tie to secure it to a small brass fishing snap swivel for use as a center support and to prevent the cable from stripping back any further. The rest of the ribbon cable becomes the transmission line. The two center conductors in the feed line are simply left in place to act as spacers. The outer conductors attach to your transceiver output antenna connector. Mount the antenna horizontally, vertically or as an inverted VEE or sloper. This small antenna rolls up and fits in a plastic sandwich bag for portable use. Use a balanced line antenna tuner with this antenna. It works quite well as an indoor antenna. PAARA member Ron Chester W6AZ has worked all states with this antenna mounted in his attic. And he did it on 5 watts or less.

The antenna was originally described in the Hints and Kinks column of the Fall 1999 QRPP, the official journal of the NorCal QRP Club.

Connectors

You can never have enough connector adapters, but sometimes you just don't have the right combination. Fortunately, you can sometimes get away without an adapter. Type N Male fits BNC Female directly as a push in. There is no twist lock or screw down strain relief, but it's a perfect fit, otherwise.

This works fine for a temporary connection. Strain relief it with tape or a piece of safety wire to hold the two connectors together.

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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.electronicfleamarket.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: www.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: <http://PAARA.org/> or Terry Finn, AA6T, 650-366-9111

FARS Foothills Amateur Radio Society

meets 4th Friday 7:30pm each month
contact: <http://www.fars.k6va.org/>

NCDXC Northern California DX Club

meets 3rd Thursday 7:30pm each month,
repeater for member info 147.360, Thur 8:00PM
contact: <http://nedxc.org/> or Mike Gavin W6WZ, (650) 851 8699

NorCalQRP Northern California QRP Club

meets 1st Sunday each month
contact: <http://www.norcalqrp.org/>

SPECS Southern Peninsula Emergency Communication System

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

SCARES South County Amateur Radio Emergency Service

meets 3rd 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 Clara County Amateur Radio Association

Operates W6UU & W6UU/R, repeater 146.985-pl
Nets: 2m, 7:30pm Mon; 70cm, 442.425+ (pl 107.2) Thur.
meets 2nd 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.
VHF: 52.58 (-500) 151.4 cttss UHF: 441.35 (+5.0 88.5) cttss
147.39 (+600) 151.4 cttss 1286.20 (-12m) 100.0 cttss
223.96 (+1.6) 156.7 cttss
meets 3rd Wed every month.
contact: <http://wvara.org/>, 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 3rd Wed. each month 7:30PM
HF, packet, BBS, ATV, OSCAR Gateway, NASA satellite.
contact: <http://paarc.org/> or Mac Millian 650-688-0423. MACM@paarc.org

American Red Cross, **SANTA CLARA VALLEY CHAPTER**

contact: <http://santaclaravalley.redcross.org/> or Scott Hensley KB6UOO, (408) 967 7924
fshensley@Novell.com

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

PAARAgaphs E-mail address: k6uro@arrl.net

Submit material for PAARAgaphs by the 15th

Text: WORD, RTF, or ASCII
Photos: JPEG or TIFF raster images

Missing PAARAgaphs, too many copies, wrong name or

Call on label? Contact Database Manager:

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

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

Officers

President Terry Finn, AA6T 650-366-9111
aa6t@arrl.net
Vice President position vacant

Secretary Adrianus Schrauwen, W6AJS 650-494-6256
w6ajs@arrl.net
Treasurer Ron Chester, W6AZ 408-243 2221
w6az@arrl.net

Directors

Director (*07) Gerry Tucker, N6NV 650-326 4908
n6nv@arrl.net
Director (07) Andreas Junge, N6NU 650-233-0843
n6nu@arrl.net
Director (*06) Kristen McIntyre, K6WX
k6wx@arrl.net
Director (*06) David Ungar, W6DH 650-255-2131
ungar@mac.com

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

Appointed Positions

Membership Vic Black, AB6SO 650-366 0636
ab6so@smrn.com
Database Rick Melrose K6RDM 408-732-2247
k6rdm@arrl.net
Chaplain Rev. Rick Line, KG6TMD 650 323 8544
kg6tmd@arrl.net

Station Trustee W6OTX, K6YQT, W6ARA...Gerry Tucker, N6NV
Station Trustee K6OTA...Ron Chester, W6AZ
Property Manager Gerry Tucker, N6NV
Fund Raising Coordinator .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 Kliibo, 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

PAARAgaphs Staff

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k6uro@arrl.net

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Wally Porter, K6URO, Mark Cohen, K6EF

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Member Profiles Terry Finn, AA6T 650-366-9111
terry@incognitoservices.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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THE PAARA ELECTION COMMITTEE RESULTS.

Pursuant to the PAARA bylaws, we must designate during the month of November in both the PAARAGraphs newsletter and at the regular meeting, who is available and has agreed to participate in the PAARA election of the Board of Directors which takes place each year during the December meeting.

The PAARA election committee is appointed by the PAARA President and serves at the direction of the PAARA Board of Directors. The Chief Election Official will be **Kristen McIntyre, K6WX**, who will oversee the actual election activity during the regular December meeting. She may appoint election workers or assistants as necessary who will report directly to her.

The election committee nominating group appointed was **Andreas Junge, N6NU; Doug Teter, KG6LWE; David Ungar, W6DH; and Adrianus Schrauwen, W6AJS**. These pillars of the community were asked to develop the names of PAARA members who were willing to commit to at least a one year term as a working member of the PAARA Board of Directors. All of the nominees have been interviewed and have agreed to take on this huge responsibility. The following nominees will be in attendance at the election on December 1/06. Kindly note the various positions that will be available and need to be filled by a qualified PAARA member. Those elected will take their offices on January 1, 2007.

| | |
|-----------------|---|
| President: | Position available. One year commitment. |
| Vice-President: | Position available. One year commitment. |
| Secretary: | Position available One year commitment. |
| Treasurer: | Ron Chester. W6AZ. One year commitment. |
| Director. | Gerry Tucker. N6NV. Commitment ends Dec 07. |
| Director. | Andreas Junge. N6NU, Commitment ends Dec 07. |
| Secretary: | David Ungar. W6DH. Available. |
| Director. | Doug Teter. KG6LWE. Available. |
| Director. | Joel Wilhite. KD6W. Available. |
| Director. | Rob Riley. KG6HVW. Available. |
| Director. | Byron Beck. KG6UOB. Available. |

Please note that there are eight Directors positions which include the Club officers of President; Vice President, Secretary and Treasurer. Two of the Directors positions are two year terms and two are only one year terms. **This year (2006-2007) we only have to elect TWO Directors for a two year term** as we already have two Directors who will serve out the last year of their two year commitment on this Board. We have four possible candidates for the two available Board positions and the three available club officer positions. Please make your vote count as PAARA really needs the best qualified people who are ready to work hard and serve the needs of their radio club. Any currently paid member of PAARA may vote at the election during the regular meeting.

Submitted by PAARA President. Terry Finn. AA6T.

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FARS/PAARA 2007 Winter Banquet

Mark your calendars. The FARS/PAARA annual banquet will take place on Friday evening, January 19, 2007. FARS is again teaming up with PAARA to put on this special ham radio event. The banquet will be held at Michael's at Shoreline in Shoreline Park in Mountain View. A sign up form will be available online here once the prices are determined. The banquet is scheduled for January 19th, 2007 starting at 6pm with a "no host bar". Dinner will be served at 7pm. We will open the program at 8pm, followed around 9pm by announcements and the raffle. For the raffle we will have ~ \$1000 dollars in Ham radio gear. Raffle tickets will be sold on site for \$1/ticket or \$5/6 tickets. Attendance at the banquet is open to anyone, but reservations and payment in advance of fees is required. We are now accepting reservations using a printed form: <http://www.fars.k6ya.org/events/banqsignup>, or on-line at <https://www.fars.k6ya.org/cgi-bin/b-signup>. We must receive your payment and reservation by January 15th at 12 noon.

When: 6:00pm - Open Bar (No Host)
 7:00pm - Dinner
 8:00pm - Presentation
 9:00pm - Announcements,
 Awards, Raffle

[This year we are opening the banquet to anyone who wants to attend. Note that unlike our regular meetings, attendance at the banquet is by reservation only and prepayment of fees is required. Our arrangement with the restaurant does not allow us to accept walk-ins. Reservations will close at 12:00 noon on Monday, January 15, 2007. Anyone signing up after January 12, 2007 should use the online form to ensure we receive your order in time.]

[To attend this event fill out a banquet signup form, or the online signup form. Be sure to include the appropriate payment with your signup. Look for a signup form in an upcoming FARS or PAARA newsletter.]

FARS/PAARA 2007 WINTER BANQUET SIGNUP

(January 19, 2007)

| Name & Call | Meal Choice | Amount |
|---------------|-------------|--------|
| You _____ | _____ | _____ |
| Email _____ | _____ | _____ |
| Guest 1 _____ | _____ | _____ |
| Guest 2 _____ | _____ | _____ |
| Guest 3 _____ | _____ | _____ |
| Guest 4 _____ | _____ | _____ |
| | Total | _____ |

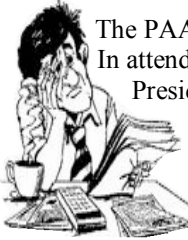
You may also signup online and pay via PayPal. You will need to sign up on the web site to use the online signup form. Use the contact page if you have trouble printing this form.

Send this form and your check payable to FARS to: David A. Cooper,
 PMB 41,
 270 Redwood Shores Pkwy
 Redwood City, CA 94065-1173

| Choice | Menu Description | Price |
|---------|------------------------------------|-------|
| Beef | Roast Prime Rib of Beef | \$ 38 |
| Chicken | Breast of Chicken, Florentine | \$ 31 |
| Fish | Broiled Salmon, Lemon Beurre Blanc | \$ 33 |
| Veg | Vegetarian Brochette w/ Wild Rice | \$ 26 |

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BOARD OF DIRECTORS MEETING.



The PAARA Board of Directors met on Wednesday evening, October 11, 2006
 In attendance were the following PAARA members:

President **Terry Finn, AA6T**; Secretary **Adrianus Schrauwen, W6AJS**; Director **Gerry Tucker, N6NV**.

Visiting the Board meeting were: Membership coordinator **Vic Black, AB6SO**; Database Manager **Rick Melrose, K6RDM**; QSL Manager **Rob Riley KG6HVW** and Technical Coordinator **Joel Wilhite, KD6W**.

President Terry Finn started general discussions at 19:30 hrs.

Unfortunately there was no Quorum for this rather important meeting agenda; no Board actions were taken during the pre meeting discussions.

No minutes of the past Board of Directors meetings were read.

The nomination committee consists of **Kristen McIntyre, Terry Finn** and an additional **board member**.

The board members whose terms expire are: **Terry Finn, President; Adrianus Schrauwen, Secretary; Kristen McIntyre and David Ungar, directors.**

No treasurers report was available nor read. **Rick Melrose** was requested by to give the incoming dues and proceeds from flea-market and from ARRL membership promotion to our treasurer **Ron Chester**.

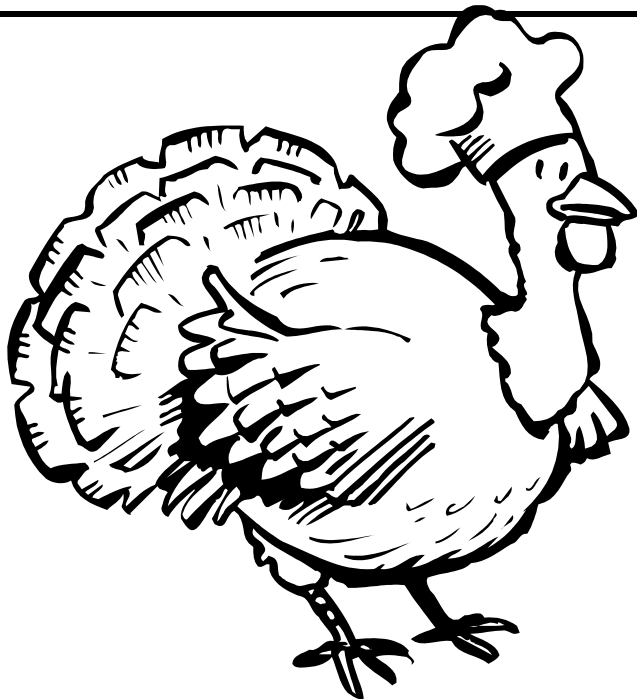
Database manager **Rick Melrose** was given the PAARA Master database on a CD, together with the labels sample and instructions to produce labels.

Other business: Suggestions were made for polling the candidates for the upcoming PAARA Elections.

The meeting adjourned at 20:15 hours.

Respectfully submitted by

Adrianus Schrauwen, W6AJS, PAARA Secretary



MEMBERSHIP NOTICE

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

ALL CHANGES OR CORRECTIONS

should only go to:

PAARA Secretary, Adrianus Schrauwen W6AJS
 hagenees@att.net, 650 494 6256, or at General meetings
 (this includes changes in Membership or Family Membership)

Want and For Sale ads in PAARAgaphs
 are **FREE** to members

Wanted:

RF Designer with CATV background
 Expert RF consultant needed for the design of a CATV inspection instrument. Experience in PLL and IF filter design required. Bench testing capabilities preferred but not required.

Penny F. Melrose, CEO

408 871 3309 direct, 408 313 5001 mobile

Datastick Systems, Inc.

51 E. Campbell Ave., Ste. 150

Campbell, CA 95008

408 871 3300 voice, 408 871 3313 fax

FOUND

A handheld radio was found in a Menlo Park restaurant
 Thursday night August 31. If it is yours, please contact:

Rob Riley, kg6hvw@arrl.net,
 and identify it for its quick return.

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

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Technical Tips

By Vic Black AB6SO

Should Fortune Telling Be Prohibited?

A couple of years ago, the California State Legislature tried to prohibit fortune telling in the state. They thought it was inconsistent with living in the twentieth and twenty first centuries. After receiving a lot of complaints, they quietly forgot that issue and moved on to more important matters. It seems some of the folks who complained the loudest were government financial analysts, who try to predict future business trends, and government weather prognosticators, who try to predict the weather. Both of those activities would have been prohibited by the pending legislation.

This is of concern to us as Amateur Radio operators because we would like to be able to get propagation forecasts to determine when the radio bands are most likely to be active and productive. We can often predict future ionospheric propagation trends with better accuracy than we can predict atmospheric weather. The reason for this is that the ionosphere is stimulated by both particles and radiation coming from storms on the surface of the sun. Radiation gets here in about 8 minutes and particles take a couple of days to arrive. The sun turns on its axis once every 27 days or so. Consequently, what we observe today will most likely be repeated again in about a month if it's a major disturbance that's still active next month.

Dr. Megacycle, James Duffey KK6MC, recommends a web site with a 27-day Space Weather Outlook Table located at <http://www.sec.noaa.gov/wwire.html>. The web page is maintained by the US Dept. of Commerce, NOAA, Space Environment Center. Jim says, "I find these 27 day forecasts quite useful and thought others might as well." Headings on the

chart are: Date, UTC Time, Radio Flux, Planetary A Index and Largest Planetary K Index. Desirable numbers for best HF propagation would be large Flux numbers and small A and K indexes. The Planetary K-index, averaged over past 3 hours tends to be a measure of current conditions. The Planetary A-index is a 24-hour average and represents overall geomagnetic field conditions for the UTC day. The solar Flux varies with overall sunspot activity and is high at the solar cycle high and low during the solar cycle low. You can receive the current daily numbers by listening to station WWV at 18 minutes past the hour on 2.5, 5, 10, and 15 MHz AM.

With a Kp Index of 0 and Ap Index of 0 – 2 we can expect Very Quiet geomagnetic field conditions and an HF background noise level of about S1-S2. When the K index is about 1 or 2 and the A index is about 3 to 9, geomagnetic field conditions are Very Low and HF noise is about S1 to S2. K index of 3 and A index of 12-18 correlates with Unsettled conditions and S2-S3 noise levels. K index of 4 and A index of 22-32 corresponds with Moderate disturbances and background noise levels around S3 or S4.

After that, things begin to get nasty. K index of 5 and A index of 39 to 56 indicates Minor Storm conditions with S4 to S6 noise levels. K index of 6 and A index of 67 to 94 indicates Major Storm conditions with S6 to S9 noise levels. Severe Storming usually follows K index of 7 and A index of 111 to 154. Then you can expect S9+ noise levels and only the strongest stations can be heard. Complete HF blackouts occur when the indexes are higher than this.

Aurora activity begins at K index of about 5 or higher and can actually enhance VHF communications. Shock waves from a solar flare or Coronal Mass Ejection (CME) arrive at the Earth about 55 hours after the solar event. 500 km/sec or higher density can trigger geomagnetic activity. Shock waves cause the earth's magnetic field to "quiver", thereby generating an electrical field which we hear as radio noise. Note that this noise is not the same as the intermittent "static crashes" that we hear after lightning strokes.

Congratulations: October 6th PAARA Raffle Prize Winners

- 1st Prize:** Henrique Drews KG6ZWQ / Super Antennas MP1 Portable HF 7-450 MHz Antenna with Mount
- 2nd Prize:** Don Frevert KG6GLU / Heil The Traveler Headset with Boom Mic
- 3rd Prize:** Rob Goodson N2RAG / Diamond X-30 2m/70cm Dual Band Vertical Antenna
- 4th Prize:** John Eisenberg K6YP / Two Uniden FRS/GMRS Radios with NiMH Batteries and Charger
- 5th Prize:** Paul Jemelian KG6JLE / 2 Hour Charger with 4AA NiMH Batteries
- 6th Prize:** Mark Foster KI6DHU / Xcelite Shearcutters / Flush Cuts
- 7th Prize:** Frank Weiss K6FCW / EZ-Wind Cord Organizer
- 8th Prize:** Andreas Junge N6NU / Dynamic Mic

PAARA Members and Visitors: THANK YOU FOR YOUR SUPPORT of the exciting monthly raffles! Since Feb. 03, 91 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

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PAARA November 3rd Meeting



PAARA The Friendliest Club Around ”

Palo Alto Amateur Radio Association, Inc. www.paara.org

Date and Time: Friday, November 3rd at 7 p.m.

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

Welcome Members and Visitors / Raffle Prizes:

FIRST 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

SECOND PRIZE: Astron RS-12M

RS-M SERIES



MODEL RS-35M

Linear Regulated Power Supply

Switchable Volt / Amp Meter
 9 Amps Continuous / 12 Amps Peak
 Maintains Regulation and Low Ripple At Low Line Voltage

THIRD PRIZE: American Red Cross FR-250 Emergency Radio AM/FM/SW

FOURTH PRIZE: ARRL 2007 Handbook with CD-Rom

FIFTH PRIZE: Kill A Watt / Electricity Usage Monitor

SIXTH PRIZE: Programmable Message Fan

SEVENTH PRIZE: ARRL / Amateur Radio Station Log

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

Since February 2003, 91 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

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Technical Tips

By Vic Black AB6SO

Computer Monitor RFI...

by Steve Yates AA5TB

I've had many problems with noisy computer monitors. Most computers will allow you to adjust the vertical scan rate and to move the HF frequency at which the emission occurs. Therefore, you may be able to go into your "display properties" and change the vertical scan rate and put the RFI on some unused frequency. If the video adapter is rather old you may not have too many (if any) v-frequency options, but it's worth looking into. Of course, as far as the computer user is concerned, the higher the vertical frequency, the better (less flicker) so long as you don't exceed the monitor manufacturer's specifications or run into strange video effects. The operating system (Windows 9x, at least) will usually allow you to easily go back to the old setting if things don't work quite right.

Used by permission from Steve Yates, AA5TB,
 Fort Worth, TX
aa5tb@arrl.net <http://www.geocities.com/aa5tb>



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

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

HAM FEST

at

ANGELINO S'RESTAURANT

3132 Williams Road, at Winchester Blvd.

2:00 PM

Second Sunday each month

www.Angelinosrest.com

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 st Mon. | Pink Foster, KG6ILA |
| 2 nd Mon. | Peter Sheerin, K6WEB |
| 3 rd Mon. | Peter Sheerin, K6WEB |
| 4 th Mon. | Bill Rausch, AA6PA |
| 5 th Mon. | Volunteer! |



QSO

November 3rd

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!

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PAARA BADGES



**To order one,
 contact our Badge Coordinator:**


Doug Teter, KG6LWE
 dteter@wawi.com

W6AZ



Ron Chester
 Santa Clara
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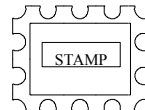
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