

W6OTX**W6ARA**PAARA NEWSLETTER
VOLUME 61, NUMBER 12, Dec 2011**K6OTA****K6YQT**

PAARAgraphs



The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.Celebrating 74 years as an *active* amateur radio club—*Since 1937*

December 2

ERIC SWARTZ, WA6HHQ

ELECRAFT K3 Features & Developments

Do not miss this special evening with Elecraft's Eric Swartz talking about the PAARA Raffle 1st prize **Elecraft K3**. Eric will talk about Elecraft new products, firmware, sponsored K3 DXpeditions, and many other interesting topics.

President's Corner

Unbelievably, we have arrived at our December 2011 issue of PAARAgraphs. It's been quite a year for the everyone, and another wonderfully successful year for your Palo Alto Amateur Radio Association. From a successful Flea Market, to Field Day, to a great roster of speakers, to the PAARASHoot, our general meetings, and all of the other events that our membership has participated in, we have continued to make PAARA truly be The Friendliest Club Around.



Of course, none of this happens in a vacuum. It only happens because of our dedicated membership and our leadership

team. I'd like first to thank our elected leadership team for their continued contributions to our success: Ron W6AZ, Rick K6RDM, Rebar N6DB, Rob KI6INR, Marty W6NEV, and Byron KG6UOB. I look forward to all of your contributions next year. There are also many unelected positions which are essential to making our club function, and if I attempt to list everyone, I will undoubtedly forget someone. Instead, I want to specially acknowledge a few people whom I interact with on a monthly basis. Jim, K6AK, does a fantastic job making the PAARA raffle happen flawlessly. Robin, KI6YTA, and Bob, K6RWY, both have made PAARAgraphs possible. Gerry, N6NV, is always working to bring gear to the Electronics Flea Market and sell it on PAARA's behalf. Joel, KD6W, has brought us some very expensive surplus gear to be sold at the Flea Market as well. Rolf, N6NFI, keeps the PAARA announcements going on the repeater. Doug, KG6LWE, puts in a heroic effort for each Field Day effort, along with Gerry. Jim, KI6KVW, has contributed in many ways, including a set of microphones to use for our meetings. Ron, KG6RLG, has been our raffle ticket seller now that Christopher, KG6SVI, is off at college. And there are more, and be assured that if I didn't mention your name here, it's not because I don't appreciate your contribution. It's just my poor memory and space constraints. If you think I missed you, please tell me, and I'll be happy to correct my

(Continued on page 8)



PAARA “Dream to Reality Raffle VIII” with over \$1900 in prizes

Raffle tickets will be sold until 9:30, Dec 2. YOU MUST BE PRESENT TO WIN THE GRAND PRIZE, WE KEEP PULLING TICKETS UNTIL WE GET A LIVE ONE.

Welcome Members and Visitors. Raffle Prizes:

FIRST PRIZE: **Elecraft K3 HF- 6m**

Ultra-High Performance Transceiver — *229th raffle radio since Feb. 2003*



“Special Thanks to Elecraft”

SECOND PRIZE: **YAESU FT-1900R**

“New” 2m / 55W / Mobile



THIRD PRIZE:

Arrow VHF/UHF Yagi Backpack Antenna with take-apart Boom *(Thanks Vic AB6SO!)*

FOURTH PRIZE:

XOX-TRAK Automatic Controller for Satellite Stations *(Thanks Nimit K6XOX!)*

FIFTH PRIZE:

PAC 12 Antenna 20m-40m *(Thanks James KA5DVS!)*

SIXTH PRIZE:

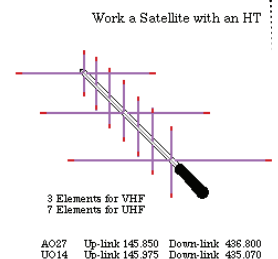
Two Midland FRS/GMRS Radios *(Thanks Vic AB6SO!)*

SEVENTH PRIZE:

Clamp-On threaded Antenna Mount *(Thanks Vic AB6SO!)*

EIGHT PRIZE:

NARCC Repeater Directory *(Thanks Vic AB6SO!)*



Since Feb. 2003, 229 Radios, including FIVE Elecraft K3's, 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 Howard, Jon, Mark, and everyone at HRO for their continued SUPPORT!

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

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 Director ('11) Larry Rebarchik N6DB 650-465-8210 (cell)
 n6db@arri.net

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 Public Affairs..... *Position Vacant*
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 Badge Coordinator..... Lynn Gentry, KG6JPV
 Historian Position..... *Position Vacant*
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 Ticket Master *Position Vacant*
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 ab6so@smrn.com
 Photographer Bill Young, K6VWO
 jdsinger@sbcglobal.net

Future PARRA Meeting Dates

Dec 2nd, Jan 6th, Feb 3rd, Mar 2nd

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/>

PAARA — Palo Alto Amateur Radio Association

Meets 1st Friday 7:00pm each month at Menlo Park Rec. Center; Net 145.230 - PL 100Hz
 Mondays at 8:30. See our website at <http://www.paara.org> for more information or contact:
 Joel Wilhite KD6W, kd6w@arri.net, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:30pm
 Contact: <http://www.fars.k6va.org>

NCDXC — Northern California DX Club

Meets 3rd Thursday 7:30pm each month,
 Repeater for member info 147.360, Thursday 8:00PM
 Contact: <http://ncdxc.org> or Mike Gavin W6WZ, (650) 851 8699

QCWA Chapter 11

Northern California Quarter Century Wireless Association

Meets third Wednesday monthly at Harry's Hofbrau in Redwood City @ 11:30 AM.
 Guests are welcome. Saturday morning net on 146.850 MHz, PL 114.8

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://specsnet.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

TEARS — The Elmer Amateur Radio Society

Dedicated to operational training, knowledge building & FCC exam testing.
 KV6R repeater under construction.
 Contact: AA6T@ARRL.NET
 Most members are Extra Class or VE's. See QRZ dot com/kv6r for class info

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 ctcss UHF: 441.35 (+5.0) 88.5 ctcss
 147.39 (+600) 151.4 ctcss 223.96 (+1.6) 156.7 ctcss 1286.20 (-12m) 100.0 ctcss
 Meetings are 3rd Wednesday of every month.
 Contact: <http://wvara.org>, Bill Ashby N6FFC, 408-267-3118, N6FFC@Juno.com, or
N6FFC@ARRL.NET

**American Red Cross,
 Santa Clara Valley Chapter**

Contact: <http://santacalaravalle.redcross.org> or Scott Hensley KB6UOO, (408) 967 7924
shensley@Novell.com

(Please send changes to [PAARAgaphs editor](#))

Baofeng UV-3R LPF Mod

I bought a tiny dual-band HT from Baofeng UV-3R from Mega409shop on EBay for an amazing price, \$49, including shipping. It has a few of problems that need correcting, and I was able to correct one of them.

The volume is too high at the lowest setting, and should have a better range. The Low Power setting isn't useful. And the low-pass filter is inadequate on the 2M band, and depends on the antenna to filter out the second harmonic.

This page describes a fix to the Low Pass Filter that provides more filtering of the second harmonic of 144-148 MHz.

The LPF Modification

I modified my Baofeng UV-3R 2m/70cm HT to have additional filtering, as [first described by Clint KA7OEI](#) and [Andy G0FTD](#).

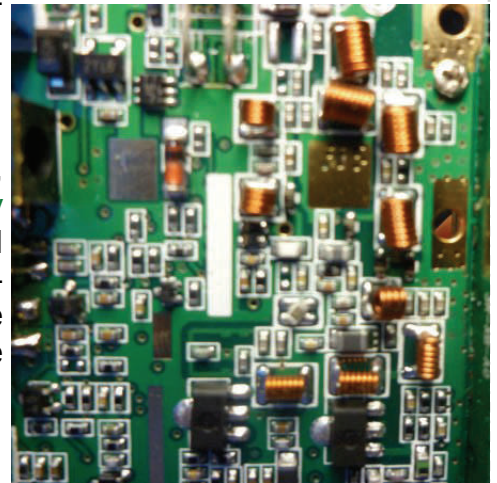
I used a 33pf SMT capacitor size 0805. That size is too big to fit in the original intended spot, but it fits nicely between the coil and case ground pad, and has less inductance than the leaded part others have used in this location.

Before

I don't have any spectrum analyzer photos from before the mod, but **before the mod, the second harmonic from 144 MHz was only 20-22dB below the fundamental**, when measured directly coupled through a 70dB attenuator. However, when transmitted the supplied VHF antenna and received, the 2nd harmonic was not visible above the noise floor, so it was down at least 56dB through the antenna.

After

You can see the 0805 size 33pF capacitor. It's a challenge to heat the ground plane enough to solder the small part so I wound up using a through-hole tip for that end. For the coil end, I used a hook-shaped SMT tip.

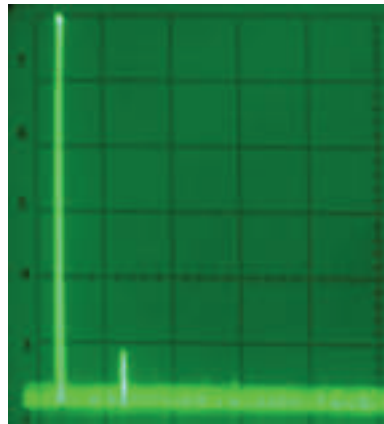


(Continued from page 4)

After mod, full power, near 144 MHz



The 2nd harmonic is down about 48 dB from near 144MHz.



The 2nd harmonic is down about 52 dB from near 148MHz.

Output Power

After the modification, I get 2.2W out on 144 MHz and 1.8W out on 446 MHz measured with a Yaesu YS-500 into a good VHF/UHF dummy load. In absolute terms, the second harmonic is 14 μ W to 35 μ W.

Low Power

On low power, I get 1W on 446 MHz, but I couldn't accurately measure the VHF low power with my watt meter.

On VHF, post-mod, it seemed that the 2nd harmonic got stronger by about 6dB (in absolute power) when going from High to Low power. KA7OEI [says](#) he expected this modification to help there too, but I didn't measure it before.

Given the odd behavior of low power on both VHF and UHF, I don't think it should be used, at least not in its current state.

Leigh L. Klotz, Jr WA5ZNU



Richard Dillman, Maritime Radio Historical Society



Radio Display by Rick W6NIR. Photo: David, W6DH

RE-CREATING THE ENOLA GAY RADIO DECK

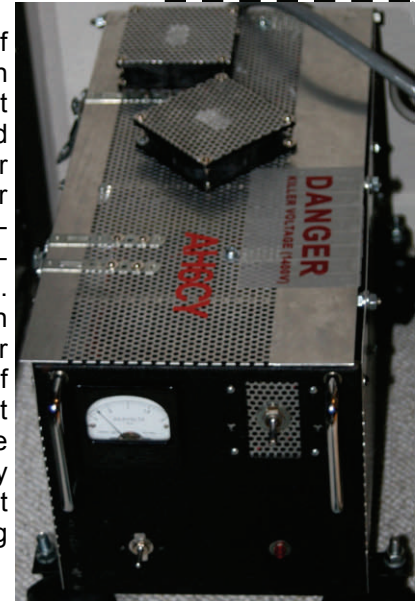
Hiroki “Hiro” Kato AH6CY/ex-JA4AAO

This article first appeared in August 2011 Issue of Electric Radio

Part Three
 Part Four
 Next Month

Power Supply

The communication system on all the B-29s, as it was common on most airplanes of the time, was powered by 28v DC and used dynamotors to produce necessary high voltages for tube plates. I home-brewed an AC power supply to produce the same set of high voltages, including 1300v and 400v DC. I used as many components as I could find from the WWII era, except I used silicon rectifiers instead of mercury rectifier tubes as many old timers before 1970's did. My PS is heavy and bulky, much heavier than the ART-13, which itself weighs 75 lbs. Today you can easily build a small, efficient and much lighter power supply in one quarter of this size and weight, using modern, efficient toroidal core transformers, diodes and high value electrolytic capacitors. You can eliminate iron cored filter chokes altogether. For the BC-348 which came with a built-in dynamotor, I took the dynamotor out and replaced it with a 6X4 tube rectifier and a power supply transformer from an old tube audio amp. I left the dynamotors of the HF Command Set radios without modification as they do not require high current unlike the ART-13. Some purist hams use the original D-17 dynamotor to power the ART-13 as is done on the aircraft, but doing so would require a PS that continuously provides 50 amp and can tolerate an initial surge as high as 90 amp. In theory, it would be doable by using a bunch of commonly available 12 v DC PSs connecting them in a parallel and series combination, but I didn't relish the thought of such a PS.



Radioman on the Enola Gay

A few words about the radioman on board the Enola Gay are in order. Richard Nelson was a naïve 18 years old (who isn't at that age?)¹¹ who trained in the radio school in Minnesota for six months prior to his assignment to the 509th Composite Group. His was the loneliest and the most boring duty on board and I don't blame him for his addiction to trashy novels, which he sneaked into the B29 against military rules. Like any military radio communication, transmission was kept to the minimum necessary extent, lest the enemy was listening.

Nelson wrote (with a co-author) a memoir, a book which would not likely make a book-of-the-month selection, and yet, to me, is an important and the only source I have come across from which I found out what specific messages and on what frequency and mode and what time transmissions were made in connection with the Hiroshima mission. The Enola Gay circled the area for about twelve minutes before Captain Tibetts ordered Nelson to send in a strike report to Tinian; he sent in CW code, translated from an encrypted sheet, saying, "Results clear cut, successful in all respects. Visible results greater than Trinity. Conditions normal in airplane following delivery. Proceeding to Tinian." Nelson does not mention the specific frequency he used for sending this message, but judging from the fact that an hour prior to the bomb run he received a weather report from another B-29, which had flown over the city, on 7310 kc, I would speculate the frequency used was in the 40 meter range.¹²

In my view, Nelson was not particularly conscious of, or moved by, the historic nature of his mission; he couldn't wait to return to his novel on the way back to Tinian¹³.

Friends Indeed

This kind of project is unthinkable and certainly not possible for me without a lot of help from friends and experienced hands; indeed I received much help from near and far. Mark Meltzer AF6IM of the parachute mobile fame and a fellow PAARA member provided me with an ART-13 in pretty good shape. I was happy that he, a local ham, responded to one of my wanted ads as soon as I posted them on the Internet sites. The ART-13 does show up on the electronic market from time to time, but one problem is that shipping cost can be prohibitive. Given the bulk and delicateness of the equipment, not every seller is willing to pack it well. You know, a "local pick up only" ad on eBay. An old friend Rich Bonkowski, W3HWJ, offered me several power supply components from his junk box; he also built a 1300v rectifier board

(Continued on page 7)

(Continued from page 6)

for me in a very small form factor using only the recycled parts. The HV transformer to feed the 813 and a pair of 811s is the largest and heaviest component I have ever used personally. It alone weighs 40 lbs. Dave Crocker, W6VYC, (also known as the “Northern Dave” because his QTH is at the northern edge of Silicon Valley), Dave Flack, W6DLF, (the “Southern Dave”) and Tim Dolan, K6OM, the members of our small QRP outing group, QRPOps, are my specialty moving company; Tim’s truck allows to transport the entire set up (altogether weighing 300 lbs) plus all the personnel, hi.

Sam Kelly, W6JTT, has been exceedingly generous in providing me with technical assistance and accessories that I didn’t even know existed. Here is what happened: I came across his for-sale ad in the Electric Radio magazine where he was offering many items of WWII vintage, including an ART-13. By the time I reached him, the ART-13 was gone, but when I explained to him what I was trying to do, he became my instant mentor and phone counsellor. When I came home one day from a walk with my dog, I found a small package sitting in front of my front door. I was not expecting a new package as everything I had ordered has already arrived. Sam on his own sent me two accessories that are part of the B-29 radio system; each of the two pieces (one has volume control; the other a rotary switch selecting the intercom, command radio, etc.) were used at every crew station on the B29. What an Elmer extraordinaire and I haven’t even met him in person, though I am eager to meet him on 80 meter AM soon!

Charlie and his semi-trailer truck

I have gotten to know a lot of interesting people in the process of working on my project. I ran into this ham at the West Coast Military Radio Collectors conference in San Luis Obispo in April, 2010, when the “Southern Dave”, W6DLF, and I went there in his camper. As I was talking to people about my interest, Charlie (his call sign withheld) said, “I have a semi-trailer truck, stuffed with WWII radios. Some of them have never been opened. I don’t know what I have but you can come over and look for whatever you need. I may have what’ya looking for.” Eric Norris, WD6DBM, another member of our QRP outing club and I drove to southern California in August and spent an afternoon inside Charlie’s dusty and hot trailer with flash lights, sweating like crazy. Sure enough we were able to locate some great gears including a few virgin ARC-5 radios. He actually had more than one trailer full of gears; I have never seen as many piles of used and new-old-stock gears as Charlie’s. On the second floor of his barn, separate from the trailers, he had metal shelves reaching from floor to ceiling with thousands of NOS tubes. Eric and I came home happiest campers, with a bunch of treasures. My BC455A acquired on that trip is a pristine, never before used radio and still works perfectly.



Completed Radio Deck with Radios

¹¹ Paul Tibbets was 30 years old at the time of the Hiroshima mission.

¹² Trinity was the code name of the first successful nuclear test explosion conducted at Alamogordo in New Mexico in July, 1945, where Tibbets was one of the observers. The members of the 509th group watched a film of the Alamogordo test at Tinian.

¹³ Though Captain Tibbets was fully aware of the historic significance of what the Enola Gay accomplished, contrary to the popular belief, he never uttered the words, “My God, what have we wrought!”. His own memoir, the “Return of the Enola Gay,” a signed copy of which I own, makes it clear that this phrase was concocted for the Hollywood production, “Above and Beyond.” Incidentally, signed copies of his book are not as valuable, in monetary terms, as one might think. He must have signed thousand of copies as he appeared in many public occasions in post-war period and did a lot of book signing, they are available readily in the used-book market even as of 2010.

(Continued from page 1)

mistake. Thank you all for your incredible contributions to PAARA in 2011.

We have many exciting activities planned for PAARA in 2012, and we can always use your help. Plans are firming up for a trip to the KPH marine radio station sometime in the spring of next year. You'll be hearing more about that in the coming weeks. We will be asking for your assistance in making this a fun trip for everyone. If you went last time, you know how much fun this is, and how much we learned about the history of these marine shore stations, and about the history of communications in general. Don't miss it! As a hint, keep April open on your calendar ...

If you've been on HF at all, you probably have noticed how much band conditions have improved. This is particularly true at the higher frequencies, with 10 meters and 12 meters being particularly active and surprising. At work, I worked stations in South America from the mobile, and that was fun. On the recommendation of PAARA member Ralph, AG6Q, I turned on the rig at home at about 7:30AM local, and 10m was just hopping! There were stations from all over the EU there for the picking. I worked stations in Sweden and the UK on CW with just 60W, and then turned on a little more power, and worked a portable station in the UK on phone with 165W. That station was just a loud as could be. It was fantastic. A couple of days later, I worked the Czech Republic on 10m phone. If you have the time and the capability, I recommend 10m in the morning.

That's it for this month, and for 2011. Don't miss the PAARA Dream To Reality Raffle, and get your ticket to win an Elecraft K3. We have many other great prizes, including a donated PAC-12 antenna from James, KA5DVS, and a donated az-el rotator controller from Nimit, K6XOX. We will also have Eric from Elecraft to tell us about the latest ham radio toys they are making. Also, mark January 20, 2012 on your calendar for the Winter Banquet.

Minutes of the 14 November 2011 PAARA Board

The Board Meeting was held at the Palo Alto Red Cross building, commencing at 7:40 PM on the 16th of November, 2011. Attending were Kristen McIntyre K6WX (Pres), Rick Melrose K6RDM (Sec, Database), Ron Chester W6AZ (Treas), Byron Beck KG6UOB (Dir), Marty Wayne W6NEV (Dir) and Jim Thielemann KI6KVV (Election Committee Chairman). A quorum was present.

Secretary's Report: Rick K6RDM reports that the minutes of the 19th of October Board meeting had been previously submitted and approved. There were 16 renewals and one rejoin at the November 4th General Meeting.

President's Report: Kristen K6WX reported that Tom Berson ND2T's talk and graphics of the DXpedition to the South Orkney Islands of Antarctica, at the November 4th meeting was very well liked. Of particular interest was the information regarding the logistics and the very impressive costs involved. Kristen reminded us to "talk up" our December 2nd meeting, which will feature our Dream to Reality Raffle of an Elecraft K3, with a talk by Eric Swartz WA6HHQ, one of the two founders of the company. The membership is again encouraged to plan on attending and to let your ham friends know the normal ticket prices apply to the Dream to Reality raffle and they don't have to be club members to have a good chance at winning a K3. According to Elecraft, we have given away more consecutive K3s, five, than any other club (even one ticket gives a shot and two cuts the odds in half and doubles your chances!). The December meeting will also

(Continued on page 9)

(Continued from page 8)

be the occasion of the election of new officers by the 2011 membership for the coming year, 2012.

Although the November meeting was held in our regular room in the Rec Center, with a noticeable improvement in the acoustics (though the work may not be entirely complete), we expect our December meeting will be located in the City Council Chambers, as our usual room is normally needed for other holiday events in December.

Kristen went over the schedule of event speakers for the first few months of the new year. The January meeting will be our Home Brew Night. Following that, on Friday January 20th, will be the popular Winter Banquet at Michael's restaurant on Shoreline in Mountain View, hosted by PAARA and FARS, the Foothills ham club.

Marty W6NEV reported on the progress of plans for another club visit to the restored ex-RCA coast station, KPH, at the Point Reyes National Seashore on our targeted date of April 28th, 2012. See the website of the Maritime Radio Historical Society

(MRHS), <http://www.radiomarine.org/> for more information. Taking projected costs into account, it looks like we can offer the opportunity to visit the station to our membership at the same \$40 rate that was set for our previous visit (we filled the bus). We would meet at the parking lot of the Menlo Park Recreation Center at 8:00 AM and return at 6:00 PM. The Board approved a motion to go ahead and reserve the bus and work out the plans. Details will be provided as plans firm up.

The meeting was adjourned at 9:30 PM.

Available Badges

KI6DQF	Kevin	Redwood City
K6FTF	Mark	San Jose
KJ6GBE	Sreendish	Redwood City
K6GHD	Buzz	Mountain View
KJ6GUK	Karl	Redwood City
KG6GY	Art	San Jose
N6JCY	Joani	San Jose
KG6QKN	Francis	Palo Alto
KG6QKO	Kali	Palo Alto
KF6SRD	Chuck	Palo Alto
K6TSR	George	Portola Valley
K6VVK	Vincent	Palo Alto



November Raffle Winners

Pictured Left to Right

- 1st Lee Klotz / WA5ZNU -- FT-60R
- 6th Darryl Presley / KI6LDM -- Bongo Ties
- 2nd Tom Arnold / K6AET -- Samlex Power Supply
- 5th Daniel Rahamim / KJ6SEE -- NARCC Directory
- 3rd Ray Fellers / KJ6AMF -- Battery Tender
- 7th Gary Barnes / KI6HIG -- World Prefix Map

Not Pictured

- 4th Doug Teter / KG6LWE -- Kill-A-Watt



James Farrey
 Sales Manager

James Electronics Ltd
 1355 Shoreway Road, Belmont, CA 94002
 Tel: 650•592•6718 x 350 Fax: 650•802•1520
 Direct: 650•802•1511 jfarrey@jameco.com

www.jameco.com

YOUR AD
 HERE

*Badges are ready for
 pickup.*

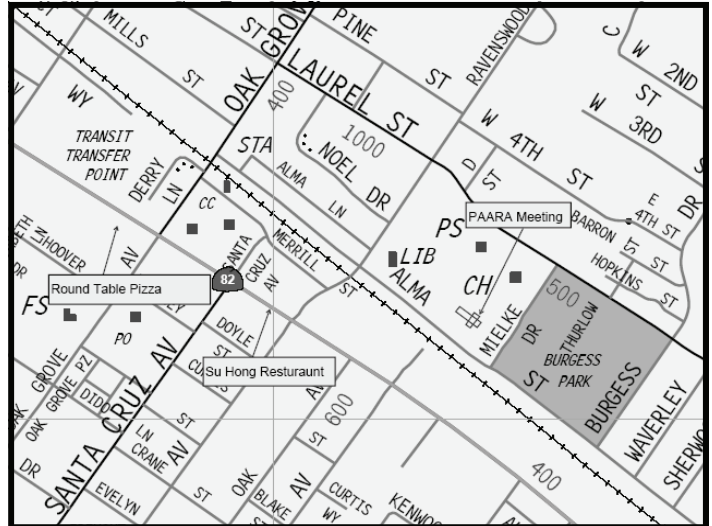
If you would like to
 order a badge, see
Lynn Gentry, KG6JPV.

PAARA Weekly Radio Net

Info and Swap Session
 every Monday evening at 8:30pm
 on the N6NFI 145.230 MHz repeater

<u>Week</u>	<u>Control Operator</u>
1 st	Michael - N6MEB
2 nd	Doug - KG6LWE
3 rd	Jack - N1VSL
4 th	Marty - W6NEV
5 th	Up for Grabs!

If you're interested in trying out at Net Control,
 Contact Doug, KG6LWE. It's good practice,
 and lots o' fun! Give it a try.



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

Join us for pre-meeting eyeball
**Eye Ball QSO
 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's Book Store
 on El Camino Real
 Walking distance from Caltrain!*

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.

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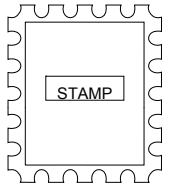
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