

W6OTX**W6ARA****PAARA NEWSLETTER**
VOLUME 63, NUMBER 3, March 2013**K6OTA****K6YQT**

PAARAgraphs



The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.Celebrating 76 years as an *active* amateur radio club—Since 1937<http://www.paara.org/>

The 3D2C Conway Reef DXpedition

Paul Ewing, N6PSE

Conway Reef, discovered by Royal Navy Captain Drinkwater Bethune of HMS Conway in 1838, is a coral reef of atoll type about 280 miles southwest of the Fiji Islands. The reef is uninhabited apart from a number of birds which appear to have almost no fear of humans.

Paul Ewing is a recently retired Silicon Valley Technology Executive. He holds Bachelor's and Master's degrees from St. Mary's College. Paul was an early Internet pioneer running the systems, networks and data centers for such Internet companies as eBay, Yahoo and Google during their early years. Paul has been an amateur radio operator since 1982. Since 1992 he has been a serious DXer. He loves to travel and participate in DXpeditions.

March 1, 2013**7:00 pm****Cubberley Community Center****Room H-6****4000 Middlefield Road****Palo Alto, CA 94303**

President's Corner

We are nearly into Spring now and hoping for better propagation. It's been a fun few weeks for me with a trip to the Yuma Hamfest to speak about Maxwell's Equations, and my assimilation into the IOOK (more on that below). There are some exciting contests coming up, and also the 2013 Field Day package has been released.

The Yuma Hamfest (www.yumahamfest.org) for 2013 was a wonderful experience this year that

was enhanced by seeing some of my friends from the Bay Area there, as well as my new friends in Arizona. I drove down in two steps, staying overnight in Brawley, CA, and then finishing the journey the next morning to Yuma. As I walked into the Yuma County Fairgrounds, I saw someone who immediately looked familiar, and he was looking back at me with that same look. It was someone who has spoken at PAARA before; Neil, W6FOG and his parrot! I was very surprised. After we chatted for a bit, I checked in with the organizers, got some lunch, and immediately ran into Doyle, KG6YUN. It was time to give my talk soon after that, so I went to the Newcomer building and set up, when in comes Pink, K7ILA. It felt just like being at home. The talk was attended by about 35 brave souls who took the journey with me into the differential geometry of Maxwell's Equations. We had great fun. Following the talk, I visited with some of the vendors and then went to the International Order Of Krazies (IOOK) Technology Center to see some of the friends I made last year, and to see what great old gear they had for sale over there. I saw Keith, WA8ZWJ, Chas, AI0OK, Charlie, NN3V, and flat kbob, W8JUK. On Sunday I had some great conversations with the rep from Rigol, and a nice guy who is building SDR receivers that digitize right at the antenna. I also talked with the folks from Flex Radio Systems about porting their

*(Continued on page 2)*

(Continued from page 1)

stuff to the Mac, as usual. That afternoon, I was assimilated into the IOOK as a Vice President (it's a long story), when former East Bay Section Manager Ti-Michelle Connelley, NJ6T, presented me with my 'official' IOOK blue tee-shirt. The final activity was the Buzzard BBQ and Raffle. No K3 for me this year, but there was a host of great prizes again this year. It was a wonderful experience, and I'm sure I'll be going back again next year. I had a wonderful drive back on Sunday that included a nice steak dinner at Harris Ranch in Coalinga. It was an unforgettable weekend.

The Spring contest season is just starting, so it's time to get that HF gear ready to go. Sadly, the ARRL DX CW contest was the same weekend as the Yuma Hamfest, so I missed it. That's one of my favorites, but there are others coming up soon, including a number of state QSO Parties. At the end of March is the CQ World Wide WPX Contest, SSB. This is the prefix contest, where unique callsign prefixes are worth more points. It's a great contest to search for DX, since they often have interesting prefixes. Don't forget that there are often great opportunities to work contest stations on the days preceding the big contest weekend as they tune up the station. In particular, try the Wednesday and Thursday evening beforehand.

The PAARA board, and particularly PAARA Vice President Marty, W6NEV, have been hard at work getting both Field Day and regular club tee shirts ready for you to be able to purchase. The designs and quantities have been approved, and we have other items we are looking at with the PAARA logo as well. We hope to have them available very soon for you.

Lastly, the Field Day information packages are now available, which is a reminder that it's time to start thinking about FD. It's only a few months away now. Start thinking about operating and volunteering to help set up and tear down.

That's about all the news for this month. I hope to have more for next month, but until then, CU AT A PAARA MEETING DE K6WX

Two Clandestine Radios of WWII – Update

Hiroki "Hiro" Kato

AH6CY

Part 1

First printed in Electric Radio, March, 2013

After the publication of my article in the November, 2012, issue of Electric Radio I have received many letters and additional information from the readers regarding the two radios. I would like to share some of them that would shed further light on these historic radios. I have also built another "clandestine" transceiver all concealed in a canteen, sort of a hybrid of the original canteen radio and the Paraset. I would like to show the readers some photos of that new canteen "spy" radio here.

Two Radios, Two Hutchisons

Tim Sammons (N6CC), who built his own version of the prison canteen radio which is now on display at the Danville Veterans Memorial Hall in Danville, California, led me to more publications than I knew which offer fascinating further details relating to the prison radio.



(Tim Sammons' canteen radio replica)

One book in particular, entitled "First Into Nagasaki" was an edited journal by the son of ac-

(Continued on page 3)

(Continued from page 2)

complished war time correspondent, George Weller. The journal and much of his other real-time reporting were suppressed by General MacArthur's headquarters in Japan in the immediate post-WWII era and was not made public until the publication of the book in 2006. On September 22, 1945, a scant few weeks after the end of the Pacific theatre of WWII, Weller happened to interview Captain Russell J. Hutchison, on a hospital ship, the Haven, in the Nagasaki harbor. Weller's account, I believe, is the most accurate historical record of the single-tube radio in the POW camp. Captain Hutchison was the builder of a single tube prison radio in the Davao, Mindanao, camp in the Philippines and was later transferred to the Cabanatuan camp, a few hundred miles to the north where he met with Lieutenant Howard Hutchison (yes, another Hutchison but no relation, an incredible coincidence! In the last article I misspelled Hutchison as Hutchinson. My deep apologies.) who had built a single-tube canteen radio that I wrote about in the ER. So, there were two single-tube radios built independently and in separate POW camps and the builders did not know each other's effort until they ended up in the same prison camp later. Some details that emerged in Weller's interview include the following:

In order to minimize the risk of exposure of clandestine listening activities to the Japanese captors the existence of the radios was known to a very small group of American prisoners.

Weller wrote,

".....only a close inner circle comprising the American commandant and inventor [Hutchison] in each camp knew that any set existed. The secret was kept from Americans by Americans themselves."²

I mentioned in my last article how each component of the canteen radio, taken apart, was carried by soldiers transferred from Corregidor for the Cabanatuan camp after their capture. Captain "Davao" Hutchison told Weller how he

smuggled his demounted set to Cabanatuan from Davao on the Japanese transport ship,

"...in three sealed-up cans of corned beef, and the tube in a can of cocoa. The potentiometer, too big to be hidden in cans, was buried in medicine by the camp physician Lieutenant Colonel Dwight Deter. When an unknown hand opened the food cans and found the parts, Hutchison obtained four bars of laundry soap and buried them in those."³

"Davao" Hutchison's radio used an electric light socket as a power source and after he arrived at Cabanatuan he operated it in the Catholic Chapel which was relatively free from Japanese prison guards' visitation. He plugged it in from the chapel's chandelier and hid it among lacy alter cloths. He had a reputation of being a devout Catholic in the camp, not surprisingly. However, still fearing that some leak would occur he dismantled the radio and it was eventually buried in a latrine by Lieutenant Colonel "Oley" Olson, the former Davao commandant.

Building, listening and transporting a radio was an extremely perilous endeavor, including instant execution. Weller wrote, "Both sets were used principally at night with an elaborate split-second system of American guards and plausible diversions to keep the Japanese lulled. Davao Hutchison had rehearsed his raid warning system until it was down to fifty-five seconds for a complete dismantling." As for the other radio in Cabanatuan, whose listening post was a watch repair shop, "[w]hen Ely whispered, 'The Japs are coming,' Hutchison would detach the headphones and pitch them through the window to Brown who would walk to the nearby latrine before the Japanese guard hove into view. He would thus be able to simulate emerging from the latrine when the Japanese arrived."⁴

It was still not without some close calls. In one instance, "...when Captain Hutchison had stolen a new tube and was entering the camp gate with it concealed in his armpit, the Japanese commandant Major Mayeda brought him to a

(Continued on page 4)

(Continued from page 3)

trembling halt....[it turned out that] all Mayeda wanted was to ask [Hutchison] to make him a souvenir cigarette case.⁵

When one reads in the US Army publication, as I quoted in the last article, about the single-tube prison radio where it is mentioned that the American POWs were listening to news from San Francisco, Saigon or Tokyo⁶, one may conjure up some melodramatic scene. But it was far from POWs' enjoying shortwave broadcast programs coming from afar to kill the boredom of prison life. The reality was quite different: the main reason that the radio was built and used was "...not to pick up news but in order [to] get some advance warning of when MacArthur was approaching," as they "felt the Japs would be sure to massacre all the Americans in Davao and in nearby Lasang camp as soon as landing parties came ashore." The American POWs hoped to evade massacre by breaking out from the camp beforehand and hiding in the hills.⁷

Another book which contains some relevant information to the clandestine radios is *Conduct Under Fire* by John A. Glusman⁸. Glusman is a son of one of the four doctors in the Japanese POW camp whose biographies the book is about, and is editor-in-chief of Farrar, Straus and Giroux. He wrote:

"Smuggling was dangerous work, and those who engaged in it risked their lives. To travel from Manila to Cabanatuan, Filipinos were forced to ride atop boxcars or between them, or even on a cowcatcher, which could rattle the nerves of almost any courier. Japanese guards regularly harassed them."⁹

"Inside Cabanatuan Lieutenant Homer (sic.) T. Hutchison, Corps of Engineers, assembled a shortwave radio from components that filtered into camp. From copper, acid stolen from a Japanese truck's battery, and zinc buttons removed from trouser flies, Hutch made a radio battery, which he stored in a Red Cross tin, and concealed a one-tube receiver in

the false bottom of a canteen. He hid earphones in a pillow at night and, pretending to be asleep, picked up broadcast from around the world. But Hutch wanted to make sure that no one could ever finger him, so he played dumb as a stump. He wouldn't disseminate the news until the Japanese sent out a work party, or a new contingent of POWs arrived. Hours later he'd drop into conversation 'I heard a good rumor' – about the latest naval engagement or American landing. And 'nobody,' said Al Smith, 'knew where the rumor came from.' As a result, bragged Alfred Weinstein, 'We were never more than a week behind the news.'"¹⁰

While these passages by Glusman make an interesting reading, they seem to contain a number of factual inaccuracies or errors of conjecture. We now know, for example, that there were two different Hutchisons and the two different single-tube radios built independently of each other, the confusion of which is, in a way, understandable. Glusman even had Lieutenant Hutchison's first name wrong, but this may not be completely his own fault. His description of these pages was a result of his apparently consulting several books, some which were written by the prisoners in the POW camps themselves.¹¹ The factual errors occurred, in my opinion, because these books and sources on which Glusman depended are second- or third-hand sources and mostly written years after the POW camp era. Human memories are not as dependable or accurate as we wish them to be and, moreover, for some subconscious reasons, some writers tend to be revisionist historians, actually some even not so subconsciously.¹²

Frank Adams (ex-W7ZRE) wrote to me with a copy of several pages from a book called *Sandakan: Conspiracy of Silence* written by an Australian historian and author. The book is about the British/Australian POWs in a Japanese camp in Borneo. It was another most brutal

(Continued on page 5)

(Continued from page 4)

camp where 2,434 prisoners perished and only six, all escapees, survived. In the book we learn that the prisoners there first built a crystal radio but it could only pick up local stations, and later sought to build a tube radio using smuggled parts with a help of Chinese underground workers around the camp. It does not give technical details of these radios, so I cannot tell whether it was a single-tube or multiple-tube job, but we do learn that it was a regenerative receiver with “powerful” reception. Like the situation with which the American POWs faced in the Philippines, security was of paramount importance. Thus,

“[The] small band worked in secrecy, sometimes in Matthew's or Well's cubicle, sometimes in other huts while the occupants were engaged elsewhere. After each session the partly built set was safely hidden usually wrapped in a groundsheet and lowered on lengths of wire to the bottom of a disused latrine.”¹³

Obtaining power presented the most difficult problem. Silver relates:

“When determined search for fresh batteries proved fruitless, Wells demonstrated how inventive he could be. Using test tubes supplied by ambulanceman Sergeant W. 'Mac' McDonough, boracic acid and sodium borate brought in as medical supplies, along with pieces of metal foil from the lining of a tea chest in which the rice was delivered, he came up with an ingenious chemical rectifier which enabled him to convert the camp's electricity [AC] supply to DC. The aerial ...was more easily solved --- a length of wire was attached to a clothes line strung between huts.”¹⁴

The ingenuity employed in building the receiver did not stop there. Incredibly, Weller, the guru of the radio engineers of the camp, became more ambitious and would build a transmitter. In this camp, the underground collaborators were helpful in obtaining many parts, but some

things were quite unprocurable. Still,

“... this was no deterrent to Wells. He simply made the parts improvising components whenever necessary. As had been the case with the radio receiver, the grid leak condensers were made from metal foil, paper and coconut oil. The resistors were from string, with burnt coconut husks or cinnamon bark providing the carbon. Wire stolen from Japanese beehives outside the compound and coated with baked-on coconut oil and flour provided the necessary insulated wire, while a pair of improvised chemical cells supplied the valve filament voltage. To remove some of the high-voltage 'hum', a choke coil was made from beehive wire wrapped around a small piece of fish plate, stolen from the airfield, and the filter condenser from an oiled sheet of newspaper, sandwiched between two pieces of foil and rolled together to form a tube 45 centimeters long.”¹⁵

What ingenuity and determination. The transmitter worked, but it was to be used “only to contact invading Allied forces, once the test was successfully completed, it was wrapped in a waterproof cape and buried.”¹⁶

Taken together, we now know there were at least three known clandestine tube receivers and one transmitter built in three POW camps in the Pacific theatre of WWII.

The story continues next month.

Notes

1. George Weller, *First to Nagasaki*, Crown Publishers, 2006
2. Weller, p. 136
3. Weller, p. 138
4. Weller, p.137
5. ibid

(Notes — Continued on page 6)



February Raffle Winners

- 1st Prize / Jim Thielemann / KI6KVW / *Signalink™* USB Radio Interface
 2nd Prize / Doug Teter / KG6LWE / MP1 Portable HF 7- 450 MHz Antenna
 3rd Prize / Doyle Kisler / KG6YUN / Arrow Yagi / 3EL VHF / 7EL UHF
 4th Prize / Jaime / DBJ-1 J Pole Antenna
 5th Prize / Tanya Rebarchik / KI6TAR / Kill-A-Watt / AC Electricity Usage Monitor
 6th Prize / Pat Sullivan / W6ABA / ARRL Repeater Directory 2012-2013
 7th Prize / Rob Krensky / KI6GCL / Bongo Ties

(Notes — Continued from page 5)

6. Army Publication, *US Army in WWII, The Technical Services, The Signal Corps: The Outcome*, pp 274-275
7. Weller, p.138
8. John A. Glusman, *Conduct Under Fire: Four American Doctors and Their Fight for Life as Prisoners of the Japanese, 1941-1945*, Viking, 2005
9. Glusman, p. 274
10. Glusman, pp. 274-275
11. Gavin Daws, *Prisoners of the Japanese: POWs of World War II in the Pacific*. New York: William Morrow, 1994; Jan K. Herman, *Battle Station Sick Bay: Navy Medicine in World War II*. Annapolis, Md: Naval Institute Press, 1997. ; Alfred A. Weinstein, *Barbed-Wire Surgeon*. New York, Mcmillan, 1948.; Paul D. Bunker, *Bunker's War:*

The World War II Diary of Col. Paul D. Bunker. Edited by Keith A. Barlow. Novato, Calif.:Presidio, 1996; Irvin E. Alexander, "Recollections of Bataan & After." Louis Morton Papers, Box 3, MHI.

12. For example, when I was researching for my article on the Enola Gay radios (See Aug/Sept, 2011, issues of the ER) I came across a number of obviously erroneous accounts of would-be B29 crew members who claimed to be on the Hiroshima or Nagasaki missions when in fact they were not.
13. Lynette Ramsey Silver, *Sandakan – A conspiracy of silence*, Gazelle Distribution, 2000, p. 87
14. *ibid*
15. Silver p. 102
16. *ibid*

Jan 2013 Board Meeting Minutes

The Board Meeting was held at the Palo Alto Red Cross building, commencing at 7:30 PM on the 16th of January, 2013. Attending were Kristen McIntyre K6WX (Pres), Marty Wayne W6NEV (VP), Rick Melrose K6RDM (Sec, Database), Ron Chester W6AZ (Treas) Rob Riley KI6INR (Dir), Darryl Presley KI6LDM (Dir), Byron Beck KG6UOB (Dir) and Larry Rebarchik N6DB (Dir). A quorum was present.

President's Report: Kristen K6WX reported that the Homebrew Night of the January 4th General Meeting was once again both interesting and entertaining and thanked those who displayed their projects. We have been getting very positive feedback on the whole from new members expanding enrollment. Kristen mentioned that we have the Winter Banquet coming up in two days on January 18th at Michael's at Shoreline with a presentation by Steve Kushman of the California Historical Radio Society located in the old KRE transmission site at the foot of Ashby Ave in Berkeley and an Elecraft KX3 transceiver as the first prize. She also expressed our appreciation to Halted for our new projection screen which they provided at a much more than reasonable price.

Secretary's Report: Rick K6RDM reports that the December Board meeting was cancelled due to holiday schedule conflicts. There were four new members, 20 renewals and 2 rejoining at the December 7th meeting and there were four new members and 17 renewals at the January 4th meeting.

Vice President's Report: Marty W6NEV reported on the speaker line up for upcoming meetings as well as some prospective club PAARATrips which were of considerable interest to the board and which will be announced when plans firm up. Then, given that PAARA once again surpassed itself on Field Day producing our 5th year of higher stats than each previous year. We were 9th in the nation, 3rd in Pacific Division, 7th in number of QSOs, and 1st in 4A

by far with 17,158 points and 5,332 QSOs. The Board discussed producing a celebratory t-shirt to commemorate the occasion.

Treasurer's Report: Ron W6AZ gave an overview report on the club's finances, which are in good shape, and on finishing his year end report.

Joel KD6W is still working on the project to find a suitable location for our activated D-Star repeater and, as mentioned previously, will welcome any comments or prospects from the membership.

The meeting was adjourned at 9:15 PM.

There were four new members at the December meeting:

| | | |
|-----------------|--------|---------------|
| Bob Mix | KF6ABC | Los Altos |
| Stuart Neubarth | WA6FSI | Mountain View |
| Jerry Consul | KI6HIP | Palo Alto |
| Clark Murphy | KE6KXO | Alviso |

Additionally, here were four new members at the January meeting:

| | | |
|----------------|---------|---------------|
| Melvin Cox | KK6BGW | Mountain View |
| Steven Wilson | KG6HJU | Fremont |
| Robert O'Neil | N5VD | Newark |
| Walter McVeigh | No call | Palo Alto |

Feb 2013 Board Meeting Minutes

The Board Meeting was held at the Palo Alto Red Cross building, commencing at 7:30 PM on the 20th of February, 2013. Attending were Kristen McIntyre K6WX (Pres), Marty Wayne W6NEV (VP), Rick Melrose K6RDM (Sec, Database), Rob Riley KI6INR (Dir), Darryl Presley KI6LDM (Dir), Byron Beck KG6UOB (Dir), Doug Teter KG6LWE (Field Day Coordinator), and Joel Wilhite KD6W (Technical Coordinator). A quorum was present.

President's Report: Kristen K6WX told us about her attendance at the Arizona State ARRL

(Continued from page 7)

Convention in Yuma, Arizona, which was also attended by 9AM Talk Net control, Pink K7ILA. Kristen reported that the presentation on the PAVE PAWS mission at Beale AFB by AF Capt. Stewart Smith and his Canadian partner at the February 1st General Meeting was of considerable interest and prompted a lively exchange of questions and answers regarding its relationship to our 432 MHz ham band. Kristen mentioned again that we are calling for articles on projects and experiences for inclusion in future issues of PAARAgaphs and inviting participation by the membership.

Secretary's Report: Rick K6RDM reports that there were five new members, 7 renewals and 2 rejoining at the February 1st meeting.

Vice President's Report: Marty W6NEV reported on the speaker line up for upcoming meetings as well as some prospective club PAARAtrips possibly including a visit to Beale AFB in Merced. The upcoming March 1st General Meeting will feature a presentation by Paul Ewing N6PSE on the Conway Reef Expedition. Marty has been working on a project to provide Club and Field Day T-Shirts for the membership. A motion was made and passed to approve the implementation as presented.

Treasurer's Report: Ron W6AZ was unable to attend due to prior commitments.

Doug Teter KG6LWE (Field Day Coordinator) reported that while there are projects to be completed, we won't need as many work parties for Field Day preparation this year as most of the antenna work was done last year and the elements were not disassembled for storage.

Kristen K6WX commented that we had one of our largest attendances in many years and that the Winter Banquet was well received and finished up in the black, with the KX3 having been won by Joanna K6YL. In addition, PAARA has been offered booth space at no charge for our club by Linda K6GRL at the Radio Fest coming up at the Moose Lodge in Monterey on March 23rd. The membership is also reminded that the

first ASVARO Flea Market of the year will commence on Saturday, March 9th, at De Anza College in Cupertino. Our club sponsored Flea Market this year will occur on May 11th.

The meeting was adjourned at 9:35 PM.

There were five new members at the February meeting:

| | | |
|------------------|---------|---------------|
| John Houghton | KK6BFL | Foster City |
| Kevin Lapp | WA6FJC | Redwood City |
| Michael Hursh | KJ6THA | Mountain View |
| Nancy Parchevsky | KK6CCJ | Mountain View |
| Joe McVeigh | No call | Santa Clara |

Badges, Old ones:

| | | |
|--------|-----------|----------------|
| K6FTF | Mark | San Jose |
| KJ6GBE | Sreendish | Redwood City |
| KG6GY | Art | San Jose |
| N6JCY | Joani | San Jose |
| KG6QKN | Francis | Palo Alto |
| KG6QKO | Kali | Palo Alto |
| KJ6SGT | Xiande | Campbell |
| KF6SRD | Chuck | Palo Alto |
| K6TSR | George | Portola Valley |
| K6VVK | Vincent | Palo Alto |
| KI6QWM | Scott | Palo Alto |
| K6JSH | Josh | Castro Valley |
| KI6JLS | Joanne | Palo Alto |
| K6WGY | Walt | Cupertino |

Badges, New ones:

| | | |
|--------|------------|---------------|
| KG6HJU | Steve | Fremont |
| KJ6SEE | Daniel | Mountain View |
| KJ6TWH | Konstantin | Mountain View |

PAARA March 1, 2013 Raffle Prizes

- 1st Yaesu FT-60R Dual Band Handheld 5W VHF/UHF
- 2nd Alpha Delta Two Position Coax Switch with Lightning Arrestor
- 3rd Two West Mountain COM Speakers
- 4th Two FRS Radios
- 5th ARRL Wire Antenna Classics Book
- 6th LF01 LED Lite Flare
- 7th ARRL Repeater Directory

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

Officers

| | | |
|----------------------|------------------------|--------------|
| President | Kristen McIntyre, K6WX | 510-703-4942 |
| | kristen@alum.mit.edu | |
| Vice President | Marty Wayne, W6NEV | 408-246-7531 |
| | w6nev@arrrl.net | |
| Secretary | Rick Melrose K6RDM | 408-341-9070 |
| | k6rdm@arrrl.net | |
| Treasurer | Ron Chester, W6AZ | 408-243 2221 |
| | ron@taxhelp.com | |

Directors

| | | |
|---------------------|------------------------|---------------------|
| Director ('13)..... | Byron Beck KG6UOB | 408-369-1913 |
| | kg6uob@arrrl.net | |
| Director ('14)..... | Rob Riley, KI6INR | 650 799-1607 (cell) |
| | ki6inr@arrrl.net | |
| Director ('14)..... | Larry Rebarchik N6DB | 650-465-8210 (cell) |
| | n6db@arrrl.net | |
| Director ('14)..... | Darryl Presley, KI6IDM | 650 255-2454 |
| | ki6idm@arrrl.net | |

Appointed Positions

| | | |
|-------------------------------------|------------------------|---------------------|
| Membership..... | Vic Black, AB6SO | 650-366 0636 |
| | ab6so@smrn.com | |
| Database | Rick Melrose K6RDM | 408-341-9070 |
| | k6rdm@arrrl.net | |
| Chaplain | <i>Position Vacant</i> | |
| Public Affairs | <i>Position Vacant</i> | |
| 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 | 408 396 4745 |
| | bob@rgktechsales.com | |
| Badge Coordinator | Doug Teter, KG6LWE | 650-367-6200 |
| | dteter@wcv.com | |
| HistorianPosition | <i>Position Vacant</i> | |
| Raffle Coordinator | Jim Rice, K6AK | 650-851-2274 |
| Ticket Master..... | Marty Wayne, W6NEV | 408-246-7531 |
| Field Day Coordinator | Doug Teter, KG6LWE | 650-367-6200 |
| ASVARO Rep..... | Rolf Klibo, N6NFI | 650-856-2748 |
| | n6nfi@arrrl.net | |
| Webmaster | John Miller K6MM | |
| | webaron@gmail.com | |
| Technical Coordinator | Joel Wilhite, KD6W | 650-325-8239 |
| | kd6w@arrrl.net | |
| QSL Manager | Rob Riley, KI6INR | 650 799-1607 (cell) |
| | ki6inr@arrrl.net | |
| Speaker Coordinator | Marty Wayne, W6NEV | 408-246-7531 |

PAARAgaphs Staff

| | | |
|-----------------------|------------------------|-----------------------|
| Editorial Board | | |
| | Bob Van Tuyl K6RWY | Kristen McIntyre k6wx |
| | Ron Chester W6AZ | Vic Black AB6SO |
| | Joel Wilhite, KD6W | |
| Editor | Bob Van Tuyl, K6RWY | 408 799-6463 |
| | rvt@swde.com | |
| Advertising..... | Ron Chester, W6AZ | 408-243-2221 |
| | ron@taxhelp.com | |
| Member Profiles | <i>Position Vacant</i> | |
| Technical Tips | Vic Black, AB6SO | 650-366 0636 |
| | ab6so@smrn.com | |
| Photographer..... | Bill Young, K6VWO | |
| | jdsinger@sbcglobal.net | |

Future PARRA Meeting Dates

Apr 5th, May 3rd, June 7th

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 Room H-6, Cubberley Community 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@ARRL.NET, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:30pm
 Contact: <http://www.fars.k6ya.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

SCCARRA

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/sccarra> 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 1286.20 (-12m) 100.0 ctcss
 223.96 (+1.6) 156.7 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://santaclaravalley.redcross.org> or Scott Hensley KB6UOO, (408) 967 7924
shensley@Novell.com

(Please send changes to PAARAgaphs editor)



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

Real Estate Needs Met; call Karl

KARL DRESDEN
 General License, KJ6GUK
 Cell Ph. 650-274-8155
 Email: karldresden@juno.com
 Full time Realtor since 1976
 DRE # 00525886

Terrace Associates, Inc.
 Full Service Real Estate
 926 Woodside Road
 Redwood City, Ca 94061
 Terrace Ph. 650-369-7331
 FAX 650-274-8155

Badges are ready for pickup.

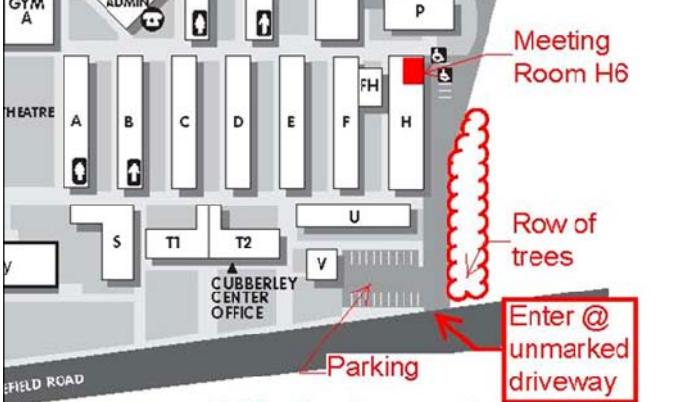
If you would like to order a badge, see
Doug Teter, KG6LWE.

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 | Open |
| 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.



Meeting Room H6

Row of trees

Enter @ unmarked driveway

Parking

Cubberley Community Center
 4000 Middlefield Road, Palo Alto, CA 94303
 650/329.2418
 650/856.8756 fax
 www.cityofpaloalto.org

**Meeting Location — Middlefield Road
 between San Antonio and Charleston in Palo
 Alto. 4000 Middlefield Road**

<http://www.foto.mail.ru/list/shkurkin>

Vladimir Vladimirovich
 SHKURKIN

Editing and Translation Services
 English-Russian-English

shkurkin@ix.netcom.com

**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 Room H-6, Cubberley Community Center.

Radio NET & Swap Session every Monday evening, at
 8:30pm, on the 145.230 –600 MHz repeater, PL 100Hz.


Membership in PAARA is \$20.00 per calendar year,
 which includes one subscription to PAARAgaphs
 \$6 for each additional family member (no newsletter).

Make payment to the
 Palo Alto Amateur Radio Association,
 P.O. Box 911, Menlo Park, CA 94026-0911

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

| | |
|--|---|
| Amateur Radio Technology Day | Ilse Beck, E. A. , KI6IBM Beck Business Services 441 N. Central Avenue, #9 Campbell, CA 95008 Enrolled Agent Income Tax Bookkeeping/Payroll Elder Care Consultations Billing and A/R Phone/FAX: 408-267-8234 Email: ilsebeck@jps.net |
| WILL RESUME WHEN A NEW VENUE IS DETERMINED. | |
| 8AM TO 6PM | |

W6AZ



Ron Chester
Santa Clara
(408) 243-2221
Ron@taxhelp.com

Tax Preparation & QuickBooks Consulting - Ham discount

Photo For Any Occasion
Jack Of All Trades, Master Of Some.
Freelance Photographer
Bill Young
PO Box 471
Mountain View, CA
94042
408-245-1161
jdsinger@sbcglobal.net

View Photos.
http://www.slide.com/r/PZHjUev0D-CcHE_Gt6m6rdKbPtUyz6m?previous_view=next&recommended_url&view=original

**This spot is available
for your advertisement.
Reasonable rates,
see below.**

PowerFlare®

PowerFlare® safety lights:
Ultra-rugged 360 degree LED beacon
for your emergency kit, car, home ...
Order on eBay or call 650-322-2476
(search for "PowerFlare")

Submit items to **PAARAgaphs** by the
3rd Wed to: rrvt@swde.com
Text: .doc, .rtf, or .txt
Photos: jpg, png or tiff

Subscription Problems? Contact Database
Manager: Rick Melrose K6RDM,
888 725-1895, k6rdm@arrl.net

PAARAgaphs Ad Rates

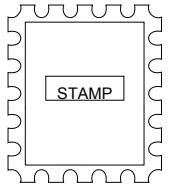
PAARAgaphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). **All ad rates listed are per issue.**

1. Not-for-profit ads by association members for ham-related items and wants. No cost for business card-size ads (additional space at \$2.50 per business card size per issue).
2. For Profit organizations and/or individuals: \$5-business card size, \$25-half page, \$50 full page or back cover per issue.

These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing arrangements with the association. The PAARAgaphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association.
All fees payable in advance by the year with "scanner-ready" copy or text-only ads. **Give payment and copy to Ron Chester, W6AZ**

PAARAgaphs — March 2013

Accept no substitutes. Produced and printed in California USA



Palo Alto Amateur Radio Association, Inc.
 PAARAgaphs Newsletter
 P.O. Box 911
 Menlo Park, California 94026

FIRST CLASS MAIL



ANHEIM, CA
 (Near Disneyland)
 5371 N. Central St., 92801
 (800) 554-6046
 Mark, W7YU, Mgr.
radio@hamradio.com

BIRBAK, CA
 1526 W. Memorial Blvd., 91916
 (800) 942-7788
 (877) 892-1748
 Eric, K6EJC, Mgr.
 So. from Hwy. 8 & Sierra Vista
hamradio@hamradio.com

OAKLAND, CA
 5270 Lawrence Exp., #102, 94085
 (510) 594-5757
 (877) 892-1745
 Mark, W7YU, Mgr.
 1880 W. 23rd Ave. ramp
radio@hamradio.com

SAN DIEGO, CA
 5375 Kearny Villa Rd., 92123
 (602) 592-4900
 (877) 892-1745
 Hwy. 153 & Carreron Mesa
sandiego@hamradio.com

SUNNYVALE, CA
 510 Lawrence Exp., #102, 94085
 (408) 736-9496
 (877) 892-1749
 Jon, K6WV, Mgr.
 So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE
 (Near Philadelphia)
 1001 E. 26th Ave., 19720
 (800) 554-6046
 (800) 544-4175
 Chuck, W1UC, Mgr.
 RT1314 Rd., So. I-295
marc@hamradio.com

PORTLAND, OR
 11705 S. W. Pacific Hwy.
 97223
 (503) 598-6556
 (800) 554-6046
 (800) 544-4175
 Tom, W7YU, Mgr.
 Hwy. 9 & 217
portland@hamradio.com

DENVER, CO
 8400 E. Hill Ave., #3, 80231
 (303) 746-7273
 (800) 444-9176
 Scott, W7YU, Mgr.
denver@hamradio.com

PHOENIX, AZ
 11613 N. 43rd Ave., 85029
 (602) 242-3616
 (800) 554-6046
 Carl, W7YU, Mgr.
phoenix@hamradio.com

ATLANTA, GA
 2204 Dunwoody, 30340
 (770) 252-7700
 (800) 444-7927
 Mark, K4UO, Mgr.
 Dunwoody, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBRIDGE, VA
 (Near Washington D.C.)
 1403 Dulles Arteria Dr., 22191
 (800) 444-4799
 Steve, W4SHG, Mgr.
woodbridge@hamradio.com

SALEM, NH
 224 N. Broadway, 00709
 (603) 898-2791
 (800) 444-8017
 radio@hamradio.com
 28th Mo. of Boston
salem@hamradio.com

12 STORE BUYING POWER



TS-2000 HF/VHF/UHF TOUR
 • 100W HF, 60W 2M • 50W 70CM
 • 100W 1.2 GHz motor DT-20 module
 • 15-pin D25 connector
 • Check W1UC, Mgr.
 RT1314 Rd., So. I-295
marc@hamradio.com
Call Now For Special Price!



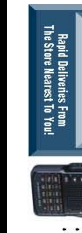
TH-F5A
 • Dual Channel Receiver
 • TX, AM, SSB
 • SW/20W/20/440 TX, FM
 • 435 Memos
 • Lithon Battery
Call For Low Price!



TM-D71DA 2M/440 Dualband
 • 50W 2M & 1W
 • Optional Voice synthesizer
 • 1000 memories • Dual receive
 • Advanced APRS features
 • Built-in TNC • S-Vol Command II+
 • GPS 100 Feet
 • Choice of Green/Amber LED backlight
Call Now For Special Introductory Price!



COAST TO COAST
 FREE SHIPPING
 UPS - Most items free S/H
 Royal Distributors From
 The Store nearest to You!



YAESU
 60W 4425XV40 Vx-300
 2m/440 w/ built-in GPS (Vx-300 only)
 • SW/1W/22W Vx-300 (only)
 • waterproof/splatterproof
 • 31/30 memos
 • GPS/APRS operation optional
 • Lithon recharge battery
 • w/LED status
Call For Low Price!

FT-897D
 Use compact HF, VHF, UHF
 • 100W HF/50W 2M, 20W UHF
 • DSP included • 32 color display
 • 200 memos • assignable on hand
Call For Low Price!

FT-2000 HF + 60W 10V
 • 100W w/ auto tuner
 • built-in power supply
 • DSP filter • noise immunity recorder
 • 1000 memos • assignable on hand
 • 31/30 memos
Call Now For Low Pricing!

OAKLAND, CA
 2210 Livingston St., 94606
 (510) 594-5757
 (877) 892-1745
 Mark, W7YU, Mgr.
 1-880 at 23rd Ave. ramp
oakland@hamradio.com

SUNNYVALE, CA
 510 Lawrence Exp. #102, 94085
 (408) 736-9496
 (877) 892-1749
 Jon, K6WV, Mgr.
 So. from Hwy. 101
sunnyvale@hamradio.com



RRG-1258 MM1-Set
 The set of three parts allows remote control of your program radio station and monitor in a user-friendly and safe manner from a distance.
 Remotely gives you control of the radio coupled with crystal clear TX & RX audio and sending QW with your own paddle!
 Works with all Computer-compatible radios from: **Aliso - Everset - ICOM - Kenwood - Yaesu**
For remotely controllable hand packs for 2X remote/rig:
 TS-4000CAT, TS-2000, RC-2000, HTD1, IC-7000plus, IC-706 series, DV-S90T, IC-2000H, IC-2950



DL-67T 2m/440/1.2 Transceiver
 • Full duplex carry two bands
 • integrated DTMF
 • Hi-capacity Lithon battery
 • 1000 Memos
Low Pricing!



DR-135TP 2M mobile
 • 50 Watt out • Alpha numeric display
 • 100 memos • Built-in TNC 7000 & 9300 Band
 • Remote Paddle GPS in • Rear B5+ port
 • On-Screen Encoder/Decoder built in
Low Pricing!

Available exclusively from all HRO Locations: