

PAARAgraphs



The Official Newsletter of the

Palo Alto Amateur Radio Association, Inc.

Celebrating 80 years as an *active* amateur radio club—Since 1937

<http://www.paara.org/>



Summits on the Air

Clayton Nall, NF1R:

Clay will be presenting an introduction to the Summits on the Air (SOTA), an international program that encourages ham radio operators to operate from, and contact stations on, more than 8,000 qualifying mountain summits around the world. He will share lessons learned from his experiences activating 43 unique summits in the Bay Area and beyond, and will provide a demonstration of the backpack ham station that he uses on his expeditions.

Bio:

Clayton has been an assistant professor in the Stanford political science department since 2011. While finishing his Ph.D. at Harvard, he was the station manager, Field Day organizer, and a regular contest operator at W1AF, the Harvard Wireless Club's station located in Harvard Square. Licensed since 1994, his main interests in ham radio are CW contests, DXing, and very low power (QRP) operation. Since arriving at Stanford, he's been a regular contributor to the club's ham radio contest efforts.

Here is a Youtube sample of operating from a local mountain top:

<https://www.youtube.com/watch?v=UeDwLzCJYp0>

Upcoming Events

Aug 4
Sept 1
Oct 6

PAARA General Meeting, 7:00 PM
Cubberly Community Center, Room
H-6, 400 Middlefield Rd, Palo Alto

Aug 16
Sept 20
Oct 18

Board Meeting, 7:00 PM
Everyone welcome!
Location: Marty, W6NEV, QTH



Sept. 8th

PAARA banquet, Social hour
6pm, dinner at 7pm.

President's Corner

August 2017

Summer is quiet for things like contests, but there is still some good traffic on the HF bands, including some fun listening opportunities. Au-



gust is also PAARA's sponsorship month for the Flea Market. And you also have a chance to join me in the Land of Enchantment.

July and August are usually somewhat quiet months for ham radio, but there are still ways to have lots of fun on the HF and VHF bands. For HF, we recently had the Maritime Historical Radio Society's Night of Nights. Did you listen? It took place on July 12th, local time. It's a great opportunity to work on your CW copying skills. I listened to various messages that were transmitted, copying KPH on 4.2 MHz, 6.4 MHz, 8.6 MHz, 12.8 MHz, and 17 MHz. At my station, they were strongest on 17 MHz, which was a bit surprising to me. In years past the strong-

(President — Continued on page 7)

PAARA AND FIELD DAY

A short history

Marty Wayne, W6NEV

Have you ever noticed that when some new thing is developed or invented, it isn't too long before a competition develops to see who's the best, the fastest, the cheapest, etc.? When man started riding horses; horse racing was soon developed, when automobiles were invented; car racing became the big thing, when radio was invented and Marconi made the first transoceanic contact; it wasn't long before radio experimenters were trying to make the longest distance contact. Well, with amateur radio, we have the same situation.

A few years after that radio experimenters, soon to be known as amateur radio operators or HAMS, evolved a contest to see who could make the largest number of contacts in a defined period of time. This came to be called field day. Yes, I know Field Day is considered an operating event to show how amateurs can operate under emergency conditions, but it is still a contest!

Field Day was first introduced by the ARRL in 1933. At the first Field Day, there were 14 participating clubs and the high score was 1470 points. Scoring then was different from now and they were calculated using the number of contacts, QSOs, and foreign contacts to develop that score. Club participation and scoring has continued to rise through the years. With the exception of the WW II years, 1942 through 1947, Field Day has been held every year since 1933. In 1936, because Field Day was so popular, there was a second Field Day held on August 22nd and 23rd.

Field Day for PAARA is a big deal. Our club works very hard to put on a Field Day event. Arguably, we set up the largest Field Day effort on the west coast. Every year in preparing for the event, we assemble, erect, test, and tune the antennas we'll use on Field Day to assure all are functioning correctly. This is no small effort but with the help of several ardent PAARA Field Day supporters, the task is always completed, usually in two days. Preparing the antennas, setting up the field day site, getting infrastructure in place, organizing generator power, operating trucks, and food supplies

takes a lot of effort and people to accomplish. In the end though, it creates a really fine showing for us.

PAARA has been involved in 52 of the 80 Field Days, or just over 64%. Over the years, we have operated in Categories 2A through 4A and 7A. The first PAARA log recorded in QST by the ARRL was in 1950. That year we made 245 contacts with a score of 2,205 points. We ranked #42 in 4A. The most recent log, which will soon be submitted to the ARRL for 2017 Field Day, shows we made 5,939 contacts with a score of 13,908 points. The results for 2017 Field Day won't be published until the November issue of QST so we won't know our ranking until then.

Our highest Field Day score ever was in 2013 when we had 4,308 contacts and scored 17,158 points. We placed 9th in 4A. The next highest was in 1983 with 5,773 contacts and 16,127 points where we were 1st in 4A. Our Category ranking ranged from 1st in 1970 and 1979 through 1983, to 201st (1967). There were years within the Field Day period where there are no listings for PAARA participation. Notably, PAARA wasn't formed until 1937 so the first Field Day years, we weren't even around. There are reasons we weren't included in Field Day. They include we didn't participate, we didn't submit a log, a log we submitted wasn't accepted, or I just missed the listing.

We have done very well over the years and continue to do so thanks to our fearless Field Day Coordinator, Doug Teter, KG6LWE, and the rest of the Field Day crew. There will be more Field Days to come with the usual PAARA efforts.

Because of the complexity of tabulating and reporting scores by hand, the Field Day results published in QST in early years was by score only, then later by category and score. In 2002, electronic tabulating was introduced to Field Day scoring and the listing on the ARRL website could then be researched by Overall Score, QSOs, Category, Sections, and Participants. Because of these tabulating differences, I have chosen to focus on listings using Category as a basis. I have, however, included a table based on overall scores from 2002 thru 2016 to show our accomplishments.

(Field Day — Continued on page 3)

(Field Day — Continued from page 2)

You will also notice that some rankings and station call signs aren't listed. These were taken from documents provided by the Field Day team that didn't record those statistics.

PAARA FIELD DAY CATEGORY RANKING

YEAR	RANK	QSOs	PTS	CLASS	CALL
2017	TBD	5,939	13,908	4A	W6ARA
2016	15	3,896	13,352	4A	W6ARA
2015	11	4,648	15,186	4A	W6ARA
2014	11	4,648	15,716	4A	W6ARA
2013	17	4,308	14,172	4A	W6ARA
2012	9	5,332	17,158	4A	W6ARA
2011	20	4,356	14,066	4A	W6ARA
2010	16	4,114	13,570	4A	W6ARA
2009	3	3,480	11,326	4A	W6ARA
2008	5	3,276	10,738	4A	W6ARA
2007	6	3,207	10,774	3A	W6ARA
2006	9	2,197	8,644	3A	W6ARA
2005	149	1,939	6,378	4A	W6OTX
2004	56	1,764	6,004	2A	W6OTX
2003	11	2,617	8,740	2A	W6OTX
2002	22	2,355	7,994	2A	W6OTX
2001					
2000	30	1,985	6,584	2A	W6OTX
1999	105	1,265	4,054	2A	K6YT
1998	105	1,545	4,256	2A	W6OTX
1997		1,899	6,192	2A	
1996		2,080	6,578	2A	
1995	58	1,544	5,152	2A	W6OTX
1994	116	1,481	4,058	2A	W6OTX
1993		1,633	5,530	2A	
1992		1,775	5,906	3A	
1991		1,526	5,226	3A	
1990		1,855	5,770	3A	
1989		1,859	5,836	3A	

AR	RANK	QSOs	PTS	CLASS	CALL
1988	49	1,391		3A	W6OTX
1987	73	1,451	3,830	3A	W6OTX
1986					
1985	22	1,965	5,814	3A	W6OTX
1984					
1983	1	5,773	16,127	4A	K6YT
1982	1	4,897	13,784	4A	K6YT
1981	1	4,889	14,596	4A	K6YT
1980	1	4,863	14,472	4A	K6YT
1979	1	4,284	12,582	4A	K6YT/6
1978	10	2,352	7,316	3A	K6YT/6
1977	34	1,690	5,130	3A	K6YT/6
1976	33	1,358	4,318	3A	K6YT/6
1975					
1974	19	1,339	3,128	4A	W6OTX/6
1973	25	1,483	3,366	3A	W6OTX/6
1972	53	927	2,264	3A	W6OTX/6
1971	69	785	1,980	3A	W6OTX/6
1970	1	172	2,332	7D	W6OTX
1969					
1968	144	286	2,980	2A	W6OTX/6
1967	201	288	1,943	3A	W6OTX/6
1966	42	726	5,174	4A	W6OTX/6
1965	16	726	7,080	4A	W6OTX/6
1964	23	245	2,205	4A	W6OTX/6
1963					
1962					
1961	39	627	3,984	5A	W6OTX/6
1960	17	530	3,267	7A	W6ABZ/6
1959					

(Continued on page 4)

(Field Day — Continued from page 3)

YEAR	RANK	QSOs	PTS	CLASS	CALL
1958					
1957					
1956					
1955			10,233	7A	
1954					
1953					
1952					
1951					
1950	42	245	2,205	4A	W6OTX/6

**PAARA FIELD DAY OVERALL RANKING
(2002 THRU 2016)**

YEAR	RANK	QSOs	PTS	CLASS	CALL
2017	TBD	5,939	13,908	4A	W6ARA
2016	15	3,896	13,352	4A	W6ARA
2015	11	4,648	15,186	4A	W6ARA
2014	11	4,648	15,716	4A	W6ARA
2013	17	4,308	14,172	4A	W6ARA
2012	9	5,332	17,158	4A	W6ARA
2011	20	4,356	14,066	4A	W6ARA
2010	16	4,114	13,570	4A	W6ARA
2009	32	3,480	11,326	4A	W6ARA
2008	33	3,276	10,738	4A	W6ARA
2007	34	3,207	10,774	3A	W6ARA
2006	70	2,197	8,644	3A	W6ARA
2005	149	1,939	6,378	4A	W6OTX
2004	182	1,764	6,004	2A	W6OTX
2003	50	2,617	8,740	2A	W6OTX
2002	95	2,355	7,994	2A	W6OTX

PAARA_{in} DaysGoneBy - 1971

Gregory Cook , KE7DO

Thanks to the careful and persistent efforts of Andy Korsak, KR6DD, many past issues of PAARAgaphs were saved from being lost to the historical record. He kept issues all the way back to the late 1960s.

While recently scanning all the available issues from 1971 through 2005 I made occasional notes of interesting items as I fed the yellowed pages into the scanner.

Each month I plan to choose a few interesting items from a year's worth of those ancient artifacts for your entertainment and edification. As a fairly new member *everything* is of historical interest—I hope you long-term members will also enjoy this amble down memory lane.

Have you noticed that you never hear the term “solid state” anymore? Today there's not much use for it, is there? The thing that struck me about the 1971 PAARAgaphs was the contrast between then and now—technology that we take for granted today was still pretty new back then.

There was a series of articles about an on-going project conducted by a group of club members to develop a solid state 2-meter transceiver. It is interesting to read about their challenges and successes.

An article in the June issue lamented the increased problem of TV interference caused by the proliferation of transistorized equipment.

Finally, the November issue announced the presentation for the next club meeting: “The Design and Use of Solid State Power Supplies.”

Why not read about the fascinating and historic days of PAARA for yourself at <http://paara.org/pages/newsletter.html> ?

July 19, 2017 Board Meeting Minutes

The meeting was held at the Round Table Pizza Parlor in Menlo Park, commencing at 7:19 PM on July 19, 2017. In attendance were Kristen McIntyre, K6WX (Pres), Marty Wayne, W6NEV (VP), Jim Thielemann, K6SV (Secretary/Membership), Ron Chester, W6AZ (Treasurer), Darryl Presley, KI6LDM (Dir), Walter Gyger K6WGY(Dir); and non-board member Gerry Tucker, N6NV (Property Manager), A quorum was present.

Kristen, (K6WX), started a discussion on recruiting volunteers or the lack thereof. There are a number of areas where the board is seeking volunteers to assist in club activities. As generally asking for volunteers at meetings and in PAARAgaphs doesn't seem effective, she en-

courages board members to actively and personally encourage members to assist in the many areas in need of volunteers.

Kristen mentioned her reserve of stories has improved a little but is still very thin. Please, if you've committed to a story but not submitted it (there are several people out there fitting this category) put pen to paper or fingers on the keyboard and let your creative juices flow! Do you have any projects, Field Day experiences, technical articles, hints n kinks, DX contacts, or experiences setting up your station or antenna, on the air experiences that might be of interest? If you have not previously drafted that story or have a new story, now is the time to get a byline of your own in PAARAgaphs and get that story submitted to Kristen for publication. "Remember

(Minutes — Continued on page 6)

PAARA 80th Anniversary Banquet

Celebrate the 80th Anniversary of the Palo Alto Amateur Radio Association. The banquet will be held Friday, September 8, 2017 at Michaels at Shoreline (address below). Festivities begin at 6 PM with a no-host bar, and continue with dinner being served at 7. The banquet is open to anyone who wishes to attend. **Reservations are required.** Prices include desert and coffee.

A brief history of PAARA will be presented using a continuous slide presentation along with a short talk. Take a stab at winning one of several raffle prizes.

Meal Choices are:

- Broiled Salmon, Lemon Beurre Sauce..... 50
- London Broil with Mushroom Sauce 48
- Breast of Chicken in a Herb Butter Sauce 42
- Grilled Vegetable Brochette and Wild Rice..... 39

Desert is Ice Cream Parfait

The costs are per person. The last day to reserve **on-line** is **September 1**. Last day to reserve **by mail** is **August 28**.

Reservations can be made on line at www.paara.org, by mail to Marty Wayne (address below), or in person at a PAARA meeting.

We're looking forward to seeing you at the banquet!

Addresses:

Michaels at Shoreline
2960 N Shoreline Blvd
Mountain View, CA 94043

Marty Wayne
1039 Bryant Way
Sunnyvale CA 94087

(Minutes — Continued from page 5)

it is 'home grown' stories that make PAAR-Agraphs great", she said.

Vice President's Report: Marty, W6NEV, reported that the August speaker will be Clayton Nall, NF1R, who will present an introduction to Summits on the Air (SOTA). He also reported that he needs speakers for October and November. If you know of a potential speaker, please let Marty or a board member know.

Secretary's report: Jim, K6SV, reported that 4 new members joined in July, bringing the total membership to 190 members. He also reported that the ARRL Field Day web submission has been completed. He found 6 more VHF/UHF contacts in the log that hadn't been accounted for bringing this year's score to 13,920. The board voted and approved the cost to print 2 copies of the submission document, one of which is sent to the ARRL.

Treasurer's Report: Ron, W6AZ, advised the board that proceeds from last month were on par for this time of year. Ron also mentioned receiving cash from Gerry, N6NV, from sales at the Electronics Flea Market, June, \$310 and July, \$335. This cash is from the sale of "stuff" from his/PAARA's "collection". The board congratulated Gerry for his efforts. Ron also mentioned that it's been Gerry's EFM sales that have been the biggest reason PAARA has remained solvent with a strong Balance Sheet over the last many years

Under Old Business,

As you recall, on February 6th, the PAARA board sent a letter to the ASVARO board requesting they call a general meeting of all participating clubs. A meeting with the ASVARO board and other clubs was held on May 6, 2017. Action items were documented, however, to date there still doesn't seem to be any action on any of the items discussed at the meeting.

Darryl, KI6LDM, updated the board on his data mining for Bay Area hams who have either renewed or received their 1st licenses. Again, this month, there were 46 new hams living in the area of interest. Around 40 hams continue to be the number of new hams for most months. The

board is still looking for a champion for this outreach effort who can take Darryl's information and get the cards mailed. Please contact a board member if you're interested.

The board had a short discussion on the upcoming PAARA banquet on September 8th. The board agreed that the information needs to get on the PAARA web site along with setting the site up for purchasing tickets via PayPal. Marty, W6NEV, is putting the final touches on the presentation on the 80 years of PAARA.

Kristen reminded the board that August 12th is PAARA's month to sponsor the Flea Market. She's still looking for volunteers for the event. She also reminded us that she'll be at the Duke City Hamfest thus not able to attend. Some PAARA members have volunteered to cover some of the tasks. She emailed others to find out if they can again assist. Things are starting to come together but there's still work to be done and volunteers needed to fill some of the spots. Please contact Kristen or a board member if you can help out.

Marty, W6NEV, updated the board on the status of the preparation for the Pacificon W1AW/6 special event station. A few PAARA members have stepped up to assist but there is still plenty of room for more help. Rick, N6DQ, and Joanna, K6YL, advised Marty that they will provide the radios and amplifiers for the event, THANKS Rick and Joanna! Heil will once again provide headphones, foot and hand switches. Please let Marty or a board member know if you wish to help setup (on Friday), watch the station during Pacificon or tear the station down (on Sunday).

The board was reminded that Marty, W6NEV, is still looking for someone interested in assisting him with running the event station at Pacificon and with taking care of the coffee at meetings. Please contact Marty or any board member if you can assist in planning and during Pacificon or take over the coffee at meetings. Remember after September, if no one steps up to take over the coffee & cookies at meetings, they will stop being part of a meeting.

There are several other items on the agenda

(Minutes — Continued on page 8)

(President — Continued from page 1)

est copy has been near the 40m band, between 6 and 8 megahertz. If you did copy them, you can send a reception report to MHRs (info at radiomarine.org) and get a card from them. If you worked them, you can get a real QSL card. Don't forget that there will be a special Eclipse QSO Party on August 21st to celebrate and recognize the first total solar eclipse on American soil since 1991. Listen for the many stations, but in particular for W9E from southern Illinois. They will be on the air from the 17th through the 21st. The HF bands have been up and down, but there's always someone out there calling CQ. Give them a shout and see what's out there. I got back on PSK31 for the first time in a while, and had fun making a few

QSOs. I also made an LX contact with PAARA member Matt, W5MMW, on 10m PSK31 to give him my 10-10 number. We then switched to Feld Hell and I had my very first QSO via that mode! That was a real blast. Since I use VOX for digital modes, I had to hold the transmitter on manually while I was sending (do you know why?), and somehow that made it that much more adventurous. I hope to be welcoming Matt into Ten-Ten International very soon. I've heard reports of amazing summer E skip on the VHF bands. Give 6m a spin and you might just get very lucky.

It's that time of the year again - the PAARA sponsored ASVARO Electronics Flea Market. The thing that's unique this year is that I won't be there. Unfortunately it overlaps with my now annual trip to New Mexico. So, I'll be doing everything by remote control. I've contacted a number of you already for help with the Flea Market, and you'll be hearing more from me soon. We still have some positions that need to be shored up, so if you want to volunteer, please let me know. In particular, we need a few more people for the early morning setup, some to take over the gate later in the morning, and some volunteers for tear down and policing the parking lot after the market has officially concluded. I'd really love to have you help out with these or other tasks that are needed to make the Market a success. Please contact me if there's any way you can help out. We'll put you right to work.

As I mentioned, I'm headed to New Mexico with Christopher, KG6SVI. We'll be at the Duke City Hamfest in Albuquerque, NM. They are at a new venue this year, the Sid Cutter Pilots' Pavilion at Albuquerque's renowned Balloon Fiesta Park, site of the city's annual international hot-air balloon festival. It's a great hamfest, as PAARA member Greg, KE7DO, can attest. He was there last year with me. There is a raffle, banquet, high altitude balloon launch, lots of great talks, and great fun with other amateur operators. I should be speaking on Saturday. And then we'll spend some time in Santa Fe, one of my favorite places.

Don't forget that the PAARA 80th Anniversary Banquet is happening on September 8th. You can sign up right now on our website at paara.org. CU IN DUKE CITY DE K6WX

August Raffle Prizes

**1st Yaesu FT25R/E —
VHF 2 Meter
Mono Band FM
Handheld Transceiver**



2nd Arrow 2m Yagi



**3rd CS-201A Daiwa
Coax Switch**



4th Battery Tender Jr.

(5th thru 8th prizes will be a surprise).



July Raffle Winners

Left to Right, Front to Back

3rd Kristen K6WX, 1st Alexia KM6LGG

7th Fred KM6ETS, 2nd Darryl KI6LDM, 6th Herb WY6G

4th Cathy for Joel KD6W, 9th Wilco AG6DK, 5th Matt W5MMW, 8th Joe WB6JOE, Raffle Chair Jim K6AK

(Minutes — Continued from page 6)

that haven't been worked on very much or could wait until the next meeting, thus at this point there is no new news on them.

Under New Business:

The board received information of a KPAO event at the Palo Alto Municipal Airport that Hams are asked to participate in. Marty, W6NEV, is reaching out to the organizers to see what they are looking for. The largest issue for PAARA is the KPAO event takes place on September 10th, the day after the banquet.

Ron, W6AZ, brought up the idea of recording presentations at PAARA meetings and making them available on the web. There was a short discussion on the topic of just capturing the audio or making a video of the presentation. Jim, K6SV, indicated capturing and posting audio

recordings will be much less work and take up far less server space. No conclusion was reached on this topic. Please let a board member know if you have interest in listening to talks again or to listening/watching them should you not be able to attend or if you'd be interested in helping with the making and archiving of recordings.

The Board meeting was adjourned at 9:05PM.

Jim Thielemann
 Secretary/membership
 K6SV

Please welcome new members:

Celeste Kantz	AI6XF
Kelly Thompson	KM6LHC
John Carlsen	AI6SZ
Stephen Andrews	Unlicensed

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
	mcwayne2@comcast.net	
Secretary	Jim Thielemann, k6sv	408-839-6815
	thielem@pacbell.net	
Treasurer	Ron Chester, w6AZ	408-243 2221
	ron@taxhelp.com	

Directors

Director ('17-'18).....	Joel Wilhite, KD6W	408-839-5948
	kd6w@arrl.net	
Director ('16-'17).....	Walt Gyger, W6WGY	408-921-5901
	walt@tradewindsaviation.com	
Director ('17)	Larry Rebarchik N6DB	650 465-8210
	n6db@arrl.net	
Director ('17)	Darryl Presley, K16LDM	650 255-2454
	k16ldm@arrl.net	

Appointed Positions

Membership	Vic Black, AB6SO	650-366 0636
	ab6so@smrn.com	
Database	Jim Thielemann, k6sv	408-839-6815
	thielem@pacbell.net	
Chaplain	Rick Melrose k6rdm	408-341-9070
	K6RDM@yahoo.com	
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, K6LWE	650-367-6200
	dteter@wawi.com	
Historian Position	<i>Position Vacant</i>	
Raffle Coordinator	Jim Rice, K6AK	650-851-2274
Field Day Coordinator ...	Doug Teter, K6LWE	650-367-6200
ASVARO Rep.....	Clark Martin, K6ISP	
	kk6isp@comcast.net	
Webmaster.....	John Miller K6MM	
	webaron@gmail.com	
Technical Coordinator ...	Joel Wilhite, KD6W	408-839-5948
	kd6w@arrl.net	
QSL Manager.....	Marty Wayne, W6NEV	408-246-7531
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
	rrvt@swde.com	
Back Up Editor	Jim Thielemann, k6sv	408-839-6815
	thielem@pacbell.net	
Advertising	Walt Gyger, W6WGY	408-921-5901
	walt@tradewindsaviation.com	
Member Profiles	Diana Lloyd, K6YGM	650-988-8882
	dianalloyd76@gmail.com	
Technical Tips	Vic Black, AB6SO	650-366 0636
	ab6so@smrn.com	
Photographer	<i>Position Vacant</i>	

VE Exams

Redwood City Main Library, Community Conference Room, 4th Saturday 10:30 am each month and De Anza Park, Sunnyvale, 2nd Saturday 10:30 am each month except November and December. See website for details and exceptions: <http://amateur-radio.org> or Contact 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

50 MHz & Up Group

Meets 1st Thursday each month at 7pm in the Texas Instruments Building E conference room in Santa Clara.
 Contact: <http://50MhzandUp.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, Belmont EOC, Belmont City Hall, One Twin Pines Lane, Belmont CA 94002. 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

WVVARA — 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 2nd Wednesday of every month except July, August and December.
 Contact: <http://wvara.org>, Bill Ashby N6FFC, 408-267-3118, president@wvara.org

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

Your grandfather told your father and your father told you. If he had invested his money in real estate he would be a rich man today — what will you tell your children?

Whether to invest or reap the rewards of having invested in Real Estate, Call **KARL DRESDEN**, KJ6GUK, full time Realtor since 1976 — BRE#00525686

Terrace Associates, Inc., 777 Woodside Rd., Suite B, Redwood City, CA 94061; Office Ph: 650-369-7331,
 Fax Ph: 650-369-7339,

KARL Cell Ph: 650-274-8155 General License KJ6GUK
Email: KARLDRESDEN@juno.com

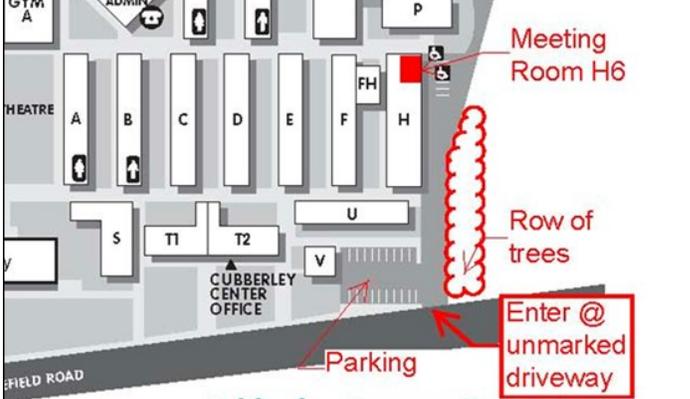
Badges are ready for pickup.

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	Joel KD6W
2 nd	Doug - KG6LWE
3 rd	Jack - W1VSL
4 th	Rob - KC6TYD
5 th	Rob - KC6TYD

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.



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

Legend
 Disabled Parking
 Public Pay Telephone

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 \$25.00 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.

This space Available

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




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

Tax Preparation & QuickBooks Consulting - Ham discount



Photo For Any Occasion
WBY Photography
 Jack Of All Trades, Master Of Some.
Bill Young
 408-245-1161 or
 408-475-6191
 I come to you photographer.
 wbyphotography@me.com
 www.photoforanyoccasion.net

PAARA DMR Repeater Frequencies	
144 – 144.9625 up 2.5 MHz	DMR—NOR CAL Brandmeister Network
440 – 444.475 up 5 MHz	DMR
1.2G – 1284.15 down	D-Star Voice
1.2G – 1249.15 half duplex	D-Star Data



PowerFlare® safety lights:
 Ultra-rugged 360 degree LED beacon
 for your emergency kit, car, home ...
Order on eBay (search for "PowerFlare")
 or email sales@powerflare.com

Silicone
RESCUE TAPE

**NO ADHESIVE!
 NO STICKY
 RESIDUE!** **8,000 V 500° F**
 ELEC. INSULATION HEAT RESISTANCE

The highest quality coax sealing tape on the market!

ENTER YOUR SPECIAL COUPON CODE TO GET THE PAARA DISCOUNT
 Order online at www.rescuetape.com - (702) 953-0968

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: Jim Thielemann, K6SV,
 408-839-6815, thielem@pacbell.net

PAARAgaphs Ad Rates

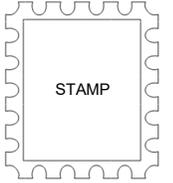
PAARAgaphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). **All ad rates listed are per issue.**

- 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).
- 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 — August 2017

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

HAM RADIO OUTLET

MULTI-STORE BUYING POWER!

ICOM



IC-7600
All Mode Transceiver



IC-7200
HF Transceiver



IC-7100
All Mode Transceiver



ID-5100A Deluxe
VHF/UHF Dual Band Digital Transceiver



ID-51A Plus
VHF/UHF Dual Band Transceiver

KENWOOD



TS-590S6
HF/50MHz Transceiver



TM-D7106
2M/440 Dualband



TM-V71A
2M/440 Dualband



TM-281A
2M Mobile



TH-D74A
2M/220/440 HT

YAESU
The Radio



FT-991A
HF/VHF/UHF Transceiver



FDX1200
100W HF + 6W Transceiver



FT-450D
1A100W HF + 6W Transceiver



FTM-400XHD
2M/440 Mobile



FT-60R
2M/440 5W HT



- RETAIL LOCATIONS - Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE - Toll-free phone hours 8:30AM - 5:30PM
- ONLINE - WWW.HAMRADIO.COM
- MAIL - All store locations

HRO is family owned and operated by active hams!

AMHERST, CA (800) 834-8046
 BURBANK, CA (877) 882-1748
 SAN DIEGO, CA (877) 882-1748

OKLAHOMA (877) 882-1748
 PORTLAND, OR (800) 765-4287
 DENVER, CO (800) 444-9476

PHOENIX, AZ (800) 595-1588
 ATLANTA, GA (800) 444-1927

MILWAUKEE, WI (800) 558-0411
 NEW CASTLE, DE (800) 644-4478

WOODBRIDGE, VA (800) 444-4789
 SALEM, NH (800) 444-0047

PLANO, TX (877) 458-9130
 ONLINE STORE WWW.HAMRADIO.COM

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. Call will be routed to the nearest store. All HRO 800-line calls assist you. If the first line you call is busy, you may call another AZ, CA, CO, GA, TX, VA residents add sales tax. Prices, specifications and descriptions subject to change without notice.