

# PAARAgraphs



The Official Newsletter of the

**Palo Alto Amateur Radio Association, Inc.**  
Celebrating 81 years as an *active* amateur radio club—*Since 1937*

. The speaker at the August 3rd meeting is:

## Joe Pistritto ~ N3CKF

This talk will discuss the deployment process for hams to Puerto Rico with the ARRL and American Red Cross in the aftermath of Hurricane Maria with some discussion of the environment, the process, what we did in country and what we could do better next time.

Joe Pistritto was originally licensed as N3CKF in 1983 while living in Maryland. He has lived in California since 1990 and received an Extra Class license in 2007. He has been a regular participant in Field Day and California QSO Party for the last 10 years (mostly operating CQP as N6A and FD as WA6TOW and now K6ARC) After 39 years of work in the IT industry most recently at Google as an SRE Director. Joe retired from full-time work in May 2017. He is still active as a volunteer including non-profit and volunteer work with American Red Cross, the Pacific Battleship Center (USS Iowa) and Sierra Baptist Church of Pioneer, California. Personal hobbies include Astronomy, Amateur Radio, Firearms, Space Development and Off-roading.

## Upcoming Events

August 3 Sept. 7 October 5	PAARA General Meeting, 7:00 PM Cubberly Community Center, Room H-6, 4000 Middlefield Rd, Palo Alto
August 15 Sept. 19 October 17	Board Meeting, 7:00 PM Everyone welcome! Location: Marty, W6NEV, QTH



ket soon too, so I need your help.

My first experience with the highest level of ARRL leadership has been really fascinating. Business transacted by the board is confidential until such time as ARRL releases that information, but perhaps I can give you some perspective on the experience. We met at a hotel near Bradley International Airport (KBDL). Things opened with a dinner on Thursday and some early business. Sadly I missed that because of my late arrival at about 9:50pm at the hotel. It wasn't too late for a trip to the bar, though, With an adult beverage in hand, I got to know some of the fellow board members, and got a complete brain dump from one Vice Director. It was very enlightening. I also met a fellow pilot, Jeff, KORM.

The actual board meeting started at 9am on Friday. I was very low on sleep, but things were so interesting that I found myself not feeling tired at all. Some facetiously describe this as sausage making, but I felt honored by the trust that had been placed in me as I watched decisions being made and business transacted by the largest Amateur Radio membership organization in the world. While there were certainly differing opinions at times about what should be done, I was struck by how much these people all cared about our avocation and how hard they were working to

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## President's Corner

August 2018

Greetings from the air on the way back from Windsor, CT. I'm returning from my first semiannual ARRL Board meeting. I've personally been giving FT8 a try, and I'd like to tell you about that experience. PAARA will be sponsoring the Flea Mar-



## PAARA<sub>in</sub> DaysGoneBy - 1974

From the Stranger than Science Department: the January issue announces that the talk at the next meeting will be on the ultrasonic camera that “will eventually replace X-rays”...yeah, sure it will.

I have no doubt you have wondered about the Clapp-Eastman Kickback Preventer? Of course you have. I don't know if this has anything to do with radio but the description in the March Paara Graphs sounds like something that would be featured on Buck Rogers. And, it has a link (c. 1974) to the previous issue!

The May issue announced that the next month's speaker will be Lambert Dolphin from the SRI Radio Physics Department who will talk about “a spark-gap sounder system.” It turns out that Lambert is also the co-author of “Connecting the Dots: A Handbook of Bible Prophecy” with Ron Graff who just happens to be my second cousin. Small world, huh?

The April issue mentions that Greenwich Mean Time is now going to be referred to as Universal Coordinated Time (GMT becomes UTC).

You can read more about PAARA's fascinating history for yourself at <http://paara.org/pages/newsletter.html>

## KH6RS ~ Maui Amateur Radio Club

Aloha, before leaving for a 9-day vacation on Maui, I decided to see if there were any Ham clubs on the island. The internet can be your friend when trying to locate the unknown. Sure enough, there was one club and they just happened to be having a club meeting the week I was on the island! Turns out the meeting was in Wailuku which was about 15 minutes from Kihei which is where we were staying. After mentioning the possibility of attending a meeting to my XYL, her reply was “have a nice time, I'll be in the hot tub”. Not able to find a good excuse for not going, off I went on Wednesday night.

After a bit of wandering around trying to find the room in an otherwise closed up City building, Robin, NH7U, asked if I was looking for the ham meeting. Confirming her observation, we chatted for a bit until the other members came from dinner. Seems they have a pre-meeting dinner. She mentioned the challenge at her QTH is all the so-

lar panels that have been installed on the roofs of the condo complex she lives in. This results in an S9 noise floor making it rather challenging, at best, to operate. Driving around my observations was the solar panel companies have been doing a booming business on the island as lots of buildings are covered with them.

Trip, WH6FAM, started the meeting with a few comments followed by a 5-minute introduction by each of the ~20 attendees stating their name and call along with what they'd been up to the last month. Though I ended up sitting in the front which wasn't by plan but was fortunate enough to be near the end. I introduced myself, whereupon a couple of members stated thinking they had me in their log. It's possible as I have several Hawaiian calls in the log. I then commented about PAARA mentioning that we are one year younger than the KH6RS club is. As I had noticed a bit on their website about Field Day, I made a short mention about our efforts. Several members mentioned remembering the W6ARA call. One other tidbit, Jim Tiemstra, K6JAT, the new Pacific Division Director for the ARRL was at the meeting. I had an opportunity to chat with him briefly at the end of the meeting.

After short updates from members involved with Hawaiian repeaters, emergency services, and Hawaii related ham events, Ron, KY6N, gave the group a very good and detailed presentation on remote operation. Seems Ron has a house in Oregon City where he has an HF rig which he operates from wherever he is. Over the years he's used many different rigs and a few different approaches to working remote. He's also found workarounds for about every failure mode possible. You can check out his experiences at [www.WY6N.com](http://www.WY6N.com) where he has a bunch of information on remote operation. You can also check out his Maui station at [www.KH6AH.com](http://www.KH6AH.com), which is affectionately known as the “Hawaii Internet Remote Amateur Radio Club Station”.

The presentation was followed by a short discussion on the Field Day setup for KH6RS. They set up and operate near mile marker 9 and Ho'okipa Beach Park in a pasture. Don't worry, the cows are removed for the weekend. Not sure about the cow pies though. The beach is located off highway 36, the Hana Hwy. The conversation sounded much like our planning meetings, how many stations, what antennas, what modes etc. I think

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(KH7RS-Continued from page 2)

they'll be operating 3A with one SSB, one CW, and one digital station if they can figure out what digital mode is the one most everyone else will be using and where to set the station up.

The meeting closed with several bags of "stuff" being dumped on the table which was up for grabs. Like lots of bags of "stuff", the value is only found with someone in need of it. Need a parallel printer cable?

Their website states that KH6RS Maui ARC has held the "ARRL CW Sweepstakes Multioperator Record" for the Pacific Section since 1974, with 151,950 points! Humm, wonder if we could put together a team to take them on? Clearly quite the record for it to hold up this long.

If you find yourself on Maui on the second Wednesday of the month and are looking for a ham event, attend a meeting of the Maui Amateur Radio Club. I'll bet you'd find it as fun as I did. You can find information about the club at <http://www.kh6rs.com/>.

73 for now, Jim Thielemann, K6SV

## July 18, 2018, Board Meeting

The meeting was held at Marty's QTH, commencing at 7:14 PM on July 18, 2018. In attendance were Kristen McIntyre, K6WX (Pres), Marty Wayne, W6NEV (VP), Ron Chester, W6AZ (Treasurer) via videoconference, Jim Thielemann, K6SV (Secretary/Membership), Larry Rebarchik, N6DB (Dir) via videoconference, Darryl Presley, KI6LDM (Dir), Walter Gyger K6WGY (Dir), and non-board members Clark Martin, KK6ISP, (ASVARO Representative), and Harry Cline, K4YR. A quorum was present.

Kristen, (K6WX), opened the meeting with a discussion regarding the challenge in finding members to step up and volunteer to take on club business. She mentioned Price's Law, "50% of the work is done by the square root of the total number of people who participate in the work". Thus, with a membership of 180, that means 13.5 people do 50% of the work. The only event we blow Price's Law out of the water is Field Day, and it's a good thing otherwise Field Day would not be the event we currently enjoy.

As the board felt there isn't a list of activities that need volunteers, thus members don't know the

areas they can help, Clark, KK6ISP, volunteered to compile a list of volunteer opportunities that members can help the club with. In the coming month(s), he will circulate the list of volunteer opportunities to the membership. Hopefully, there will be something on the list that you can assist PAARA with. Most of the opportunities don't require much time but do require a commitment to accomplish.

Kristen mentioned her reserve of stories continues to be low, thus there is a need for more. 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 it is 'homegrown' stories that make PAARAgaphs great", she said.

Vice President's Report: Marty, W6NEV, announced the August speaker is Joe Pistrutto, N3CKF, who will give a talk on the deployment process to Puerto Rico in the aftermath of Hurricane Maria in support of the ARRL and served agencies. Marty also mentioned that he has speakers booked for the remainder of the year. He's starting to work on next year so please let Marty know of anyone who would be interested in presenting at a PAARA meeting.

Secretary's report: Jim, K6SV, reported that there were 8 new members joining in June and July. The current membership stands at 180. We also received a donation from Jeri, AI6TK and Amy, AI6ZU. He also mentioned updating the club roster on the website in mid-June.

Treasurer's Report: Ron, W6AZ, provided the board a P&L statement for 2017 along with the report from 2016 for comparison. The board reviewed and discussed several of the categories. Most of the discussion revolved around the differences in several categories between the two years. In the end, the differences were understood and agreed upon. The bottom line, we had slightly more expenses than income in 2017 but nothing to cause concern.

Under Old Business,

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*(President—Continued from page 1)*

make sure that Amateur Radio remains strong and vital into the next century. These were not discussions about radios, operating, and antennas, but instead were about policy and direction, strategy and resources. It's a very different and very interesting part of our service that I have never touched directly before.

Like a good drama, there were cliffhangers after the first day, which was capped by a dinner at the hotel. I retired early since I was so low on sleep, but I was glad to know that I was becoming a friend and colleague of these people.

On Saturday, we began again at 9am and resolved the cliffhangers, before moving on to some less urgent business. The meeting ended early, at 2:30, having finished all the items on the agenda. Before we left the room, though, we needed a special picture. This term there are a record 3 IOOK Vice Presidents on the Board: Tom, W3TOM, Riley, K4ZDH, and I. We got Rick Roderick, K5UR, to pose with us for a picture to put on the IOOK website. Dinner was set for the local Maine lobster joint. I had some time to go back to my room and reflect on my experience. The dinner is a tradition, I was told, and this time it was led by Jim, K6JAT, the Pacific Division Director (my boss). It turned out that it was Jim's birthday, so it was a great celebration. I sat next to Bob Vallio, W6RGG, and across from the Southeastern Division Director, Greg Sarrat, W4OZK, and Vice Director Joe Tiritilli, N4ZUW. Notably Joe, a.k.a. Joey Jet, is a Learjet driver from Boca, and

he has carried around many celebrities. He's also a bit of a character, and a Jersey boy to boot. So, we had some fun discussions. We all had early flights, so we broke off to get a little bit of sleep. The next morning at the airport, I ran into 3 board members as I made my way to my flight. There was a real sense of camaraderie. It was sad to see it end, and I didn't even get a chance to go to headquarters, but I'll see them all in January at the next board meeting. Perhaps then I can work you from W1AW.

Given the paucity of sunspots at this point in the cycle, I recently decided to give FT8 a try. It was easy to get going with wsjtx on the Mac and my usual digital interface. The configuration wasn't hard, and after a little level adjustment, I was making Qs. While I missed the organic feel of hearing the signals and conversing, I was at least making contacts on 40m, 20m, and 15m. I'd urge you to give it a try if you're feeling the itch to work some HF, but the bands don't seem to be working. If there's any propagation at all, FT8 will allow you to make a contact.

September is PAARA's month to sponsor the ASVARO Electronics Flea market, now at Fry's in Sunnyvale. I hope you'll help us out. It's a lot of work putting on the EFM. When you volunteer, it makes things much easier. I'll be sending out emails begging for help soon, so I hope you will answer. If you don't get one, but still want to help, just let me know. We'll be glad to have you.

73 ES GUD DX DE K6WX

*(Board—Continued from page 3)*

Clark, KK6ISP ASVARO representative, reported the last Flea Market was well attended with everyone seeming to enjoy the new Fry's location in Sunnyvale. A discussion ensued as to what the bill will be this year for hosting the Flea Market, owing to the new location. Clark provided the cost he knows of but didn't know what the costs cover. The board requested that he follow up with ASVARO to determine what the cost breakdown is for the impending invoice.

The board was also reminded that PAARA is the September 8<sup>th</sup> Flea Market sponsor. Kristen, K6WX, is looking for volunteers to help during the entire event. This is a great opportunity for you to jump in and assist the club in our one big income source of the year. If you enjoyed everything that PAARA did for Field Day, here is a great oppor-

tunity to put some back in the coffers to help cover the expenses for this year's event.

Marty, W6NEV, mentioned the next field trip will be to the SS Red Oak Victory, the last surviving, out of 747, World War II Victory ships. This will be a drive yourself to Richmond tour of the ship. The exact details of the field trip are still being formulated, so stay tuned for more information. He mentioned possibly having it on November 3<sup>rd</sup>, which is right after Pacificon and the day after the November PAARA meeting. Kristen mentioned there is a big CW contest that weekend and maybe we should look at November 10<sup>th</sup>. Marty indicated he'd look into having it on the 10<sup>th</sup>. You can find more about the ship at <http://redoakvictory.us/>.

Kristen, K6WX, opened the topic on a review of

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Field Day. The 1<sup>st</sup> item discussed was the U-Haul truck challenge. Once again, U-Haul stood us up on the number of trucks we ended up with. This year we only ended up with 2 trucks, the rest being vans which aren't as usable for our purposes. Doug, KG6LWE, mentioned during Field Day that next year he plans on reserving them for Thursday instead of Friday. We'll have to wait until next year to see if that works any better.

Jim, K6SV, reported on the Field Day results. Having just finished the ARRL report, he provided information on how we did this year. The bottom line is that we scored 2,124 fewer points than last year. The total points for this year were 11,976 with 9,876 of them being from QSO's and 1,920 from Bonus points. Missing from the bonus points this year were the W1AW message and a Satellite contact. Though a breakdown was provided to the board, I'll not go into here but we made 807 fewer contacts this year than last. The information will be at the August meeting.

Darryl, KI6LDM, mentioned having gotten behind generating the new ham lists due to Field Day. The lists for the last two months were forwarded to Rachel, KK6DAC, for mailing of the new member invitation cards. She reported back that the cards are "in the mail". Great job Rachel!

There was a short follow up conversation regarding the current cost of PAARA badges. A bit more information is still needed before making any decision but it's more than likely the cost of badges may increase as the engraving costs seem to have increased. However, the board noted that the cost vs income for badges in 2016 and 2017 reflected a slight income in both years. Thus, if there is any shortfall from the sale of badges, it's a new occurrence. One note starting in July, Marty, W6NEV, volunteered to pick-up the badges from the engraver instead of paying to have them shipped to Doug, KG6LWE. This may be enough to keep the badge prices as they are for now.

There are several other items on the agenda 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:

Marty, W6NEV, mentioned getting two volunteers to do coffee and cookies at club meetings! Ric, N6AJS, volunteered to be the primary and Mikko, AB6RF, volunteered to be the back-up. Marty will

bring the coffee at the August meeting and transfer the pots et all to Ric. The board thanks both Ric and Mikko for volunteering to take care of coffee and cookies at meetings.

Marty, W6NEV, mentioned receiving a few QSL cards, mostly from Field Day. Rebar, N6DB, mentioned bringing them to the meetings for others to see. Marty also mentioned the need for some club QSL cards to send back. After a discussion on how to get them printed and how many were needed, Jim, K6SV, indicated he'd take care of getting Marty some cards.

Marty also mentioned having taken the badges from Doug that have been in his collection for quite some time. Marty discovered several of the people that purchased and hadn't picked up badges were no longer hams and a couple had addresses that were no longer valid. The rest of the badges were shipped off. The board thanks Marty for lightening Doug's load and shipping them off.

Kristen, K6WX, mentioned having written a short story on Field Day for the South Valley Review. The story was published in the July issue and can be found on page 15 at the following link [https://issuu.com/southvalleyreview/docs/july\\_13\\_revised](https://issuu.com/southvalleyreview/docs/july_13_revised). This is great publicity and they have invited us to provide more stories. If you're interested in penning a short 200-word story, contact Kristen.

Jim, K6SV, mentioned that there are a number of openings in the ad section of PAARAgaphs that could be filled. He also mentioned that it's time to contact the current ad holders to confirm the current ad is still OK to run and get paid for the ad if the advertiser isn't a club member. Walt, K6WGY, said he'd contact the advertisers and get updated information and payment.

The Board meeting was adjourned at 9:08 PM.

Jim Thielemann, K6SV  
Secretary/membership

Please welcome New members

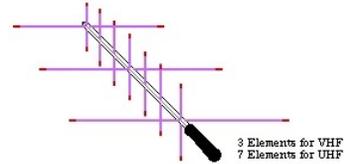
Roderick Thorne, KM6PYB, Karin Thorne, KM6PYA, (came as a result of the fishing cards), John Adam, KM6SKA, Jeri Ellsworth, AI6TK, Amy Herndon, AI6ZU, Benjamin Deovlet, W6FDU, Jim Weatherford, WU6K, Jeff Grafton, AJ6XZ

## August Raffle Prizes

- 1st ~ BaoFeng UV-5RTP Dual Band Radio  
 2M/70cm/FM bands  
 Three power output settings



- 2nd ~ Arrow II Model 146-437-10 Element Yagi



- 3rd ~ Daiwa CS 201A Two Position Coax Switch



- 4th ~ Two FSR Radios



- 5th Come to find out

- 6th Come to find out

- 7th Come to find out



- 8th ~ Grilliput/Portable BBQ Grill



Back row L-R

1st - Dual band Yagi  
 Gerry, N6NV

3rd - Two FSR radios  
 Marty, W6NEV

4th - Pivoting power  
 screwdriver

Darryl, KI6LDM

5th - LED flashlight

Steve, KO6L

8th - Grilliput portable  
 grill

Bob, KD6KYT

Front row L-R

6th - Magnetic parts  
 tray

Hannah, KM6NTA

2nd - Two position

coax switch

Kristen, K6WX

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	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	
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	dteter@wvci.com	
Historian Position .....	<i>Position Vacant</i>	
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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](mailto: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-September, 6am-12 noon  
 Contact: <http://www.electronicfleamarket.com/>

**PAARA — Palo Alto Amateur Radio Association**

Meets 1<sup>st</sup> 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](mailto:KD6W@ARRL.NET), 650-325-8239

**FARS — Foothills Amateur Radio Society**

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

**NCDXC — Northern California DX Club**

Meets 3<sup>rd</sup> 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 1<sup>st</sup> 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 3<sup>rd</sup> 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](mailto: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 2<sup>nd</sup> Mon each month @ 7:30 PM.  
 Contact: <http://www.qsl.net/sccara> or Clark Murphy KE6KXO 408-262-9334  
 ARRL/VEC license testing contact 408-507-4698

**SVECS — Silicon Valley Emergency Communications**

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

**TEARS — The Elmer Amateur Radio Society**

Dedicated to operational training, knowledge building & FCC exam testing.  
 KV6R repeater under construction.  
 Contact: [AA6T@ARRL.NET](mailto: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:  
           147.39 (+600) 151.4 ctcss           441.35 (+5.0) 88.5 ctcss  
           223.96 (+1.6) 156.7 ctcss       1286.20 (-12m) 100.0 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](mailto: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](mailto:shensley@Novell.com)

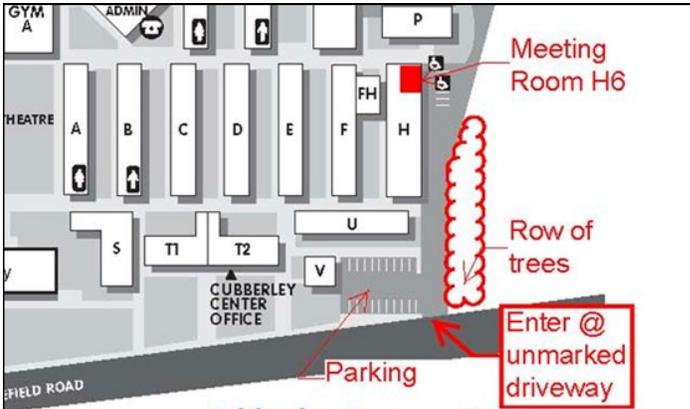
(Please send changes to [PAARAgaphs editor](#))



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 www.cityofpaloalto.org

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

## PAARA Weekly Radio Net

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

Week	Control Operator
1 <sup>st</sup>	Joel KD6W
2 <sup>nd</sup>	Doug - KG6LWE
3 <sup>rd</sup>	Jack - W1VSL
4 <sup>th</sup>	Rob - KC6TYD
5 <sup>th</sup>	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.

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### 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

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Marty is happy to announce that Ric, N6AJS and Mikko, AB6RF have volunteered to bring coffee and cookies to meetings.

Marty will be bringing coffee and cookies to the August meeting. Ric and Mikko will be bringing the coffee and cookies to future meeting. The board thanks you both for volunteering.

PAARA W6OTX DMR Repeater Frequencies	
144 – 144.9625 up 2.5 MHz	DMR—NOR CAL Brandmeister Network
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PAARAgaphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). All ad rates listed are per issue.

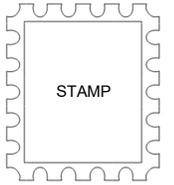
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- For Profit organizations and/or individuals: \$5-business card size, \$25-half page, \$50 full page or back cover per issue.

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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 2018

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