

W6OTX

W6ARA

PAARA NEWSLETTER
VOLUME 75, NUMBER 11, November 2024

K6OTA

K6YQT

PAARAGraphs



The Official Newsletter of the
Palo Alto Amateur Radio Association, Inc.

The Friendliest Club Around

Celebrating 87 years as an active amateur radio club—Since 1937

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

Service, Emotional Support, and Therapy Dogs.

**What are the differences?
How do we interact with them?**

Katrina Barnett, MD

Katrina is an Emergency Room Doctor. When she is not tending to the needs of her patients she provides another type of medicine with the help of MJ, a Therapy Dog. It can be confusing how all the different service and support animals function. Katrina will break it down to give you a better understanding.

**This meeting will be a Hybrid Meeting
Zoom and In Person**

Time: Nov 1, 2024 07:00 PM Pacific Time

Please check <https://www.paara.org/> for

Zoom Details

President's Corner

November 2024

On September 5th, I received an email requesting Ham support for an upcoming bike ride on September 14th. Carlos, the event organizer, realized this request for radio support of the event was a shot in the dark owing to the 10 days from his request to the event date! The bike ride was to support an End to Homelessness. Three routes needed radio coverage.

The longest route was up Old La Honda Road, over Skyline, and down



Upcoming Events

Nov 1	PAARA General Meeting, 7:00 PM
Dec 6	Zoom and In Person Meeting
Jan 3	
Nov 20	Board Meeting, 7:00 PM.
Dec 18	Everyone welcome! Zoom Meeting,
Jan 15	eMail President for details.

through Loma Mar via Hwy 84 and Pescadero Creek Road. In Pescadero, the route turned onto Stage Road, then Hwy 1 to Tunitas Creek Road. After climbing Tunitas Creek Road (~900') to Hwy 35, the riders went down Kings Mountain Road and wormed their way back to the Start/Finish on Porter Drive in Palo Alto. This route was the hardest bike route of the 3 and was difficult to get any event coverage on. Cell service is spotty at best as well as Ham Radio repeater coverage isn't 100%. Owing to the short notice, we could only muster 5 hams to assist with the event. Thus, the coast route was deemed the most important to have coverage. One aid station on the valley side also needed coverage as all routes went through this location.

Ric, N6AJS, and I met on Thursday, September 12th to check out the coast route and develop a communication plan. Darryl, KI6LDM, sent an email out to CARES to see if anyone would be interested in participating. We received an email from Eben, K6EBN regarding two linked repeaters, one on either side of the coast range that

(President — Continued on page 2)

Question of the Month

What are a grid dip meter, and an SWR Bridge? How are they used?

PAARAGraphs — November 2024
Celebrating 87 years as an active ham radio club—Since 1937

(President — Continued from page 1)

they use during a different bike ride. Unfortunately, the bay side repeater couldn't be reached from the Start/Finish area used for this event. Ric and I tested the suggested frequencies on the coast side along this event's route with limited success. It was late in the day when we returned to Alice's restaurant to try and figure out how to make something work. I remembered there was a repeater out of La Honda, W6SCF, that might provide better coverage for the coast route used in this event. We discovered we could hit it from Alice's Restaurant. Friday, I decided to rerun the route and see how much coverage the La Honda repeater provided. It provided much better coverage only leaving 2 small sections of the route uncovered.

Ric, N6AJS, Reyna, KJ6QAY (Ric's daughter), Bob, KN6YGN, George, KN6YGW and I rendezvous at 6:30 AM at the Start/Finish and met with Carlos. A plan was developed and assignments were made. Bob was net control, George covered the library (the location where all riders went past), Ric went to Loma Mar, Reyna was the coast rover, and I was on Skyline to relay information between N6NFI and the La Honda repeater. I started the ride at the aid station near Alice's Restaurant. After the aid station closed, I moved to a vista point north of Alice's Restaurant where I still reached the La Honda repeater, the coast repeater, and N6NFI. All in all, the event went very well. Roughly 30 riders took this route. None of which had an issue.

Most of our communications were regarding the aid station status and who was the last rider through a given location. Figuring out who was the last rider was complicated as none of the event riders wore bibs!

Needless to say, the route is rather popular with recreational riders!

In a conversation with Carlos after the event

(~4:30 PM), he was very pleased with the quality of communication he received from us. He felt the timeliness of communication received kept his team updated on the status of the riders as they progressed along the coast route. GREAT job to those who assisted with the event. Special recognition goes to Bob who was in Europe the entire week before the event arriving home on Friday at about 6:30 PM!

PAARA in the Park at Cupertino's Memorial Park could only be measured as a smashing success! I hope everyone had a wonderful time chatting with friends, learning about all things Ham Radio-related, making contacts on HF, or learning how to operate an HF radio and have a bite to eat. Sixty-one people signed the guest book! Though not a record, it ranks as the 2nd largest event by only one visitor! Thanks to Kristen, K6WX, for her wonderful antenna build project and for her time teaching the builders how the antenna works and assisting them in constructing it. In total, 18 antennas were fabricated by participants! Once again, Rob, KC6TYD, provided BBQ hamburgers and hotdogs. Bob's, KN6YGN, chili was such a success at the last PAARA in the Park that he brought another batch for all to enjoy. Darryl, KI6LDM, brought his Buddy Pole Hex antenna and complete station to the event for people to operate. Mikko, AB6RF, and Chuck, N6VFH, also brought antennas and radios to play with. Though the bands weren't the best, several people made contacts including a few that had not been on the HF bands before!

A highlight of the event was the Board's presentation of the lifetime membership award to Andy, KR6DD. The Proclamation and a story by Chuck, N6VFH, can be found elsewhere in this issue.

If you missed Pacificon on October 18~20, you missed a won-

(President — Continued on page 4)



Board members L to R: Margaret K6WEK, Jim K6SV, Ric N6AJS, Bob KN6YGN, Andy KR6DD, Rob KC6TYD, Darryl KI6LDM, Doug KG6LWE



OFFICIAL PROCLAMATION

In recognition of his commitment to the success of PAARA and its activities for more than fifty years, including twenty years of service as an officer and board member; dozens of educational presentations, newsletter articles, and talknet topics; constant advice and encouragement to new hams; and enthusiastic promotion of PAARA and amateur radio...

The Officers and Directors of the
Palo Alto Amateur Radio Association
do hereby award and bestow upon
Andy Korsak, KR6DD
A Lifetime Membership

on this date of 28 September 2024

Signed by:

Jim Thielemann, K6SV, President

Darryl Presley, KI6LDM, Director

Rob Fenn, KC6TYD, Vice President

Doug Teter, KG6LWE, Director

Ric Hulett, N6AJS, Secretary

Walt Gyger, K6WGY, Director

Margaret Cooper, K6WEK, Treasurer

Bob Ridenour, KN6YGN, Director



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derfully fun event. Renewing old acquaintances was right up there as a highlight. Fewer vendors attended this year but those who attended were doing a brisk business.

PAARA had a good showing at the Banquet on Saturday night with over 12 in attendance. The highlight of the evening was an outstanding presentation by Mark AF6IM (on the left) and Rob KC6TYD (on the right) on Operation Parachute Mobile. As you can see, Rob got “dressed up” for the event.

Many in attendance at the banquet made contact with one of the 3 jumpers of Mission 47 which occurred earlier in the day. Mark and Rob provided the audience with a well-rounded presentation of the preparation to jump along with what it is like to jump out and try to work a radio. They also talked about how many volunteers it takes to support a jump and coordinate making contact with them as they float down to earth.

Of major interest again this year was the Special Event station W1AW/6 (see page 6). The PAARA sponsored station operated from Friday, around noon, until Sunday at noon. A HUGE Thank You goes to Mikko, AB6RF, and Christopher, AI6KG, for getting everything together and overseeing the operation of the station. Numerous additional volunteers helped set up, operate, and oversee the station as well as pack it all back up. I hesitate to mention any of them as I'll possibly forget someone. I apologize in advance if I missed anyone who assisted. The volunteers that I noticed were, Darrel (KI6LDM), Doug (KG6LWE), Margaret (K6WEK), Bob (KN6YGN), Joe (WB6JOE), Frank (AF6XX), Karen (KK6NGA), and Joe (KJ6YTA). You can watch a video of the station at: https://www.youtube.com/watch?v=FiPSoUI_pU. Jump to 46:20 to see the station and a few PAARA members. The furthest contact made during Pacificon was to an Australian station 8040 miles away using CW on the 15M band.



Mark, AF6IM & Rob, KC6TYD
Operation Parachute Mobile Presentation

Station stats:

Total QSOs 390, CW 183, Phone 207. 40m; CW 2, Phone 65, total 67. 20m; CW 26, Phone 129, total 155. 17m; CW 1, Phone 0, total 1. 15m; CW 154, Phone 13, total 167. All told the

station made contact with 29 countries. This year we even had an FT8 station operating. The FT8 station made 303 QSO's, 44 countries, and 195 grid squares. The longest contact was Angola 8840 miles away! The station also contacted some cool islands like, the Azores, Tasmania, and the Canary Islands the cherry on top being Nauru C21TS! The FT8 station with its large display, on the right (see page 6), was of considerable interest to many visitors.

September was the start of the election “season”. All officers and directors, except Bob, KN6YGN, are up for re-election. Clark, KK6ISP, is again running the election. Please let Clark know if you can help or, are interested in running for office.

Remember nominations close at the end of the November 1st meeting. We have a candidate for President but you'll have to come to the November meeting to learn who it is. The candidates will be published in the December issue of PAARAGraphs. Elections will be held during the December 6th meeting. You must be a member in good standing and present to vote. The results of the elections will be announced at the end of the December 6th meeting.

The BIGGEST NEWS I've saved for last. The DREAM TO REALITY RAFFLE will be held during the December meeting! I finally tackled the various issues with the state and they are “allowing” us to conduct a raffle in December. See the flyer elsewhere in this issue. Remember, you must be present to purchase tickets.

I look forward to seeing all the smiling faces at the November 1st meeting. The meeting will be both an IRL and Zoom meeting.

73, Jim K6SV

Get on the air to keep the airwaves alive!

DECEMBER DREAM TO REALITY RAFFLE IS BACK

WHEN: DECEMBER 6, 2024

Where: During the PAARA general meeting



The Grand Prize is the Elecraft KX3! Additional prizes will be raffled off but you'll have to come and see what they are!

NO internet sales are allowed by the State, this is an in-person-only event.

See www.PAARA.org for more meeting info.



Pacificon Special Event Station

Andy Korsak (VE3FZK/KR6DD) Lifetime Membership Award

I have known Andy since the mid-1980s when I touched down in PAARA country. He was then PAARA Vice President charged with scaring up the guest speakers for the club meetings. I transitioned quickly into my editor's role as my predecessor Ken Deuker KB6BPM was on his way to college and needed a successor to do the club's publication. This put me in contact with Andy every month as he would dutifully track down guest speakers and let them in on the guest speaker amenities afforded by the group. There would be dinner with the speaker at the Su Hong restaurant in Menlo Park, then the meeting with presentation, then the after-meeting gathering at Round Table Tavern #1 on El Camino in Menlo Park till almost midnight at times. Andy would be there for it all.

As you may know, Andy was/is a world-class algebraist/mathematician PhD from UC Berkeley and is the inveterate developer of various ham radio-related hardware and software projects to this very day. He is an avid follower of Science News magazine and reports on inter-

esting developments on a regular basis on the 9 AM talk net.

He has consistently been a force for FCC law and order on the ham bands, particularly the 145.23 repeater. Various malcontents have sprung up over the years to pollute the airwaves and Andy has always been ready to oppose them by whatever technological/personal methodology at his disposal. He has been a force in the former ARRL Official Observer Program, even being an Official Observer Coordinator. He has retired from this official job but as a regular ham, he continues to closely monitor things on our favorite repeater.

I mentioned my stint as Club Newsletter Editor. Andy took the title of PAARA Club Newsletter Archivist by default. Where others may read and toss PAARAGraphs, Andy would dutifully save his issues for posterity. This would become a magnificent windfall for the Club in later years and was the reason I previously proposed Andy for Life Membership! His PAARAGraphs issues going back to the 1960s were graciously donated to the PAARA where they were scanned into searchable PDF format for use with modern dig-

(Andy — Continued on page 7)

(Andy — Continued from page 6)

ital technology for computers and other devices. This archive of PAARAGraphs as provided by Andy now appears on your favorite Internet search engines.

Andy has popularized the use of Echolink with his local, regional and world travels! I have talked to Andy from places he has been all over the world from my place in Northern California. The Echolink phenomenon has become a part of Andy's world. He has built an Echolink node to enable functionality and redundancy for the users here and everywhere wanting to tie into the N6NFI repeater. This is an important PAARA club resource.

Andy has been a sort of Goodwill Ambassador on the ham bands - particularly on the N6NFI repeater, welcoming newcomers and veteran hams alike to the hobby and the area. He is always willing to help with hams' tech concerns whether remotely from his QTH or in the field with visits to places where hams need help, such as with normal operations or sniffing out RFI sources. Part of Andy's Goodwill Ambassadorship has been his outreach in favor of directing folks to PAARA club meetings and other activities.

Andy is a truly venerable member of the PAARA/ham radio family. His enthusiasm belies any chronological vagaries, as he soldiers on with his ham radio passion! I have been the beneficiary of Andy's friendship over many years and I hope it continues for many years to come!

Chuck Johnson N6VFH
Former PAARA Board Member and
Newsletter Editor, Member of PAARA

press reports about Ham Radio's usefulness. It's unfortunate that we get press when things go south, but that's when Ham Radio is most needed. If we can find a way to keep our hobby visible at other times, that would be great for Ham Radio. (Jim Armstrong NV6W publishes an ARRL Santa Clara Valley section newsletter, we can keep him informed about our activities.)

Are you planning to participate in the Great American Shakeout? (on the anniversary of the Loma Prieta earthquake). It is a valuable exercise for us to take part in.

- Secretary's Report — Please renew your PAARA membership before the end of the year: You can pay by cash or check at the club meeting, mail a check to PO Box 911, Menlo Park CA 94026, or visit our PayPal link from the Members/Badges tab in the PAARA website.
If your mailing address or your e-mail address change, please let the membership chair know by e-mail: N6AJS@arrl.net.
- Treasurer's Report — We have not had much Treasury activity: Outstanding bills have been paid. Will send the reports for July, August, and September to the accountant.
- VP / Program Chair Report — Rob will not be at the November PAARA meeting, so there won't be for-sale items this month.. Ben KN6UBF will cover the AV duties for this meeting.
- Guest speaker: Katrina Barnett M.D. will be our speaker for November. Dr. Barnett is an Emergency Medicine specialist, who also works with service animals. Her topic is: "Service, Emotional Support, and Therapy Dogs. What are the differences? How do we interact with them?"

Old Business :

- We are always on the hunt for PAAR-

(Minutes — Continued on page 8)

Oct 2024 Board Meeting Minutes

In attendance were: President Jim Thielemann K6SV, Vice President Rob Fenn KC6TYD, Secretary Ric Hulett N6AJS, Treasurer Margaret Cooper K6WEK, Directors Darryl Presley KI6LDM, Bob Ridenour KN6YGN, Doug Teter KG6LWE, and Walt Gyger K6WGY. Also present was Clark Martin KK6ISP. A quorum was present. The meeting was called to order at 7:08 pm.

- President's Report — It is good to see

(Minutes — Continued from page 7)

Agraphs articles. We have material for November, but nothing so far for December and January newsletters. Please submit your articles, even short ones, to K6SV.

- Pacificon is this weekend (October 18-20). The board discussed plans for the W1AW/6 special event station. We will be running multiple stations, covering the bands from 10 through 80 meters, including CW, SSB, and FT8.
- November ‘question of the month’ will be: What are a grid dip meter, and an SWR bridge? How are they used?
- PAARAGraphs advertising, Walt K6WGY: Advertising payments for 2024 are complete. We need to find more advertisers to fill our available page space. Will start sending invoices early in 2025.
- 900 MHz repeater status:

- ◆ The 900 MHz repeater is operational, but very deaf.

Plan is to retune the isolators, and coordinate to a different frequency (with less ISM interference).

Need to identify cost for spare cards for the Quantar.

- ◆ We have an AREDN node at the repeater site. It connects us with Black Mountain for traffic to the bay area.

We plan to discuss with BAM representative about installing more antennas and a backhaul for valley hams.

- ◆ We have a Meshtastic system (part 15 unlicensed) node at the site. Bay area meshtastic isn't working well at this time.

- ◆ The repeater site owner let us know we were wiping out his 40m reception: Solved by replacing a faulty network switch.

- ◆ We still need to make plans for site cleanup.

- Past meeting presentation videos: All of the meeting videos from 2023 (except for two months) and 2024 (through August) meetings, are available on YouTube. Rob is working on some remaining technical issues.
- Next PAARA field trip: After the October presentation about ham radio on the USS Hornet, many club members are interested in a visit to that ship. Rob KC6TYD will work with Geoff K6ERA to organize this.
- Dream to Reality Raffle: After many months of red tape, we finally have approval from the State! Thanks go to Jim K6SV for his tireless work on this. Look for the big raffle at the December meeting.
- K3 repair: Christopher AI6KG has spent countless hours solving multiple issues with our K3. It will be ready to run at W1AW/6 at Pacificon. Thank you, Christopher for getting the radio operational!
- PAARA Elections:

We will finalize the list of candidates for club officers and directors at the end of the November meeting. If you are interested in a leadership role for PAARA, contact Clark Martin, KK6ISP.

New Business

- A local ham has made a \$700 donation to the club in appreciation of Rob & the team's efforts in removing the tower from his property. Rob showed us a video of the removal at the last club meeting.
- PAARA in the Park: We agreed to have our next PITP event on April 26 2025. We may consider a project around soldering practice. KK6ISP and Connie will confer with Darryl to design a project.
- The meeting was adjourned at 9:02 pm

Respectfully submitted
 Ric Hulett N6AJS
 PAARA Secretary

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

Officers

President	Jim Thielemann, K6SV	408-839-6815
	thielem@pacbell.net	
Vice President.....	Rob Fenn, KC6TYD	650-888-9060
	kc6tyd@gmail.com	
Secretary.....	Ric Hulett, N6AJS	408-332-4593
	n6ajs@arrl.net	
Treasurer	Margaret Cooper, K6WEK	
	k6wek@arrl.net	

Directors

Director ('24-'25)	Bob Ridenour, KN6YGN	650-575-4528
	bob_ridenour@yahoo.com	
Director ('23-'24)	Walt Gyger, K6WGY	408-921-5901
	wgyger@ix.netcom.com	
Director ('24)	Doug Teter, KG6LWE	650-743-7892
	dteter@wcwi.com	
Director ('24)	Darryl Presley, KI6LDM	650 255-2454
	ki6ldm@arrl.net	

Appointed Positions

Membership	Ric Hulett, N6AJS	408-332-4593
	N6AJS@arrl.net	
Database.....	Ric Hulett, N6AJS	408-332-4593
	N6AJS@arrl.net	
Station Trustee.....	K6OTA Ron Chester, W6AZ	
Property Manager	Doug Teter, KG6LWE	
Badge Coordinator.....	Doug Teter, KG6LWE	650-743-7892
	dteter@wcwi.com	
Historian Position	<i>Position Vacant</i>	
Raffle Coordinators	Rob Fenn, KC6TYD, kc6tyd@gmail.com Shrikumar, KA6Q shri.paara@enablery.org	
Field Day Coordinator .	Doug Teter, KG6LWE	650-743-7892
ASVARO Rep	Clark Martin, KK6ISP kk6isp@sonic.net	
Webmaster.....	Shrikumar, KA6Q webaron@gmail.com	
Technical Coordinator.	Christopher, AI6KG ch@murgatroid.com	408-348-0304
QSL Manager.....	Ric Hulett, N6AJS	408-332-4593
Speaker Coordinator...	Rob Fenn, KC6TYD	650-888-9060

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Member Profiles	<i>Position Vacant</i>
Technical Tips.....	Ric Hulett, N6AJS
Photographer	<i>Position Vacant</i>

VE Exams

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>

Electronics Flea Market (EFM)

Sponsorship: Association of Silicon Valley Amateur Radio Organizations (ASVARO). The Electronics Flea Market is held at West Valley College, 14000 Fruitvale Ave, Saratoga. Website: <http://www.electronicsfleamarket.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 website at <http://www.paara.org>. For more information, contact: Joel Wilhite KD6W, kd6w@arrl.net, 650-325-8239

FARS — Foothills Amateur Radio Society

Meets 4th Friday each month at 7:00pm at Covington School, Los Altos. Website: <http://www.fars.k6ya.org>

NCDXC — Northern California DX Club

Meets 3rd Thursday 7:00pm each month, Repeater for member info 147.360. Contact president@ncdx.org, Website: <http://ncdx.org>. YouTube content: "The Northern California DX Club Official Channel". Cohost of the International DX Convention.

The 50MHz & Up Group of Northern California

This organization specializes in vhf + wak signal and microwave activities. Meetings are held on the first Tuesday of each month. Time is usually 5pm for in person meetings, and 7pm for Zoom only meetings. In person meetings are held Sports Basement, 1177 Kern Ave, Sunnyvale. Always check the website, <http://50MhzandUp.org>, for correct information. Zoom information is also there.

San Mateo Radio Club W6UQ.ORG

Meets, 3rd Friday, January through November. Tuesdays & Thursdays, [Directed] Net, 7pm, N6ZX 145.370Hz, -600kHz, PL107.2Hz Contact: SanMateoRadioClub@gmail.com, Website: <http://W6UQ.org/calendar>

SPECS

Southern Peninsula Emergency Communication System users Group

Meets each Monday 7:30pm and 8:00pm. See: <https://specsnets.org/monday-night-net> for more info. Contact: <https://www.specsnets.org/contact> or board@specsnets.org

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, 10M (28.385) 8PM Thur. Meets 2nd Mon each month @ 7:30 PM. ARRL/VEC license testing contact 408-507-4698

SVECS — Silicon Valley Emergency Communications

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

WVARA — West Valley Amateur Radio Association

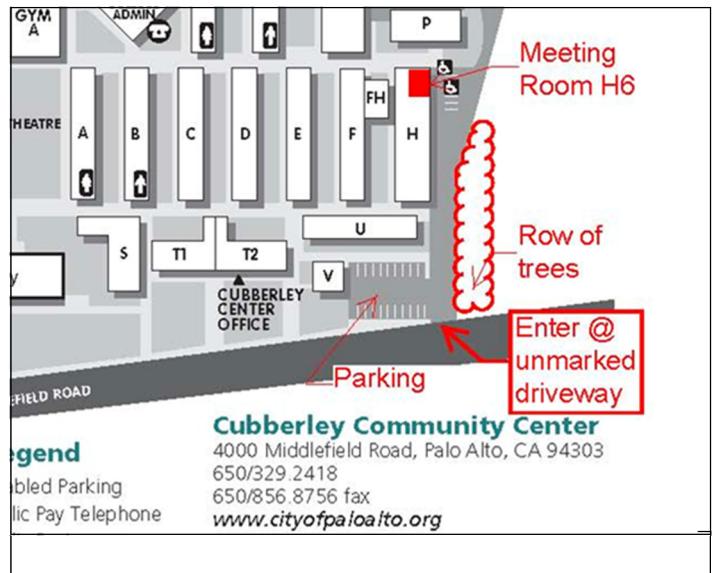
W6PIY six-meter repeater on 52.58MHz. Normally, six-meters is linked with 147 and 223, while 441 and 1286 repeaters are linked.
VHF: 52.58 (-500) 151.4 ctcss UHF:
147.39 (+600) 151.4 ctcss 441.35 (+5.0) 88.5 ctcss
223.96 (+1.6) 156.7 ctcss 1286.20 (-12m) 100.0 ctcss

Meetings are 2nd Wednesday of every month except July, August and December.

Website: <http://wvara.org>, Contact: info@wvara.org

(Please send changes to PAARAGraphs editor)

This space is available



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

Tribulations about moving?

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KARL DRESDEN, R.E.# DRE 00525686

KJ6GUK General License, PAARA member

777 Woodside Rd., Suite B, Redwood City, CA 94061

Email: KARLDRESDEN@juno.com



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 st	Doug - KG6LWE
2 nd	Doug - KG6LWE
3 rd	Ric - N6AJS
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.

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 PAARAGraphs \$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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ARV'S, WA6UUT (SK)
WEDNESDAY
HAM RADIO
LUNCHEON
Our 18th year!
- Since May 2, 2007 –

BLACK BEAR DINER

Sunnyvale, California
415 East El Camino Real
(Just "North" of South Fair Oaks Avenue on El Camino Real)
11:30 AM ~ 3:00 PM

Website: www.blackbeardiner.com

Many food choices available from the breakfast, lunch or dinner menus. Ample parking is available. Walk in & "bear" left for our location in the restaurant!

NOT A CLUB, CLOSED GROUP OR CLIQUE; AMATEUR RADIO OPERATORS AND FRIENDLY PEOPLE ARE ENCOURAGED TO ATTEND! Call in on the N6NFI Repeater, 145.230 MHz, PL® 100Hz

Submit items to **PAARAGraphs** by the 3rd Wed to: rrvt@swde.com
Text: .doc, .rtf, or .txt
Photos: jpg, png or tiff
Subscription Problems?
Contact Database Manager:
Ric Hulett, N6AJS
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PAARA W6OTX Repeaters
Located near Alum Rock Park, San Jose

VHF DMR	144.9625 MHz +2.5 MHz CC3	Slot 1: Dynamic Slot 2: NorCal BM (31068)
UHF DMR	444.475 MHz +5 MHz CC1	Slot 1: Dynamic Slot 2: NorCal BM (31068)
33cm FM	927.225 MHz -25 MHz	PL 100 Hz

PAARA Badges

Badges can be ordered through
our website [https://www.paara.org/
pages/members-current.html](https://www.paara.org/pages/members-current.html).

Scroll to the bottom of the page
and fill out the info. All badges will
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The cost for a badge is \$30.00.

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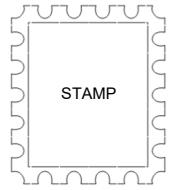
1. Not-for-profit ads by association members for ham-related items and wants. No cost for business card-size ads (additional space at \$2.50 per business card size per issue).
2. For Profit organizations and/or individuals: \$5-business card size, \$14.00-quarter page, \$25-half page, \$50 full page 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 PAARAGraphs 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 Walt Gyger, K6WGY.**

PAARGraphs — November 2024

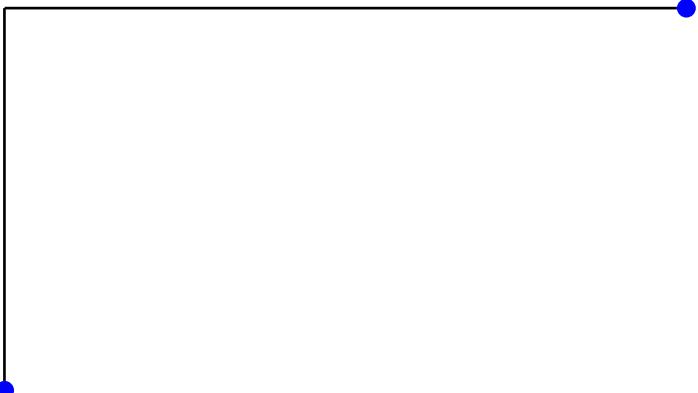
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PAARGraphs Newsletter
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5
Ways
to Shop!

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



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- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters • Phenomenal Multi-Signal Receiving Characteristics • Internal Parallel • 7-TQSB Maximum Attenuation I_C-Time • 15 Separate Scope Displays 3-Dimensional Spectrum Stream
- Real-time Spectrum Scope with Automatic Scope Control • Multi-color Waterfall Display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 inch Full Color TFT USA Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



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- 50W Output Power • Real Dual Band Operation • Full Color TFT Display • Band Scope • Built-in Bluetooth • WIRE-X Portable Digital Node/Fixed Node with HR-200



FT-2980R | Heavy-Duty 80/2M FM Transceiver

- 50 watts of RF power • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



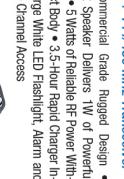
FT-3000R | HF/50MHz 100W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion 9MHz IF Filtering Filters • Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High-Speed Auto Antenna Tuner • Microphone Attenuator w/o Sagitar Parameter Equalizer • Remote Operation w/o optional LAN Unit (SCU-LAN10)



FT-50DR | CAFM/FM 144/430MHz Dual Band Transceiver

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output



FT-65R | 144/430 MHz Transceiver

- Automatic Mode Select detects CAFM or FM Analog and Switches Accordingly • Huge DC Jack for DC Supply and Battery Charging



FT-5DR | CAFM/FM 144/430 MHz Dual Band Transceiver

- Front Firing Acoustically Enhanced Speaker System • True Dual Band Operation, CAFM/AFM Digital D/U Dial Receive • Built-in High-Fidelity Audio • Includes Auto Antenna Tuner



FT-710 DSSR | HF/50MHz 100W SDR Transceiver

- Unmatched SDR Receiving Performance • Band-Pass Filter Detectors for the Amateur Bands • High-Freq 4.3-inch TFT Color Touch Display • AECSS Acoustic Enhanced Speaker System with SP-40
- Located in High-Speed Auto Antenna Tuner
- External Power With Matching Front Speaker



FT-500DR | CAFM/FM 144/430MHz Dual Band Transceiver

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output
- Automatic Mode Select detects CAFM or FM Analog and Switches Accordingly • Huge DC Jack for DC Supply and Battery Charging



FT-70DR | CAFM/FM 144/430MHz Dual Band Transceiver

- Front Firing Acoustically Enhanced Speaker System • True Dual Band Operation, CAFM/AFM Digital D/U Dial Receive • Built-in High-Precision GPS Receiver • Wireless Operation Capability with Optional Bluetooth® Headset

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