PAARA NEWSLETTER VOLUME 63, NUMBER 10, Oct 2013 K6OTA | | K6

K6YQT

The Official Newsletter of the

PAARAgraphs

Palo Alto Amateur Radio Association, Inc. Celebrating 76 years as an *active* amateur radio club—Since 1937

http://www.paara.org/

# October Meeting Date is Friday, October 11

W6OTX W6ARA

### Meteor Scatter using FSK441

**Russ Bentson, K6KLY** 

Russ Bentson, K6KLY will give an informal talk about Meteor Scatter Propagation. The talk will include information about equipment, software, and procedures including antennas, frequencies, times, reflectors, procedures, and WSJT FSK441. This will be a very interesting talk familiar to some and new to many. Join us for another great meeting and talk.

#### **Russ Bentson Bio**

Russ Bentson, K6KLY was first licensed in 1957, has held every level of FCC amateur radio license. Has been in every June VHF contest since 1959. He holds the Pacific Division Single. Operator high power record for the June VHF contest and is currently the only operator in the Pacific Division with 10 band DXCC, with over 2400 band countries. Russ is the first past president of the NCDXC, and a ARRL QSL card. checker. He holds WAS #212 on 6 meters, and VUCC on 6 meters and 10 GHZ. Russ is a member of the DXCC #1 club. During the 1980s Russ operated the CQWW phone contest from several countries, and placed 14th in the world in 1982. He also holds the call P40LY in Aruba. Currently Russ is working on a VUCC on 2meters and getting very close.

# **President's Corner**

Oct 11, 2013

7:00 pm

Cubberley Community Center Room H-6

> 4000 Middlefield Road Palo Alto, CA 94303

#### October 2013

It's time for Halloween, Pacificon, and time for CQP too. We've got a busy month coming up for both Ham Radio and for the Palo Alto Amateur Radio Association. Fall contest season is in full swing too, so it's time to get on the radio.

Coming up right away is the 48th running of the California



QSO Party sponsored by the Northern California Contest Club. This statewide event kicks off on Saturday morning, October 5th at 1600Z, until 2200Z on the 6th. That's 30 hours of operating fun and adventure where you are the DX that is sought after. It's a rare thing for others to be looking for 6 Area stations, so enjoy the notoriety and have some fun on phone and CW. As we've done for the last few years, our W6T team headed up by Rick, N6DQ, will be setting out for Lewiston, CA in Trinity County to set up and operate. We are all a bit stressed this year with various things, so we are not going all-out, but we are planning on having fun in that beautiful area with a more relaxed operation. We hope to

#### (Continued from page 1)

have a nice steak dinner, work some good Qs, see the deer in the morning, and I personally am looking forward to being out of touch, with no cell coverage for a few days. I hope we get a chance to work you. Go to <u>http://www.cqp.org</u> for more info.

Pacificon, the ARRL Pacific Division Convention, is coming up right after CQP. In fact, it's the following weekend. Right before that, though, is the PAARA meeting. Don't forget that it's one week later than usual this month because of CQP. At Pacificon, there will be vendors, displays, talks and information to satisfy all of your ham radio desires. There will also be many great opportunities to visit with many of your friends, both new and old. I usually spend much of my time visiting with people, some of whom I only see once a year during Pacificon. There will be a banquet on Saturday evening, followed by Wouff Hong at midnight. There are a number of talks on all three days. There is the Antenna Forum on Friday with many antenna-specific technical topics, followed by the more general tracks on Saturday and Sunday. As in prior years, I'll be giving a talk this year, and it will be a new one. This year we will be exploring VIRLCW - Voltage, Current, Resis-Inductance, Capacitance, and Watts tance, (Power). What are these things really? You may have used them to describe things before, but perhaps we can take a deeper look at what they mean. It should be fun and informative.

One thing that is new for Pacificon this year is that PAARA is participating directly by sponsoring the special event station, W6P, at the event. This is like a mini-Field Day, but without the scoring stress and we get to sleep too! Our VP Marty, W6NEV, is heading up the effort to organize the setup of the station and operator schedules. If you are interested in operating or setup and tear-down, please contact Marty at <u>w6nev@arrl.net</u> and let him know. I'm sure he would appreciate your help. This will be a great chance to remind everyone that PAARA really is, "The Friendliest Club Around."

Once this is all over, you only get to rest a little bit before you have to get on the air for the CQ World Wide DX Contest, SSB on October 26th, right before Halloween. It's a great time to work some DX. There will be stations out there with great antennas, so get out there and have some fun.

I hope to see you at one of these events this month, or at least work you in CQP. Until then 73 DE K6WX — Kristen

# K6MDD D-Star System Status

.....

On Tuesday, Sept 17, we got up to the site for the first time since the [Ed: Mt. Diablo] fire and saw first hand the condition of the equipment. It was depressing to say the least. A black soot was over everything and several pieces of equipment had charring all over them. Much of the feed lines were burnt and will need to be replaced or fixed.

I pulled all of the equipment on Tuesday. The D-Star Controller looks like it may be lost. Icom has asked me to send them all of the D-Star equipment for them to look at and advise me on what should be done. I will bring the D-Star equipment to HRO on Monday and they will assist in sending it back. I very big thank you to them for making this offer.

The filters, duplexer, power amp, preamp and Gateway CPU may need to be repaired or replaced.

The BUILDING at the Site is in BAD shape and will either need to be replaced or repaired before we can re-install any equipment.

The Site Owner wants us back and knows the service to the Ham Community that is provided by the K6MDD D-Star System.

The AC power is still off on the top of North Peak and several power poles need to be replaced in order to have power restored.

I have the insurance claim process started. I'm not sure what will happen with it or how long it will take.

Donation may be made from a link on the K6MDD Web Site at www.k6mdd.org

I sincerely want to thank you all in advance for any contribution that are made.

As we all know, the K6MDD D-Star Repeater is one of the BEST D-Star Systems in the World and it will be AGAIN.

Thanks & 73'

Tim Barrett

# **A Simplified Direction Finder**

I got this idea a long time ago from a 1974-edition of the ARRL's "Hints and Kinks" for the Radio Amateur. It was from an article (...same title as above) written by Bob

Davis, K4BRD. Total credit goes to him and to WA4BRY where Bob originally got the idea from.

What it was was a commonly mounted *earth-globe*, say 9 – 15inches in diameter, those normally seen in a library or den but modified slightly to yield useful beamheading antenna-pointing information especially for the DXer.

What you do is carefully dismount the globe from its N-S pivot points





and support. Then drill a small hole at your home QTH that will accept the pivot-point on the globe. Then drill another hole at the exact opposite end of the globe for the other pivot point.

Next carefully replace the globe back into its support but pivoted around your QTH as its "new North pole." Check the rotation, making sure it is 'true' and that there is no binding. As was Bob's original referenced above, my support was

graduated in degrees with the zero at the equator.

Using this 'zero' I drew in a 'new' equator around my globe using a black Sharpie-pen.

(Continued from page 3)

Next I indicated the cardinal (NEWS) compass points around the new equator.

East and West were easy as those proved to be the intersections wth the original equator. North and South was almost as easy too. Those points were aligned with the original N and S and intersected the new equator. The 'in-betweeners' NW, SE, etc., were 'eyeballed' in

equidistant from the NEWS cardinal points.

This became a dream to use. To date I have simply placed the desired DX location (...no matter where or how rare) directly under the support arm. The approximate direction and beam-heading is immediately indicated on the 'new' equator.

Ralph Hunt, AG6Q

## **Sept Board Meeting Minutes**

The Board Meeting was held at the Palo Alto Red Cross building, commencing at 7:45 PM on the 18<sup>th</sup> of September, 2013. Attending were Kristen McIntyre K6WX (Pres), Marty Wayne W6NEV (VP), Jim Thielemann KI6KVW (Sec, Database), Ron Chester W6AZ (Treas), Darryl Presley KI6LDM (Dir), Larry Rebarchik N6DB (Dir), and Doug Teter KG6LWE (Field Day Coordinator). A quorum was present.

President's Report: Kristen K6WX reported that the September 6<sup>th</sup> General Meeting was well attended and that the presentation on PhoneSat, NASA's Smartphone Nanosatellite by Ken Oyadomari, KK6EIQ interesting and well received. She also talked about having to rebuild, and replace the board mail server. Further discussion was conducted on adding the ability to do mass emails to all members, present and or past, when needed.

Kristen also reported that the web site is almost ready to offer Paypal payment for new memberships and renewals. The site will also offer merchandise for sale. As there are a few remaining items to address, the board voted to make the "go live" date November 1<sup>st</sup>.

On a continuing theme, the board wishes to invite the general membership to consider having your submissions published in upcoming issues of PAARAgraphs. Any projects, technical articles, hints n kinks, DX, on the air experiences that might be of interest? We can even help you write them up!

Vice President's Report: Marty W6NEV informed us that the presentation for the October meeting will feature Russ Bentson, K6KLY, on Meteor Scatter Propagation and communications using FSK441. He's also looking for a November speaker so if anyone has any ideas, contact Marty.

Secretary's Report: Jim KI6KVW reports that there were three new members and two renewals at the September 6<sup>th</sup> meeting. He also reports that there are 148 members and 3 that have renewed for 2014 bringing the total to 151 current members.

Treasurer's Report: Ron W6AZ reported that club finances are healthy and that the flea market "season" is over. There was renewed conversation on the clubs 501(c)(4) tax exempt status and the wording needed to fill out a government form he received.

Marty W6NEV updated the board on PAARA's participation at Pacificon. PAARA will be setting up 2 HF stations, a tower trailer and antennas to support the operation of W6P during Pacificon. He met with MDARC to solidify who is responsible for what. He does need volunteers to help setup on Friday October 11<sup>th</sup> and to help dismantle on Sunday the 13<sup>th</sup>. Anyone wishing to help or operate should contact Marty.

Under New Business, Kristen points out that it's that time of year again when our election cycle for club officers for 2014 commences with the September Meeting appointment of our Election Committee Chairman. The Chairman will then in turn assemble the committee and open the agenda with nominations in the October meeting, which will close in November for the December election.

Equally important was a discussion on the date for the October meeting. The board felt there would be a large conflict with the CQP contest and the October 4<sup>th</sup> date and there would be an opportunity to attract new people from Pacificon who were looking for something to do on Friday before the show. Thus we will provide informational flyers during the setup of the radio equipment for W6P to let people know PAARA will be meeting on October 11<sup>th</sup> and to come join us.

The meeting was adjourned at 9:45 PM.

# There were three new members at the September meeting:

John Neves	KB6FU	Palo Alto
Paul Laughton	NAC6B	San Jose
Jim Coates	KE6HPA	San Jose

#### PAARA Badges Ready for Pick-up:

#### PAARAgraphs—Oct 2013 Celebrating 76 years as an active ham radio club—Since 1937



# Sept. Raffle Winners

Left to Right

- Doug, KG6LWE
- Doyle, KG6YUN
- Mike, W6WZ
- Bob, KD6KYT
- Daniel, KJ6SEE
- Darryl, KI6LDM

### **October PAARA Raffle Prizes**

#### 1<sup>st</sup> prize: LDG Z100 Plus Antenna Tuner

RF Power: 0.1 to 125 watts SSB and CW, 30W on PSK Latching relays for ultra low power consumption 2000 memories sorted by frequency 1.8 to 54 MHz coverage (continuous coverage for MARS) Tunes 6 to 800 ohms. (16 to 150 on 6M) SO-239 in and out connections for dipoles, verticals, beams, G5RV, OCF, Cobra, ect 7 to 18 Volts DC, 100 mA. 6-foot DC power cable included Dimensions: 5.5"L, 5.5"W, 1.5"H. Weight: 16 ounces

#### 2<sup>nd</sup> prize: SignaLink<sup>™</sup> USB sound card - Radio Interface "New" Built-in Low-noise Sound Card Simple Installation and Setup Complete Radio Isolation USB Port Powered Works with virtually ALL Radios Uses Mic, Data, or Accy Port Supports virtually All Sound Card Digital and Voice Modes

#### 3<sup>rd</sup> prize: Two West Mountain Com Speakers Eliminate HAM radio station interference Amplified speaker system optimized for operation in close range of any radio transmitter Exceptionally high rejection of radio frequency interference from 1 to 1000 MHz Stereo high fidelity response for use with voice or music Solid, resonance free, wooden cabinets

- 4<sup>th</sup> prize: LF-01 LED Lite Flare
- 5<sup>th</sup> prize: ARRL Repeater Directory
- 6<sup>th</sup> prize: Coax Wrap
- 7<sup>th</sup> prize: Bongo Ties



#### Officers

President	.Kristen McIntyre, K6WX	510-703-4942
	kristen@alum.mit.edu	
Vice President	<b>,</b>	408-246-7531
	w6nev@arrl.net	
Secretary	.Jim Thielemann, KI6KVW	408-839-6815
	thielem@pacbell.net	
Treasurer	.Ron Chester, w6Az	408-243 2221
	ron@taxhelp.com	

#### Directors

	Directors	
Director ('13)	Byron Beck кс6иов	408-369-1913
	kg6uob@arrl.net	
Director ('14)	Rob Riley, ĸı6ınĸ	650 799-1607 (cell)
	ki6inr@arrl.net	
Director ('14)	Larry Rebarchik N6DB	925 353-7952 (cell)
	n6db@arrl.net	
Director ('14)	Darryl Presley, кі6LDM	650 255-2454
	ki6ldm@arrl.net	

#### **Appointed Positions**

Membership	.Vic Black. AB6SO	650-366 0636
-	ab6so@smrn.com	
Database	Jim Thielemann, KI6KVW	408-839-6815
	thielem@pacbell.net	
Chaplain		
Public Affairs		
Station Trustee w6otx, K6		ker, N6NV
Station Trustee K6OTA	,	
Property Manager		
Fund Raising Coordinator.		408 396 4745
	bob@rgktechsales.com	
Badge Coordinator	0	650-367-6200
	dteter@wcwi.com	
HistorianPosition		
Raffle Coordinator	2	650-851-2274
Ticket Master		408-246-7531
Field Day Coordinator	.Doug Teter, KG6LWE	650-367-6200
ASVARO Rep		650-856-2748
	n6nfi@arrl.net	
Webmaster		
	webaron@gmail.com	050 005 0000
Technical Coordinator		650-325-8239
OCI Managan	kd6w@arrl.net	050 700 4007 /
QSL Manager		650 799-1607 (cell)
Speaker Coordinator	ki6inr@arrl.net	408-246-7531
Speaker Coordinator	IVIAILY WAYNE, WONEV	400-240-7331

## PAARAgraphs Staff

Editorial Roard

Editorial Board			
Bob Van Tuyl K6RWY		Kristen McIntyre K6WX	
Ron Chester w6Az		Vic Black AB6SO	
Joel Wilhite, KD6	ŚW		
Editor	.Bob Van Tu	yl, k6rwy	408 799-6463
	rrvt@swde.c	om	
Advertising	.Ron Chester	, w6az	408-243-2221
	ron@taxhelp	.com	
Member Profiles Position Vacant			
Technical Tips	.Vic Black, AB	3 <b>6</b> SO	650-366 0636
	ab6so@smr	n.com	
Photographer	.Bill Young, K	(6vwo	
	jdsinger@sb	cglobal.net	
	-		

# **Future PARRA Meeting Dates**

Oct 11<sup>th</sup>, Nov 1<sup>st</sup>, Dec 6<sup>th</sup>

#### VE Exams

3rd Saturday each month, 10:30AM, 145.23- PL=100Hz Redwood City Main Library, Community Conference Room 1044 Middlefield Road, Redwood City, CA Contact: http://amateur-radio.org or AI, 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.ele

#### **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 <a href="http://www.paara.org">http://www.paara.org</a> for more information or contact: Joel Wilhite KD6W, <a href="http://www.paara.org">kD6W@ARRL.NET</a>, 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

#### **NorCalQRP** — Northern California QRP Club Meets 1st Sunday each month

Contact: http://www.nor

#### 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) E-mail: pres@k6mpn.org Web: http://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

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 UH UHE

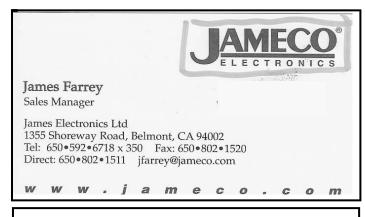
147.39 (+600) 151.4 ctcss 441.35 (+5.0) 88.5 ctcss 223.96 (+1.6) 156.7 ctcss 1286.20 (-12m) 100.0 ctcss Meetings are 3<sup>rd</sup> Wednesday of every month. Contact: http://wvara.org, Bill Ashby N6FFC, 408-267-3118, <u>N6FFC@Juno.com</u>, or N6FFC@ARRL.NET

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

Contact: http://santaclarav ss.org or Scott Hensley KB6UOO, (408) 967 7924 fshensley@Novell.com

(Please send changes to PAARAgraphs editor)

#### PAARAgraphs—Oct 2013 Celebrating 76 years as an active ham radio club—Since 1937



Real Estate Needs Met: call Karl

KARL DRESDEN General License, KJ6GUK Cell Ph. 650-274-8155 Email: karldresden@juno.com Full time Realtor since 1976 DRE # 00525686

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

# Badges are ready for pickup.

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

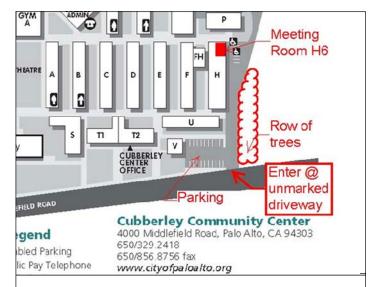
# **PAARA Weekly Radio Net**

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

#### Week Control Operator

- <sup>st</sup> Open
- 2<sup>nd</sup> Doug KG6LWE
- 3<sup>rd</sup> Jack N1VSL
- 4<sup>th</sup> Marty W6NEV
- 5<sup>th</sup> Up for Grabs!

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



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

#### http://www.foto.mail.ru/list/shkurkin

Vladimir Vladimirovich

## SHKURKIN

Editing and Translation Services English-Russian-English

shkurkin@ix.netcom.com

#### Palo Alto Amateur Radio Association P.O. Box 911, Menlo Park California 94026-0911

Club meetings are on the first Friday of each month, 7:00pm at the Room H-6, Cubberley Community Center.

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

Membership in PAARA is \$20.00 per calendar year, which includes one subscription to 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

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

#### PAARAgraphs—Oct 2013 Celebrating 76 years as an active ham radio club—Since 1937



## PAARAgraphs Ad Rates

PAARAgraphs 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).
Por 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 PARAgraphs 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

# PAARAgraphs — Oct 2013

Accept no substitutes. Produced and printed in California USA

STAMP

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

**MEETING DATE IS FRIDAY, OCT 11** 

# FIRST CLASS MAIL

