

W6OTX

W6ARA

PAARA NEWSLETTER

K6OTA

K6YQT

VOLUME 57, NUMBER 7, July 2007

# PAARAgraphs



Celebrating 70 years as an *active* ham radio club—*Since 1937*  
The Palo Alto Amateur Radio Association, Inc.



## CALENDAR

- July..... 6, **PAARA Meeting**, 7:30  
Menlo Park Recreation Center  
700 Alma Street, Menlo Park
- July.....11, **PAARA Board Meeting**, 7:30  
Red Cross Bld., 400 Mitchell Ln., Palo Alto
- August..... 3, **PAARA Meeting**, 7:30
- August..... 8, **PAARA Board Meeting**, 7:30
- Sept..... 7, **PAARA Meeting**, 7:30
- Sept..... 12, **PAARA Board Meeting**, 7:30



## NEXT MEETING

July 6, 2007

### PROGRAM:

"The K3 – High Performance Design"

### SPEAKERS:

**Wayne Burdick, N6KR**

and

**Eric Swartz, WA6HHQ**

"the Elecraft guys"

Wayne Burdick (N6KR) and Eric Swartz (WA6HHQ) founded Elecraft in 1998. "We're dedicated to *hands-on* ham radio. We offer unique, high-performance transceivers and accessories that you can easily build yourself."

Eric and Wayne will cover the key features and design aspect of the K3. They will have a digitized signal source that generates 40 kHz of recorded HF spectrum for the demo. It has actual CW and SSB signals that they will tune.

Check out the radio that everyone is talking about! You will see quality engineering at its finest, unbelievable receiver performance, and be entertained by "the Elecraft guys" who are leaders in "High Performance Design." *Jim K6AK*

**President's corner** The PAARA board has decided to make a big effort to get you an early edition of PAARAgraphs before Field Day. Special thanks go out to our editor, **Wally Porter, K6URO**, for putting in that extra effort to get our newsletter out before we get PAARA's Field Day stations and crew on the air.



The Field Day effort this year is being organized by **Gerry, N6NV**, who has organized many past PAARA Field Days. He is being assisted by **Ron, W6AZ**, and our station captains: **Andreas, N6NU**, for CW, **John, K6YP**, for phone, **Elaine, WA6UBE**, for GOTA (Get On The Air), **Joel, KD6W** for VHF and above, and **myself** for a second CW station. **Doug, KG6LWE**, will be doing all of the back breaking work of wiring up all of the power and local communications as well as helping Gerry and his crew get the towers in the air. Former PAARA president **Terry, AA6T**, will be taking care of public information. Though he might be out of town for Field Day Terry has already taken care of many of the details. **Robert, KG6UWZ**, is making sure we have food for all who visit and **Rick, K6RDM**, will be supplying the operators with their food and refreshments. There are many others who are planning to help out in various ways that are too numerous to mention individually and I'd like to thank them all. It is really wonderful to have so many great volunteers to work with.

As I'm writing this, I'm nursing a pretty good sunburn which I got from both walking the Field Day site with the whole team and from mostly watching **Gerry, N6NV**, **Doug, KG6LWE**, **Les, WY6H**, and **Peter, K6WEB**, assemble our 40m 3 element beam (*see page 76*). We did this in the parking lot of Doug's shop in Menlo Park to see if the antenna was working properly. Last year, while using this antenna for CW, I noticed that the SWR was unstable and that the antenna did not seem to have much of a front-to-back ratio. After assembly we found an intermittent problem which caused the resonant frequency to shift 70 KHz, fixed it, and I verified that it does form a beam. Gerry has marked the antenna with paint for easy assembly on the big day. I understand that there is another group looking at one of the tri-banders today.

(Continued on page 77) *pres corner*



## **PAARA 70<sup>th</sup> ANNIVERSARY** ***W6AZ WAS Challenge Update***

As the first to complete WAS during the PAARA 70<sup>th</sup> Anniversary year, and having made at least five of his 50 qualifying QSO's on CW, **Dave Wolfe, AA6XV**, has earned the title of **W6AZ WAS Challenge Winner**. Dave will receive PAARA 70<sup>th</sup> Anniversary WAS Certificate #1, and his choice of the three prizes offered by W6AZ.

Dave's accomplishment was a multiband, multimode effort, completed in 86 days from the start of the challenge. In fact, 46 of Dave's 50 qualifying QSO's were completed in the first 28 days of the challenge! The breakdown of modes used by Dave was as follows: 26-CW, 11-BPSK31, 7-SSB, 5-RTTY, 1-MFSK16. As you can see, there was a definite emphasis on digital modes. The band breakdown was as follows: 3-17m, 15-20m, 8-30m, 15-40m, and 9-80m. Congratulations Dave!!



**AA6XV (right) operating CW at 2006 Field Day with W6AZ looking on.**

Other members nearing completion of their 70<sup>th</sup> Anniversary WAS are as follows:

- Rob Goodson, N2RAG – 43 states
- Ron Chester, W6AZ – 41 states
- Joel Wilhite, KD6W – 39 states
- Kristen McIntyre, K6WX – approx. 25 states

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### **It's a Small World**

We received an amazing response to the photo W6AZ posted in the last PAARAgaphs (W6AZ Seeks Advice). A former PAARA member, Rich Swig, WA0ZQG, wrote from Council Bluffs, Iowa. He has continued to receive our newsletter since he moved there and sent in the following email.

From: Richard Swig(ZQG)	Sent: Friday, June 1, 2007	Subject: Car/Radio pix on p.67
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*Hey, I think that's my picture of the interior of the car on p.67. .*

*I took my wife to the Cedar Rapids IA (other side of the state) Hamfest in 2006. Here are the original pix with my wife Patsy and Chuck KD9UD, AND THE CAR. The guy's callsign is on the windshield missing only the first 'W' signed, Rich ZQG*

W6AZ was very disappointed to learn about this, as he wanted a truck, not a Ford Fiesta, for his mobile station. (see page 79)

*~Wally Porter, K6URO, Editor*

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40 METER FIELD DAY PREP 2007



*photos* K6WX



# PAARATrips

## Tour of Radiomarine Station KPH

### Point Reyes National Seashore...

**Mark Your Calendars and Buy Tickets !!**

**Saturday August 18th 2007 is the PAARATrips tour of Radiomarine Station KPH.**

**This will be a chartered-coach trip departing from the Menlo Park Recreation Center parking lot at 10:00AM, and will return to Menlo Park at 8:00 PM -- This is one of those fancy-schmancy tour coaches, so Hawaiian shirts and cameras are recommended attire, along with funny hats and handie-talkies ... Also plan to bring sweaters and jackets, it will likely be foggy and cold in the late afternoon....If any club members have camcorders or digital cameras, bring them along. this trip will be historically significant in years to come !! The tour includes the transmitter site and antenna field at the Bolinas facility, from approximately 11:30 AM to 1:00 PM, followed by a tour of the receiving and control facility, located at Point Reyes. PAARA members will also be able to operate the station on amateur frequencies. Your amateur license is not required as Docents will be on site at the control point and will act as control operators. A BBQ lunch will be provided while at the receiving/control site. Tickets are \$40.00 per seat for PAARA members and their immediate family.. *only 47 seats are available, so be sure to purchase your ticket(s) soon before the trip is sold out !!***

**Tickets will be available at the June, July, and August PAARA meetings, and also at the June, and July Amtech-Day events at SLAC..**

**Your tickets are your boarding pass, please do not lose them!**

**You may also purchase tickets by mail.**

**Checks must be made out payable to: PAARA mail payments to:**

**Patricia Gibbons**

**10958 Mount Hamilton Road  
Mount Hamilton, CA 95140-9701**

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*(Continued from page 73) pres corner*

All of this preparatory work will help us to have a smoother Field Day setup and, I hope, make it easier for us to score even higher than last year.

We had the chance to host **Bob Vallio, W6RGG**, as our speaker for the June PAARA general meeting. Bob is not only an entertaining speaker, but he is also our ARRL Pacific Division Director, an avid DX-er and contester, and one of the few people ever to have operated from Scarborough Reef. Bob showed us pictures and told many entertaining stories from BH7S operation. I have to admit to being a bit envious of those who went, despite the hardships of operating from atop a small rock in the middle of the ocean. Maybe I'm crazy, but it sure looked like fun to me.

As I said in the last issue, please come out and have some fun with us at Bayfront Park on June 23rd and the morning of June 24th. If you can help with setup or tear down, it would be greatly appreciated by the Field Day team. Contact any of us. I'm ready to call CQ FD DE W6ARA! I hope you are too.

*~Kristen (K6WX)*

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## 2007 PAARA FIELD DAY JOB ASSIGNMENTS

Field Day Coordinator: Gerry Tucker, N6NV

< n6nv@arrl.net >

Rules Chief: Ron Chester, W6AZ <ron@taxhelp.com>

Stations Chief: Doug Teter, KG6LWE

Station Coordinators: Gerry Tucker, N6NV &

Ron Chester, W6AZ

Assisted by: Rusty Epps, W6OAT

HF Station Captains:

CW #1 Station: Kristen McIntyre, K6WX

<kristen@alum.mit.edu>

Phone Station: John Eisenberg, K6YP

<jeisenb558@aol.com>

CW #2 (Roaming) Station: Andreas Junge, N6NU

<n6nu@arrl.net>

VHF/UHF Station Captain: Joel Wilhite, KD6W

<joel.wilhite@gmail.com>

Satellite Station Captain: Joel Wilhite, KD6W

GOTA Station Captain: Elaine Gibbons, WA6UBE

<wa6ube@arrl.net>

Antennas & Towers Rigging Captain: Gerry Tucker,  
N6NV

Crew Chiefs:

CW #1 Station Rigging: Gerry Tucker,  
N6NV

Phone Station Rigging: Doug Teter,  
KG6LWE

CW #2 Station Rigging: Andreas Junge,  
N6NU

GOTA Station Rigging: Rob Goodson,  
N2RAG

VHF/UHF Rigging: Joel Wilhite, KD6W

Rigging Crew:

Dave Crocker, W6VYC

Mike Gavin, W6WZ

Rolf Klibo, N6NFI

Les Kopari, WY6H

Bob Korte, KD6KYT

Scott Overstreet, N6NXI

David Platt, AE6EO

Larry Rebarchik, KI6CCH

Rich Tucker

Tuk Watkins, W6TUK

Station Operators & Loggers

CW Stations

Ron Chester, W6AZ

Chris Christensen, W6KNS

Rusty Epps, W6OAT

Rick Huisman, N6DQ

Andreas Junge, N6NU

Chris Kantarjiev, K6DBG

Les Kopari, WY6H

Kristen McIntyre, K6WX

Dean Straw, N6BV

Dave Wolfe, AA6XV

Jon Zweig, W6FEL

Phone Station

Ron Chester, W6AZ

Mark Cohen, K6EF

Dave Crocker, W6VYC

John Eisenberg, K6YP

Rusty Epps, W6OAT

Michael Furman, N6IL

Carolyn Gavin, WB6ABC

Mike Gavin, W6WZ

Rob Goodson, N2RAG

Andreas Junge, N6NU

Bob Korte, KD6KYT

Steve Lipman, AD6AB

Dale O'Harra, NX6S

Larry Rebarchik, KI6CCH

Jim Rice, K6AK

Rich Stibel, W6APZ

Dean Straw, N6BV

Doug Teter, KG6LWE

VHF/UHF Station Operators

Ron Chester, W6AZ (CW)

Rob Goodson, N2RAG

Rolf Klibo, N6NFI

Peter Sheerin, K6WEB

Joel Wilhite, AD6W

VHF/UHF Station Logger

Andy Gonzales, KG6RWO

GOTA Station Operators/Loggers

Andy Gonzales, KG6RWO

Robert Johnson, KG6UWZ

Geri Korte, KI6AWW

Rick Line, KG6TMD

Jan Lowery, KI6JPN

Christopher McIntyre, KG6SVI

Dillo Okay

Bill Smith, KE6CHQ

Zack Wilhite

GOTA Station Logger

Peter Sheerin, K6WEB

GOTA Station Coaches/Control Operators

Byron Beck, KG6UOB

Mark Cohen, K6EF

Rusty Epps, W6OAT

Michael Furman, N6IL

Elaine Gibbons, WA6UBE

Rob Goodson, N2RAG

Bob Korte, KD6KYT

Steve Lipman, AD6AB

Kristen McIntyre, K6WX

Jim Rice, K6AK

Kyle Rice, KG6MSK

Dennis Wilson, KA6LSW

*(Continued on page 79) Field Day 07*

(Continued from page 78) Field Day 07

photos from Rich WA0ZQG

(see page 75)

**Logging Officers: Rob Riley, KG6HVW &  
Dennis Willson, KA6LSW**  
**Assisted by: Rusty Epps, W6OAT**  
**Station Supplies Officer: Rick Melrose, K6RDM**

**Field Day Message Officer: Michael Furman, N6IL**

**Demonstration Modes Captain: Andy Gonzales, KG6RWO**  
**Special Mode Demonstrators:**  
**APRS: Andy Gonzales, KG6RWO**  
**ATV: Dick Kors, KM6EP**  
**SSTV: Byron Beck, KG6UOB**

**Message Handling Officer: Peter Sheerin, K6WEB**

**Press Release Officer: Wally Porter, K6URO**  
**Public Information Officer: Terry Finn, AA6T**  
**Field Day Greeter: Carol Randall, W6GEM**  
**Photographers: Rick Line, KG6TMD and Bill Young, KC6VWO**  
**Assisted by Dick Kors, KM6EP**

**Fire Safety Officer: Rob Riley, KI6INR**  
**Traffic Control Officer: Terry Finn, AA6T**

**Food Services Chief: Bob Korte, KD6KYT**  
**Assisted by: Robert Johnson, KG6UWZ**

**Tear-Down & Clean-up Crews**  
**Same crews as the rigging crews**  
**All other available hands**

### Summary

Every one of the jobs listed does an important part in producing a successful Field Day. We really appreciate all the work everyone puts into Field Day. By working together we can accomplish a lot and have the best Field Day ever! If you need clarification about your duties at Field Day this year, **contact W6AZ right away**. If you would like to be an operator, but find you are not listed, contact the station captain for the station you would like to operate. If you would like to help with any other job, contact W6AZ right away. See the email addresses at the top.

Ron Chester, W6AZ  
Rules Chief  
6/10/07

### **SHAD, K6CZ, DONATES FREQUENCY CHART TO PAARA FIELD DAY.**

K6CZ, known to many PAARA members as Shad, has donated an official, large size US frequency allocation chart produced by the U.S. Department of Commerce, National Telecommunications and Information Administration. This colored chart is a graphic, single point in time portrayal of the Table of Frequency Allocations used by the FCC and the NTIA. This particular chart was last printed in 2003, therefore, it does not completely reflect all aspects or recent changes to the frequency allocations. However, the chart makes an excellent reference item for the PAARA Field Day exercise.

Thank you Shad for your timely contribution to the PAARA Field Day activity of 07.

*Submitted by: Terry Finn. AA6T.*



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### **Congratulations: June 1<sup>st</sup> 2007 PAARA Raffle Prize Winners**

- 1<sup>st</sup> Prize: Kristen McIntyre / K6WX / Icom IC-T7H Sport / 2m / 440MHz / HT
- 2<sup>nd</sup> Prize: Rob Goodson / N2RAG / LDG Z-100 Antenna Tuner
- 3<sup>rd</sup> Prize: Pink Foster / KG6ILA / Solder Station / 50W
- 4<sup>th</sup> Prize: Joel Wilhite / KD6W / ARRL General Class License Manual
- 5<sup>th</sup> Prize: Bill Rausch / AA6PA / ARRL Hints & Kinks 17<sup>th</sup> Edition
- 6<sup>th</sup> Prize: Byron Beck / KG6UOB / World Radio 1 Year Subscription
- 7<sup>th</sup> Prize: Rob Riley / KI6INR / Reaching Pick Up Tool / Folds / Reach 3 Feet
- 8<sup>th</sup> Prize: Bob Korte / KD6KYT / Gordon West / Morse Code 0-5 wpm / 2 CD Set

**PAARA Members and Visitors: THANK YOU FOR YOUR SUPPORT** of the exciting monthly raffles! Since Feb. 03, **104 Radios**, including a Yaesu FT-847, an Icom 706 MK IIG, a Yaesu FT-897D, and TWO Elecraft KX1's have gone to Fellow Hams, **THANKS TO YOU!**

PAARA is having a remarkable year in 2007! If you aren't a member, please join PAARA now, and experience fun 2007 events with the "friendliest club around."

~ K6AK Jim





# PAARA July 6<sup>th</sup> 2007 Meeting

## PAARA “The Friendliest Club Around”

### Palo Alto Amateur Radio Association, Inc.

[www.paara.org](http://www.paara.org)

**Date and Time: Friday, July 6<sup>th</sup> at 7 p.m.**

**Menlo Park Rec. Center, 700 Alma St., Menlo Park, CA.**

**Welcome Members and Visitors / Raffle Prizes:**

**FIRST PRIZE: YAESU VX-2R**

**2m / 440 MHz / Micro miniature-HT**



- Extended Receiver Coverage AM/SW/FM/TV / Aircraft / Public Service Channels
- 1 Amp Hour Lithium Ion Battery
- 1300 Total Memories / 900 Regular Memories
- Backlit Keys and LCD
- ARTS-Automatic In-Range Transponder



**SECOND PRIZE: Super Antennas MP1**  
**Portable HF 7- 450 MHz Antenna with Tripod**

- 3.5 - 4MHz with Optional Coil
- QRP to 200W Operation
- Adjust Slider to Frequency and Snug Down Band Lock Screw
- Portable / Easy to Set Up Operation

**THIRD PRIZE: Elecraft W1 Wattmeter / Bargraph / Forward Power / SWR / PC Interface**

**FOURTH PRIZE: Elecraft XG1 Test Oscillator / “Thank you Elecraft”**

**FIFTH PRIZE: ARRL 20<sup>th</sup> Edition Antenna Book with Fully Searchable CD**

**SIXTH PRIZE: PAARA KPH Tour Ticket**

**SEVENTH PRIZE: Tripp Lite 13.8V DC / 3 Amp / Power Supply**


**EIGHT PRIZE: Elecraft DL1 Dummy Load / “Thank you Elecraft”**

Since February 2003, 104 Radios, including a Yaesu FT-847, an Icom 706 MK IIG, a Yaesu FT-897D, and Two Elecraft KX1's have gone to Fellow Hams. Special Thanks to Bob, Howard, Rick, Mark, and everyone at HRO for their continued SUPPORT!

~K6AK Jim


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 At any meeting or kg6lwe@arrl.net

**PAARA Radio NET**  
 and Swap Session  
 every Monday evening  
 8:30pm local time  
 on the  
**145.230 –600 MHz repeater**  
*PL tone off*

*control operators:*

Week	Operator
1 <sup>st</sup> Mon.	Pink Foster, KG6ILA
2 <sup>nd</sup> Mon.	Peter Sheerin, K6WEB
3 <sup>rd</sup> Mon.	Doug Teter, KG6LWE
4 <sup>th</sup> Mon.	Terry Ridgeway, N6ZAG
5 <sup>th</sup> Mon.	Doña Kerns, KI6DAR



**Directions to PAARA meeting:**  
<http://paara.org/meetings/>

**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  
 Menlo Park Rec Center, 700 Alma Street, Menlo Park, CA.

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

Membership in PAARA is \$18.00 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.

Join us for pre-meeting eyeball

**QSO**  
**July 6th**  
**gab & gobble**



Food will be served at 6:00 sharp, so guests will be on time for the PAARA meeting. Those arriving late  
 will be responsible for their own food order.

**5:30 pm—at Su Hong Restaurant**  
**1039 El Camino Real**  
**Menlo Park**

*across from Kepler's Book Store*  
*on El Camino Real*  
*Walking distance from Caltrain!*

**ADVERTISERS WANTED.**

PAARA members are encouraged to purchase an annual advertising space in the PAARA newsletter, commonly known as PAARAgaphs. This space is the size of a regular business card and only costs \$60.. annually. The money really assists our Association in producing and mailing the finest printed radio club newsletter in the western United States.

If you or your employer have a service to offer or a product to sell, please consider running an ad or an infomercial in PAARAgaphs. Remember that this little publication is distributed to many hams and ham radio supporters who will read it cover to cover. Simply contact the PAARAgaphs representative, Terry Finn, AA6T, at:

[aa6t@arrl.net](mailto:aa6t@arrl.net) or 650-366-9111 to submit an ad.

**W6AZ**



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**PAARA BADGES**



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**MEMBERSHIP NOTICE**

To develop a reliable PAARA Rooster, Data Base, PAARAgaphs mailings

**ALL CHANGES OR CORRECTIONS**

**should only go to:**

PAARA Secretary, David Ungar, W6DH 650-255-2131

[ungar@mac.com](mailto:ungar@mac.com), or at General meetings

*(this includes changes in Membership or Family Membership)*

**PAARAgaphs E-mail address: [k6uro@arrl.net](mailto:k6uro@arrl.net)**  
 Submit material for PAARAgaphs by the 15th

Text: WORD, RTF, or ASCII  
 Photos: JPEG or TIFF raster images

Missing PAARAgaphs, too many copies, wrong name or  
 Call on label? Contact Database Manager:

Rick Melrose K6RDM, 408-732-2247, [k6rdm@arrl.net](mailto:k6rdm@arrl.net)

**PAARAgaphs Ad Rates**

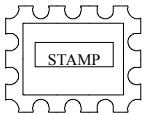
PAARAgaphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). All ad rates listed are per issue only.

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).

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

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 Terry Finn, AA6TF



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

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PAARA FIELD DAY 2007



**June 23-24**

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- 100W Mem. CTSS
- 100 Mem. CTSS
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- IC-705MKIIA** HF/VHF Transceiver
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- Easy to change menus
- Low Pricing!

**ALINCO**

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 RICK HENDRICK, Co-Owner  
 HOWARD WEBB, Co-Owner  
 So. from Hwy. 101  
[sunnyvale@hamradio.com](http://sunnyvale@hamradio.com)

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