

# PAARAgraphs

Since 1937

Monthly Newsletter for the Palo Alto Amateur Radio Association, Inc.



## Calendar

August 2, **PAARA Meeting**, 7:30  
Menlo Park Recreation Center  
700 Alma Street, Menlo Park 7:30-9:30 PM

August 7, **PAARA Board Meeting**, 7:30  
Red Cross Blvd. 400 Mitchell Ln., Palo Alto

September 2, **Labor Day**

September 5, **PAARA Meeting**, 7:30

September 10, **PAARA Board Meeting**, 7:30

October 4, **PAARA Meeting**, 7:30

October 9, **PAARA Board Meeting**, 7:30

October 12, **PAARA AUCTION** (tentative)

## IT'S ALL YOURS!



**DX** The WRTC (World Radiosport Team Championship 96) has ended. At the various locations on the Peninsula and East Bay, the teams have ended their 18 hours of operation. The FCC allowed the teams special call signs, such as the one assigned to the location of **W6VG**. This call was **W6K**. The team assigned to **W6K** consisted of **F6FGZ**, **F5MUX** and the

judge **K5RC**. Equipment and antennas were checked out Friday afternoon July 12, and the contest started at 5 AM Saturday July 13, and ended at 11 PM Saturday July 13. Only 100 watts maximum was allowed, tower height of approx. 50 feet, a triband beam and a dipole for 40 meters. All stations were supposed to be on the flat, and not up in the hills. Every effort was made to make all stations equal, and the contest results strictly the operating skill of the two operators. 2334 contacts (after dupes) were made at this station, with contacts made on 40, 20, 15, & 10 meters. The operators brought their own rigs and lap top computers. The judge also used his lap top computer and recorded the entire 18 hours on a VCR. (audio only) The other PAARA stations to my knowledge were **W6ISO**, the PAARA field site. Info on station hosts was just not available. Meeting many foreign hams was a wonderful and exciting opportunity, and I hope the U.S. hams made a good impression on our brother hams from other countries. 10 & 15 meters were open and this looks good for more DX in the coming winter. Northern Calif. DX Club elected **Ted Algren, KA6W**, the new president. He is a highly respected ham, a real tiger on 160 meters and will be a fine leader of our DX group. DX is NOT dead on 160 meters. Ted does live high in the mountains of Los Gatos. Keep listening. **73, Ron W6VG**



## Program

July 12, 1996

Check Monday Night Net for speaker & Topic

PAARA Radio NET every Monday evening, at 8:30pm,  
on the 145.230-600 repeater MHz, PL tone off. •

# Miscellaneous Dates

## Flea Market at Foothill (6AM - 2PM)

- Mar 9...Palo Alto Chapter, American Red Cross
- Apr 13...Palo Alto Amateur Radio Association (PAARA)
- May 11...Perham Foundation
- June 8...Santa Clara County Amateur Radio Association (SCCARA)
- July 13...South Peninsula Emergency Communication System (SPECS)
- Aug 10...Electronics Museum Amateur Radio Club (EMARC)
- Sept 14...West Valley Amateur Radio Association (WVARA)

**PAARA** Palo Alto Amateur Radio Association  
 meets 1st Friday 7:30 each month, Net 145.230 each Monday 8:30,  
 contact Jerry Tucker WA6LNV 415-961-3266.

**EMARC** Electronics Museum Amateur Radio Club  
 Meets 4th Friday 7:30 each month,  
 contact Sheldon Edelman 415-858-2176.

**NCDXC** Northern California DX Club  
 Meets 2nd Friday each month, repeater for member info 147.360, each  
 Thursday 8:00PM, contact John Troster W6ISQ 415-854-3939.

**NorCalQRP** Northern California QRP Club  
 Meets 1st Sunday each month, contact Jim Cates 3241 Eastwood Rd.,  
 Sacramento, CA 95821.

**Perham Foundation**, contact Sy Stein WA6ROM 408-734-4453

**SPECS** Southern Peninsula Emergency Communication System  
 Meets each Monday 8:00PM on Net 145.27, 224.36, 440.80 MHz  
 contact Mike Hastings KB6LCJ, 408-243-6745 or 408-249-6909.

**SCARES** South County Amateur Radio Emergency Service  
 Meets 3rd Thursday 7:30 each month, San Carlos City Hall.  
 Net is on 144.45 & 444.50 (PL-100) 7:30 Monday evenings.  
 contact Dick Collins K6ANN 415-593-8952

**Disaster Services**, Palo Alto Chapter, American Red Cross  
 Meets 3rd Wed. each month 7:30PM, HF, packet, BBS, ATV,  
 OSCAR Gateway, NASA satellite,  
 contact Ruth Claypool 415-688-0423.

**PACIFICON'96**, October 18-20, Concord Hilton Hotel, Concord.

**VE Exams**, 3rd Saturday each month, 11AM  
 American Legion Hall, 651 El Camino Real, R.C.

**Board of Directors**

John Buonocore, KD6ZL (415) 366 1658 '97  
 Fred Canham, K6YT (415) 948 9238 '97  
 Lily Anne Hillis, N6PGM (415) 325 5484 '96  
 Kit Kohlmoos, W6ISO (415) 366 7813 '96  
 Bill Smith, KE6CHQ (415) 366 9173 '96  
 Rich Stiebel, W6APZ (415) 494 0128 '96  
 Steve Stuntz, K6FS (415) 322 4952 '97  
 (see "Calendar" for Board meeting times, visitors welcome)

**PAARAgaphs Staff**

Editor.....Wally Porter, .....K6URO.....(415) 494 7038  
 Database.....Bill McElhinney, .....KA6LZL.....(415) 325 9808  
**e-mail Address: wmpor@comcast.net**

**Submit material for PAARAgaphs by the 15th**

## The Board Minutes (July 17, Board Meeting) *Notes courtesy Kit, W6ISO*

- Present:
- |                                    |                              |
|------------------------------------|------------------------------|
| <b>Bill Rausch, AA6PA*</b> , Pres. | <b>Vic Black, AB6SO</b> , VP |
| <b>Dave Bailey, WS6W</b> , Treas.  | <b>Kit Kohlmoos, W6ISO*</b>  |
| <b>Fred Canham, K6YT*</b>          | <b>Wally Porter, K6URO</b>   |
| <b>Steve Stuntz, K6FS*</b>         | <i>*Board member</i>         |

**Minutes:** (of previous meeting) approved  
**Treasurer Report:** no report

### Old Business:

1. License Class location will be at Mitchell Park, PA, Oct. 26 & 27, Announcement will be in Palo Alto Rec. Dept. publication, early September
2. Membership application form discussed, sample circulated. To be refined.
3. Auction-still no location (**HELP NEEDED**)
4. TV Purchased for PAARA-Fred Canham, K6YT.
5. Dues increase held over. Budget in preparation by Dave Bailey, WS6W, Treas.
6. Raffle-motion to discontinue, passed.

**New Business:**  
 None.

Meeting adjourned, 8:43pm.

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She was not quite what you would call refined. She was not quite what you would call unrefined. She was the kind of person who keeps a parrot.

*Mark Twain*

**Palo Alto Amateur Radio Association, Inc.**  
**PO Box 911**  
**Menlo Park, CA 94026**

President.....Bill Rausch, AA6PA.....(408) 637-0622  
 VP/ Program Director...Vic Black, Jr., AB6SO.....(415) 366-0636  
 Secretary.....To Be Filled  
 Corporate Secretary.....Kit Kohlmoos, W6ISO.....(415) 366 7813  
 Treasurer.....Dave Bailey, WS6W.....(408) 730-5215  
 Trustee/Property/Badges..Fred Canham, K6YT.....(415) 948-9238  
 ARES Officer.....Lily Anne Hillis, N6PGM.....(415) 325-5484  
 Club Historian.....Steve Stuntz, K6FS.....(415) 322-4952

## ELMER



## By Rich Regent, K9GDF

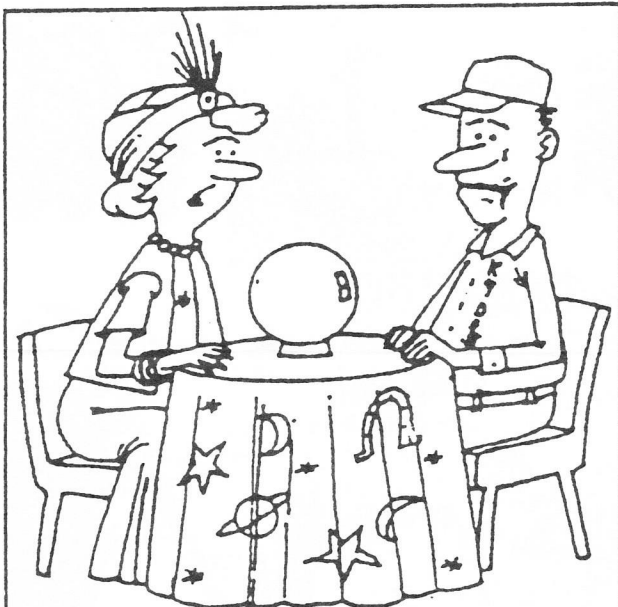


**VE** Saturday June 15 we had an early turn out of applicants for ham licenses and upgrades. On the scene for administering the tests were **Joe Horne Sr. KB6OWG**, **Gene Irazarry KK6LO**, **Dan Curry WB6STW**, and **Ron Panton W6VG**. We had no code tests given as **Bill Sooman WB6UVO** was absent. There were around 25-30 tests given and most of them passed. It is very difficult to inform an applicant when they have failed. None of us enjoy that part of the job. As we said last month, we do need more help on the 3rd Saturday of each month. 73, **Ron, W6VG**

## TREASURER REPORT

Dave Bailey, WS6W

| Revenues '96              | FEB           | MAR           | APR            | 96 Total       |
|---------------------------|---------------|---------------|----------------|----------------|
| Dues                      | 174           | 162           | 36             | 510            |
| Flea Market               | 0             | 0             | 6036.28        | 6036.28        |
| AMPEX Auction             | 0             | 0             | 0              | 0              |
| Advertisements            | 0             | 0             | 600            | 600            |
| Holiday Dinner            | 0             | 0             | 0              | 0              |
| <b>Total Revenues</b>     | <b>174</b>    | <b>162</b>    | <b>6672.28</b> | <b>7146.28</b> |
| Expenditures '96          |               |               |                |                |
| Stamps/Envelopes          | 0             | 32            | 0              | 32             |
| DMV                       | 0             | 0             | 0              | 43             |
| State of CA               | 0             | 0             | 0              | 10             |
| City of Menlo Park        | 0             | 0             | 0              | 150            |
| Speaker's Dinner          | 24            | 22            | 9              | 55             |
| Flea Market               | 0             | 0             | 937.24         | 937.24         |
| AMPEX Auction             | 0             | 0             | 0              | 0              |
| Meeting Refreshments      | 6.34          | 12.41         | 8.66           | 43.07          |
| PAARAgaphs                | 189.37        | 205.23        | 199.24         | 796.93         |
| Picnic                    | 0             | 0             | 0              | 0              |
| Field Day                 | 0             | 0             | 0              | 0              |
| Holiday Dinner            | 0             | 0             | 0              | 0              |
| Misc.                     | 0             | 0             | 35             | 66             |
| <b>Total Expenditures</b> | <b>219.71</b> | <b>271.64</b> | <b>1189.14</b> | <b>2133.24</b> |



"I don't see any new Amateur Radio equipment in your future. But I do see your wife getting the house, the furniture, the golf clubs, the car, and a trip to Hawaii after the divorce."

from the June '95 Oh-Ky-In ARS (Cincinnati) "The Q-Fiver"—Susie Scott, N8CGM, Editor—who credits the "SRF Electron." **ARN5**

**Join Us At The Next  
PAARA Meeting  
August 2 7:30**

### 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.

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

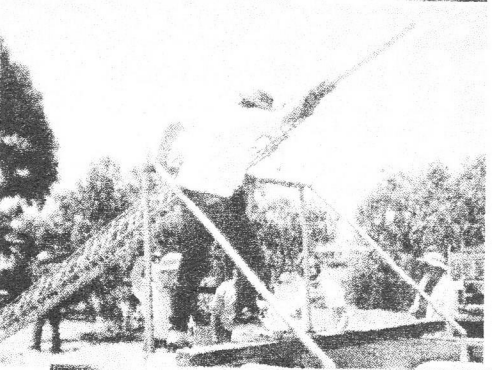
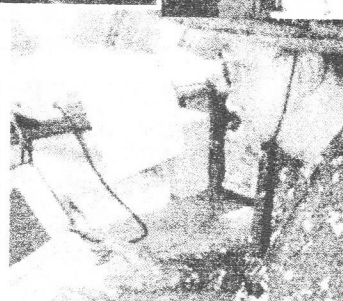
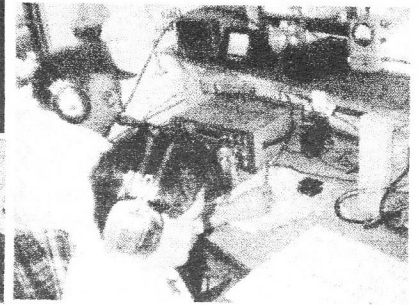
These fees may be reduced or waived in exchange for a valuable consideration that is given to the Association or its general membership. Such consideration must be in addition to any existing arrangements with the association.

The PAARAgaphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association. All fees are for "scanner-ready" copy or text-only ads.

**PAARA-Palo Alto Amateur Radio Association-P.O. Box 911, Menlo Park, California 94026-0911**  
 Club meetings are on the first Friday of each month, 7:30pm at the Menlo Park Recreation Center, 700 Alma Street, Menlo Park, CA. •  
 Radio NET every Monday evening, at 8:30pm, on the 145.230-600 repeater MHz, PL tone off. • Membership in PAARA is \$6.00 per  
 calendar year which includes a subscription to PAARAgaphs. • Make payment to the Palo Alto Amateur Radio Association.  
 Permission is hereby granted to reprint from this publication with appropriate source credit.



**PAARA Field Day  
June 22-23, 1996**



## Field Day

I hope everyone who participated in the **W6 OTX Field Day** effort had fun, I know I did. By pretending to be totally disorganized and waiting until the last minute to show any signs of effort, I think we threw our competition off balance. Our QSO score was 5678, over 1000 better than last year! We worked **K6YA** on both satellite and 20cw. It was great to hear our former president **Bob, K6SEM** working 1A from Colorado. We logged him on 40 Phone and 20cw. Around 0040Z I worked **HB9AFI, G0WSP**, and **GI4UDI** gave me a 5 over 9 in North Ireland. **Steve, KO0KV**, showed up as last year and started us off on phone, followed by our own **Dave, WS6W**. It was great having **Kaz, JR1VMX** drop by on his way home via SFO and work 80m a few minutes. **Sean, KE6QMG** supported the phone effort for a while, as well as maybe a few others too numerous to mention.

**Kim, KM6OH**, was the able captain of our record setting CW station, (for recent 2A history anyway). **Mac, W6BSY; Don, KE6DVP**; another **Don, W6VTK** and **Bill, WB6IYS** were the main stays of the CW operator effort. They used **Fred's (K6YT)** rig this year and it worked great.

When dinner time came, **Len, W6HLE** rustled up some grub for us in the guise of perfectly broiled steaks. I had done a pretty accurate head count the day before so there were just enough to go around, and I'm sorry if some late shows didn't get something to eat. Sunday morning, **Len and Don W6VTK** delivered some tasty French toast which was much appreciated.

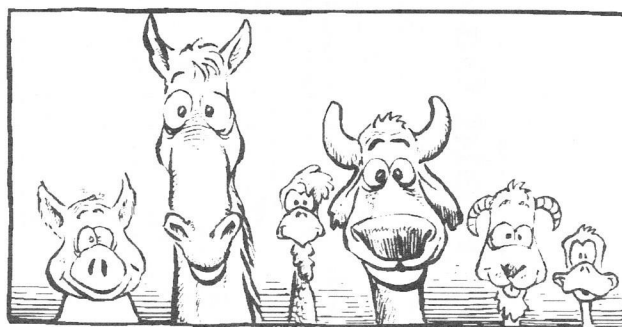
**Bill, AAPA**, delivered several satellite Q's which gave us 100 bonus points we didn't have last year. I think he needed some last minute equipment support from **Lars, AA6IW** via **Mike, K3MC**. **Andy, VE3FZK** delivered on the message to the SEM and collected our 100 points for packet. Andy also made sure we got our 100 natural power points. **John, N6WBP** donated his call sign to the Novice/Tech station, and did a great job setting up and raking in calls on VHF, (another 100 bonus points). **Tom, K6JBR** was burning the video tape during setup and much of the operating period. Maybe for some future PAARA meeting?? **Wally, K6URO** was around taking pictures for PAARAgaphs. Thanks to all helped setup, **KD6ZL, WB6STW; W6APZ; my brother**, and a few who I'm sure didn't make it into the log book. It couldn't have been done without you. And thank you **Fred!**

See you next year, de **WA6LNV**

**Fred, K6YT**, also thanks:

**Chris, N6VZD; Kim, KM6OH; Bill, KE6CHQ; and Jeff, N6WLA** for participating Friday, Saturday or Sunday.

## Join us for pre-meeting eyeball QSO



## gab & gobble

6 pm— at Su Hong Restaurant  
1039 El Camino Real, Menlo Park

—across from Kepler's Book Store—



Here & There

## PAARA PRIDE

wear your

## PAARA Badge

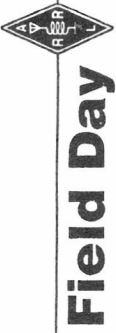
to

meetings, picnics, field days, winter parties, ham fests, flea markets, Pacificcons... (if you need one, contact Fred, K6YT)

## WRTC Operators

at PAARA member home station

|                              |    |   |
|------------------------------|----|---|
| <b>K6L</b>                   | at | <b>Kit Kohlmoos, W6ISO</b>                |
| <b>Zygi, SP9IJU</b>          |    | Poland                                    |
| <b>Wojetk, SP9HWN</b>        |    | Poland                                    |
| <b>Bear, JA7RMJ</b>          |    | Judge (Japan)                             |
| <b>W6Z</b>                   | at | <b>Fred Streib, W6NA</b>                  |
| <b>Martin Luther, ZK5GN</b>  |    | Willaston, Australia                      |
| <b>David Pilley, ZK2ADY</b>  |    | Sidney, Australia                         |
| <b>Alexandr Ivliev, RU1A</b> |    | Judge (St. Petersburg, Russia)            |
| <b>W6K</b>                   | at | <b>Ron Panton, W6VG</b>                   |
| <b>Gerry, FG/F6FGZ</b>       |    | France                                    |
| <b>Lee, F5MUX</b>            |    | France                                    |
| <b>Tom, K5RC</b>             |    | Judge (Bellville, TX)                     |
| <b>W6D</b>                   | at | <b>Fred Canham, K6YT</b> , Field Day site |
| <b>Tom, K1KI</b>             |    | US (Connecticut)                          |
| <b>Phil, K3UH</b>            |    | US (Pennsylvania)                         |
| <b>Adam, AA7FT</b>           |    | Judge (Seattle, WA)                       |



# Field Day

1. Field Day Call Used W6OTX 2. Club or group name Palo Alto Amateur Radio Assn.

3. Field Day location End of Bay Road, East Palo Alto, CA

4. Check if you began set-up prior to 1800 UTC Saturday.  5. Number of people participating in this operation. 21 6. Number of transmitters in simultaneous operation. 2

7. ARRL/Canadian Section 6 (SCV) 11. \_\_\_\_\_

8. Entry Class (check one only):

- A. Club or non-club group portable
- B. Non-club portable top 2op \_\_\_\_\_
- C. Mobile \_\_\_\_\_
- D. Home station (commercial power)
- E. Home station (emergency power)

9. Power source  Battery  Other \_\_\_\_\_

10. Call sign of Novice/Technician station N6WB P (class 2A and above)

12. Total CW QSOs 759 × 2 = 1518

Total phone QSOs 1321 × 1 = 1321

Total QSO points 2839

13. Total QSO points 2839 × Power Multiplier (5 W or less, ×5; 150 W or less, ×2) over 150 W, ×1) 2 equals Claimed Score (less bonus points) 5678

### 14. Bonus points

- Attach proof required for all bonus points claimed. All
- 100% Emergency power
- WIAW Field Day message
- Media Publicity
- Location in Public Place
- Information Booth
- Messages handled (no.) \_\_\_\_\_
- ARRL HQ
- Natural Power
- Packet Radio
- VHF/UHF
- Other \_\_\_\_\_

15. This certifies that the station whose call appears above was operated in accordance with the current Field Day rules and that, to the best of my knowledge, the points and scores set forth in the above summary are correct and true. This station was operated in accordance with FCC rules and regulations. I agree to be bound by any decision of the ARRL Awards Committee.

Date 12 July '96 Signed Ronald H. Hunter Call W6BLNV signature/call of club president

16. Full mailing address (please print): Name 1112 Ramona St Address Palo Alto, CA 94301

MSD 140 (3/93)

| 180   | CW   |              | PHONE |              |
|-------|------|--------------|-------|--------------|
|       | QSOs | Power Output | QSOs  | Power Output |
| 80    | 43   | 90 w         | 80    | 102          |
| 40    | 193  | 90 w         | 40    | 115          |
| 20    | 414  | 90 w         | 20    | 955          |
| 15    | 106  | 90 w         | 15    | 29           |
| 10    |      |              | 10    |              |
| 6     |      |              | 6     |              |
| 2     | 3    | Packet 20w   | 2     | 6            |
| Other |      |              | Other | 11           |
|       |      |              | Other | 67           |

| 759 | CW QSOs |       | PHONE QSOs |       |
|-----|---------|-------|------------|-------|
|     | Novice  | Total | Novice     | Total |
|     |         |       |            |       |
| 759 |         |       | 36         |       |
|     |         |       | 1321       |       |

## THE AMERICAN RADIO RELAY LEAGUE

### VHF/UHF AWARD

This Certifies That Station

**KO6CL**

Has Achieved

FIRST PLACE, SINGLE OPERATOR  
PALO ALTO ARA

In The

1996 ARRL JANUARY VHF SWEEPSTAKES



*Rodney J. Stepp*  
PRESIDENT, ARRL  
KB6ZV

## THE AMERICAN RADIO RELAY LEAGUE

### VHF/UHF AWARD

This Certifies That Station

**W6OTX**

Has Achieved

(AA6PA, KD6PIW, WS6W, ops)  
FIRST PLACE, LIMITED MULTIOPERATOR  
SANTA CLARA VALLEY SECTION

In The

1996 ARRL JANUARY VHF SWEEPSTAKES



*Rodney J. Stepp*  
PRESIDENT, ARRL  
KB6ZV

Date: 96-07-21 02:44:22 EDT  
 From: John Zapisek K2MM <k2mm@jzap.com>  
 To: WMPORTER@aol.com

## WRTC-1996 Final Results

| Call | Op#1   | Op#2     | Judge  | Host   | Score   | QSOs | Mults | Uniq% | S/ware |
|------|--------|----------|--------|--------|---------|------|-------|-------|--------|
| W6X  | KR0Y   | K1TO     | UA6HZ  | WA6AHF | 761829  | 2457 | 183   | 1.7   | NA     |
| K6T  | K4BAI  | KM9P     | W6UM   | NQ6X   | 678132  | 2511 | 162   | 1.2   | NA     |
| W6R  | K6LL   | N2IC     | WR3G   | AF6S   | 655720  | 2424 | 169   | 1.1   | CT     |
| K6P  | VE3EJ  | VE3IY    | OH2KI  | N6UUG  | 647112  | 2343 | 177   | 2.0   | NA     |
| K6C  | K4UEE  | N6IG     | BA1FB  | WB6PCJ | 644059  | 2355 | 169   | 0.9   | CT     |
| W6T  | K5ZD   | WX3N     | K6SSS  | AB6CW  | 616308  | 2170 | 174   | 1.2   | NA     |
| W6D  | K1KI   | K3UA     | AA7FT  | K6YT←  | 606550  | 2145 | 175   | 1.6   | CT     |
| W6Q  | 9A3A   | S53R     | W7NI   | WA6GFY | 598272  | 2233 | 164   | 2.1   | CT     |
| W6V  | KF3P   | KR2J     | N6RA   | WB6YRN | 577575  | 2352 | 151   | 1.6   | CT     |
| W6P  | K8CC   | K5GO     | K7LXC  | WB6WSL | 568435  | 2370 | 149   | 1.0   | NA     |
| K6V  | W2GD   | W0UA     | S59AA  | KE6HUA | 568378  | 2465 | 146   | 2.4   | CT     |
| K6W  | N6TV   | K7SS     | N6KT   | AB6DI  | 556928  | 2261 | 152   | 1.5   | CT     |
| W6I  | K1AR   | K1DG     | S50R   | KK6WP  | 547404  | 2204 | 156   | 1.3   | CT     |
| W6Y  | DL1IAO | DK3GI    | NB6G   | AD6E   | 545756  | 1993 | 167   | 1.7   | CT     |
| K6D  | DL5XX  | DL1VJ    | KJ4VH  | NF6S   | 532728  | 2183 | 147   | 2.3   | CT     |
| K6R  | LZ1SA  | LZ2PO    | OK2FD  | N6BT   | 531552  | 2256 | 147   | 2.1   | CT     |
| K6G  | NP4Z   | WC4E     | K5MM   | K6MA   | 527592  | 2238 | 152   | 2.8   | NA     |
| W6A  | K3LR   | WA8YVR   | AB6NJ  | KE6OT  | 523672  | 2478 | 134   | 2.2   | NA     |
| K6X  | UA3DPX | RZ9UA    | AI7B   | WB6UTY | 518666  | 1960 | 163   | 1.7   | TR     |
| K6Z  | JH4NMT | JE3MAS   | W0UN   | W6YX   | 512535  | 2318 | 141   | 3.4   | CT     |
| W6S  | LY2IJ  | LY1DS    | S50A   | AA6YQ  | 509392  | 1958 | 158   | 1.9   | paper  |
| W6B  | S59A   | S56A     | I2UIY  | AE0M   | 507318  | 2257 | 141   | 1.7   | S56A   |
| K6Y  | OK1CF  | OK2PAY   | W7RM   | W6DU   | 499796  | 2143 | 148   | 2.3   | TR     |
| W6H  | RW1AC  | RV1AW    | PY5EG  | AI6V   | 497965  | 1841 | 163   | 1.0   | CT     |
| K6I  | JH7PKU | JO1BMV   | CT1BOH | KN6VO  | 488940  | 2296 | 145   | 2.1   | CT     |
| K6S  | ON4UN  | ON9CIB   | W3ZZ   | N6WFK  | 480326  | 2120 | 154   | 2.4   | CT     |
| W6U  | EA1AK  | EA4KR    | N0AX   | W6JD   | 470744  | 1918 | 152   | 1.7   | CT     |
| W6G  | JE1JKL | JH7WKQ   | OH2MM  | N6OM   | 470237  | 1984 | 139   | 2.0   | CT     |
| K6U  | SM3DMP | SM3CER   | N7NG   | AJ6V   | 465075  | 2165 | 135   | 1.1   | TR     |
| W6O  | ZS6EZ  | ZS6NW    | VE7SV  | KV6S   | 461553  | 2093 | 137   | 1.7   | CT     |
| K6O  | WN4KKN | N6TR     | WA7NIN | KW6C   | 454476  | 2331 | 121   | 0.6   | TR     |
| W6E  | EA7TL  | EA9KB    | N2AA   | K6XV   | 445356  | 1871 | 139   | 1.6   | CT     |
| K6N  | YTIAD  | YUIRL    | K3ZO   | WB6AFJ | 440358  | 2228 | 140   | 3.7   | CT     |
| W6W  | LU6ETB | LU/OH0XX | I0JBL  | W6OPO  | 437016  | 2319 | 131   | 3.3   | TR     |
| K6J  | N2NT   | KZ2S     | S57AL  | KK6EK  | 426656  | 1902 | 134   | 1.1   | NA     |
| W6K  | F6FGZ  | F5MUX    | K5RC   | W6VG←  | 418375  | 2276 | 125   | 3.1   | CT     |
| K6A  | JH4RHF | JA8RWU   | 9A5W   | K6SMH  | 412388  | 1981 | 131   | 2.7   | CT     |
| K6H  | DJ6QT  | DJ2YA    | RW9UP  | N6DA   | 411376  | 2353 | 112   | 1.6   | CT     |
| K6K  | UT5UGR | UT4UZ    | S59L   | KG6FR  | 398399  | 1863 | 127   | 1.3   | CT     |
| K6F  | IT9BLB | IT9VDQ   | UA9BA  | KM6OH  | 385280  | 2000 | 128   | 3.1   | CT     |
| K6B  | 9A9A   | 9A3GW    | G3SXW  | AB6YL  | 383166  | 1886 | 126   | 1.2   | CT     |
| K6Q  | VE7NTT | VE7CC    | K0KR   | WM6R   | 362440  | 1546 | 130   | 0.4   | TR     |
| K6E  | HA0MM  | HA0DU    | AA6XZ  | KK6PH  | 357885  | 1759 | 135   | 4.0   | CT     |
| K6M  | GI0NWG | G3OZF    | K4XU   | WB6JJJ | 357094  | 1884 | 132   | 3.0   | CT     |
| W6Z  | VK5GN  | VK2AYD   | RU1AA  | W6NA←  | 343604  | 1822 | 124   | 2.2   | TR     |
| W6J  | SP6AZT | SP9FKQ   | K6NA   | K6LM   | 330876  | 2023 | 117   | 2.4   | CT     |
| W6L  | UN4L   | UN2L     | W7YAQ  | KM6AV  | 309518  | 1796 | 121   | 4.9   | CT     |
| K6L  | SP9HWN | SP9IJU   | JA7RHJ | W6ISO← | 298178  | 2149 | 97    | 3.7   | CT     |
| W6N  | I4UFH  | I2VXJ    | KC7V   | KE6KXO | 269028  | 1728 | 106   | 3.3   | CT     |
| W6M  | PY0FF  | PY5CC    | S56M   | AB6CJ  | 231066  | 1580 | 99    | 2.6   | CT     |
| W6C  | IN3QBR | IT9TQH   | K8AZ   | AA6LY  | 185070  | 1615 | 93    | 5.0   | CT     |
| W6F  | OH2IW  | OH1JT    | KT3Y   | AG6D   | 530000* | 2100 | 155   | 1.2   | TR     |

\* approximate score, damaged log file: , , , , , , ,

← PAARA member QTH

### Demonstration Teams (alphabetically by callsign)

| Call | Op#1  | Op#2  | Judge | Host  | QSOs | Mults | S/ware |
|------|-------|-------|-------|-------|------|-------|--------|
| AH3C | YL2KL | YL3DW | WZ6Z  | WZ6Z  | 1591 | 140   | CT     |
| AH3D | BA1OK | BA4RC | OH2BH | W6JZU | 1913 | 120   | paper  |

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# AUGUST

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