

PAARAgraphs



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



CALENDAR

- | | | | |
|--|----|-----------------------------------|--------|
| Mar | 2 | PAARA Meeting | |
| | | 7:00–9:30 | |
| | | Menlo Park Rec Center | |
| | | 700 Alma Street | |
| | | Menlo Park, CA 94025 | |
| Mar | 7 | Board Meeting | 7:00pm |
| | | Red Cross Bld., 400 Mitchell Lane | |
| | | Palo Alto | |
| <i>(due to Parking Lot problems location may change, check net before Bd. meeting)</i> | | | |
| April | 6 | PAARA Meeting, | 7:00pm |
| April | 11 | PAARA Board Meeting, | 7:00pm |
| May | 4 | PAARA Meeting, | 7:00pm |
| May | 9 | PAARA Board Meeting, | 7:00pm |



President's corner



At last month's PAARA meeting we talked about a new initiative to have a regular series of events such as tours sponsored by our club. These would be something where members would have a unique opportunity to see exciting technologies up close and personal which might otherwise not be easy to see. Our very first tour is in the planning stages now and is likely to be a visit to a commercial television station transmitter shack in the area. More details will be provided as our plans evolve. I'd like to thank **Elaine, WA6UBE**, who graciously volunteered to be our coordinator for these events. It is really great to have the support of another PAARA volunteer to make this happen. It is with the support of the membership that we can bring things like this to you. If you have ideas for events or tours that might be of interest to our membership, please don't hesitate to contact me, Elaine, or any board member. Our contact information can be found in each edition of PAARAGraphs.

Speaking of events, PAARA is contemplating an operating event for our 70th anniversary. It was suggested to me at the last PAARA meeting that we consider activating one of our local interesting islands which could also be considered for IOTA (Islands On The Air) credit for those who collect island stations. I think this is a great idea, but, as always, we need your help to coordinate such an effort. If you are interested in helping out with getting something like this together, please contact me or any PAARA board member.

As you might have heard at the last PAARA general meeting, the bylaws committee has submitted their first draft of the new bylaws to the PAARA board. The board generally liked the revised bylaws, however, there were a few small changes which have since been completed by the committee. The bylaws will be resubmitted to the board at the next board meeting and I expect that they will be accepted. After that they will be submitted to the general membership for approval. Stay tuned for more details. A great big thanks go out to the following past and present bylaws committee members: **Ron, W6AZ, Adrianus, W6AJS, David, W6DH, Gerry, N6NV, Joel, KD6W, and Peter, K6WEB.**

A special thanks again to our February speaker: **Gary, AD6FP.** His 47GHz moonbounce record was an amazing achievement. Talk to you all again next month.

NEXT MEETING

March 2, 2007



SPEAKER and PROGRAM:

Brian Yee, W6BY will present

"The Ressurrection of Comsat Earth Station"

Miscellaneous Info

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 Al, 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.electronicfleamarket.com/>

LIVERMORE SWAP MEET. Now in Robertson Park, Livermore, every first Sunday of the month, 7 am to 11:30 am. Free admission for buyers. For further info, see: www.larkswap.com or contact Ian Parker, W6TCP at swapmeet@livermoreark.org

PAARA Palo Alto Amateur Radio Association

meets 1st Friday 7:30pm each month, Net 145.230 each Monday 8:30,
contact: <http://PAARA.org/> or Terry Finn, AA6T, 650-366-9111

FARS Foothills Amateur Radio Society

meets 4th Friday 7:30pm each month
contact: <http://www.fars.k6va.org/>

NCDXC Northern California DX Club

meets 3rd Thursday 7:30pm each month,
repeater for member info 147.360, Thur 8:00PM
contact: <http://ncdxc.org/> or Mike Gavin W6WZ, (650) 851 8699

NorCalQRP Northern California QRP Club

meets 1st Sunday each month
contact: <http://www.norcalqrp.org/>

SPECS Southern Peninsula Emergency Communication System

meets each Monday 8:00pm on Net 145.27, 440.80 MHz
contact: <http://specsnet.org/> or Tom Cascone, KF6LWZ, 650-688-0441

SCARES South County Amateur Radio Emergency Service

meets 3rd Thursday 7:30pm each month, San Carlos City Hall.
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, 442.425+ (pl 107.2) Thur.
meets 2nd Mon each month @ 7:30 PM.
contact: <http://www.qsl.net/scacara/> 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

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: 441.35 (+5.0 88.5) ctcss
147.39 (+600) 151.4 ctcss 1286.20 (-12m) 100.0 ctcss
223.96 (+1.6) 156.7 ctcss

meets 3rd Wed every month.
contact: <http://wvara.org/>, Bill Ashby N6FFC, 408-267-3118, N6FFC@Juno.com, or N6FFC@ARRL.NET

DISASTER SERVICES

American Red Cross, PALO ALTO AREA CHAPTER

400 Mitchell Lane
Meets 3rd Wed. each month 7:30PM
HF, packet, BBS, ATV, OSCAR Gateway, NASA satellite.
contact: <http://paarc.org/> or Mac Millian 650-688-0423, MACM@paarc.org

American Red Cross, SANTA CLARA VALLEY CHAPTER

contact: <http://santaclaravalley.redcross.org/> or Scott Hensley KB6UOO, (408) 967 7924
fshenslev@Novell.com

(please send changes to PAARAgaphs editor: k6uro@arrl.net)

LIFE MEMBERSHIP

Awarded by Action of the PAARA Board

Ron Panton, W6VG July 2003

Joe Gomes, KB6HDC May 2004

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

Officers

President.....	Kristen McIntyre, K6WX kristen@alum.mit.edu	510-703-4942
Vice President.....	Joel Wilhite, KD6W joel.wilhite@gmail.com	650-325-8239
Secretary.....	David Ungar, W6DH ungar@mac.com	650-255-2131
Treasurer	Ron Chester, W6AZ w6az@arrl.net	408-243 2221

Directors

Past President.....	Terry Finn, AA6T terry@incognitoservices.com	650-366-9111
Director ('07).....	Gerry Tucker, N6NV n6nv@arrl.net	650-326 4908
Director (07).....	Andreas Junge, N6NU n6nu@arrl.net	650-233-0843
Director ('08).....	Doug Teter, KG6LWE kg6lwe@arrl.net	650-367-6200
Director ('08).....	Rob Riley, KG6HVW (cell) kg6hvw@arrl.net	650 799-1607

See the calendar for Board meeting times. Visitors are welcome.

Appointed Positions

Membership.....	Vic Black, AB6SO ab6so@smrn.com	650-366 0636
Database.....	Rick Melrose K6RDM k6rdm@arrl.net	408-732-2247
Chaplain	Rev. Rick Line, KG6TMD kg6tmd@arrl.net	650 323 8544
Station Trustee W6OTX, K6YQT, W6ARA....	Gerry Tucker, N6NV	
Station Trustee K6OTA....	Ron Chester, W6AZ	
Property Manager	Gerry Tucker, N6NV	
Fund Raising Coordinator .Bob Korte, KD6KYT	rgk4u@aol.com	650-595 1842
Badge Coordinator.....	Doug Teter, KG6LWE kg6lwe@arrl.net	650-367-6200
Raffle Coordinator.....	Jim Rice, K6AK	650-851-2274
Ticket Master.....	Kyle Rice, KG6MSK	
Field Day Coordinator.....	Gerry Tucker, N6NV	
ASVARO Rep	Rolf Klibo, N6NFI n6nfi@arrl.net	650-856-2748
Webmaster	position vacant	
Technical Coordinator.....	Joel Wilhite, KD6W..... joel.wilhite@gmail.com	650-325-8239.
QSL Manager.....	Rob Riley, KG6HVW (cell) kg6hvw@arrl.net	650 799-1607
Events Coordinator.....	Elaine Gibbons, WA6UBE wa6ube@arrl.net	
Speaker Coordinator.....	Joel Wilhite, KD6W joel.wilhite@gmail.com	650-325-8239

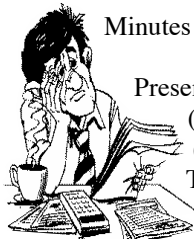
PAARAgaphs Staff

Editor.....	Wally Porter, K6URO k6uro@arrl.net	650-494 7038
Guest Editorials.....	Terry Finn, AA6T	650-366-9111
Photography: Dick Kors, KM6EP, Al Montoya, WB6IMX, John Larribeau, KR6MR, Wally Porter, K6URO, Mark Cohen, K6EF		
Advertising	Terry Finn, AA6T aa6t@arrl.net	650-366-9111
News	Terry Finn, AA6T	650-366-9111
Member Profiles	Terry Finn, AA6T terry@incognitoservices.com	650-366-9111
Technical Tips	Vic Black, AB6SO ab6so@smrn.com	650-366 0636

Have you paid your 2007 dues?

BOARD OF DIRECTORS MEETING.

Minutes for PAARA Board meeting 2-7-07



Present were Vic Black AB6SO, Steve Sabram KI6FYG, Ron Chester W6AZ (Treasurer), Terry Finn AA6T (Director, past President), Elaine Gibbons WA6UBE, Rick Melrose K6RDM, Kristen McIntyre K6WX (President), Wally Porter K6URO, Rob Riley KG6HVW (Director). Adrianus Schrauwen W6AJS, Doug Teeter KG6LWE (Director), Gerry Tucker N6NV and David Ungar W6DH (Secretary).

The meeting was called to order at 19:10, but not everyone listed above was present at that time. At 19:45, enough Board Members had arrived to form a quorum.

The treasurer's report stated that the last raffle was a great success, in part thanks to **Vic Black's** prize donation.

The Board accepted the minutes of the previous meeting.

The funds collected for **Daniel Rogers**, son of silent key **David Rogers, K5DKR**, have been sent. Daniel will be attending a future meeting, where we will have a small ceremony.

Membership cards need to be printed and handed out.

Elaine Gibbons has volunteered to be the PAARA tour event coordinator and various possible tours were discussed.

PAARA's relationship to the Palo Alto Red Cross was discussed.

Steps are underway to improve the club's web site, and **Steve Sabram** has volunteered to be the club's official webmaster. The Board expressed its appreciation to **Al Montoya WB6IMX** for his service as interim webmaster. **Terry Finn, Steve Sabram, and Rob Riley** were appointed as the Web Site Committee.

The Board also discussed how to fill the new position of club historian.

The Board discussed the upcoming PAARA-sponsored flea market in July and PAARA's need for volunteers, including to help set up early in the morning.

70th anniversary activities will include an operating award, sponsored by **Ron Chester**.

The Bylaws Committee presented its report, and the draft bylaws were sent back to committee for polishing.

The meeting adjourned at about 20:45.

~David Ungar, Secretary

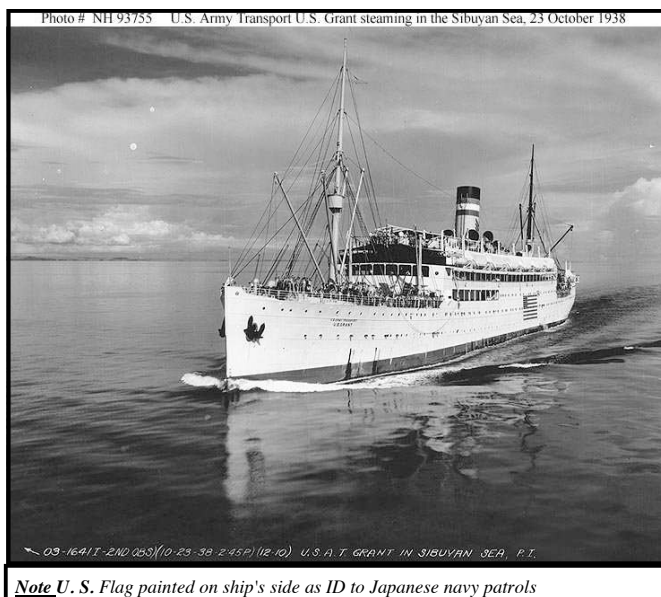
A CW SEA STORY

USAT *U.S. Grant* (Transport, 1919-1941).
Named *Madawaska* until 1922

The U.S. Army Transport *U.S. Grant* (of 9410 gross tons) was originally the German commercial steamer *König Wilhelm II*, built at Stettin, Germany in 1907. She served as USS *Madawaska* during and after World War I and was transferred to the War Department in early September 1919. Initially retaining that name as a U.S. Army Transport, she carried Czechoslovak troops from Siberia to Europe in 1920. Modified at New York for regular Army trooping service in 1921-1922, she was renamed *U.S. Grant* in June 1922.

The ship thereafter operated on trans-Pacific service to the Philippines and China, with return voyages via the Panama Canal to New York. Breaks in this schedule took place when she was laid up for a year in the mid-1920s, and later in the decade when she was extensively refitted at the Mare Island Navy Yard, California. She ran aground at Guam on 19 May 1939, but was safely gotten afloat two days later after a considerable effort. In June 1941 USAT *U.S. Grant* was turned over to the Navy. Placed in commission as USS *U.S. Grant* (AP-29), she served through World War II, completing her final voyage in November 1945. Returned to the War Department soon afterwards, she was transferred to the U.S. Maritime Commission and laid up in 1946. *U.S. Grant* was sold for scrapping in February 1948.

"A detailed report of the event was sent by radio to Headquarters, U. S. Army Philippine Department, Manila. As a primitive gesture to military security, and because more sophisticated techniques were unavailable, Grant's captain and radio officer composed the 750-word message in open plain text, then transmitted it **backward** from signature to heading. It was **Vibroplexed by hand** to Army Signal Corps radio station WTA, where it was copied "on the mill" by an operator and duly "decoded".



PAARA PRESIDENT APPOINTS



PAARASITE PROMOTER.

PAARA President **Kristen McIntyre, K6WX**, has appointed PAARA member **Steve Sabram, KI6FYG**, to the new position of PAARAsite manager or webmaster. Steve will take the contents of both paara.org and paara.net and put it all together with new photos and information that will accurately reflect the mission and

activities of our radio club. Special activity sections of the web site will be available for members to view and possibly submit articles upon when this new system is up and running. The PAARA President also appointed PAARA members **Terry Finn, AA6T**, and **Rob Riley, KG6HVW**, to serve on a committee to assist Steve with content material and operational instructions.

The PAARA Board of Directors noted that PAARA member **Al Montoya, WB6IMX**, has been handling the up-dating and operation of paara.org for many months. He will continue to handle this huge chore until Steve is ready to unveil the new paarasite web site. Thank you Al, for all of your help and continued technical support of our radio club.

~Terry Finn. AA6T

PAARA VE's WILL OFFER

FCC LICENSE UP-GRADES AT THE NEXT MEETING.

Yes, it is a true story. There will be a special PAARA only FCC license up-grade team available at the very next PAARA general meeting on March 2/07 @ 7 PM. This has been approved by the Sunnyvale VEC, **Gordon Girton, W6NW**: who has authorized the Redwood City VE team to offer up this rather special service just for PAARA members & their guests at the meeting.

As many are now aware, the FCC has withdrawn the element one portion of the radio testing known as CW or Morse code skills. As a result, many hams may now up-grade their licenses easily (known as a paper up-grade) if they have a current CSCE proving they have passed the written exam on element 3 or 4, general or extra class, within the last twelve months.

Please note, that the VE team is not offering exam testing at this special event, only a paper up-grade to your radio license if you qualify. Please see the PAARAsite at www.paara.org for answers to any questions that you may have regarding this special event for PAARA.

The leader of the Redwood City VE team is **Al Montoya, WB6IMX**. He will be assisted by certified examiners **Terry Finn, AA6T**; **Mike Gavin, W6WZ**; **Stan Towle, WA6ZGI**; **Ron Carmichael, NC6U** and **Larry Max, KG6UXG**. Thanks to all of these PAARA members & VE's who are once again offering up their professional services to our radio club.

~Terry Finn. AA6T.

PAARA RAFFLE ACCEPTS NEW DONATIONS.

The ever popular monthly PAARA raffle, which is exceptionally well run by our very own PAARA member **Jim Rice, K6AK** and his son, the ticket master, **Kyle Rice, KG6MSK**, has actually been doing rather well for our club coffers. Although the actual numbers are considered proprietary and only discussed at the PAARA Board meetings, we can tell you that this activity is very well received by the attendees of the monthly meetings.

One noteworthy item that many participants may not be aware of is the fact that many of those brand new, in the box, raffle prizes are actually donated to the PAARA raffle by PAARA members and other generous hams. For example, last month the radio and the Heil microphone were donated by **Vic Black, AB6SO**. The Heil microphone in the March raffle was donated by **Terry Finn, AA6T**. Donations such as these are so very helpful for PAARA as it assists the club in keeping our costs and expenses under control.

Should you have a brand new, in the box item that you wish to contribute to the PAARA raffle, please contact **Jim Rice, K6AK**, and make arrangements to get it to him for addition to the extensive line up of incredible prizes. A big thank you goes out to all of those generous contributors over the past several years.

~Terry Finn. AA6T.

Training

The Menlo Park Fire Protection District is beginning the fourth year of Citizen Emergency Response Team training. The first six week session will begin at 6:30pm on Thursday, 15 March at the Menlo Park City Counsel Chambers located at 701 Laurel Street in Menlo Park. Refreshments are provided. This session is already filling up and may have a waiting list. All interested persons should contact Carol Parker at 650-688-8415 to register or obtain further details of CERT sessions. You may also register online at www.menlofire.org/cert, select "schedule"; select "Click here to sign up." at the bottom of the page.

There are more two sessions scheduled for later this year.

"Grab-and-Go" bags containing hard hats, CERT vests, gloves, goggles, gas shut off wrench, and pocket lights are given to the graduates. This is an exciting new opportunity for citizens to be trained for emergencies of any type and enabling them to help their families and neighbors in their own neighborhoods or where they work. Each sessions consists of six modules covering items like Basic Disaster Skills, Light Search & Rescue, Communications, Team Skills & Management, Medical, Emergency Mitigation & Awareness. These are just some of the skills shared along with exercises to practice what is presented. Each evening is designed to instruct, excite, demonstrate and exercise individuals in emergency disaster preparedness. The CERT Motto is "**Do the most good for the greatest number of people**".

The training team of instructors is very dedicated to providing the very best training possible. Many are volunteering their time, energy and experience to assist our community in disaster preparedness. For any questions or to sign up individuals or groups, contact Carol at 650-688-8415 or go to www.menlofire.org/cert or e-mail cert@menlofire.org

ZCZC AG08 QST de WIAW ARRL Bulletin 8 ARLB008
From ARRL Headquarters Newington CT February 9, 2007

To all radio amateurs

SB QST ARL ARLB008 ARLB008 FCC Now Processing **Amateur Radio Vanity Call Sign Backlog**

The FCC has resumed processing new Amateur Radio vanity call sign applications. An initial stab at whittling down the backlog began February 8 -- five weeks to the day after the Wireless Telecommunications Bureau (WTB) issued the last vanity call sign prior to the resumption. The Commission stopped processing new vanity call sign applications received on or after December 18 while it readied the Universal Licensing System (ULS) vanity application software to accommodate a December 15 rule change to discourage the filing of multiple applications for the same call sign. The FCC has continued to accept new vanity applications and to process vanity renewals. A WTB staff member, speaking on background, told ARRL the Commission could be back on track by next week.

"We've resumed processing, and by next week we'll be caught up," said the staffer, who conceded that the FCC's ULS software had not been fully tested to ensure it could deal with the multiple-applications issue when the new rule's December 15 effective date rolled around. "We knew the date was coming, but the software wasn't quite ready." The Commission could complete processing of applications that have been sitting in the queue as early as February 12.

As of February 9, the WTB appeared to have granted some 125 vanity call sign applications submitted between December 18 and December 22. Another 500 or so applications remain in the queue.

The FCC this week also issued a public notice to announce the formal implementation of the multiple applications rule, 97.19(a)(1), effective February 8. The notice said the ULS would limit individuals to filing only one vanity call sign application on the same day.

"In the case where an applicant files multiple vanity call sign applications on the same day, only the first-filed application will be considered for the process, and the additional applications will be dismissed," the FCC said. "This new process will eliminate the possibility of an applicant having more than one application for the same call sign being considered on any one day."

The Commission is likely to receive an avalanche of new vanity call sign applications after February 23, when elimination of the Morse code examination requirement is expected to spur a massive influx of license upgrades.

The FCC is processing new vanity call sign applications now in the queue in the order they were received. Typically, it takes 18 days from the time the FCC receives a vanity application until the call sign is issued—or the application is denied. The current vanity call sign fee, payable for new applications as well as renewals, is \$20.80 for the 10-year license term. NNNN /EX

~Info from Terry AA6T

FEBRUARY 23, 2007 SK Morse? Code (1837-2007)

Alfred Vail (1807-1859) is the true inventor of Morse code, as we know it today. The invention of the Morse code is generally attributed to Samuel F. B. Morse. Have we been misled by historians?

Samuel Finley Breeze Morse was born in Charlestown, Mass. on 27th April 1791. He was not a scientist - he was a professional artist. Educated at Phillip's Academy at Andover, he graduated from Yale in 1810 and he lived in England from 1811 to 1815, exhibiting at the Royal Academy in 1813. He spent the next ten years as an itinerant artist with a particular interest in portraiture. He returned to America in 1832 having been appointed Professor of Painting and Sculpture at the University of the City of New York. It was on this homeward voyage that he overheard a shipboard discussion on electromagnets. This was the seed out of which the electric telegraph grew. Morse is remembered for his Code, still used, and less for the invention that enabled it to be used, probably since landline telegraphy eventually gave way to wireless telegraphy.

From 1837 Morse gave the telegraph his full attention, having set up in partnership with Alfred Vail, Professor Leonard Gail, and congressman F O J Smith. Vail provided funds and facilities at the family ironworks, and Smith legal expertise. There's an irony, therefore, that disagreements with Vail led to litigation; Vail provided funds for lawyers, too. The telegraph was eventually patented in Morse's name alone, an event granted by the US Supreme Court in 1854. Morse's decision to abandon painting was possibly due in part to his failure in 1836 to secure a commission to paint the Rotunda of the Capitol building, a commission he had expected.

The telegraph invented by Morse in 1832, and described in his caveat of 1837, has nothing in common with the essentials of the modern system of telegraphy which is known in the United States as Morse's; nor is the code of alphabetical signs now universally used in telegraphy throughout the world the same, either in principle, or in construction.

It is also important to remember that the code of conventional signals which had been devised by Morse, and which, in connection with his machine, he proposed to use for the transmission of intelligence, were numerical and not alphabetical. According to his scheme, a specially prepared dictionary was required in which every word in the English language was represented by an arbitrary number. A separate type represented each numeral, having a corresponding number of projections or teeth. We reproduce a specimen of telegraphic writing by this numerical code. The numbers refer to words in the telegraphic dictionary. They are translated by counting the points at the bottom of the line, and then, by referring to the dictionary, the corresponding words are found and the

(Continued on page 31) Morse Code

PAARA 70th ANNIVERSARY **W6AZ Worked All States Challenge**

In celebration of the 70th Anniversary of PAARA and to encourage operating on the ham bands, the club Treasurer, Ron W6AZ, has issued a challenge to club members to participate in an operating game he is sponsoring.

The last such PAARA club competition was a race to see who would be the first to work all states on CW starting on November 1, 2002. W6AZ won that game by working all states in 71 days, using a simple NorCal Doublet antenna in his attic and only five watts output on all but three of the QSOs. He won a NorCal 2030 QRP rig as the prize for his accomplishment.

The new game will award a handsome *Anniversary WAS* certificate to members who work all states during the PAARA 70th anniversary year. Among those who accomplish this feat, one will also be declared the **W6AZ WAS Challenge Winner**. This will be the first member to complete his/her Anniversary WAS with the added requirement that the 50 qualifying QSOs must include at least five CW contacts.

All those working all states will receive the Anniversary WAS certificate, and the Challenge Winner will be awarded an additional prize by W6AZ. The prize to be awarded will be announced by Ron at the March club meeting. It will be ham equipment which it is hoped will inspire lively competition among many.

Here are the rules for the W6AZ Worked All States Challenge.

Purpose: To encourage ham operating activity by PAARA members during the 70th Anniversary of the Association.

Goal: For each participant to work all 50 US states by ham radio.

Activity period: The game will begin immediately after the March 2007 club meeting and will run until 2/15/08, the 71st anniversary of PAARA. The game will be suspended during the 24 hours of Field Day.

Eligibility: Only PAARA members are eligible to win awards. For any QSO to count toward the member's Anniversary WAS, it must be made when the member's PAARA dues are paid in full.

Band/mode: Any authorized bands and modes may be used, but no contacts through terrestrial repeaters or over the Internet (e.g. Echolink) are allowed.

Output power: The transmitter output power on all QSOs is not to exceed 150 watts, the club's power limit at Field Day each year.

Operator: All 50 qualifying QSOs must be made by the same operator, using the same callsign.

Club callsigns: A member may use a club callsign, with the permission of the station Trustee, but any award earned would list that club callsign.

Submissions: Logbook submissions must be made electronically, via e-mail to W6AZ, showing the 50 QSOs in state alphabetical order. Each entry must give the US state, date, GMT, callsign worked, band, mode, and power out. Contacts during Field Day are not allowed in these submissions.

Verification: QSLs are not required. The operator is expected to only claim QSOs in which the US state of the other station was determined by way of a two-way exchange by ham radio.

Results: W6AZ will announce all results and present all awards at regular club meetings, as they are earned. PAARAgaphs will also print the results.

Awards:

Certificates: Every PAARA member providing a complete logbook submission will receive an Anniversary WAS certificate, numbered according to the order in which members accomplish this feat.

Challenge Prize: The first member to complete the Anniversary WAS, with at least five states worked on CW, will be declared the Challenge Winner and will be awarded an additional valuable prize.

Administration: W6AZ will administer the game and his decision on the awards earned is final. W6AZ is not eligible to win the Challenge Prize, but he may earn an Anniversary WAS certificate.

Tell those being worked about PAARA, our 70th anniversary and the game we're playing. Let's all have some fun with this one!

Ron Chester, W6AZ



W6AZ holding the first production run NorCal 2030 rig

(Continued from page 29) Morse Code communication translated.

On the 29th, Morse went to Speedwell for a few days, partly to observe the progress of the new machinery, and partly with the intention of painting the portraits of the members of Judge Vail's household, in fulfillment of a commission which had been given him. Where he met Alfred Vail.

Alfred Vail had planned to join the Presbyterian Church on graduating from New York University, until illness forced him to change plans and invest his future in the telegraph instead. He bought a stake in Samuel Morse's telegraph, and agreed to build the system's hardware and secure the American and foreign patents. After Morse returned to New York, Alfred Vail and his young assistant, William Baxter, were engaged night and day in pushing forward the construction of the new machinery.

Alfred was singularly modest and unassuming, while Professor Morse was very much inclined to insist on the superiority of his own plans and methods - if for no other reason; because they were his own. As we all looked upon him with the respect due to a professor, we were at first quite willing to defer submissively to his dicta. It resulted from this, that the first machine which was constructed at Speedwell was substantially a copy of the original model, although constructed of metal, in a more symmetrical and practical form.

As we become acquainted with Morse it becomes evident to us that his mechanical knowledge and skill were limited, and his ideas in matters relating to construction of little value. As the weak points in the apparatus were one after another developed, Alfred began to draw upon the resources of his own wonderful power of invention in substituting practical and commercially valuable mechanical combinations for the more or less impracticable designs of Morse.

The system had some problems printing out messages clearly, so Vail devised improvements. They didn't solve everything, and he was forced to create a completely new printing mechanism - and a new code to make it work. Alfred's brain was at this time working at high pressure, and evolving new ideas every day. He saw in these new characters the elements of an alphabetical code by which language could be telegraphically transmitted in actual words and sentences, and he instantly set himself at work to construct such a code. His general plan was to employ the simplest and shortest combinations to represent the most frequently recurring letters of the English alphabet, and the remainder for the more infrequent ones. For instance, he found upon investigation that the letter e occurs much more frequently than any other letter, and accordingly he assigned to it the shortest symbol, a single dot(.). On the other hand, j, which occurs infrequently, is expressed by dash-dot-dash-dot (-.-.) After going through a computation, in order to ascertain the relative frequency of the occurrence of different letters in the English alphabet, Alfred was seized with sudden inspiration, and visited the office

of the Morristown local newspaper, where he found the whole problem worked out for him in the type cases of the compositor.

This was the first time 'Morse' code was created using dashes and dots, which actually wasn't much like Morse's original code at all. So in fact the true inventor of Morse Code was Vail, but Morse - being the better-known partner and personality - kept the glory himself!

~Al Montoya WB6IMX



PAARAgaphs Editorial.

Volunteer: "One who enters into any service or hazardous undertaking, of his own free will." (from Funk & Wagnall's standard desk dictionary, volume 2 (N-Z) 1975.)

No wonder we can not seem to find any new people to assist with the operations of our local radio club. It is clearly because of this idea that it could be a hazardous undertaking. I wish that I had known about this description several years ago when I was trying to round up just a few good volunteers to help with the annual electronics flea market during the month that we (PAARA) sponsor it and the annual Field Day activities during the last weekend of June.

So, it becomes clear that we shall ask our PAARA members to offer, give, provide, proffer, donate, tender, present, submit, suggest, propose, contribute, furnish, supply or even bestow their best personal services upon our radio club for these two important events that are coming up again this year. (from the Doubleday, Rogget's Thesaurus 1987). That way we do not have to worry about any of our PAARA members entering into a hazardous undertaking. They shall simply be happy to offer up their valuable time and donate it to the PAARA activities for the overall good of our little radio club. Right ?

~Terry Finn. AA6T.

Police radio jamming suspect faces judge

12:39 PM CST on Wednesday, February 14, 2007

From 11 News Staff Reports

A man accused of jamming Houston police radios for more than a year made his first court appearance Wednesday.

Michael McCollum is accused of repeatedly using a Ham radio to interrupt radio traffic and using profanity and racial slurs.

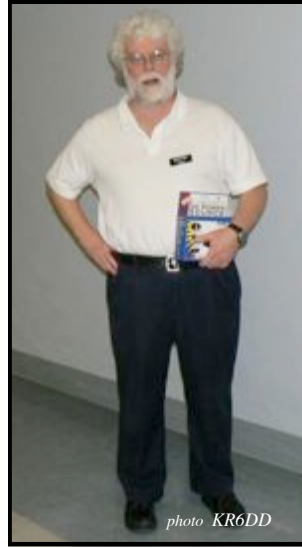
McCollum is charged with felony possession of a weapon because police say he had a loaded gun when they pulled him over Monday morning.

He could also face federal charges.

Congratulations: February 2nd, 2007 PAARA Raffle Prize Winners



Elaine Gibbons (WA6UBE), Mark Foster (KI6DHU), Bill Young (KC6VWO)



Tom Walsh (K1TW)

The PAARA March 2nd meeting will be very exciting. The PAARA raffle will celebrate giving out the 100th radio since Feb. 03. The Rices will supply a large cake for everyone to enjoy at the break. Check out the attached HRO flyer and notice there are some great raffle prizes.

I want to thank Terry Finn for his generous March PAARA raffle donation of the Heil Dual Element HM-10 Mic. That will help the raffle a lot!

Thanks Terry!
 Best Wishes from the Rice's
 ~Jim K6AK

Congratulations: February 2nd 2007 PAARA Raffle Prize Winners

- 1st Prize: Bill Young KC6VWO / Yaesu FT-1802M / 2m Mobile / 50W / Extended Receive Range
- 2nd Prize: Mark Foster KI6DHU / Yaesu VX-150 / 5W / 2m / HT / with Extra Battery
- 3rd Prize: Elaine Gibbons WA6UBE / Heil Dual Element HM-10 Microphone
- 4th Prize: Tom Walsh K1TW / Samlex SPS-1204 Ultra Light 13.2 Volt Switching Power Supply
- 5th Prize: Doug Teter KG6LWE / DX World Map / Laminated / 36" X 24"
- 6th Prize: Elaine Gibbons WA6UBE / DT830B Digital Multimeter
- 7th Prize: David Ungar W6DH / Icom Hat
- 8th Prize: Elaine Gibbons WA6UBE / 2007 NARCC Repeater Directory

PAARA Members and Visitors: THANK YOU FOR YOUR SUPPORT of the exciting monthly raffles! Since Feb. 03, 100 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

Those who pull winner tickets **Congratulations: February 2nd 2007 PAARA**



8 Megan (no call yet), 7 KG6JQT, 6 KG6QCY, 5 KI6FHU, 4 KF6BXG, 3 KI6HRC, 2 KI6FXW, 1 KI6HKP

PAARA March 2nd 2007 Meeting
PAARA “The Friendliest Club Around”
Palo Alto Amateur Radio Association, Inc.

www.paara.org

Date and Time: Friday, March 2nd at 7 p.m.

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

Welcome Members and Visitors / Raffle Prizes:

“100th Radio Celebration” *since February 03*

FIRST PRIZE: YAESU FT-2800M #100 Raffle Radio

2m / 65W / Mobile



Huge Easy To Read Display
One-touch WIRES Internet Linking Access Capability
Special Memory Bank For NOAA Weather Broadcast Channels
Backlit Microphone Keypad
Smart Search Loads Active Frequencies

SECOND PRIZE: Yaesu VX-170 2m Transceiver
5 Watt / FM / Huge LCD Display



Wide Coverage Receiver

- Submersible 30 Minutes @ 3 Feet
- Long Life Battery 7.2 V / 1400 mAh NiMH
- Huge LCD Display
- Outstanding Receiver Audio

THIRD PRIZE: Heil Dual Element HM-10 Microphone

FOURTH PRIZE: Red Cross FR250 AM/FM/SW Emergency Radio /LED/ Cell Charger

FIFTH PRIZE: MFJ Clear Tone Speaker / Improves Speech / Reduces Noise, Static, Hum

SIXTH PRIZE: World Radio 1-Year Subscription

SEVENTH PRIZE: ARRL 06-07 Repeater Directory

EIGHT PRIZE: ARRL Amateur Radio Station Log

Since February 2003, 100 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

**VE's WILL OFFER
 FCC LICENSE UPGRADE
 AT NEXT MEETING.**

As many are now aware, the FCC has withdrawn the element one portion of the radio testing known as CW or Morse code skills. As a result, many hams may now upgrade their licenses easily (known as a paper upgrade) if they have a current CSCE proving they have passed the written exam on element 3 or 4, general or extra class, within the last twelve months.

After midnight of the 23rd of February 2007, an applicant holding a valid Certificate of Successful Completion of Examination (CSCE) for Element 3 (General) or Element 4 (Amateur Extra) credit may redeem it for an upgrade at a Volunteer Examiner Coordinator (VEC) exam or upgrade session. A CSCE is good for 365 days from the date of issuance, no exceptions. A license upgrade is NOT automatic for those holding valid CSCEs for element credit. You must apply for the upgrade at a VE session, and you may not operate as /AG or /AE until you have upgraded and have been issued a CSCE marked for upgrade. A valid CSCE for element credit only does not confer any operating privileges.

A VE special upgrade session will be held at the next PAARA General Meeting on the 2nd of March. The VE team is comprised of PAARA members from the Redwood City VE Team. Please note, that the VE team is not offering exam testing at this special event, only a paper upgrade to your radio license if you qualify.

Bring CSCE, Amateur License, two forms of ID, and ten dollars. Once a new CSCE is issued showing the upgrade, you may operate with a /AG or /AE suffix to your call until it shows in the FCC database. Normally, we can have it updated in one working day (Monday).

~Al Montoya WB6IMX

(See WWW.PAARA.ORG for details)

FYI

Your Exam on March 2nd, (Friday) the new call signs will arrive on Monday. TNX & CUL Gordon, W6NW

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, or at General meetings
(this includes changes in Membership or Family Membership)

Join us for pre-meeting eyeball

at Su Hong Restaurant

1039 El Camino Real, Menlo Park

Food will be served at 5:30 sharp, so guests will be on time for the PAARA meeting. Those arriving late will be responsible for their own order and bill.

PAARA Radio NET

every Monday evening at
 8:30 P.M., local time

on the 145.230 -600 MHz repeater, PL tone off

HAM FEST

at

ANGELINO'S RESTAURANT

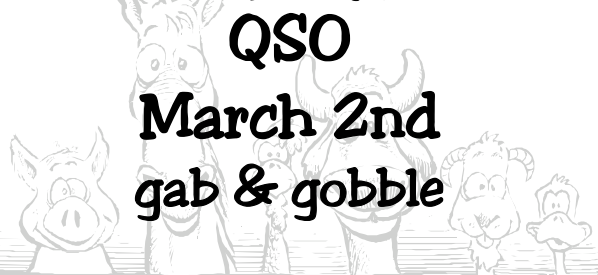
3132 Williams Road, at Winchester Blvd.

2:00 PM

Second Sunday each month

www.Angelinosrest.com

Join us for pre-meeting eyeball



QSO
March 2nd
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!

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 st Mon.	Pink Foster, KG6ILA
2 nd Mon.	Peter Sheerin, K6WEB
3 rd Mon.	Doug Teter, KG6LWE
4 th Mon.	Terry Ridgeway, N6ZAG
5 th Mon.	Doña Kerns KI6DAR

Want and For Sale ads in PAARAgaphs are FREE to members



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.

MADONNA'S BAIL BONDS
 Ayudamos a la Comunidad Hispana
 REDWOOD CITY — 650-366-9111
 SAN FRANCISCO — 415-495-2245
 SAN JOSE — 408-266-2245
TERRY FINN CA License # 1A38965 AA6T
 234 Marshall Street, UPSTAIRS #3 Redwood City, CA 94063-1550

W6AZ


 Ron Chester
 Santa Clara
 (408) 243-2221
 Ron@taxhelp.com
 Tax Preparation & QuickBooks Consulting - Ham discount

Name & Call Badges
 Now available with your QTH

 To order contact our Badge Coordinator
Doug Teter, KG6LWE
 At any meeting or kg6lwe@arrl.net

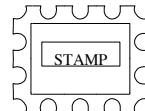
A SMALL CHURCH WITH A BIG HEART
REV. RICK LINE, KG6TMD
 SENIOR PASTOR
 PASTOR@FIRSTBAPTIST.COM

FIRST BAPTIST CHURCH OF MENLO PARK
 FRIENDLY • BIBLICAL • CARING
 1100 MIDDLE AVENUE
 MENLO PARK, CA 94025
 TEL: 650-323-8544
 FAX: 650-323-8546
 WWW.FIRSTBAPTIST.COM

VENUS CAFE

 CAPPUCINO • LATTE • MOCHA
 CROISSANTS • MUFFINS • PASTRIES
 BREAKFAST • SANDWICHES • BURGERS
 ICE CREAM • SHAKE • FLOAT
 2655 Broadway Ave (At El Camino Real) • Redwood City • Ca. 94063
 Telephone: (650) 368-9200

PAARA Web/WAP site
<http://paara.org/>

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, AF6TF



PAARAgraphs — March 2007

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

FIRST CLASS MAIL



PAARA 70th ANNIVERSARY

W6AZ

Worked All States

Challenge

See page 30

12 STORE BUYING POWER



KENWOOD



TS-2000 HF/VHF/UHF Transceiver
• 100W HF, 50W VHF, 50W UHF
• 100% duty cycle, 20 modes
• 100% duty cycle, 20 modes
• Backlit front key panel
Low Intro Price!



TH-D7A(G) 2M/440
• 20W/40W Dual Band
• 40W/40W
• AFSS Compatible
• 200 Modes, CTCSS
• V-C-H Messaging Control
Low Pricing!



TM-D700A 2M/440 Dualband
• 50W VHF, 50W UHF • Chirp, Voice Synthesizer
• Receiver: 118-1500 MHz (can be blocked)
• Remote Head (not only for 440MHz)
• 200 Modes, CTCSS
• Advanced APSS Features
• DVX remote control
• 100% Duty Cycle
Low Intro Price!

SUNNYVALE, CA

510 Lawrence Exp. #102, 94085
(800) 854-6046
Rick Mingo, Co-Mgr.
Howard Wehrod, Co-Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

OAKLAND, CA

2210 Livingston St., 94608
(800) 854-6046
Mark Witzyn, Mgr.
1-800 at 23rd Ave. ramp
oakland@hamradio.com

ICOM



IC-705MKIIA HF/VHF Transceiver
• All modes HF/50/20V/20M
• 100% Duty Cycle
• AFSS • Single and Fly Filters • No Switching
• Easy-to-configure menus
Low Pricing!



IC-755 PRO III All mode Transceiver
• 100% Duty Cycle
• 20W/40W
• Enhanced 5th order FTN algorithm (scope)
• 200 Modes, CTCSS
• Multiple DSP, combined ADF scope
• 101 assignable memories
The Ultimate Radio!

ALINCO



J-196T 2M/HT
• 5 Watt net
• Analog/Digital
• CTCSS & DCS built in
• 100% Duty Cycle
Low Pricing!



DR-135TP 2M mobile
• 50 Watts
• 100% Duty Cycle
• Front Panel GPO's in • New RS-94 port
• 100% Duty Cycle
Low Pricing!

YAESU



VX-7R
• Wideband RX
• 100 Watts
• 144-147.5 MHz
• 144-147.5 MHz
• 100 Watts
• 100 Watts
• 100 Watts
Great Price!



FT-857D
• 100W HF/50W VHF/50W UHF
• 100% Duty Cycle
• 200 Modes
• 200 Modes
• 200 Modes
Call for Low Price!



FT-1000MP MKV HF Transceiver
• Enhanced Digital Signal Processing
• 100W HF/50W VHF/50W UHF
• 100% Duty Cycle
• 200 Modes
Low Pricing!

GOAT TO GOAT FREE SHIPPING
Get More Than One 118
Send Performance From
The Store nearest to You!

Sunnyvale, 510 Lawrence Exp. #102 (408) 854-6046