PAARAgraphs



Celebrating 71 years as an *active* ham radio club—*Since 1937* The **Palo Alto Amateur Radio Association**, Inc.

CALENDAR

Jan......4, PAARA Meeting, 7:30 Menlo Park Recreation Center 700 Alma Street, Menlo Park

Jan......9, **PAARA Board Meeting**, 7:30
Red Cross Bld., 400 Mitchell Ln., Palo Alto
Jan......25, PAARA/FARS Winter Banquet

Mar.......7, **PAARA Meeting**, 7:30 Mar.......12, **PAARA Board Meeting**, 7:30

NEXT MEETING



SPEAKER

January 4, 2008

and PROGRAM:

Joel Wilhite KD6W

Amateur Fast Scan Television (ATV)

What is ATV and how does it work. This presentation will provide a brief overview of the current systems used and what the future holds. The PAARA Tour to KNTV opened up pandoras box as all sorts of questions came up about the future of amateur television with regard to the impending analog TV shut off in the broadcast industry in Feb 2009. Joel will share his unique perspective and try to explain some of the complexities and challenges with developing a state of the art DATV application.

President's corner

~Kristen McIntyre, K6WX



January 08

Even though I'm preparing this for the January issue of PAARAGraphs, it's not quite 2008 as I write this column. I'm eagerly awaiting Christmas and the celebration of the New Year. I'd like to take this chance to wish all of you and your families a Merry Christmas,

Happy Hanukah, and any other greetings of the season for whatever you may celebrate. I also wish you a happy, healthy and productive 2008.

This has been a blockbuster year for the Palo Alto Amateur Radio Association. We have had a great lineup of speakers, a top tier Field Day entry, two incredible PAARA sponsored tours, the PAARA sponsored ASVARO Electronics Flea Market, PAARAFest, and a year of raffles that cannot be beat. We wound the year up with our Dream to Reality Raffle IV, put together by Jim, K6AK, who puts together all of our fantastic PAARA raffles each month. Behind the scenes, we have passed a new set of bylaws, handled a large number of donations to the club, and debated a number of key issues to strengthen the club for the future. Our newsletter editor Wally, K6URO, has also continued to put out PAARA-Graphs monthly. We have the best newsletter of any club around and we deliver a paper copy of it to your door each month. Very few clubs still do that and we are happy to provide that as just one more personal touch from "the friendliest club around."

Speaking of that Dream to Reality Raffle, it was incredible and if you missed our December general meeting then you really missed something. We gave away an Elecraft K3 to **Peter, K6WEB**. As some of you might know, Peter had not yet upgraded to a license class where he could take full advantage of that radio's capabilities. I'm pleased to tell all of you that Peter has upgraded to General class as of Saturday, December 15th at the Redwood City examination session. Congratulations Peter!

At that meeting we also had a great talk by **Tom**, **N6BT**, on his experiences with antennas and DXpeditions. It was lots of (Continued on page 3) president's corner

Celebrating 71 years as an active ham radio club—Since 1937

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.electronicsfleamarket.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 2nd Friday 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 ClaraCounty 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/sccara/ or Clark Murphy KE6KXO 408-262-9334 ARRL/VEC license testing contact 408-507-4698

SVECS Silicon Valley Emergency Communications

Operates AA6BT repeater (146.115 MHz+)

contact: http://www.svecs.net/ or Lou Stierer WA6QYS 408 241 7999

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

147.39 (+600) 151.4 ctcss 441.35 (+5.0 88.5) 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

American Red Cross, SANTA CLARA VALLEY CHAPTER

contact: http://santaclaravalley.redcross.org/ or Scott Hensley KB6UOO, (408) 967 7924

fshensley@Novell.com

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

LIFE MEMBERSHIP

Awarded by Action of the PAARA Board

Ron Panton, W6VG July 2003

Joe Gomes, KB6HDC SK

Leslie Vickery, KB6HDC SK

* *************

Palo Alto Amateur Radio Association, Inc.

PO Box 911 Menlo Park, CA 94026

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650-366 0636

650 325 8239

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	n6nv@arrl.net	
Director (09)	Byron Beck KG6UO	B, 408-735-8604
	kg6uob@arrl.net	

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

Appointed Positions

MembershipVic Black, AB6SO

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Joel Wilhite, KD6W

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Member Profiles	Terry Finn, AA6T	650-366-9111
Technical Tips	Vic Black, AB6SO	650-366 0636
_	ab6so@smrn.com	

BOARD OF DIRECTORS MEETING.

~David Ungar W6DH, PAARA Secretary

Attending were:

Kristen McIntyre K6WX, Doug Teter K6LWE, Wally Porter K6URO, Rick Melrose K6RDM, Rob Riley K16INR, Ron Chester W6AZ, Gerry Tucker N6NV and David Ungar W6DH. We had a quorum. Meeting was called to order at 7:30

pm December 12, 2007, at the American Red Cross, Palo Alto, California.

The President reported that we had a very good meeting in December, with approximately 100 people in attendance. **Jim Rice K6AK** received a big **Thank You** from the Board for conceiving of giving away an Elecraft K3, doing the raffle, and arranging for a great speaker. **Doug Teter KG6LWE** of the Election Committee reported that the winners were:

Kristen McIntyre K6WX for President, Joel Wilhite KD6W for VP, Ron Chester W6AZ for Treasurer, David Ungar W6DH for Secretary, Byron Beck KG6UOB for Director '09, and Gerry Tucker N6NV for Director '09

Doug Teter KG6LWE '08, **Rob Riley KI6INR** '08, continue on for their second years as two-year Directors.

The minutes of the last meeting were accepted by acclimation. There then ensued a discussion about the contents of past and future minutes. In the interest of objectivity, I will not detail this further. The matter was tabled.

Future speakers were discussed, as well as our upcoming SLAC tour. **Rick Melrose K6RDM** reported that the club has approximately eight or nine new members.

Next, we took up the matter of the club's TV and VCR. **Chuck Johnson N6VFH**, past PAARAGraphs editor, has volunteered to store these and even put them to good use in the cause of Amateur Radio. The Board agreed that the club had no further use for these. The Board then passed a motion to donate the TV and VCR to **Chuck Johnson N6VFH**.

We took some time to appreciate several recent equipment donations to the club. I do not have the details, but these folks will be acknowledged and thanked.

The Dream To Reality raffle was a great financial success and the extra money puts the raffle in a good financial position for the new year.

The proceeds from last year's FARS/PAARA banquet have not made it into our coffers yet, but members of the Board are making sure that they will.

Space has been secured at the Menlo Park Rec. Center for next year's meetings. The first Friday in July 2008 is the 4th, and so the meeting will be moved to another week that month.

The meeting was adjourned at 8:30.

~ David / W6DH

(Continued from page 1) president's corner

fun and Tom has a really fun speaking style which delighted the audience. In addition to all of this we had our election for the 2008 PAARA leadership team. I'm pleased to announce that Joel, KD6W, will be returning as Vice President, David, W6DH, as Secretary, and Ron W6AZ as treasurer. We also elected Gerry, N6NV, and Byron, KG6UOB, as directors for the year. I'm pleased to welcome most of you back for another year of guiding our club and I'm looking forward to working with Byron this year. Oh, I almost forgot, yours truly will be back again as your humble President. Thanks in advance for your support next year.

An interesting issue came up at the board meeting this month regarding the board meeting minutes which initiated a vigorous discussion of the role of the Secretary, how, if, and by whom the board meeting minutes are reviewed, and the transparency of information flow from the board to the membership. I'm hoping that this will be an opportunity to clarify how we want to communicate with all of you and better understand the role of the club officers. The discussion is ongoing and we will be returning to this topic at the January board meeting.

I wanted to remind everyone about one of my favorite events which is coming up very soon. On the first of January at 0000z (31 December at 1600 PST) ARRL Straight Key Night starts. This is a fun and casual CW operating event where participants are encouraged to just chit-chat with other operators using a straight key, if possible. Often you can hear vintage gear on the air and often can catch a QSO with **K6KPH**, the maritime station where we had our first PAARA tour. I usually just chat with a couple of people with my small American Morse key, but I have great time. If you haven't operated CW before, this is a great opportunity to get your feet wet and have fun while doing it.

In closing I want to thank all of the people who made 2007 a wonderful year in which to have been your president. I am so proud of the job all of you have done and of everything we have done this year. I can't wait to start 2008 and I look forward to your continuing participation in PAARA.

GUD DX to you for 2008.

Milam County presses ham radio into service

By Jeanne Williams - Telegram Staff Writer

Published December 17, 2007

CAMERON - Hurricane Rita was the impetus that propelled Franklin Stewart from his comfortable pose as local VFW commander and oil company retiree into the minuteman role as volunteer amateur radio communications leader for Milam County's Homeland Security Department.

Before the hurricanes of 2005, Stewart leisurely used his amateur radio skills to visit other ham operators across the United States, and mused at the opportunity to chat with the Space Shuttle crew via his desktop transmitter in Cameron.

Susan Reinders, Milam County's homeland security director, knew about Stewart's ham radio hobby, and recruited him into service when Hurricane Rita threatened the Texas coast and appeared to be headed toward Central Texas.

Stewart set up his antenna and ham radio set at the Milam County

(Continued on page 5) Milam County

Celebrating 71 years as an active ham radio club—Since 1937

PAARA / FARS 2008

Holiday Banquet Speaker

January 25th 2008 For more info: http://www.fars.k6ya.org/events/banquet



MARTIN A. "Marty" Knutson

Marty's first Amateur Radio license was General Class, W0BBV dated 5/23/47. He is using a Collins KWM-2A that is converted to solid state, and also has a Collins 30L-1.

Marty Knutson was in the initial group of six USAF pilots "hired" by the CIA in 1955 for their covert U-2 program. This group was the first to deploy overseas. Knutson flew many missions, including Soviet overflights, during his service with the CIA. He retired from the U.S. Air Force as a Lieutenant Colonel in 1970.

In 1971 Marty joined NASA at the Ames Moffett facility as manager of the Airborne Instrumentation Research Project. This enabled him to continue flying the U-2's assigned to NASA for high altitude research. From 1975 to 1984 he served as Chief of the Airborne Missions & Applications Division at NASA Ames.

In 1984 he became Site Manager of the Ames-Dryden Flight Research Facility located at Edwards Air Force Base. He was responsible for the conduct of aeronautical flight research with some of the most advanced aircraft in this country. His responsibilities included the X-29 Forward Swept Wing program and operation readiness for landings of the Space Shuttle. From December 1990 to February 1997 Knutson served as Chief of Flight Operations for NASA's Ames Research Center. There he was in charge of flight research/test operations, modifications and maintenance on a variety of advanced rotorcraft and powered-lift vehicles. Other duties included conduct of airborne experiments utilizing a fleet of science and applications aircraft as national facilities for earth system sciences and infrared astronomical observation.

His awards include the Meritorious Service Medal and the Distinguished Flying Cross from the USAF, the Intelligence Star (twice) from the CIA, and NASA's Outstanding Leadership Award. He has received other NASA and Presidential honors and is an Associate Fell of the Society of Experimental Test Pilots (inactive). He was awarded NAA's "Elder Statesman of Aviation" in 2003.

Marty has logged more that 8,000 hours of flight time, most of which are in high performance single engine jet aircraft. In twenty-nine years of flying all versions of the U-2 for the CIA and NASA he has accumulated about 4,000 hours in that aircraft. To cap his flying career, just before his 67th birthday, Marty flew the SR-71 at Mach 3.2 in a test flight at the request of NASA after retiring from NASA in 1997.

Until her death in 2006, he was married to the former Jeanine Lucas of Paris, France. The Knutson's resided in Los Altos Hills, California and their four children reside in various locations elsewhere in the United States. Knutson was born in Minneapolis, Minnesota on May 31, 1930.

License Study Session

A one day study session for Technician or General Class Amateur Radio License

Date: Jan 12, 2008 **Time:** 8:00am - 5:00pm

Where: Dianne Feinstein Elementary School in the Sunset District

of San Francisco.

Email: wb6zbu AT arrl.net
Contact: Ross Peterson, WB6ZBU

Fee: \$30.00

Register: baears.com **Sponsored by:**

San Francisco Fire NERT (sfgov.org/site/sfnert)

SEMINAR & EXAM: AMATEUR ("HAM") RADIO

Amateur Radio ("Ham") License & Communications Course. Study to pass a 35-question, multiple-choice FCC exam (no Morse code) to get a radio license to use certain frequencies in a disaster.

Dates: Tuesdays Jan. 15, 22, 29 & Feb. 5 (exam night)

Time: 6:30pm - 9:00pm

Where: Menlo Park Fire Sta. 77: 1467 Chilco St. Email: Ken Dueker: kdueker AT powerflare.com

Fee: \$35.00

[make check payable to "Menlo Park Fire Protection District"]
[please bring your check to first class and give to Carol Parker]
Please write your phone # and e-mail address on the check

Register: Email Ken Dueker kdueker AT powerflare.com Advise if

you also wish to attend the Emergency Comm class.

Material: The ARRL Ham Radio License book will be provided for

Instructors: David Fichou (Menlo Fire ARES) & Ken Dueker (Palo Alto P.D.) will be provided for this class.

This course is open to the public but is designed for Community Emergency Response Team (CERT), Red Cross, and other emergency volunteers, including first responders. There is a maximum of 35 students for this class (priority for disaster volunteer members).

Sponsored by:

Menlo Park Fire Protection District CERT:

(www.menlofire.org/cert)

EMERGENCY COMMUNICATIONS CLASS

This class is designed for CERT members, ham radio operators, neighborhood teams, and others who want to learn about communications in a disaster. Covers all radio and communications systems, including Ham, FRS, police, fire, etc. You don't need a ham license for this class, but it is preferred.

What: Emergency Communications Course for Ham Radio &

CERT

Date: Tuesday, Feb. 12, 2008 **Time:** 6:30pm - 9:30pm **Where:** TBA (Menlo Park area)

Email: Ken Dueker: kdueker AT powerflare.com

Fee: FREE

Bring: Your radio(s) & instruction manuals for them **Register:** Email Ken Dueker kdueker AT powerflare.com

Instructors: David Fichou (Menlo Fire ARES) & Ken Dueker (Palo

Alto P.D.) will be provided for this class.

Sponsored by:

Menlo Park Fire Protection District CERT:

(www.menlofire.org/cert)

40 years and counting

Ten-Tec has been great member of community in its four decades

In our rush to bring in more industry and create more jobs, we sometimes overlook the companies already here that are making products, giving people jobs and being good citizens, with very little fanfare or recognition. Ten-Tec Inc. has been in operation for nearly 40 years. The Sevierville company, which makes items mostly for the ham radio users but also supplies government agencies with communications equipment, has been at it here since 1968. Next year will mark its 40th anniversary as a good corporate citizen and job producer in Sevier County.

Over the four decades the company's records show close to 1,000 people have been employed at one time or another. Many of the current employees have been with Ten-Tec for almost as long as the company has been in business. Inside the tan brick building facing Sevier County High School on Dolly Parton Parkway, some 70 employees are making sophisticated components and equipment for amateur radio operators as well as government agencies.

In the face of intense overseas competition, Ten-Tec has survived and flourished in part because of its attention to detail. Every piece of equipment - not just every 50th or every 100th like many makers of electronics - is inspected and tested before it leaves the building. Those who buy from Ten-Tec know they are getting a quality item, backed by an American company that guarantees its excellence. With so many electronic items made overseas these days, it's refreshing and encouraging to know some of them continue to be produced in this country, and right here in Sevier County.

Each September Ten-Tec hosts thousands of ham radio enthusiasts from all over the country, who gather on the lawn of the Sevierville plant and tour Ten-Tec to see the latest products and how they are made. They buy and sell their own equipment and talk about their exciting and interesting hobby. That's a convention that surely benefits the community in the way a trade show at the events center or Gatlinburg Convention Center would.

We must never take for granted the companies that do business in our community. While there always should be an effort to attract new employers, ignoring or disregarding those who are already here is unfair and unwise. That doesn't suggest Ten-Tec has been ignored or taken for granted, but how many long-time Sevier County residents even knew what was being made behind the brick walls of this company's production facility, how many people worked there or who buys what they make?

Congratulations, Ten-Tec, for your contributions to the economy of Sevier County. Not many businesses can claim to have been in operation four decades, especially those that manufacture products. May the next 40 years be just as prosperous, for you and for Sevier County.

Ham Radio's Technical Culture

Kristen Haring

Decades before the Internet, ham radio provided instantaneous, global, person-to-person communication. Hundreds of thousands of amateur radio operators--a predominantly male, middle- and upper-class group known as "hams"--built and operated two-way radios for recreation in mid twentieth century America. In *Ham Radio's Technical Culture*, Kristen Haring examines why so many men adopted the technical hobby of ham radio from the 1930s through 1970s and how the pastime helped them form identity and community.

Ham radio required solitary tinkering with sophisticated electronics equipment, often isolated from domestic activities in a "radio shack," yet the hobby thrived on fraternal interaction. Conversations on the air grew into friendships, and hams gathered in clubs or met informally for "eyeball contacts." Within this community, hobbyists developed distinct values and practices with regard to radio, creating a particular "technical culture." Outsiders viewed amateur radio operators with a mixture of awe and suspicion, impressed by hams' mastery of powerful technology but uneasy about their contact with foreigners, especially during periods of political tension.

Drawing on a wealth of personal accounts found in radio magazines and newsletters and from technical manuals, trade journals, and government documents, Haring describes how ham radio culture rippled through hobbyists' lives. She explains why hi-tech employers recruited hams and why electronics manufacturers catered to these specialty customers. She discusses hams' position within the military and civil defense during World War II and the Cold War as well as the effect of the hobby on family dynamics. By considering ham radio in the context of other technical hobbies--model building, photography, high-fidelity audio, and similar leisure pursuits--Haring highlights the shared experiences of technical hobbyists. She shows that tinkerers influenced attitudes toward technology beyond hobby communities, enriching the general technical culture by posing a vital counterpoint.

Kristen Haring is a visiting scholar in Columbia University's Department of History. She holds degrees in mathematics from the University of Pennsylvania and the University of North Carolina at Chapel Hill and a PhD in history of science from Harvard University. Haring's work has been recognized by the Society for the History of Technology, which awarded her the IEEE Life Members' Prize in Electrical History for portions of *Ham Radio's Technical Culture*. She has served on the board of directors of the Keith Haring Foundation since its creation by her brother in 1989.

(Continued from page 3) Milam County

Courthouse's homeland security headquarters in Cameron to ensure emergency management officials could communicate if the storm struck.

"Everything I came across in state and regional planning stated that amateur radio is the backup system for communications and we didn't have a radio," Mrs. Reinders said. "Mr. Stewart brought in his equipment and set up his antenna in the courthouse yard."

Celebrating 71 years as an active ham radio club—Since 1937

WHEELING

— Creating friendships across the globe, local ham radio operators are communicating cross-culturally, and even helping to bring tourism into the state.

On Saturday, the National Association for Amateur Radio Northern Panhandle Club began broadcasting information about Oglebay Park's Winter Festival of Lights around the world. The service will continue every day from 9 a.m. to 9 p.m. today through Saturday.

Amateur radio, often called ham radio, is both a hobby and a service that uses various types of radio communications equipment to communicate with other radio amateurs for public service, recreation and self-training. A participant is called an amateur radio operator, or a ham.

Hams take part in wireless communications with each other and often support their communities with emergency and disaster communications while increasing their personal knowledge of electronics and radio theory.

"This is the seventh year we have done this for Oglebay Park," said club president John Green. "We talk to people all across the world who have been to the lights. We tell people about the lights and how it's been here since 1985. The more tourism we get in West Virginia the better."

Green said the best part about promoting the Winter Festival of Lights is contacting people who have already been to Wheeling — who live in another part of the world.

"You make friends all around the world," Green said. "I am on the ham radio every day. It's part of my life. Many of our spouses and kids are 'hams."

Operator Paul Scott said hams like to think of themselves as being there to help "when all else fails."

"Amateur radio exists because it's a service," Scott said.

Joe McCreedy, secretary, agreed and said ham radio operators do a lot during disasters in the area. Dedicating himself completely to ham radio operating, McCreedy has spoken to other operators in more than 100 countries and on every continent. "We do a lot of public service work," McCreedy said. "A lot of people in emergency services right now are getting their ham radio license."

An estimated 6 million people throughout the world are regularly involved with amateur radio. In the Wheeling area, 20 dedicated members make up the Northern Panhandle club.

Many of the members have been involved with the hobby since the 1960s.

PAARA Radio NET every Monday evening at 8:30 P.M. local time on the 145.230 –600 MHz repeater, PL tone off

Congratulations: December 7th 2007 "Dream to Reality Raffle IV" PAARA Raffle Prize Winners

- 1st Prize: Peter Sheerin / K6WEB / Elecraft K3 / HF- 6m / Ultra-High Performance Transceiver
- 2nd Prize: Rick Line / KG6TMD / Heil "Heritage" Studio Mic
- 3rd Prize: David Ungar / W6DH / Heil "The Traveler" Headset and Cable
- 4th Prize: George Golda / WA6NKM / American Red Cross / FR-250 AM/FM/SW Emergency Radio
- 5th Prize: Rob Riley / KI6INR / Ferrico EMC Test and Design Kit (100 Piece) Split Ferrite Filters
- 6th Prize John Cameron / KG6MSM / ARRL 2008 Handbook with CD-Rom
- 7th Prize: Bill Young / K6VWO / Galaxy-880 Telescopic Dual Band High Gain Antenna
- 8th Prize: David Ungar / W6DH / Ultimate DX World Map / 24" X 36"
- 9th Prize: Tom Schiller / N6BT / ARRL Desktop Repeater Directory 2006-2007 + Shake Flashlight
- 10th Prize: George Golda / WA6NKM / World Radio 1 Year Subscription + FCC Part 97 Rules

PAARA Members and Visitors: THANK YOU FOR YOUR SUPPORT of the exciting monthly raffles! Since Feb. 03, 111 Radios, including an Elecraft K3, 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 had a remarkable year in 2007! If you aren't a member, please join PAARA now, and experience fun 2008 events with the "friendliest club around."

~K6AK Jim



PAARA January 4th 2008 Meeting

SPEAKER: Joel Wilhite, KD6W

PROGRAM: Fast Scan Television: "The Past, Present, and Future"

PAARA "The Friendliest Club Around"

Palo Alto Amateur Radio Association, Inc. www.paara.org
Date and Time: Friday, January 4th at 7 p.m.

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

Welcome Members and Visitors / Raffle Prizes:



FIRST PRIZE: YAESU FT-2800M 2m / 65W / Mobile

- Huge Easy To Read Display
- Special Memory Bank for NOAA Weather Broadcast Channels
- Backlit Microphone Keypad
- Smart Search Loads Active Frequencie



SECOND PRIZE: Yaesu VX-150/64B 5 Watt 144 MHZ HT with 2 Ni-Cd Battery Packs

- Exceptional Receiver Performance
- Clear Transmit Audio
- Illuminated Keypad
- Die-Cast Aluminum Housing

THIRD PRIZE: Red Cross / FR-250 / AM/FM/SW Emergency Radio / with Flashlight

FOURTH PRIZE: ARRL HF Digital Handbook FIFTH PRIZE: Power Pole Connector / PS-4

SIXTH PRIZE: CQ 2008-2009 Amateur Radio Calendar SEVENTH PRIZE: World Radio 1 Year Subscription

EIGHT PRIZE: ARRL Desktop Repeater Directory 2006-2007

NINTH PRIZE: Sterling Deluxe Wire Stripper

Since Feb. 03, 111 Radios, including an Elecraft K3, 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!

Celebrating 71 years as an active ham radio club—Since 1937

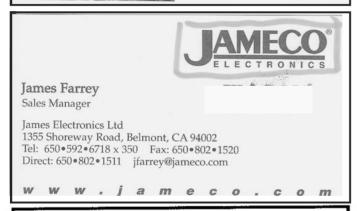




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A Picture Worth MORE Than 1000 Words



Name & Call Badges

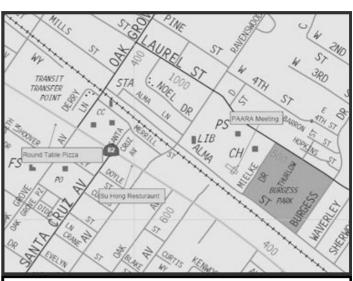
Now available with your QTH



To order contact our Badge Coordinator

Doug Teter, KG6LWE

At any meeting or kg6lwe@arrl.net



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 PAARAgraphs \$6 for each additional family member (no newsletter). Make payment to the Palo Alto Amateur Radio Association, P.O. Box 911, Menlo Park, CA 94026-0911

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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** 1st Mon. Pink Foster, KG6ILA 2^{nd} Mon. Peter Sheerin, K6WEB 3rd Mon. Doug Teter, KG6LWE 4th Mon. Terry Ridgeway, N6ZAG 5th Mon. Doña Kerns, KI6DAR

Join us for pre-meeting eyeball

QSO January 4th qab & 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

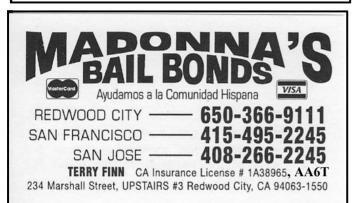
across from Kepler's Book Store on El Camino Real Walking distance from Caltrain!

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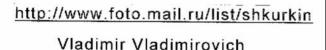
PAARA members are encouraged to purchase an annual advertising space in the PAARA newsletter, commonly known as PAARA-graphs. This space is the size of a regular business card and only costs \$60.. annually. The money really assists our Association in producing and mailing the finest printed radio club 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 PAARA-graphs. Remember that this little publication is distributed to many hams and ham radio supporters who will read it cover to cover. Simply contact the PAARAgraphs representative, Terry Finn, AA6T, at:

aa6t@arrl.net or 650-366-9111 to submit an ad.



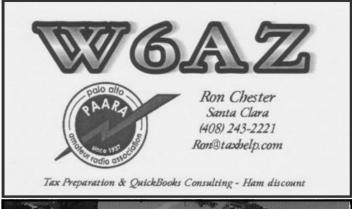




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	Rick Melrose K6	RDM, 408-732-2247, k6rdm@arrl.net	
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PAARAgraphs Ad Rates

PAARAgraphs accepts paid advertisements from non-members. (short personal ads remain free for members in good standing). All ad rates listed are per issue 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 PAARAgraphs editors reserve the right to reject any ad deemed to be not in the best interest of the Association.

All fees payable in advance by the year with "scanner-ready" copy or text-only ads. Give payment and copy to Terry Finn, AF6TF



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