

**W6OTX****W6ARA**PAARA NEWSLETTER  
VOLUME 66, NUMBER 5, May 2015**K6OTA****K6YQT**

# PAARAgraphs



The Official Newsletter of the

**Palo Alto Amateur Radio Association, Inc.**Celebrating 78 years as an *active* amateur radio club—Since 1937

## An Experimental 630M WSPR Station Richard Webber, WR6J

Richard will tell us how to build a 630m WSPR (Weak Signal Propagation Reporter) station operating under the FCC's Part 5 license. The 630M band is destined to become an Amateur Radio band in the near future and understanding the propagation characteristics and how to build stations provides useful experience. The station comprises an Ultimate3 exciter kit, two home-brew tube amplifiers and an antenna with a large loading coil. He will also cover WSPR and the design and implementation of the station.

### Bio

Richard grew up in England and remembers making a small crystal radio receiver with his father in his childhood. He came to the US permanently in 1990. Richard's interest in amateur radio was rekindled in 2002 when he upgraded to Extra with his new callsign, WR6J. Richard's interest in HF DX led to his achieving DXCC. This particular interest revolved around HF antenna modeling, design and construction. Most recently he has taken a deeper dive into digital modes and weak signal propagation.

### Upcoming Events

- May 1 PAARA General Meeting, 7:00 PM  
Cubberly Community Center, Room H-6  
400 Middlefield Rd, Palo Alto
- May 20 Board Meeting, 7:00 PM  
Everyone welcome! Round Table  
Pizza Parlor in Menlo Park
- June 27-28 Field Day



## President's Corner

May 2015



Compared to last month, it's been pretty quiet at the Friendliest Club Around. We had a great meeting in April, which followed our trip to the Computer History Museum. While there isn't a specific event coming up in May, we are rapidly approaching two more big things: the PAARA sponsored ASVARO Flea Market and ARRL Field Day. Don't forget to order Field Day tee shirts for 2015. The Maker Faire is coming up soon, and there will be ham testing there. Oh, and in case you were wondering, Jim, K6AK, is fine.

While we often move the month we sponsor the ASVARO Electronics Flea Market when it falls in June, we decided this year to leave it as is. I've found that doing the Flea Market in July is pretty difficult since we're all worn out from Field Day. My guess will be that doing it beforehand will be easier than after, so the board decided to leave it on June 13th. We'll have to do our best to make sure that our Field Day Coordinator, Doug, KG6LWE, doesn't get worn out before FD, so I hope you'll all pitch in and give us a hand with the Market. We will need volunteers for setup, tear down, selling food items, shopping, and cleanup patrol. Those of you who have volunteered in the past will be getting nag-

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## HAVE 3 WATTS, WILL TRAVEL

### The joy of /MM QRP and other things

Hiroki Kato, AH6CY  
 ah6cy@arrl.net

Part 1

*(excerpts from my log)*

Aug. 21, 2014 — Day 4, near Ornes, Norway  
 66°06'N, 17°29'E

My wkg cndx: KX3 and MP-1, 3 watts

1435Z 14250KHz S51ZZ Snt 59+ Rvd 57  
 Vojko. Slovenia nr Italian border

1510Z 14266KHz 9A/IZ3GNG Snt 59 Rvd 55  
 Klk island, Croatia

1830Z 14266KHz SV3GLL Snt 59 Rvd 57  
 Zag Peloponnesus, Greece

Aug. 22, 2014. Day 5, near Tromso, Norway  
 69 degrees34'N 18degrees46'E

my wrkg cndx: KX3 and MP-1, 3 watts

1432Z 18121KHz KB0OS Snt 59 Rvd 57 his rig  
 TS590 1200w TH11DX

1435Z 18121KHz OL150FIRE Snt 59 Rvd 59  
 Special event; Fireman org in Czech

1505Z 14247 YL2014W Snt 59 Rvd 56 Riga  
 Special event x

1510 14221 EW6GF Snt 59 Rvd55 Arki

1847 14034 R7AX Snt 599 Rvd 239 hard con-  
 tact

### **M/S Finnmarken**

I was on board M/S Finnmarken of the Hurtigut-  
 ten Nowegian Coastal Voyage company. It was  
 a seven-day cruise from Bergen to Kirkenes,  
 the north-easternmost town in Norway in the  
 Arctic. Finnmarken is a working cruise ship that  
 can accommodate 1000 passengers, half of  
 whom are tourists and the other half local Nor-  
 wegian residents who travel from one town to  
 another in the fjords, many of which are inac-  
 cessible by car or railway. The ship makes over  
 30 stops, sometimes only for 15 minutes in the

middle of the night when most passengers are  
 asleep. The ship also ferry cars.

My wife and I have taken many cruises since  
 the 1990s, including trips in the Baltic ocean,  
 the Aegean Sea, the Mediterranean, the Antarc-  
 tic, the Caribbean and trans-Atlantic voyages.  
 This Norwegian coastal cruise that we took last  
 summer was one of the best so far, not the least  
 of the reasons being that I had a great time op-  
 erating QRP maritime mobile. Over the course  
 of the seven-day voyage I worked more than 30  
 stations representing most of the major Europe-  
 an countries and a few Ws. In addition to hav-  
 ing advantage of being an /MM station (more on  
 this below) the band condition throughout my  
 time on board was exceptionally favorable. I  
 really felt that Cycle 24 was having the rare sec-  
 ond sun spot peak. At times I could hear Ws  
 and JAs on the 17 and 20 meter bands at the  
 same time. The only continent I didn't hear at  
 all was Africa.

Cruising on a large boat has recently become a  
 very popular form of vacation travel worldwide  
 and there is reason to believe that it will become  
 even more so in the near future. As a friend of  
 mine joked (not so un-seriously), a cruise ship is  
 a much better alternative to an old folks home  
 or assisted living facilities; meals, laundry ser-  
 vice, movies, shows, gym, swimming pool, med-  
 ical service, library and even adult education, let  
 alone gambling opportunity casino-style, are all  
 available on board. The senior citizen popula-  
 tion has been getting larger and larger world-  
 wide and I have been noticing more and more  
 "super" senior passengers on board, some of  
 whom are handicapped, in a wheel chair, with a  
 cane or a walker. Young families with small  
 children (and even dogs), too, are increasingly  
 finding cruising a cost-effective, "user-friendly"  
 and much less stress-causing way of taking a  
 family vacation. Cruise ships are offering more  
 and more kids-friendly services and facilities,  
 such as a play ground, a toy room and a big-  
 screen video room showing programs for chil-  
 dren. For single senior citizens, on some ships  
 there are professional dance partners available

*(Will Travel — Continued on page 3)*

*(Will Travel — Continued from page 2)*

to rent for free (I have only seen male variety of the species. That makes sense considering there are more widows than widowers in this world and on cruise ships. By the way, one such "professional" dance partner-for-rent told me that he travels free on cruise ships in exchange for his service.) Some cruise lines, such as the Disney Cruise, specifically target families with children, though, I hear, people without children find it enjoyable on these cruises, too.

Unfortunately, however, cruise ships are generally not friendly to hams. More often than not, cruise operating companies specifically, and in fine print, forbid ham operations on board. Some companies tell you that whether you can or cannot operate ham radio is up to the boat's captain and the company requires that you obtain a written permission from him/her before you come on board. In other words, even for the same cruise lines or for the same cruise ship your chances of being able to operate ham radio on board vary, depending on who is captaining a particular ship. My own experience of writing a letter (they don't accept email, nor do they release the captain's email address) seeking such permission has mostly been met with a negative response. In fact, you would likely receive a form rejection letter from one of the vice presidents in charge of customer relations (Why is everyone a vice president?)

On one of the cruises I took I became friendly with the ship's radio officer who happened to be a ham and he invited me to visit the radio room and let me play with the ship's equipment. Such occurrences are rare, of course. On another cruise, someone posted on the ship's community bulletin board proposing a get-together for hams on board; four hams showed up and we had a blast. Meetings of interest groups of all kinds, such as knitting and private pilots, on large cruise ships are common. It is not surprising that there are a few hams on any ship when there are a few thousand people traveling together. (Some boats carry as many as 4500 passengers at a time today.)

Under the prevailing, generally ham-UNfriendly

circumstances on cruise ships, some hams have been driven to resort to a "stealth" mode of operation, i.e., you just operate ham radio discreetly, out of sight from other passengers, practicing the old ham philosophy: don't ask for permission but be prepared to offer apology after the fact. This "don't ask, don't tell" strategy has actually worked well for some hams, I know. I have not heard a single case where a ham who operated his/her radio without permission had his/her equipment confiscated or was ordered off the boat, despite a fine print warning to that effect.

I personally believe that the current restrictive policy of most cruise companies is unwarranted and anachronistic. We know there is no technical reason that a cruise ship needs to prohibit low power ham operation on board. Some companies allow and even encourage bringing FRS hand-held radios, the kind of walkie-talkies you can buy at Fry's and Target, to facilitate communication between family members. (Isn't the FRS a low power radio, also? What about a cell phone? Isn't that a radio, too? Cell phones, by the way, work on most cruise ships, though ships charge you extra fees.) But the same companies that allow FRS radios may not allow QRP ham operations. I have never heard a single instance where an FCC certified, commercially produced QRP transceiver, like Yaesu's FT-817 or ICOM's IC-703 or a VHF/UHF HT manufactured by any known companies, caused interference with a ship's navigational or communication system. I can understand that an unfiltered, not well designed home-brew QRO radio may cause a wide band splatter and indeed create problems, like one of my home brew AM transmitters of my high school days 50 years ago (I could hear myself through our neighbor's AM radio every time I talked on 40 meters!) That transmitter would have caused a massive havoc had it gone aboard. But, that's not what we are talking about here.

Oh, I did hear about an OM on a cruise in the Caribbean. This ham brought his QRP portable rig with an intention of "stealthily" operating from

*(Will Travel — Continued on page 4)*

*(Will Travel — Continued from page 3)*

the secluded patio of his cabin. A few days into the cruise he turned the radio on and started sending the "V, V, V...." CW test signal. Suddenly the ship's fire alarm went off. Scared stiff, quickly theorizing that the RF energy from his radio triggered the alarm, he turned off the radio and hid it away into a cabinet, praying that the ensuing search by the ship's crew for the fire would not localize the source to his cabin. The search team never knocked on his door but he never played with the radio again for the rest of the trip. He never found out whether his radio was the culprit for the alarm or it was just a coincidence with something else. He didn't ask anyone on board.

There recently was an interesting posting by a VK OM in one of the Internet QRP forums that I subscribe to. He posted a letter he wrote to the cruise company on which he is scheduled to cruise. (By the time this article is printed he will have completed at least one of his /MM operation. I plan to communicate with him.) It helped him to successfully obtain permission to operate on board one of the Celebrity cruises. It may serve as a nice template for other hams who are contemplating /MM to write to the cruise company. Here is an excerpt from his letter:

"Hello,

My wife and I will be enjoying 3 Celebrity cruises - Celebrity Constellation Sept 6 2014 ; Celebrity Century March 8 2015 ; Celebrity Century March 22 2015. We have also previously sailed on the Legend of the Seas and the Voyager of the Seas.

I know it is permissible to take walkie-talkies onboard to use between my wife and myself, but in the section of things that are not allowed on board, it specifies "Ham Radios".

I would like to know, if my Ham Radio, which is a handheld "Walkie-Talkie" of only 5 Watts, will be allowed to be brought aboard and used aboard.

I have an Australian Advanced Amateur Radio Licence (VK6MB) that allows me to operate in Europe and Malta (I am assuming the ship is still registered in Malta), and

would really like to use my radio to talk to other Amateur Radio operators as we are sailing. If in waters/ports of other countries that require permits or reciprocal licensing, I would apply for permits and abide by their decision.

I would not have wires/cables that would cause trip hazards and I would operate in an out of the way place on the ship and respect the peace and quiet of the other guests. I use earplugs, so that the guests are not disturbed and I only need to talk at the same level as I would with a mobile phone.

I am asking because I know the Holland America line allows Amateur (Ham) radio operation on board, as does Windstar, Princess and Carnival. Cruise and Maritime Voyages' "Astor" Security just ask the Communications Officer to inspect the radio. Also Jean-Paul Gutter the Electronics Engineer aboard the RCI Oasis of the Seas is a Ham radio operator and has his station on board.

Thank you for considering my request.

Regards

Mike Beall"

The reply VK6MB received reads:

"Dear Mike,

Thank you for your email.

Please feel free to bring your Ham Radio onboard.

Please do not hesitate to contact us should you require any further assistance.

Kind regards

Elena  
Cruise Administration"

This OM pushed just the right button with the right tone and contents to succeed in obtaining "legal" permission to operate /MM. For that, the ham community should send him cheers and thanks (I did.). The more good precedents set the easier for other hams to enjoy the /MM operations. Celebrity Cruises does not generally al-

*(Will Travel — Continued on page 5)*

*(Will Travel — Continued from page 4)*

low ham radio operation on board, as you have noticed in his own letter. But he cleverly outmaneuvered the Celebrity's office in Sidney with which he corresponded. The whole exchange reveals that cruise company personnel is, not surprisingly, ignorant about radio: they can't tell the difference between a handheld FRS radio and a QRP transceiver. The KX3 or the FT-817 can be "held in hand" i.e., they can be construed "hand-held" radios technically, though I would hate to carry either of them in hand any longer than a few minutes. These two radios (and some other QRP radios) are small and light weight, relatively speaking. But they are not all that light-weight as to be held in hand a long time and, besides, they can get very hot if you operate them for a long time especially when ambient temperature is high. But, no matter. If the cruise company can be coaxed to think a certain radio is "hand-held" it is not our problem. The VK OM's story also implies that cruise companies really don't care whether or not you bring your portable rig on board and operate, as long as you are discreet. Maybe it is the lawyers retained by the cruise company who came up with the existing rule of forbidding ham operations on board. They tend to come up with ideas to cover contingencies to forestall liability problems (and they are paid to do that). The rule, to me, is another example of the CYA ("Cover your arse") principle.

What cruise companies care most is any passenger annoying or inconveniencing others. Any annoyance experienced by passengers affect the company's bottom line. Operating ham radio quietly and out of the way of other passengers would not create any such problems. A QRP radio transmission would not rip into the ship's communication or navigation system causing the ship to go aground or collide with another, either.

I have often traveled with a QRP rig domestically and internationally, on land and on high seas. There is a special pleasure to be a "strange" call in DX countries or on the ocean, occasionally even causing a mini pile-up despite being a QRP. Some of the QSOs ended up with my re-

ceiving an invitation for a later eye-ball meeting or dinner in a DX land. I have an Italian, an Austrian and a Brazilian "local" friend whom I first met on the air. In the past few years I have spent a lot of time out of my home QTH primarily because my two sons and their families live in London and Vienna respectively and my wife and I visit them (actually the grandkids are the real magnet) often, traveling from California to Europe and within Europe by air and by boat\*\*. My parents (SK now), my siblings and their families all live in Japan, so I travel westward to visit them as well, though I haven't operated from the JA land recently. (My first ham ticket was JA4AAO in 1957.) (\*\*By the way, do you know it is sometimes cheaper to cross the Atlantic by boat than to fly, especially considering that you don't pay extra for your "hotel" room or meals, if you know what I mean?) As a result I have frequently operated /MM, G/ and OE/ and at one time 4U1VIC (United Nations' club station in Vienna). Also, as a result of operating while traveling, I have acquired a few tricks and experience which are equally useful for my local (i.e., when I am home in the Bay Area) QRP outdoor operations.

I have recently downsized and moved from my QTH in Silicon Valley to an apartment in the city of San Francisco. The end result, at least for now, is that I no longer have my QRO shack, nor any external antenna. The CC&R strictly prohibits anything affixed outside of our unit. (Never mind I have thought about a way of stealthily installing an "invisible" antenna. I haven't executed it, though.) I would have been extremely unhappy had I had put myself in this situation ten years ago. But, frankly and certainly not out of any sense of sour grapes, I am not distressed, thanks to having learned to have fun operating QRP portable or outdoors and, of late, having discovered remote QRO operating opportunities (This is altogether a different subject and I would like to write about it in the near future as I accumulate more experience. If any reader is interested, I would be happy to discuss it "off line." Just shoot me an email).

**To Be Continued**

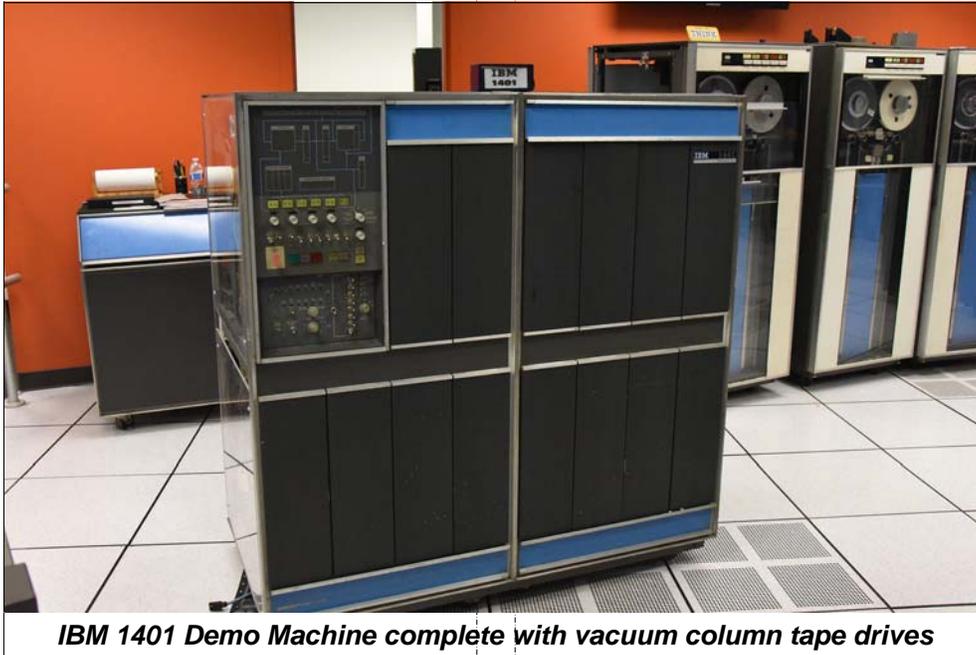
## April 15, 2015 Board Meeting Minutes

The April Board Meeting was held at the Menlo Park 'Round Table Pizza Parlor, commencing at 8:00 on April 15th, 2015. In attendance were Kristen McIntyre, K6WX (President), Marty Wayne, W6NEV (V.P.), Ron Chester, W6AZ (Treasurer), Darryl Presley, KI6LDM (Dir), Larry Rebarchik, N6DB (Dir), Rob Riley, KI6INR (Dir) and non-Board Members, Doug Teter, KG6LWE (Field Day Coordinator), Gerry Tucker, N6NV (Property Manager). A quorum was present.

President's Report: Kristen, K6WX, commented that the CHM field trip was a smashing success! All participants had a great time reminiscing and in some cases expounding on their part in the history of computing. The trip has inspired Kristen to get her own PDP-11 running again.

She also commented on the differences between PAARA and other clubs and the trials and tribulations of running a club and meeting member's diverse desires. A brief discussion regarding some differences and directions of club interests ensued and if there is anything to learn from how others operate.

Kristen indicated her reserve of stories is shrinking and in need. Have you committed to a story but not submitted it, do you have any projects, like those for home brew night in January, technical articles, hints n kinks, DX, setting up your station or antenna, on the air experiences that might be of interest? It's time to put pen to paper or exorcise the demons out of your word processing program and get one submitted to Kristen.



**IBM 1401 Demo Machine complete with vacuum column tape drives**

Vice President's Report: Marty, W6NEV, reported that the speaker for May will be Richard Webber, WR6J, talking about his experimental 630 meter station. He also mentioned that June we'll have John Miller, K6MM, talk on the K1N DXpedition to Navasa Island.

Marty acknowledged the kudos of the board for the field trip to the Computer History Museum. He's glad everyone that made the trek enjoyed it. He's working on the next trip.

Marty announced the PAARA special edition 2015 Field Day shirts are now available to order for \$23 each, sizes M – 2XL. You can purchase one or more directly from Marty or through the PAARA web site using PayPal. There is a big button on the home page, thanks John Miller,

K6MM, for the quick update to the site allowing payment through PayPal. The last day to order a shirt is Friday May 22nd. After that, shirts will no longer be available. Remember these are a PRE-ORDER item only.

Secretary's report: Jim, K6SV, was not able to attend but thanks Doug, KG6LWE, for taking notes and providing the secretary's report. The current membership for 2015 is 141. The postcard "drive" resulted in eight 2014 members renewing for 2015. To date, there have been 101 renewals via PayPal through the Club website. He also reported there were two new members in April.

Treasurer's Report: Ron, W6AZ, reported that the club's finances were in fine shape but last month had the lowest intake in a LONG time,

*(Minutes — Continued from page 6)*

mostly due to the lack of a raffle at the last meeting. As that meant the expenses were also low, all is well.

Under Old Business, Doug, KG6LWE, indicated the old GOTA trailer has been disposed of. Another chapter of PAARA lore has closed. Doug also reported that the Field Day planning group will meet soon to finalize “The Plan” for this year’s effort.

Marty, W6NEV, reported that the PACIFICON station plans are slowly moving forward. Marty reminded the board that the event has been authorized to use the W1AW/6 call sign during Pacificon. He hopes using that call will encourage club members to come and participate in making contacts. The current plan is to have the station in full operation from sometime Friday (October 16th) through Sunday (October 18th) about noon. Contact Marty if you wish to operate or lend a hand.

Rebar, N6DB, mentioned that the interested party wishing to purchase the club’s PE-95 generator has backed out. He’s hunting for a new party interested in purchasing it. Let Rebar know if you know of anyone who might be interested.

Kristen, K6WX, mentioned there hasn’t been any change in setting up a meeting with Mikel, KN6QI, to discuss the ASVARO changes for the Flea Market this year and to answer the questions the PAARA board has. PAARA’s scheduled to conduct the market in June 13th. Yes, that is 2 weeks before Field Day.

Gerry, N6NV, reported on the Club Repeater shack progress. The piers are in place and the floor framed. He’s hoping to spend some more time working on it over the weekend of 4/18 & 19.

Under New Business, no new business was brought to the board.

The meeting was adjourned at 9:34.

Jim Thielemann  
Secretary/membership  
K6SV

*(President — Continued from page 1)*

ging e-mails from me shortly as I begin organizing everything. There will be new procedures this year since the Red Cross is no longer involved at all. There are still details which I have to find out about before we will truly be ready. If you’d like to volunteer, please contact me, preferably by e-mail, at my address listed in PAARAgaphs. I’m good on QRZ also.

The serious run-up to Field Day has begun. It’s just two months away as I write this, on June 26th - 28th. We are planning to operate 4A again this year, with an emphasis on making sure we have better operator coverage for the nighttime hours. As usual, we will be at Bedwell Bayfront Park in Menlo Park, at Marsh Road and 101. We are in the process of finalizing antennas and placement, with our first FD planning meeting about to happen. This will be followed up by some work parties down at Doug’s place in San Martin. Lastly, we’ll do Network Day, where we connect all of the rigs and computers to make sure it all plays nicely together. We need volunteers for our Field Day activity to both operate and work the crew. See or e-mail Doug if you wish participate in any capacity. It’s a great operating event that I look forward to each year. I hope you’ll join us. And if you do, please think about buying a 2015 Field Day Team tee shirt. They are available to be ordered for a limited time prior to FD. You can order on the PAARA website at <http://paara.org>.

The Bay Area Maker Faire is May 16th and 17th, and this year we will have ARRL Volunteer Examiners there to test for all levels of Amateur Radio licensing. The test sessions will be held on-site at the San Mateo County Event Center. The organizer for the test sessions is Mikey, NE6RD, and he has all of the info. If you know someone who is both going to the Maker Faire, and who is interested in either getting their license or upgrading an existing license, have them contact Mikey at [mikey@mikey.com](mailto:mikey@mikey.com) to make a reservation. Walk-ins may not be able to be accommodated. Regardless of your

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testing status, I hope to see you at the Faire. It's always great experience.

If you were wondering what happened to our illustrious Raffle Master, Jim, last meeting, not to worry. Jim was just swamped with work and missed the meeting. It happens to the best of us. If you get a chance at the next meeting, thank Jim for his service to the club. We all greatly appreciate everything he does for PAARA.

Well, that's it for this month. I hope to see you at the May meeting, and then hear you on the air. GUD DX DE K6WX. Kristen

### Howard Takaoka, KG6GRO Silent Key

Howard Takaoka, 79, a longtime Palo Alto resident, died April 1, 2015 at his home in Novato, California. Mr. Takaoka was born in Stockton, California, attended the College of Pacific and Fresno State and later married Lois Nakamura of Palo Alto. The couple resided in Menlo Park and later Palo Alto.



In 1942 at age 7, Mr. Takaoka was sent to the Fort Lincoln Internment Camp in Bismarck North Dakota, one of the camps that interned Japanese Americans during WWII. Later, he worked as a city planner in Palo Alto. Mr. Takaoka was also active in the Palo Alto Amateur Radio Club and helped establish the Palo Alto Neighborhood Disaster Activities (PANDA) program, part of the Palo Alto Fire Department Office of Emergency Services.

He is survived by his two sons, Erik and Scott, and three grandchildren: Lauren, Emi and Evan.

Funeral services were held on April 19th at the Palo Alto Buddhist Temple, located at 2751 Louis road in Palo Alto.

## April Raffle Prizes

1<sup>st</sup>

### Kenwood TM281A / 2m Mobile Transceiver



- High Power 65W Output
- Large Front Speaker
- Vivid Amber LCD Display with 32-step brightness control
- 200 Memory Channels, plus one call channel

2<sup>nd</sup>

### Two Uniden FRS Radios with batteries



- 22Channels / 7 FRS / 15 GMRS
- Battery Strength Meter
- Channel Scan / Monitor
- Two Belt Holder Clips

3<sup>rd</sup>

### World Atlas Map Book

4<sup>th</sup>

### RayoVac 5 LED Headlight with batteries / 50 Lumens

5<sup>th</sup>

### Pocket Reference Book

6<sup>th</sup>

### Q-Knot Multi Purpose Reusable Color Ties

7<sup>th</sup>

### Bongo Ties

**Palo Alto Amateur Radio Association, Inc.**

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 Station Trustee K6OTA.....Ron Chester, W6AZ  
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 Photographer .....Bill Young, K6VVO  
 jdsinger@sbcglobal.net

**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](mailto: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/>

**PAARA — Palo Alto Amateur Radio Association**

Meets 1<sup>st</sup> Friday 7:00pm each month at Room H-6, Cubberley Community Center; Net 145.230 - PL 100Hz Mondays at 8:30. See our website at <http://www.paara.org> for more information or contact: Joel Wilhite KD6W, [KD6W@ARRL.NET](mailto:KD6W@ARRL.NET), 650-325-8239

**FARS — Foothills Amateur Radio Society**

Meets 4<sup>th</sup> Friday each month at 7:30pm  
 Contact: <http://www.fars.k6va.org>

**NCDXC — Northern California DX Club**

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

**QCWA Chapter 11**

**Northern California Quarter Century Wireless Association**

Meets third Wednesday monthly at Harry's Hofbrau in Redwood City @ 11:30 AM.  
 Guests are welcome. Saturday morning net on 146.850 MHz, PL 114.8

**50 MHz & Up Group**

Meets 1<sup>st</sup> Thursday each month at 7pm in the Texas Instruments Building E conference room in Santa Clara.  
 Contact: <http://50MhzandUp.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 3<sup>rd</sup> Thursday 7:30pm each month, Belmont EOC, Belmont City Hall, One Twin Pines Lane, Belmont CA 94002. Net is on 146.445 [PL 114.8] & 444.50 (PL-100) 7:30 Monday evenings. Contact: President Gary D. Aden, K6GDA 650-743-1265 (D), 650- 595-5590 (N)  
 Web: <http://k6mpn.org> E-mail: [pres@k6mpn.org](mailto: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 2<sup>nd</sup> Mon each month @ 7:30 PM.  
 Contact: <http://www.gsl.net/sccara> or Clark Murphy KE6KXO 408-262-9334  
 ARRL/VEC license testing contact 408-507-4698

**SVECS — Silicon Valley Emergency Communications**

Operates AA6BT repeater (146.115 MHz+)  
 contact: <http://www.svecs.net> or Lou Stierer WA6QYS 408 241 7999

**TEARS — The Elmer Amateur Radio Society**

Dedicated to operational training, knowledge building & FCC exam testing.  
 KV6R repeater under construction.  
 Contact: [AA6T@ARRL.NET](mailto:AA6T@ARRL.NET)  
 Most members are Extra Class or VE's. See QRZ dot com/kv6r for class info

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

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

Contact: <http://santacalaravalley.redcross.org> or Scott Hensley KB6UOO, (408) 967 7924  
[fshensley@Novell.com](mailto:fshensley@Novell.com)



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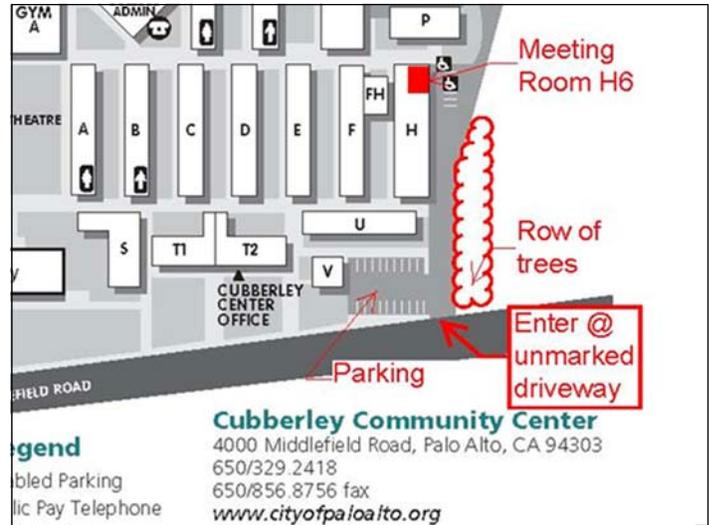
If you would like to  
 order a badge, see  
**Doug Teter, KG6LWE.**

## PAARA Weekly Radio Net

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

<u>Week</u>	<u>Control Operator</u>
1 <sup>st</sup>	Joel KD6W
2 <sup>nd</sup>	Doug - KG6LWE
3 <sup>rd</sup>	Jack - N1VSL
4 <sup>th</sup>	Marty - W6NEV
5 <sup>th</sup>	Rob KC6TYD

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



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

<http://www.foto.mail.ru/list/shkurkin>

Vladimir Vladimirovich

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

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

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

Membership in PAARA is \$20.00 per calendar year,  
 which includes one subscription to PAARAgaphs  
 \$6 for each additional family member (no newsletter).

Make payment to the  
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 P.O. Box 911, Menlo Park, CA 94026-0911

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<p><b>RADIO IN THE PARK</b></p> <p>9:30am - 12:30pm Check Back In the Spring</p> <p><b>QTH:</b> Agnews Historic Park 4030 Lafayette St. Santa Clara, CA 95050</p> <p>N 37° 23.549 W 121° 57.297</p>	<p>Ilse Beck, E. A. , KI6IBM</p> <p>BeckBusiness Services</p> <p>441 N. Central Avenue, #9 Campbell, CA 95008</p> <p>Enrolled Agent Income Tax Bookkeeping/Payroll Elder Care Consultations Billing and A/R</p> <p>Phone/FAX: 408-267-8234 Email: ilsebeck@jps.net</p>
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408-839-6815, [thielem@pacbell.net](mailto:thielem@pacbell.net)

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