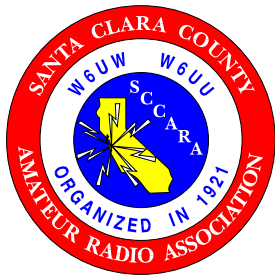


SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 31, Number 4

April 2015



Prez Sez

Change is Inevitable

Last month I told you why the 80 year old RS232 interface was great for ham radios because it promoted the interchangeability of software with companion radios. This was facilitated by simple RS232 to USB dongles that allowed modern computers without a RS232 interface port to talk to RS232 ported radios. Now the fly in the ointment is the USB port, as you now know it, is going away but you have a little while left before you have to adapt again.

A little history: By the Millennium most computers had replaced the parallel interface with the USB bus. Note the use of the word 'bus'. An interface is an end to end connection between two devices but a bus is like the transportation bus... you can get on and off at many places. In short a bus connects two or more devices. Now back to the USB bus.

The USB bus design was a group effort sanctioned by the IEEE. Its first release was version 1.1. As it turned out the USB design was a competition between an independent standards group and Apple Computer's 'Firewire' somewhat like the competition of VHS and Sony's Betamax on consumer video tape. You could say like Sony, Apple lost this completion because the first Apple computers to use Firewire also used the more utilitarian USB bus to the embarrassment of Steve Jobs.

USB was an outstanding success. It worked from the get go and soon increased its speed by 10 fold in version 2.0. One of the reasons for success was it was cheap and it also provided power for slave devices. (Later Apple would use USB power to charge its iPhone.) Speed was again increased 3 fold in version 3.0. Now in 2015 USB, as you now know it, is in the decline. That's because it is being replaced by USB 3.1. I say replaced because unlike USB 1 to 3, USB 3.1 is not totally compatible with its predecessors. It has a new connector and cables and a blindingly fast speed of 20 Gbits per second.

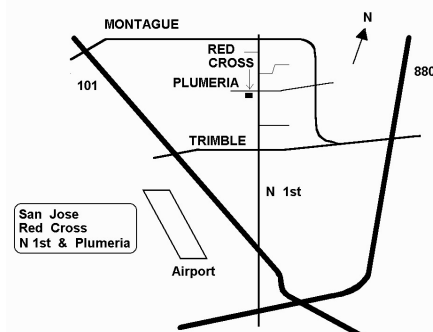
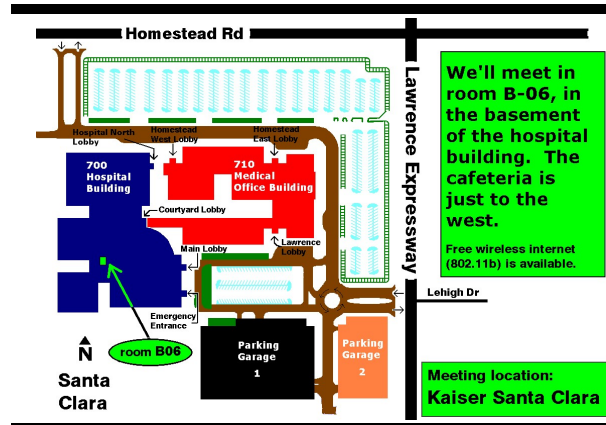
The new connector is like a HDMI video connector except it is symmetricall. Like your car keys it can work equally well if flipped upside down. The power instead of 3.3 to 5 volts at 1 Amp is an astounding 20 volts at 5 amps. That's a hundred watts, more than enough to power for just about any peripheral device. That means a rig like the Elecraft KX3 can be totally powered from an USB 3.1 computer interface. I'm not sure how the computer companies are going like upgrading their 90 watt laptop supplies to 200 watts but then again the difference in cost is only pennies at the manufacturing level. However it may mean tablets and such will

Calendar

- 4/13 **SCCARA General Meeting**
4/20 **SCCARA Board Meeting**--(San Jose Red Cross, 7:30p, all are welcome)

General Meeting

- Day: Monday, April 13, 2015
Time: 7:30 PM
Place: Kaiser Santa Clara, Hospital B-06
Featuring: Steven Olson, KI6MYE, working a "super station" from Costa Rica



The **SCCARA-GRAM** is published monthly by the SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION, PO Box 106, San Jose CA 95103-0106. Permission to reprint articles is hereby granted, provided the source is properly credited.

The deadline for articles is the last Monday of the month.

SCCARA was formed in 1921 and became a non-profit corporation in 1947. SCCARA is an affiliate of the American Radio Relay League (ARRL). The club station is W6UW.

Web page: <http://www.qsl.net/sccara>. (Webmaster: Wally Britten, KA6YMD, 408-293-3847, ka6ymd@arrl.net)

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(all officers are also directors)

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SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU:
2 meter: 146.985 - PL 114.8
70 cm: 442.425 + PL 107.2

Phone auto-dial and auto-patch is available. The two meter repeater is located at Eagle Rock near Alum Rock Park in the foothills of east San Jose. The 70 cm repeater is located at the Regional Medical Center (formerly Alexian), east of downtown San Jose, north of 280 and 101.

SCCARA NETS

On our two meter repeater: Mondays at 7:30 PM, (not the second Monday--our meeting night). Coordinator: Don Village, K6PBQ. On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally Britten, KA6YMD. Visitors welcome.

N0ARY PACKET BBS

SCCARA hosts the packet BBS N0ARY (connect to n0ary-1). User ports: 145.09 MHz at 1200 baud, 433.37 MHz at 9600 baud, and telnet sun.n0ary.org (login "bbs"). Sysop: Gary Mitchell, WB6YRU. For general packet info, see the NCPA web site nepa.n0ary.org.

TELEPHONE NUMBERS

SCCARA contact Clark KE6KXO: 408-262-9334
Amateur license testing, ARRL/VEC Silicon Valley VE group,
Morris Jones, AD6ZH: 408-507-4698

stay with USB 2.0.

73, Fred, AE6QL, ae6ql@arrl.net



Electronic Flea Market

The fabulous De Anza Electronics Flea Markets are under way. The 2015 inaugural market was held in March and sponsored by FARS. Being the first event of the year it was well attended by both buyers and sellers.

The line up for this year is:

March FARS
April SVECS
May WVARA
June PAARA
July SPARK
August SCCARA
September SPECS

SCCARA and SVECS historically have been supportive of each others flea market efforts. SVECS is looking for volunteers for its April 11th sponsorship of the flea market. Shifts are 5-7, 7-9, 9-11 and 11-13 hours. Please sign up for a shift or two to show our support for our SVECS friends. Since the April flea market is two days before the next SCCARA meeting please e-mail your sign up and shift preference to Lou at WA6QYS@ARRL.net or call him at 408-241-7999. Thank you for your generous support.

Lou WA6QYS

The Humble HT

Nothing is quite as ubiquitous in our hobby as the handheld transceiver. Known as "HT's", they are the entry point for technicians into ham radio. Ever since Kenwood made the TH-F6a, they have become smaller than a clinched fist and with five watts can talk to the world. Since they operate in the VHF/UHF frequency spectrum they behave more like light in their propagation, often called "line of sight" transmissions. Using the classic formula for over the horizon transmissions, two HT's, each 9 feet above the ground and separated by the curvature of the earth cannot see each other much past 10 miles. The solution to this problem is to install a repeater at a great altitude, maybe on a mountain top, visible to two operators who are not visible to each other. This solution has been implemented by the tens of thousands around the country and makes HT's the delightful communication devices we know today.

To make all this work, the repeaters listen on one frequency and rebroadcast on another called DUPLEX mode. These two frequencies are fairly close together and the difference is called the "offset". The offset is applied to the HT's listening frequency to calculate the HT's transmitting frequency and can be either a positive or negative displacement. To ensure that only intended traffic and not spill over from some distant repeater is being rebroadcast, a code is provided to each repeater that is imbedded in friendly communications. This is a sub audible tone piggy backed on the transmissions. Motorola came up with this private line pass key and it is referred to as the "PL". Wrong PL from an HT and the repeater refuses to rebroadcast the message.

The owner of an HT has to program his radio and here is where the fun begins. The hand held is a “chanalized” radio which means your tuning knob selects a numbered channel which is preprogrammed to cooperate with a given repeater. As a minimum, a channel contains a receive frequency, a transmit frequency, an outbound PL, a power setting, and optionally an incoming PL, a channel name and channel notes. All this requires using the buttons on the face of the radio! GOOD LUCK! So you grab the manual which was written by the engineers who designed the radio and the word “intuitive” simply vanishes from the dictionary. So what to do? I went to the GOOGLE window and typed in “HT programming software” and what should fill my screen? A list of programs, mostly free, written by hams for hams that will do the job for you. My Wouxon HT came with a USB programming cable that allows the hand held to be attached to my PC. An audible acknowledgement from my PC tells me that plug and play has discovered my device and is ready to proceed. Next I click on my downloaded free program, called “KG-UV Commander” and it connects to my Wouxon. A great spread sheet appears with channels being the rows and the columns being the repeater characteristics. Fill in the blanks, click on “WRITE” and the handheld is programmed and ready to go.

For this article to be of any value to the reader, two things are required. First, the cable that connects your hand held to your PC. With luck, the manufacturer supplies this either with the radio or as a separate accessory. Lacking this, it is possible that an after market cable can be obtained over the internet or possibly from HRO. Worst case, you may have to make the cable. No cable and you best go back to the manual. Secondly, you need the software and this can be found using a GOOGLE search. Many charge a fee, but there are also freebies, one good example being “CHIRP”. With these tools you can load up your hand held until you run out of channels. The source for this information is the ARRL REPEATER DIRECTORY which lists every repeater in the country. It is probably a good idea to include several SIMPLEX channels which do not require a repeater and allow communication on camping, hiking or car trips.

Goetz Brandt, K6GKB

ARRL News

From *The ARRL Letter*, March 5, 2015

Amateur Radio Parity Act of 2015 Introduced in Congress

“The Amateur Radio Parity Act of 2015” -- H.R.1301 -- has been introduced in the US House of Representatives. The measure would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions. US Rep Adam Kinzinger (R-IL) introduced the bill on March 4 with 12 original co-sponsors from both sides of the aisle -- seven Republicans and five Democrats. Kinzinger also sponsored “The Amateur Radio Parity Act of 2014, which died at the end of the 113th Congress. H.R. 1301 is an essentially identical piece of legislation.

“The introduction of H.R. 1301 with so many original co-sponsors, so early in this session of Congress, is very encouraging,” said ARRL President Kay Craigie, N3KN. “Several additional members of Congress already have agreed to be co-sponsors. This bill has momentum, but introduction is only the first step. Many of the next steps will be taken as ARRL members contact their US Representatives urging co-sponsorship and thanking them as they sign on to the bill.”

If Congress approves the legislation, and it is signed by the president, H.R. 1301 would require the FCC to amend its Part 97 Amateur Service rules to apply the three-part test of the PRB-1 federal pre-emption policy to include homeowners' association regulations and deed restrictions, often referred to as “covenants, conditions, and restrictions” (CC&Rs). At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to include such private land-use agreements without direction from Congress.

H.R. 1301 has been referred to the House Energy and Commerce Committee. Rep Greg Walden, W7EQI (R-OR), chairs that panel's Communications and Technology Subcommittee, which will consider the measure. The League had worked with Walden on the 2014 bill during the 113th Congress.

Among H.R. 1301 initial co-sponsors is Rep Joe Courtney (D-CT), who attended the ARRL National Centennial Convention last summer to speak with League officials and those attending the event about the earlier bill.

Craigie encouraged ARRL members to urge their US House members to sign on to the bill as a co-sponsor. If the House member is already a co-sponsor, call the member's local office or send an e-mail via the member's official website to express their thanks. She called on League members to encourage other hams to do the same, and to be sure to refer to the bill by its number, H.R. 1301. The ARRL has an H.R. 1301 resources page on its website

“Remember what those pile-ups on the WIAW portable stations sounded like last year?” Craigie said. “Let's be that avid in calling for even greater support in Congress for this essential legislation.”

From *The ARRL Letter*, March 12, 2015

FCC Enforcement Bureau Field Resources Poised to Shrink

According to an internal FCC Enforcement Bureau (EB) memorandum, the Bureau plans to ask the full Commission to cut two-thirds of its field offices and eliminate nearly one-half of its field agents. At the same time, the Bureau would develop a so-called “Tiger Team” of field agents as a flexible strike force it could deploy as needed. In the March 10 memorandum to Enforcement Bureau field staff -- obtained by ARRL and others -- EB Chief Travis LeBlanc and FCC Managing Director Jon Wilkins cited the need to take “a fresh look” at the Bureau's 20-year-old operating model in light of technology changes and tighter budgets. ARRL CEO David Sumner, K1ZZ, expressed dismay at the proposals.

“The ARRL is concerned that there is already no sense of urgency in the FCC's enforcement activities targeting spectrum polluters, such as utilities with noisy power lines, or the few violators in our own ranks,” Sumner said. “It is troubling to see recommendations for such drastic reductions in the Commission's geographic footprint and the number of field agents at a time when the Field staff is facing ever-increasing challenges.”

The EB and the Office of the Managing Director initiated an effort last fall to modernize the Bureau's field operations, the memorandum said.

“This project sought to ensure that the Field's structure, operations, expenses, and equipment were properly aligned with the Commission's overall mission and resources,” LeBlanc and Wilkins said. The Commission hired outside consultants to

analyze the EB's current "operating model," gathering input from employees, outside experts, and internal and external stakeholders.

Under its "Phase I" field modernization scheme, the Bureau will recommend to the full Commission that it adjust the primary focus of its reduced field office complement to RF spectrum enforcement. The EB will also recommend "adjusting" the number of field agents from 63 to 33. To compensate, part of that field staff complement would include what the EB called a "Tiger Team" of agents "flexible enough to support other high-priority initiatives." Under the plan, all field agents would have to have electrical engineering backgrounds "to support the primary focus on RF spectrum enforcement." The Bureau will also propose standardizing its investigatory and sanctioning processes.

Management would not be spared. Under the recommendations, the EB field organization chart would shrink from 21 to 5 director positions, and from 10 to 3 administrative support positions.

Under the proposals, the field office would reduce its "geographic footprint," from 24 sites to 8 sites and would "pre-position" equipment in several other strategic locations. Offices slated to stay under the plan would be New York City; Columbia, Maryland -- the site of the Bureau's HF Direction-Finding Center; Chicago; Atlanta; Miami; Dallas; Los Angeles, and San Francisco. The EB would deploy equipment in or near several other cities, initially to include Kansas City, Salt Lake City, Phoenix, Seattle, San Juan, Anchorage, Honolulu, and Billings, Montana.

Part of the plan calls for the EB to establish "beneficial partnerships between the Field and other organizations that may support increasing our effectiveness."

During a March 4 US House Subcommittee on Communications and Technology Committee hearing on the FCC's FY2016 budget, Rep Michael Pompeo (R-KS) pressed Wilkins on whether the FCC intended to close any field offices and eliminate any personnel. Wilkins attempted to dodge offering a direct answer, and hedged on whether any cuts were planned. He also said the Bureau had not yet received a final report from the outside consultant it had worked with. US Rep Greg Walden, W7EQI (R-OR), chairs the subcommittee.

Radio Amateurs Invited to Listen for Lambda-Sat

Lambda-Sat -- the first Greek CubeSat -- was released from the International Space Station on March 4, following its launch last summer, and its developers have invited radio amateurs around the world to listen for the Lambda-Sat signal and file reports. (<http://lambdasat.com/contact-us/>)

"You can help us to track and get the data from the Lambda-Sat while [it is] flying above areas not covered by our ground stations," the Lambda-Sat team said. The 1U CubeSat transmits AX.25-protocol UI packets at 1200 bps AFSK on 437.465 MHz. The 1 W transmitter identifies as KK6DFZ.

Lambda-Sat was constructed entirely by young volunteers from Greece, who traveled to Silicon Valley to participate in this project. Members of the Lambda-Sat team contributed to the construction of the satellite system through their knowledge in robotics, electronics, software development, and telecommunications.

"I want to motivate the youth in Greece to continue to dream," said the project's initiator, Periklis Papadopoulos, an aerospace engineering professor at San Jose State University. "My goal is to demonstrate the capabilities of young people in Greece."

Lambda-Sat carries an experiment that measures the radiation effects on graphene in a low-Earth orbit environment. It also carries an Automatic Identification System (AIS) receiver for tracking all marine vessels within its footprint around the globe, employing an Iridium Short Burst Data (SBD) modem and making use of the Iridium constellation.

An article on the Lambda-Sat project by Cyprus Amateur Radio Society (CARS) Secretary Nestor Jacovides, 5B4AHZ, has been posted on the CARS website: <http://www.cyhams.org/index.php/en/news-and-events/359-the-first-greek-microsatellite-is-a-fact>.

From *The ARRL Letter*, March 19, 2015

IARU Emergency Telecommunications Guide Available Online

The International Amateur Radio Union (IARU) Emergency Telecommunications Guide is now available for download from the IARU website: <http://www.iaru.org/emergency-telecommunications-guide.html>.

The guide was developed to provide the IARU member-societies with materials suitable for training radio amateurs to participate in emergencies. It also was designed to provide guidance to individual Amateur Radio operators with little or no experience in handling emergency communications but desire to enhance their ability to participate in such events or to simply have a better understanding of the process. The IARU Administrative Council meeting approved the Guide at its 2014 meeting.

"IARU member-societies are encouraged to distribute this guide among its membership and, if necessary, to provide a translation into a language used within their own country," an IARU media release said. "This guide can also be used in conjunction with other training materials by leaders within the emergency communication community to train radio operators in the basic theory and practice of handling emergency communications traffic."

The IARU International Secretariat has invited feedback, comments, or suggestions regarding the Guide, (w6rod@iaru.org).

H.R. 1301 is All About Fairness

The push is on to convince Congress to pass The Amateur Radio Parity Act of 2015 -- H.R. 1301, (<http://www.arrl.org/hr-1301>) which was introduced in the US House early this month with bipartisan support and now has 22 cosponsors. The full text of the bill now is available. If approved and signed by President Obama, the measure would direct the FCC to extend its rules relating to reasonable accommodation of Amateur Service communications to private land use restrictions -- also known collectively as "deed covenants, conditions, and restrictions" or CC&Rs. In the March issue of the ARRL Legislative Update, ARRL President Kay Craigie, N3KN, said the bill is "simple and sensible," and she urged all radio amateurs -- whether or not they are affected by CC&Rs -- to join the effort to gain cosponsors for the measure. A regularly updated H.R. 1301 page on the ARRL website includes key "talking points" and other information for Amateur Radio delegations or individuals to use when approaching US House members for their support.

"Private land use restrictions that prohibit antennas are growing at an alarming rate all over the country," President Craigie said in stressing the urgency of the current campaign. "This is not just a

problem in cities, suburbs, and gated communities. It is everywhere.” Part of the problem, she explained, is the uneven application of Amateur Radio antenna regulation from the public to the private sphere. While President Craigie's Virginia county has what she called “a very satisfactory antenna ordinance,” similar accommodations do not extend to developments where homeowners associations and private land-use regulations hold sway.

“In our rural and small-town county, every new development must have a homeowners association, and they all prohibit antennas with cookie-cutter language,” she said.

As President Craigie sees it, H.R. 1301 is all about fairness. “H.R. 1301 seeks regulatory parity -- not a blank check, not the heavy hand of the federal government, but simply the opportunity to negotiate reasonable accommodation,” she said. “It seeks a level playing field.”

President Craigie said she successfully reached out to her Member of Congress to support H.R. 1301, and she encouraged other radio amateurs to do the same.

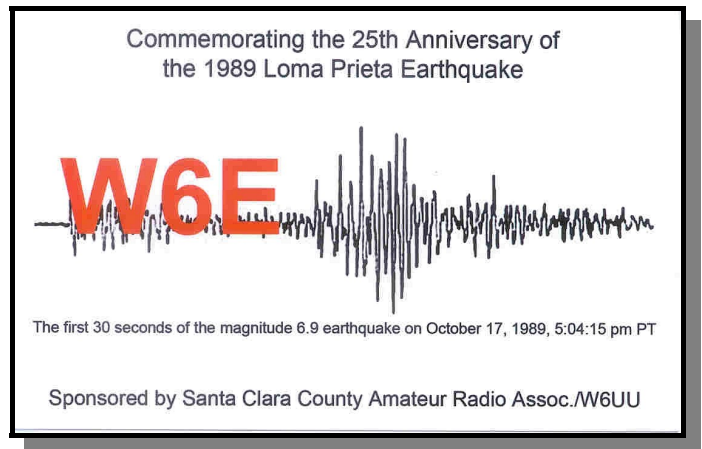
“If private land-use restrictions do not affect you, please stand up for your fellow amateurs,” she urged. “Please stand up for the youth we all want to attract into Amateur Radio. What is the point of helping youth get their licenses if they cannot go on to develop the skills of Amateur Radio because they cannot have antennas in their neighborhoods?”

At present, PRB-1 only applies to state and local zoning laws and ordinances. The FCC has been reluctant to extend the same legal protections to private land-use agreements without direction from Congress.

H.R. 1301 has been referred to the House Energy and Commerce Committee. Rep Greg Walden, W7EQI (R-OR), chairs that panel's Communications and Technology Subcommittee, which will consider the measure.

W6E Special Event Station

Last October the club held a special event station (W6E) commemorating the 1989 Loma Prieta Earthquake. This was held at Clark Murphy's (KE6KXO) famous “Bucky Hut” in Alviso. We used his Ten Tec Orion II, an awesome radio, which was attached to his Mosley TA33 Jr. at 40 feet and rotatable in all directions. Many club members sat at the controls and manned the station for two days resulting in an obligation to confirm all the contacts. To this end, Christina Sand (WO1NDR) designed a QSL card with Photo Shop and produced a card of such elegant simplicity that a snap shot is included. On Saturday, the 28th of February, after four months, we concluded the special event with a QSL party in which the usual suspects filled out the confirming information. Don Village (K6PBQ) showed us how it was done, having filled out thousands over the years. Paul Gorny (KK6HWN) provided the logs with the necessary information. It was Paul who manned the keyboard and logged the entries as the contacts were being made. John Parks (W6JPP) made contacts from both Clark's shack as well as from his own. Gregg Lane (KF6FNA) and Lou Steirer (WA6QYS) left their fingerprints on the event, while Gwen (KF6OTD) kept an eagle eye on the proceedings to make sure no regulations were compromised. Having exposed all the “Gotchas”, we are now ready to select a topic for another special event.



W6E QSL Card

Goetz Brandt, K6GKB

Meeting Minutes

General Meeting, March 9, 2015

{no minutes received by the deadline. -- Editor}

Board Meeting, March 16, 2015

Red Cross Building 2731 N. 1st. St., San Jose, Ca. Status: Unreviewed

Attendance: President Fred Townsend AE6QL; Vice President/Secretary Gregg Lane KF6FNA; Trustee Don Village K6PBQ; Directors Lou Steirer WA6QYS, Wally Britten KA6YMD, Lloyd DeVaughns KD6FJI, Clark Murphy KE6KXO, and Richard Clare WB6EWM; Visitor Gwen Steirer KF6OTD.

Announcements: 1) Club Station open March 27, 10 till 4 PM 2) SVECS Quarterly Breakfast, Saturday, April 25, 2015, 7:30 setup, 9AM breakfast, 10 AM program 3) Electronics Flea Market April 11, SVECS hosting 4) MS Walk April 25, 2015 4) Field Day, June 26-28, 2015

Secretary's Report: Feb. Minutes approved as printed in the SCCARA-GRAM. The Secretary's bag will be shipped by Viki in March.

Treasurer's Report: Checking = 5,823.51, Savings= 500.07, Cash= 423.04, Total= \$6,755.62

Trustee's Report: Don will be working the MS Walk on the last Saturday of April. Call in on the club repeater to see if the club station is open.

Vice President's Report: The speaker for April will be Steven Olson, KI6MYE. He will speak about his trip to Costa Rica with his daughter to work from a super station. May will be Home Brew night. June will be about Field Day.

President's Report: Fred Stated that the American Diabetes Association is seeking a radio club to coordinate radio communications for the Silicon Valley Tour de Cure, June 7, 2015. He also mentioned that Jason Folsom, W6WGF is looking for information on his great grandfather, Roger R. Williams (also W6WGF) who may have been a part of SCCARA in the 40's. Fred also mentioned that Thur. March 26 might be a good day for a walk through at Vasona Park. There are still details to be worked out with the Park Officials about Field Day use of the Park.

The meeting was adjourned at 10:44

Gregg Lane, KF6FNA, Secretary

Packet Pieces

Downloaded from the BBS packet network:

=====
Date: 14 Dec 2013 01:38
From: GM3YEW@GB7YEW
To: HUMOR@WW
Subject: Jokes 14/12

A pirate walked into a bar, and the bartender said, "Hey, I haven't seen you in a while. What happened? You look terrible." "What do you mean?" said the pirate, I feel fine."

"What about the wooden Leg? You didn't have that before." "Well," said the Pirate, "We were in a battle, and I got hit with a cannon ball, a lost the leg, but I'm fine now."

The bartender replied, "Well, OK, but what about that hook? What happened to your hand?" The pirate explained, "We were in another battle. I boarded a ship and got into a sword fight and my hand was cut off. I got fitted with a hook but I'm fine, really."

"Well what about that eye patch?" "Oh," said the pirate, "One day we were at sea and a flock of sea gulls flew over. I looked up, and one of them messed in my eye."

"Now I know you're kidding me," said the bartender. "You couldn't lose an eye just from bird muck." "It was my first day with the hook."

A woman decides to have a facelift for her 50th birthday. She spends \$15,000 and feels pretty good about the results. On her way home, she stops at a news stand to buy a newspaper. Before leaving, she says to the clerk, 'I hope you don't mind my asking, but how old do you think I am?'

'About 32,' is the reply.'

'Nope! I'm exactly 50,' the woman says happily.

A little while later she goes into McDonald's and asks the counter girl the very same question.

The girl replies, 'I'd guess about 29.'

The woman replies with a big smile, 'Nope, I'm 50.'

Now she's feeling really good about herself. She stops in a drug store on her way down the street. She goes up to the counter to get some mints and asks the clerk this burning question.

The clerk responds, 'Oh, I'd say 30.'

Again she proudly responds, 'I'm 50, but thank you!'

While waiting for the bus to go home, she asks an old man waiting next to her the same question. He replies, 'Lady, I'm 78 and my eyesight is going. Although, when I was young there was a sure-fire way to tell how old a woman was. It sounds very forward, but it requires you to let me put my hands under your bra. Then, and only then can I tell you EXACTLY how old you are.'

They wait in silence on the empty street until her curiosity gets the best of her. She finally blurts out, 'What the hell, go ahead.'

He slips both of his hands under her blouse and begins to feel around very slowly and carefully. He bounces and weighs each breast and he gently pinches each nipple. He pushes her breasts together and rubs them against each other. After a couple of minutes of this, she says, 'Okay, okay! Now, how old am I?'

He completes one last squeeze, removes his hands, and says, 'Madam, you are 50 years old.'

Stunned and amazed, the woman says, 'That was incredible, how could you tell?'

The old man says, 'Promise you won't get mad?'

'I promise I won't,' she says.

'I was behind you at McDonalds.'

=====
Date: 1 Dec 2013 01:06
From: GM3YEW@GB7YEW
To: HUMOR@WW
Subject: Jokes 1/12

Interesting Human Body Facts

- The largest cell in the human body is the female egg and the smallest is the male sperm.
- A full bladder is roughly the size of a soft ball
- One human hair can support 3 kg (6 lb).
- Human thighbones are stronger than concrete.
- The attachment of human muscles to skin is what causes dimples.
- There are about one trillion bacteria on each of your feet.
- The average man's penis is three times the length of his thumb.
- A woman's heart beats faster than a man's.

- If the average male never shaved, his beard would be 13 feet long when he died.

- Men with hairless chests are more likely to get cirrhosis of the liver than men with hair.

- Side by side, 2000 cells from the human body could cover about one square inch.

- Women blink twice as often as men.

- The average person's skin weighs twice as much as the brain.

- When you are looking at someone you love, your pupils dilate.... they do the same when you are looking at someone you hate!

- It takes twice as long to lose new muscle if you stop working out than it did to gain it.

- Your ears secrete more earwax when you are afraid than when you aren't.

- Your body uses 300 muscles to balance itself when you are standing still.

- If saliva cannot dissolve something, you cannot taste it.

- The average woman is five inches shorter than the average man.

You checked the length of your thumb, didn't you?

5 surgeons standing in a bar...

The first, a Manchester surgeon, says: 'I like to see accountants on my operating table, because when you open them up, everything inside is numbered.'

The second, a Liverpool surgeon, responds: 'Yeah, but you should try electricians! Everything inside them is colour coded.'

The third, a Newcastle surgeon, says: 'No, I really think librarians are the best; everything inside them is in alphabetical order.'

The fourth, a Birmingham surgeon, chimes in: 'You know, I like construction workers...those guys always understand when you have a few parts left over.'

But the fifth, a London surgeon, shuts them all up when he observed: 'You're all wrong. Politicians are the easiest to operate on. There's no guts, no heart, no balls, no brains and no spine, and the head and the arse are interchangeable.'

Need Help?

Amateurs have a long history of helping each other. An experienced amateur who helps another is traditionally called an "Elmer." If you have a question or problem, you are encouraged to ask one of SCCARA's Elmers. Below is a list of topics including who to contact for each. If your topic isn't listed, ask

one of the Elmers under the topic that comes closest and we'll ask around.

If you consider yourself to be reasonably competent in at least one area of amateur radio and would be willing help others, please fill out an Elmer form from the club secretary.

Topics:

Antennas, feed-lines, tuners: NV6W, W6JPP, K6PBQ, WB6YRU

Lightning protection, grounding: WB6YRU

Station set-up, equipment: K6PBQ, W6JPP

TVI/RFI: WB6YRU

Homebrew projects, construction: KD6FJI, WB6YRU

Computers: older IBM PC: WB6YRU

Packet Network (BBS, forwarding): WB6YRU

Code operating and installations: NV6W, K6PBQ

DX (long distance/propagation): NV6W

Emergency operating/preparedness: WA6QYS

HF operating techniques (SSB, CW): NV6W, K6PBQ

Legal/FCC rules: WB6YRU

SCCARA (club inner workings): K6PBQ, WB6YRU, WA6QYS

EchoLink: KK6MX

License testing, new amateurs: W6JPP

Contacts:

NV6W, James D. Armstrong, Jr.,
evening & msg: 408-670-1680

KD6FJI, Lloyd DeVaughns,
408-225-6769 e-mail: kd6fji@arrl.net

KK6MX, Don Apte, 408-629-0725
e-mail: kk6mx@aol.com

W6JPP, John Parks, 408-309-8709
e-mail: w6jpp@arrl.net

K6PBQ, Don Village, 408-263-2789
e-mail: donvillage7@yahoo.com

WA6QYS, Lou Steirer, 408-241-7999
e-mail: wa6qys@arrl.net

WB6YRU, Gary Mitchell, 408-269-2924
packet: home BBS N0ARY
e-mail: wb6yru@ix.netcom.com

Newsletter Notes

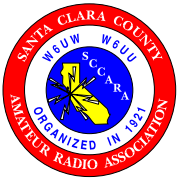
There haven't been any articles submitted about this yet, so I'm not exactly sure what the plan is, but I hear we're going to have a member's project night for the May meeting.

If you have a project of some kind that you're working on, you might want to try to get it finished in time for the May meeting--there's just one month to go. The more members who have something to share, the more interesting it will be.

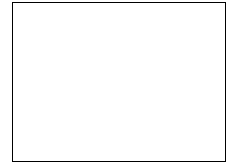
We've done this a few times in the past and it usually proves to be an interesting meeting. If this will be like those, each person who has something to share will spend just a few minutes telling the rest about their project.

And if you're working on something but have a problem with it, this is a great opportunity to get some helpful advice. That's one of the benefits of being in a club like this.

73, Gary WB6YRU, editor



SCCARA
 Santa Clara County Amateur Radio Association
 PO Box 106
 SAN JOSE CA 95103-0106



FIRST CLASS

ADDRESS SERVICE REQUESTED

SCCARA Membership Form for 2015
 If none of your info has changed, fill in name and call only

Name: _____ Call: _____ Class: E A G T N

Address: _____ Licensed since (yr): _____

City: _____ State: _____ Zip: _____ - _____ Licence Expiration Date (mo/yr): _____

Telephone: _____ New Member Renewal
 I'm also a member of the ARRL

E-mail: _____

 You'll get a short e-mail notice each month letting you know a new SCCARA-GRAM (pdf) is ready for download.

Memberships start January 1 and expire December 31. Annual dues are: **\$20 Individual \$25 Family \$10 Student** (under 18)
 For family memberships (members at the same address), please include the above info for each member, (use separate forms).

New members:

- If joining in January: normal dues
- If joining in February through October: dues x (11 - month) x 10% (e.g. for July, that's: \$20 x 4 x 0.1, which is \$8)
- If joining in November or December: normal dues. That's for next year, and the rest of this year is included free

I want the newsletter on paper delivered by U.S. Mail for an additional \$30 per year, prorated (\$2.50 per month).
 So that's \$27.50 if starting in February, \$25 if starting in March, \$22.50 if starting in April, \$20 starting in May, etc.

\$ _____ Total membership payment for: individual family student

Give this completed form (or copy) with payment to the Secretary or Treasurer at any meeting or mail to the club address.