

SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 24, Number 2

February 2008



February meeting

The speaker at our February meeting will be Eric Swartz, WA6HHQ, CEO of Elecraft. He will talk about their K3 radio.

Elecraft offers transceivers and accessories that you can easily build yourself. It was founded in 1998 by Wayne Burdick (N6KR) and Eric Swartz (WA6HHQ). Their first products included the K1, a four-band QRP CW transceiver; and the K2, a light-weight HF transceiver.

If you are interested in kit building or the old "hands on" aspects of amateur radio, you'll probably want to attend this meeting.

NoARY BBS move

The N0ARY packet BBS has been moved from the roof of the Regional Medical Center (east of downtown San Jose) to Mt. Umunhum. The mountain top site is operated by Baycom, an amateur radio experimenters group in the south Bay. <www.wa6ycz.org>

From this vantage point, folks from Hollister to Monterey, to San Francisco will be able to use the BBS. Plus, forwarding to nearby BBSs will be easier. If you had trouble connecting before, try it now, it should be better.

The RF user ports remain the same: 144.93 (1200 baud) and 433.37 (9600 baud), as does the BBS forwarding port. However, the telephone port is gone now, (the e-mail port was shut off a long time ago, due to the spammers). There is a telnet port, accessible to anyone with a computer connected to the internet. Telnet to bbs.n0ary.org (default port, 23), log-in name: bbs. At that point it will be as if you just connected by RF. This port should work as well as the telephone port did.

Since the user telephone port is no more and the BBS now gets its internet connection (supplied for free) through its ethernet port, SCCARA will be able to save money by closing those two telephone lines. Bob Arasmith, N0ARY, who supplied the other end of the internet telephone link, will likewise be able to save money by closing that line at his place.

I took this opportunity to make some technical changes and improvements. More details will follow in the next issue.

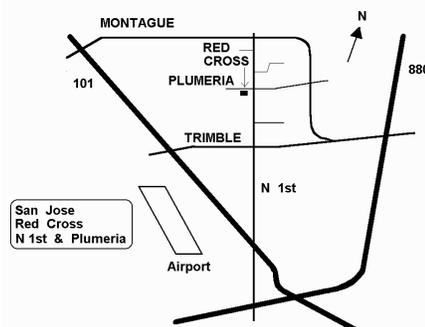
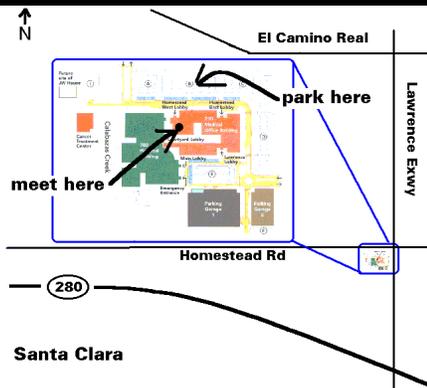
73, Gary, WB6YRU

Calendar

- 2/11 SCCARA General Meeting
- 2/18 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)
- 3/10 SCCARA General Meeting

General Meeting

Day: Monday, Feb. 11, 2008
Time: 7:30 PM
Place: Kaiser Santa Clara, Rm 196, 1
Featuring: Eric Swartz, WA6HHQ, of Elecraft demonstrating the K3.



ARRL News

From *The ARRL Letter*, January 11, 2008

CYCLE 24 HERE, EXPERTS SAY

With the appearance of Sunspot 981 -- a high-latitude, reversed polarity sunspot -- on Friday, January 4, experts at NASA and the National Oceanic and Atmospheric Administration (NOAA) said that Cycle 24 is now here. "This sunspot is like the first robin of spring," said solar physicist Douglas Biesecker of the Space Weather Prediction Center (SWPC), part of NOAA. "In this case, it's an early omen of solar storms that will gradually increase over the next few years."

Solar physicist David Hathaway of NASA's Marshall Space Flight Center in Huntsville, Alabama concurred, saying that new solar cycles begin with a "modest knot" of magnetism, like the one that appeared on December 11 on the east limb of the Sun: "That patch of magnetism could be a sign of the next solar cycle. New solar cycles always begin with a high-latitude, reversed polarity sunspot." The region of magnetism that appeared back in December achieved high latitude (24 degrees North) and was magnetically reversed, but no supporting sunspot appeared until 25 days later.

Reversed polarity describes a sunspot with opposite magnetic polarity compared to sunspots from the previous solar cycle. High-latitude refers to the Sun's grid of latitude and longitude. Old-cycle spots congregate near the Sun's equator; new-cycle spots appear higher, around 25 or 30 degrees latitude. Sunspot 981's high-latitude location at 27 degrees North and its negative polarity leading to the right in the Northern Hemisphere are clear-cut signs of a new solar cycle, according to NOAA experts. The first active regions and sunspots of a new solar cycle can emerge at high latitudes while those from the previous cycle continue to form closer to the equator.

While experts vary in their predictions on when the solar cycle will peak and how strong it will be, NOAA, in April 2007, in coordination with an international panel of solar experts, predicted that the next 11-year cycle of solar storms "would start in March 2008, plus or minus six months, and peak in late 2011 or mid-2012." In the cycle forecast issued in April 2007, half of the panel predicted a "moderately strong cycle of 140 sunspots, plus or minus 20, expected to peak in October 2011. The other half predicted a moderately weak cycle of 90 sunspots, plus or minus 10, peaking in August 2012. An average solar cycle ranges from 75 to 155 sunspots. The late decline of Cycle 23 has helped shift the panel away from its earlier leaning toward a strong Cycle 24. The group is evenly split between a strong and a weak cycle."

NASA's Hathaway, along with colleague Robert Wilson at a meeting of the American Geophysical Union in San Francisco last month, said that Solar Cycle 24 "looks like it's going to be one of the most intense cycles since record-keeping began almost 400 years ago." They believe the next solar maximum should peak around 2010 with a sunspot number of 160, plus or minus 25. "This would make it one of the strongest solar cycles of the past fifty years -- which is to say, one of the strongest in recorded history." Four of the five biggest cycles on record have come in the past 50 years. "Cycle 24 should fit right into that pattern," Hathaway said.

According to Carl Luetzelshwab, K9LA, "As for improvement in propagation on the higher bands, we still have a way to go before that happens, and it depends on the magnitude of Cycle 24. The Solar Cycle 24 Prediction Panel has published predictions for Cycle 24, but unfortunately the panel did not reach one consensus

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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>.

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	e-mail: wb6yru@ix.netcom.com	

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 and N0ARY BBS 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 (San Jose). User ports: 144.93 (1200 baud), 433.37 (9600 baud), telephone 408 259-8497.. Sysop: Gary Mitchell, WB6YRU (packet info: www.n0ary.org/ncpa)

TELEPHONE NUMBERS

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

prediction. If the larger of the two predictions comes true, we should expect consistent F2 propagation on 10 and 12 meters to start toward the end of 2009. If the smaller prediction comes true, this will be delayed about one year."

Luetzelschwab, who writes the column "Propagation" for the National Contest Journal (NCJ), continued: "While we wait for improved high band conditions, don't forget the low bands. Around solar minimum and for the next year or so, the Earth's geomagnetic field is at its quietest. This is good for low band propagation. Thus, right now is the time to start (or add to) your 80 and 160 meter DXCC efforts."

According to NASA's Tony Phillips, many forecasters believe Solar Cycle 24 will be big and intense. "Solar cycles usually take a few years to build to a frenzy and Cycle 24 will be no exception. We still have some quiet times ahead," says Hathaway.

From *The ARRL Letter*, January 25, 2008

AIR FORCE ADDS MORE REPEATERS TO CALIFORNIA PAVE PAWS PROBLEM LIST

A second round of testing by US Air Force engineers has resulted in the identification of an additional seventy-five 70 cm repeaters in Northern California that must adjust their operations to eliminate harmful interference to the PAVE PAWS Updated Early Warning Radar (UEWR) located at Beale Air Force Base near Sacramento. As a result of these additions, new strategies for handling the situation are being put into place by the ARRL and the FCC.

"While ARRL knew that there was the possibility of additional repeaters being added in the follow-up list of those requiring mitigation, we are surprised by the large number of additions to the list," said ARRL Regulatory Information Manager Dan Henderson, N1ND. "After our discussions with FCC officials, they are becoming actively involved in ensuring that the correct repeaters have been identified and that the mitigation being required is what is actually needed to resolve the ongoing problem in each case."

Henderson continued: "From the discussions with the Air Force, it is clear that the PAVE PAWS issue is going to be a continuing process. The ARRL needs to be involved since there can be additional repeaters identified as the Department of Defense continues testing at their radar sites."

To expedite any new mitigation actions needed due to the enlarged list, the FCC has now taken on the lead role of making initial contact with the owners of these newly identified repeaters. "The FCC has asked the ARRL to continue its work of aiding affected repeater owners with suggested mitigation actions," Henderson stated. "However, since any mandatory enforcement action would have to come from the FCC, it makes sense for them to take the lead at this point in time."

The ARRL will continue to provide information to individual repeater owners on specific mitigation techniques as well as information to the general amateur population. "We are committed to continuing to work with the Department of Defense, FCC and the Amateur Radio community to meet the amateurs' responsibilities as secondary users. But we are not an enforcement agency. Our goal is to ensure that the impact on amateurs in the 70 cm band is the least possible, consistent with those responsibilities," Henderson said.

A teleconference was held between representatives of the DoD, FCC and ARRL on Thursday, January 17 to assess the status of the repeaters on the initial DoD list, as well as discuss the strategies for

working with repeater owners on the new, second, follow-up DoD list as quickly as possible.

During this conference call, Riley Hollingsworth of the FCC confirmed he had been in contact with repeater owners from the first DoD list who had not indicated their compliance with mitigation numbers provided by the ARRL in early Fall 2007. Hollingsworth reported he has had a positive response from each owner with whom he had spoken so far. There were several who had to be contacted via regular mail (instead of e-mail or telephone) who have not yet responded.

Hollingsworth also planned to start making contact with the owners of repeaters on the second list and begin the process towards amateur compliance within a short period of time. "Once a repeater owner has been contacted, the ARRL is ready to support their efforts in meeting the mitigation requirement," said Ed Hare, W1RFI, ARRL Laboratory Manager.

ARRL General Counsel Chris Imlay, W3KD, pointed out that any specific enforcement action or shut-down order from the FCC involving amateurs also provides for due process in those proceedings. He emphasized that even though amateurs have a secondary allocation status in the band, the DoD has the burden of proving that specific repeaters are causing harmful interference on a case-by-case basis.

500 KHZ DISTANCE RECORD SET

On January 17, Neil Schwanitz, V73NS/WD8CRT, on Roi-Namur in the Marshall Islands, received a signal from experimental station WD2XSH/20. This experimental station, operated by Rudy Severns N6LF, is located in Cottage Grove, Oregon -- 4737 miles away from the island in the Kwajalein atoll. The 13 words-per-minute CW transmission was copyable by ear and also appeared in the Spectran capture. During this same week, the Belgian BIPT (the equivalent of the FCC) granted Belgian amateurs with full licenses access to 501-504 kHz with up to 5 W ERP; this is the first general amateur allocation at 500 kHz. The ARRL 500 kHz experimental license, WD2XSH, was issued in September 2006 and has 20 active stations. Fritz Raab, W1FR, of Vermont, serves as experimental project manager for The 500 KC Experimental Group for Amateur Radio <<http://www.500kc.com/>>. Additional information can be found at the experiment's Web site and also in the July/August 2007 issue of QEX <<http://www.arrl.org/qex/2007/07/raab.pdf>>.

New Members

SCCARA would like to welcome these new amateurs to the club (in "callbook" order):

Richard Kors, KM6EP
Chris Olds, KI6NUN
Dave Brady, KI6NUO
Pete King, KI6NVM
Dick Crouch, N6RC

If you have any questions, ideas, or comments about SCCARA or any activities, please don't hesitate to ask.

Meeting Minutes

General Meeting, Jan. 14, 2008



The meeting was called to order at 7:32 PM with introductions. At the beginning of the meeting there were 23 members and 6 guests were present. At the end there were 27 members and two guests! --The president briefly mentioned upcoming events: the California DX convention in Visalia 4/26-4/28, and the Monterey Radiofest '08 on 2/23-2/24.

Evening Program: The featured speaker was Red Vernier, W6ALC. Red spent a lot of time working in southern China, when he wasn't visiting local ham clubs and taking pictures of everything that didn't run from him in fright. He will be going back again in March and plans to operate from D7P for the CQWW SSB contest. Red talked about ham radio training and licensing in China, the exceptionally high level of skill achieved, and the fun he had coaxing a visitors operating permit out of the Chinese bureaucracy. Operating the Chinese stations proved to be easy because they have the same equipment we do. Communications face-to-face proved fairly easy too; when English failed, CW was used!

Closing Remarks and Announcements:

- Jim Tyranski took time to individually recognize the hard work of all the people who have made club projects so successful the past year.
- The club station will be open again this month after the SVECS breakfast on 1/26.
- The club web site needs to be expanded, with additional pictures, a sale/swap board, etc. Jim is looking for volunteers to help with the project.
- The field day site at Mt. Madonna has been reserved for this year, and an IT person is needed to plan and set up the computer logging.

The meeting was adjourned formally at 9:30 PM.

Minutes submitted by Mike Aronoff

Board Meeting, Jan. 21, 2008



The meeting was called to order at 1940 hours.

The following members were in attendance: Fred Townsend, AE6QL, Vice President Don Steinbach, AE6PM, Director & Treasurer Wally Britten, KA6YMD, Director Lou Steirer, WA6QYS, Director Ned Tufekcic, AC6YY, Director Don Village, Director & Trustee Mike Aronoff, WB0TOW, Secretary John Parks, W6JPP, Activities Chairman Gwen Steirer, KF6OTD, guest and social conscience

In the President's absence, the Vice President presided.

Secretary's Report - The minutes were as published in the last SCCARA-GRAM. There were no corrections requested. There have been 56 membership renewals to date (60%).

Treasurer's Report - Current account balances were \$2257.51 in checking, \$6,285.00 in savings, and \$495.25 cash-on-hand for a total of \$9037.76. This includes \$1001 in 2008 dues to date. Pending expenses are field day reservations (\$438), flea market (\$1500), phone (\$32), repeater, and BBS move.

Club Station Trustee's Report - - The next station operating date (was) January 26th, after the SVCES breakfast. - Field day reservations have been made for Mt. Madonna. The cost is slightly higher this year.

Vice President's Report - - The speaker for the February general meeting will be Elecraft. The dinner meeting is in March. Don Smith is tentatively (re-)re-scheduled for a talk on EMI in April. - There was a discussion of the appropriateness of conducting a business meeting that members must pay to attend. However, Hometown Buffet let members attend the meeting without eating last year. We will look at other venues for next year. - Fred reported that Gary has submitted his resignation as chairman of the bylaws committee. He then asked members of that committee to stay after the regular meeting for a brief discussion.

Webmaster's report- No new activities.

Repeater Report- There have been no changes.

Newsletter Editor's report - Editor not present.

Activities Chairman's Report - - The trip to Force 12 is pending their reply with a date. - A mini-field day weekend to Angel Island is being indefinitely postponed due to a change in administration and policy on the island. (Note that such an operation has been done before, and even made it to the cover of QST.) - A Spring picnic is also in the works, to be held in the park behind the Santa Clara Senior Center. John will present the date at the next board meeting. - There were 18 people who made it to the ARRL VHF contest on Skyline Drive on 1/19. Operations were on 6m, 2m, 220 and 440 SSB. Del was the only reported casualty of the terrain, but is okay. - It was moved by Ned and seconded by Don Village that John Parks be reimbursed \$15.90 for generator gas for the contest. The motion passed without objection.

Old Business:

- BBS Relocation. After a long string of emails, Gary has started the move of the BBS to Mt. Umunhum. (Note: on 1/22 Gary sent a progress report on the move to the board email distribution.)
- Written instructions for the Red Cross station are still in the works. Don Steinbach and Lou will work on them at the next open station operation.
- The storage locker was waterproofed and covered by Lou, Gwen, John Parks and Clark. It is now undergoing rigorous testing.

New Business:

-A complete and working 440 Motorola repeater with controller, duplexer, hard line, and cavities has become available locally. Jim Tyranski has arranged to buy it to keep it available. The total cost including channel elements and crystals would be under \$500. The board will wait for Jim to return before deciding how (or whether) to proceed. The order to Kenwood is on hold for lack of activity on their part. Note: The Air Force and FCC have just increased the number of repeaters alleged to be interfering with the PAVE PAWS radar. Notification of the new lucky winners is due from the FCC shortly.)

The meeting was adjourned at the amazing time of 2030 hours.

Minutes submitted by Mike Aronoff, Secretary

SCCARA's VHF contest effort, Jan 19-21, 2008, on Skyline Blvd.

Photos by Dick Kors, KM6EP



The SCCARA VHF Contest site off Skyline Blvd west of Page Mill above Palo Alto and Stanford. Operations were on 144, 220, and 440 MHz bands.

There's always time for a BBQ burger and a chance to enjoy the view from 2000 ft.



At times operations were tense, but generally the atmosphere was relaxed.



Guest are welcome. A former "rover", operating for SCCARA on 220 MHz, finds fixed mode more enjoyable and rewarding.

Packet Pieces

Downloaded from the packet network:

=====
Date: 11 Jan 2005 05:54
From: W1GMF@W1GMF
To: HUMOR@USA
Subject: HUMOR FOR TODAY 0111

Useful Excuses For Not Going To Work:

- * If it is all the same to you I won't be coming in to work. The voices told me to clean all the guns today.
- * When I got up this morning I took two Ex-Lax in addition to my Prozac. I can't get off the john, but I feel good about it.
- * I set half the clocks in my house ahead an hour and the other half back an hour Saturday and spent 18 hours in some kind of space-time continuum loop, reliving Sunday (right up until the explosion). I was able to exit the loop only by reversing the polarity of the power source exactly $e \cdot \log(\pi)$ clocks in the house while simultaneously rapping my dog on the snout with a rolled up Times. Accordingly, I will be in late, or early.
- * I can't come in to work today because I'll be stalking my previous boss, who fired me for not showing up for work. OK?
- * I have a rare case of 48-hour projectile leprosy, but I know we have that deadline to meet.
- * I just found out that I was switched at birth. Legally, I shouldn't come to work knowing my employee records may now contain false information.
- * The psychiatrist said it was an excellent session. He even gave me this jaw restraint so I won't bite things when I am startled.
- * The dog ate my car keys. We're going to hitchhike to the vet.
- * I prefer to remain an enigma.
- * My mother-in-law has come back as one of the Undead and we must track her to her coffin to drive a stake through her heart and give her eternal peace. One day should do it.
- * My wife makes more money than I do, so I have to stay at home with our sick son.

Daily Thoughts

"Imagination is more important than knowledge, for knowledge is limited while imagination embraces the entire world."

"Never trust a man who says he's the boss at home. He'll probably lie about other things too."

"There are bigger things in life than money -- bills, for instance."

Last Laugh

A lady was trying to impress those at a party. "My

family's ancestry is very old," she said. "It dates back to the days of King John of England." Then turning to the lady sitting quietly in a corner she asked condescendingly: "How old is your family, my dear?"

"Well," said the woman with a quiet smile, "I can't really say. All our family records were lost in the flood."

=====
Date: 29 Nov 2005 22:50
From: ZL3AI@ZL2BAU
To: HUMOUR@WW
Subject: Opinion/Staring/Photos

Opinion

Writer: What do you think of my joke book? Give me your honest opinion.
Editor: It isn't worth anything.
Writer: I know, but give it to me anyway.

Ten Responses To Being Stared At

1. Stare back until they look away or blink, then loudly announce: "I win again! Champion of the staring contests!"
2. Nudge somebody nearby, whisper "Is that person staring at me?" and point surreptitiously. Repeat until target is thoroughly discomfited, just as you usually are when people point and whisper and stare.
3. Say "I know! Isn't it fa-bulous?" and toss your hair, smooth your shirt, or modestly admire your manicure. "I know that people can't help staring at my marvelous wardrobe / hair color / cell phone. It's a good thing I don't mind attention."
4. Flutter your eyelashes, giggle, and say "Do you fancy me, then?" in a carrying voice. "You're staring so much, I think you must be in love. Teehee."
5. "Keep staring. I might do a trick."
6. (Especially after no.5. above.) Fake a seizure, sudden pain, or death rattle, followed by yelling "Ha! Fooled you!"
7. Ask them if they've found a higher power for their lives.
8. Make disgusting faces until they look away. If called on your rudeness, apologize and explain that your doctor's prescribed these therapeutic face exercises, and offer to demonstrate.
9. Attempt to engage them in friendly, normal conversation about the weather. If this doesn't work, start to drool mid-sentence.
10. Ask them if they can spare some change.

73, David ZL3AI.

=====

Date: 28 Nov 2005 13:50
From: ZL3AI@ZL2BAU
To: HUMOUR@WW
Subject: Stomach/Scale

Stomach

A man was having some stomach problems. His doctor told him he had to drink warm water with Epsom salts one hour before breakfast. At the end of a week he returned and the doctor asked if he was feeling better. The man said that he actually felt worse. "Did you drink warm Epsom salt water an hour before breakfast each day?" the Doc asked.

"No," replied the man somberly, letting out a sigh. "I could only do it for about 5 minutes!"

Scale

There's a sign above the scale in my doctor's office that says "Pretend it's your IQ."

73, David ZL3AI.

Date: 8 Jan 2005 14:23
From: W1GMF@W1GMF
To: HUMOR@USA
Subject: HUMOR FOR TODAY 0106

A Sunday school teacher asked her class, "What was Jesus' Mother's name?"

One child answered, "Mary."

The teacher then asked, "Who knows what Jesus' Father's name was?"

Another child said, "The Verge."

Confused, the teacher asked, "Where did you get that?"

The little one said, "Well, you know, they are always talking about The Verge 'n Mary."

Daily Thoughts

"My friends have two children. The first is a college graduate and the other one isn't working either."

"My daddy is a movie actor, and sometimes he plays the good guy, and sometimes he plays the lawyer."

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 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.

Antennas, feed-lines, tuners: WB6EMR, K6PBQ, WB6YRU
Lightning protection, grounding: WB6YRU
Station set-up, equipment: K6PBQ
TVI/RFI: WB6YRU
Homebrew projects, construction: KD6FJI, WB6YRU
Computers: KB6NP; IBM PC: WB6YRU
Packet Network (BBS, forwarding): WB6YRU
Code operating and installations: WB6EMR, K6PBQ
DX (long distance/propagation): WB6EMR
Emergency operating/preparedness: WA6QYS
FM (VHF/UHF, repeaters):
HF operating techniques (SSB, CW): WB6EMR, K6PBQ
Classes/license upgrading: W6ACW
Legal/FCC rules: WB6YRU
SCCARA (club inner workings): K6PBQ, WB6YRU, WA6QYS
Children's Discovery Museum, volunteer operator: K6PBQ
EchoLink: KK6MX

W6ACW, Ed Hajny, (408) 739-6105

WB6EMR, James D. Armstrong, Jr.,
evening & msg: (408) 945-1202

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

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

KB6NP, Jon Dutra, day & msg (408) 428-2058
evening (408) 867-8654
packet: home BBS NOARY
e-mail: jad@aol.com

K6PBQ, Don Village, (408) 263-2789

WA6QYS, Lou Steirer, (408) 241-7999
packet: home BBS NOARY

WB6YRU, Gary Mitchell, msg (408) 265-2336
also (408) 269-2924
packet: home BBS NOARY
e-mail: wb6yru@ix.netcom.com

Newsletter Notes

Once in a while someone will submit photos for the *SCCARA-GRAM*, we have a few in this issue! It's great having some photos now and then, isn't it?

All would be photojournalists, please take note: most of the time a photo isn't quite worth a thousand words. You have to fill in a few more of your own to round it out.

A full story is best, but at least provide a caption for each photo. In particular—when taking the photo in the first place, jot down the name and call of the person or people in the shot. We want to identify the folks in the picture. After all, most people like see their name in print, don't they? So, try to include that. I'm sure they'll appreciate the effort. And in the process, it's a good way to meet some new friends.

73, Gary WB6YRU, editor



SCCARA

Santa Clara County Amateur Radio Association
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Affiliate of the ARRL,
American Radio Relay League



FIRST CLASS

ADDRESS SERVICE REQUESTED

SCCARA Membership Form for 2008

(Fill in name and call only if renewing and no info has changed)

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

Annual membership dues are payable at the first of the year and expire the following December 31.
New members joining on or after July 1, pay half the membership dues.

Annual Membership dues: \$20 Individual \$25 Family \$10 Student (under 18)
For family memberships (at the same address), please include a separate form for each family member.

I want the newsletter by: U.S. Mail internet (make sure your e-mail address is legible and correct)

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