

SCCARA-GRAM



Santa Clara County Amateur Radio Association

Volume 16, Number 7

October 2000



President's Prose

Everything has been removed from John Tanner's home that was willed to SCCARA and placed in the current storage locker. Not everything he had was useful to us. When we move things from the storage locker to the new storage site, we are going to try to separate things into three piles: good, bad, and the ugly. We will keep the good. The bad and the ugly will become someone else's treasure via a flea market or through a publicized list in a future SCCARA-GRAM. The ugly items may only be good for trash. I want to say thank you to all those who showed up at John Tanner's for the final removal, then taking it to the storage and somehow managing to fit it all into the locker while I was out of town.

The large three section crank-up tower was removed by the person who accepted our price bid. He was happy to acquire the tower.

The Hammer School Radio Room project has been terminated by the School. Although within the last three weeks, the district staff finally completed the work of removing and capping the toilets and sinks in the room that would have been our storeroom, the School has reclaimed both rooms for the school's use. At least this happened before we had invested our time and effort into fully establishing the radio room, and before we had unloaded all the stored items that we had removed from the paid locker on 9/14. They stated that adding several new classes required them to regain more storage space. The principal, Joanne Pittman, has told me that Ron Edwards is aware of the situation and is going to try to find another place for SCCARA in the district. I will be talking with him during the week of September 18 to 22. More reports at the next meeting or on the Monday night nets. I am disappointed that the school canceled our radio room and store room at the school, but I understand their need for space at the school.

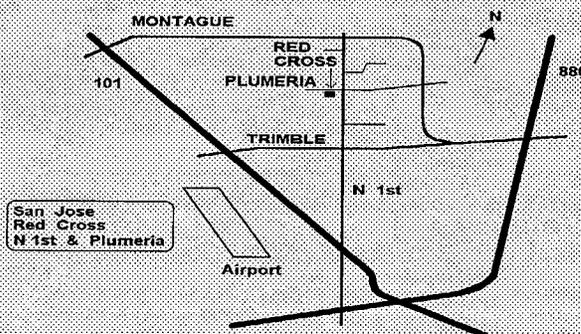
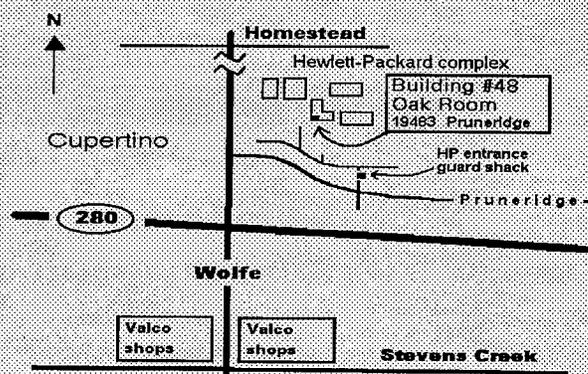
The September meeting was held at Regional Medical Center (formerly Alexian Bros Hosp). It was a very nice meeting. Our guest speakers for the night were Rod

Calendar

- 10/9 SCCARA General Meeting
- 10/14 Foothill Flea Market--WE HOST!
- 10/16 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)
- 10/20-22 Pacificon

General Meeting:

- Day: Monday, Oct. 9, 2000
- Time: 7:30 PM
- Place: Hewlett-Packard's Oak Rm. Bld #48
- Featuring: to be announced



The **SCCARA-GRAM** is published monthly by the **SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION**, PO Box 6, San Jose CA 95103-0006. Permission to reprint articles is hereby granted, provided the source is properly credited. **The deadline for articles is one week before 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>.

OFFICERS - DIRECTORS - STAFF

President	Barbara Britten, KD6QEI	293-3847
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	e-mail: wn6u@aol.com	
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	e-mail: ka6ymd@juno.com	
N0ARY BBS	Gary Mitchell, WB6YRU	265-2336
	e-mail: wb6yru@aenet.net	

SCCARA REPEATERS

SCCARA owns and operates two repeaters under the call W6UU:
 2 meter: 146.385 + PL 114.8 (none for basic use)
 70 cm: 442.425 + PL 107.2

Phone auto-dial and auto-patch is available). The two meter repeater is located in the Mt. Hamilton foothills, Alum Rock area. The 70 cm repeater and N0ARY BBS is located at the Alexian Brothers Hospital, 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 K6PBQ. On ten meters, 28.385 MHz USB, Thursdays at 8:00 PM. Net control: Wally 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, internet (by registration only, get info by sending e-mail to: info@n0ary.org). Sysop: Gary WB6YRU

TELEPHONE NUMBERS

SCCARA contact Clark KE6KXO: 408 262-9334
 ARRL/VEC Silicon Valley VE group: 408 243-8349
 me-ae6z@worldnet.att.net

Stafford, W6ROD, the current ARRL vice president of International Affairs, and Jim Maxwell, W6CF, Director for the Pacific Division. After the meeting, we went to see the area that will become our radio station at the hospital. The only thing in place now is the desk that will be used to house the radios at the station. The next step in getting that room ready is to put in the cable for the radios. Wally has suggested that we use three cables, two low loss coaxes (one for HF and one for VHF/UHF) and one control cable for the HF switch of the 757 Yaesu. To get this work done we need three or four people to get together to work with one of the hospitals engineers. Paul Tucker, head of engineering at the hospital, has said that he will make an engineer available to work with us when ever our team is ready. Wally will also coordinate that effort.

We had two new amateurs at our meeting in September. They are Joanne and Bill Long. They are also Red Cross volunteers and will be using their new skills in Disaster Services. I hope they will come back to see us often.

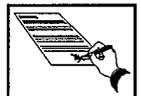
I have chosen to run again for President. There are still openings for Vice President and Secretary. I have talked with Doug Eaton and he has told me that he will not run for secretary for next year. The position of secretary is a very important one. If you know of anyone who is willing to take this position, please let an officer know, or better yet, come to the next meeting and tell us. Elections are to be held in November, with installation at the December Christmas dinner.

All should have enjoyed our club picnic on Sunday, Sept 24, at Mary Gomez Park.

PACIFICON in Concord, CA at the Airport Sheraton Hotel, Oct 20, 21, 22. Hope to see you there.

Our next meeting will be back at Hewlett Packard in Cupertino. Please come and put your nominations in for next year's officers, and be with our other club members. I am always glad to see our members at meetings, the more the merrier.

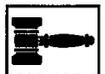
If you have any questions, comments, or info, please don't hesitate to call or reach me by snail mail or e-mail. I will try very hard to get back to you ASAP.



73.... Barbara Britten, KD6QEI, President

Meeting Minutes

General Meeting, Sept. 11, 2000



Meeting was called to order at 7:33 PM by pres. Barbara Britten, KD6QEI, in the Peppertree room at the Regional Medical Center (formerly Alexian).

Our speakers were Jim Maxwell W6DF, Pacific Division Director, and Rod Stafford W6ROD, VP International Affairs. Jim Maxwell spoke on the CA antenna bill SB-1714. Jim urges us to write a letter to Gov. Gray Davis for his support of the bill. Jim also defined the duties of ARRL officers.

Everyone must comply with RF safety on 9/1/2000. Rod Stafford spoke on WARC 1979-1992 and WRC, held every three years. The U.S. may have 140 delegates at the WRC, but every country only has one vote each. WRC in 2003 will have details on the 70 cm band. IARU WRC in 2003 will also work on keeping 40 meters to 300 kHz.

Attendance: 21, including two visitors (Joanne KG6CSX and Bill KG6CSY).

Treasurer's report: \$7329.84 savings and \$150.59 checking.

President's report: Tanner estate is now in our storage locker. Hammer school store room is now ready, move-in dates: Thurs 9/14 at 10 AM and Sat 9/23 at 10 AM.

Repeater report: The repeater may be on battery power. Wally will headed up a crew of three or four people to Regional Medical Center with the antenna cables (two coax and one control cable).

BBS: BBS is working fine.

Flea Market: Sat. Oct. 14. Sign up to help, see Lou WA6QYS. We need more people.

SVECS breakfast on Sat. Oct 28 at Santa Clara Senior Center.

Christmas Luncheon on Sat. Dec. 9 at Hungry Hunter in Milpitas at 12 noon.

Officer nominations for 2001:
Pres Barbara Britten KD6QEI
VP -
Sec. -
Treas. Lloyd DeVaghns KD6FJI
Dir. two spots open

Adjourned 9:55 PM

Don Village, K6PBQ

Board Meeting, Sept. 18, 2000



Doug Eaton, WN6U, Secretary

Treasurer's Treatise

Lloyd, KD6FJI

Secretary Says

Doug, WN6U, Secretary

Station Status

Stan, WA6VJY, Station Trustee

Repeater Report

Wally, KD6YMD, Repeater Committee Chair

ARRL News

The ARRL Letter, September 8, 2000

IARU REGION III CONFERENCE CALLS FOR MORSE EXAM PHASEOUT

The 11th International Amateur Radio Union Region III Conference ended September 1 by resolving to seek the ultimate removal of Morse code proficiency as an International Telecommunication Union licensing requirement for HF operation. As "an interim measure," the conference agreed to support the reduction of all Morse code testing speeds to 5 WPM.

"IARU Region III strongly supports Morse code as an effective and efficient mode of communication," the resolution said in its preamble. "However, it believes that the position of Morse as a qualifying criterion for an HF amateur license is not relevant to the healthy future of amateur radio."

The resolution urged IARU Region III member societies to

seek an interim 5 WPM Morse code testing requirement while looking toward eventually eliminating the Morse requirement altogether. "We recommend that, setting aside any previous relevant decisions of earlier Conferences, a policy of the removal of Morse code testing as an ITU requirement for an amateur license to operate on frequencies below 30 MHz be adopted by IARU Region 3," the Conference resolution declared.

Voting in accordance with ARRL Board policy, International Affairs Vice President Rod Stafford, W6ROD, cast the lone dissenting vote on the League's behalf, although he voted in favor of an earlier motion to support 5 WPM as the top code speed for testing. The Hong Kong Amateur Radio Transmitting Society abstained. The Asian and Pacific region's other member societies favored the resolution.

The Region III Conference, meeting in Darwin, Australia, recommended that the IARU Administrative Council adopt its position as IARU policy. Meeting September 3-4 in Darwin, the Administrative Council declined to act on the policy recommendation, however, until after the Region II conference next October in Guatemala.

Conference delegates addressed another concern related to ITU Radio Regulation S25, which requires that applicants demonstrate Morse proficiency to operate below 30 MHz. Some delegates worried over wording in a preliminary draft recommendation that includes reference to "radio telegraphy" among amateur license operating skills. Delegates were told that the ITU defines "radio telegraphy" to mean all digital modes, not just Morse. In a motion proposed by the Radio Society of Great Britain and seconded by the ARRL, the conference requested that the IARU Region III representatives to the IARU Administrative Council propose replacing the term "operating skills" with "methods of communication."

The conference also reaffirmed the IARU's determination to obtain an exclusive worldwide allocation of no less than 300 kHz in the vicinity of 7 MHz. Region III IARU directors were instructed to "treat achievement of this objective as a matter of the highest priority." The conference also supported seeking an Amateur Radio HF allocation in the vicinity of 5 MHz and a low-frequency allocation in the vicinity of 136 kHz or 160 to 190 kHz.

In addition to Stafford, those attending the conference from the US included IARU President Larry Price, W4RA; ARRL Executive Vice President and IARU Secretary David Sumner, K1ZZ; and ARRL Technical Relations Manager Paul Rinaldo, W4RI.

The next IARU Region III Conference will be held in Taipei, Taiwan, in September 2003.

--IARU; WIA

FCC ASSIGNS RM NUMBER TO LEAGUE PETITION

The FCC has assigned rulemaking number RM-9949 to the ARRL's petition requesting that the Commission elevate the domestic status of Amateur and Amateur-Satellite services from secondary to primary in the band 2400 to 2402 MHz. The League filed a Petition for Rule Making with the FCC on July 17. Amateurs already are primary at 2390 to 2400 and from 2402 to 2417 MHz. The ARRL says it's necessary to secure the intervening spectrum slice "to provide some assurances of future occupancy of the band segments for the next generation of amateur satellites," including Phase 3D. Comments supporting or opposing the petition are due by the end of September. To file comments in this proceeding, visit the FCC's Electronic Comment Filing System page, <http://www.fcc.gov/e-file/ecfs.html>

The ARRL Letter, September 15, 2000

UK-CANADA CROSS-BAND LF QSO COMPLETED

In the spirit of the early transatlantic tests, a cross-band LF-HF contact between the United Kingdom and Canada was completed September 10. The contact involved well-known LF'er Dave Bowman, G0MRF, operating on 135.711 kHz and John Currie, VE1ZJ, on Cape Breton Island, Nova Scotia, Canada, operating on 20 meters.

"Dave had a surprisingly strong signal into FN95, Cape Breton Island," Currie said in an e-mail message to Andr' Kesteloot, N4ICK, who's involved with the AMRAD LF experiment in the US.

Using spectral software, Currie reports that he observed "weak dashes" from G0MRF just after 2205 UTC on September 9. He says noise was extremely low. Shortly after sunset on Cape Breton Island he observed a lot of dashes. "It looked like G0MRF was coming across the pond," he said. Bowman's signal was never audible in Canada.

Currie said he had "solid copy on G0MRF" by 2245 UTC, and the cross-band QSO was completed on September 10 at 0008 UTC. "I could see every dot and dash," he reported. By 0100 he could no longer copy the signal, and by 0250 UTC they were fading. "I did not see them on the spectrogram again," he reported.

Bowman says he was operating from a 15th floor West London apartment, the home of Sean Griffin, 2E1AXK. The antenna was two sloping 250-foot long wires about 80 degrees apart. Grounding was via the building's plumbing. Loading involved fixed and variable inductors. Bowman estimated maximum power into the antenna at 700 W, but at one point, he dropped his power to about 320 W and VE1ZJ was still copying. "Even allowing for the large antenna, I believe this shows that many UK/EU stations will be able to

make the transatlantic path this winter," Bowman said.

Canada has not yet authorized Amateur Radio operation at 136 kHz, but some stations have been given permission to experiment there. Larry Kayser, VA3LK, and Mitch Powell, VE3OT, completed the first two-way LF contact in Canada on July 22 on 136 kHz, using very slow-speed CW (dubbed "QRSS"). Kayser is testing equipment and processes in preparation for the TransAtlantic II attempt on LF set to occur November 10-27 from Newfoundland. TransAtlantic II will attempt to span the Atlantic in both directions on LF. Details on the project are available at <http://www.rac.ca/vlftest.htm>.

Bowman's "G0MRF Projects Web-Site" is at <http://www.g0mrf.freemove.co.uk/>.

The Amateur Radio Research and Development Corporation--AMRAD--has been involved in a low-frequency experimental beacon project in the Northern Virginia-Washington, DC vicinity. AMRAD has been conducting tests on 136.75 kHz from 12 Northern Virginia sites using the experimental call sign WA2XTF. Visit the AMRAD Web page for more information, <http://www.amrad.org/>.

The ARRL has petitioned the FCC for two low-frequency amateur allocations.

SETI LEAGUE RECEIVES MOON-BOUNCE GRANT

The SETI League Inc has received a small equipment grant from the American Astronomical Society to help it construct a transmitter to bounce microwave signals off the moon's surface. The project, "A Lunar Reflective Test Beacon for Radio Astronomy and SETI," will enable amateur and professional radio astronomers to calibrate their receiving systems by providing a stable reference signal from a known point in the sky. "We should be ready to start bouncing interesting microwave signals off the lunar surface early in 2001," said Paul Shuch, N6TX, the SETI League's executive director. The SETI League, a nonprofit organization that's spearheading a privately funded search for evidence of extraterrestrial life--has 1200 members in 59 countries. Many of them also are Amateur Radio operators. For more information, visit the SETI League Web site, <http://www.setileague.org> or email info@setileague.org.

--SETI League news release

December Meeting

Our annual Christmas meeting this year will be a luncheon again instead of a dinner. It will be held on Saturday December 9 at the Hungary Hunter in Milpitas,

(Calaveras Blvd just off Hwy 680, old yellow house location).

Lunch is at 12 noon. Please note that on Saturday, there isn't a regular bar, but you will be able to order a bottle of wine for the table.

This year we will not be having the raffle prize drawings. Instead we will have a gift exchange. The way it works is that everyone brings a wrapped gift suitable for a man or woman costing about \$8-\$10. This type of gift exchange is always a lot of fun to participate in.

Reservations need to be in by Friday Dec. 1 (see sign-up sheet). Talk-in will be on our repeater, W6UU, 146.385+. Why not renew your membership at the same time?

I'm looking forward to seeing all of you there!

73, Don K6PBQ

Items for Sale

The following items came from the Tanner estate and are to be sold at the next flea market (Oct 14). Members have first crack at them. See Don K6PBQ or Pres. Barbara KD6QEI.

Make and model est. value

Receivers:

Hammerland SP600 (gen. cov.)	\$50
Peterson PR10	\$25
Stewart Warner R392 (military)	\$350
Lafayette HA600 (SWL)	\$35
Hallicrafters S85 (gen. cov.)	\$10
Gonset 6-10-15 meter	\$25

Transceivers:

Gonset Communicator III	\$120
Gonset 3136 (6 m, AM)	\$25
Regency HR2 (2 m, FM)	\$20

Oscilloscope:

Heathkit 10-4530 (10 MHz)	\$15
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Packet Pieces

Downloaded from the packet network:

Date: 31 Jan 99 05:22
From: AB7RG@K5LRS
To: FARCE@USA
Subject: The Three Men...

Three men were talking about when they would die. The question was asked, "What would you like for your friends and family to say about you as they view your body in the casket?"

The first man said, "I hope they will remember what a hard worker I was and how I took good care of my family."

The second man said, "I hope they will remember what a wonderful husband and father I was. How I took them to church and taught them how to live for God."

The third man said, "I hope as they look at me lying in the casket that someone will say, 'HEY, he's alive!'"

73 & May the FARCE be with you! Clinton, AB7RG.
AB7RG @ K5LRS.#NWAR.AR.USA.NOAM

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 ask the club secretary for an Elmer survey form and fill it out.

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: WN6U, WB6YRU
Packet Network (BBS, forwarding): WB6YRU
Other digital modes (AMTOR, RTTY): WN6U
Code operating and installations: WB6EMR, K6PBQ
DX (long distance/propagation): WB6EMR
Emergency operating/preparedness: WA6QYS
FM (VHF/UHF, repeaters): WA6VJY
HF operating techniques (SSB, CW): WB6EMR, K6PBQ
Mobile operating: WN6U
NTS & traffic handling:
QRP (HF low power, all modes): WN6U
Classes/license upgrading: W6ACW
Legal/FCC rules: WB6YRU
SCCARA (club inner workings):
K06HH, K6PBQ, WA6VJY, WB6YRU, WA6QYS
Children's Discovery Museum, volunteer operator:
K6PBQ

W6ACW, Ed Hajny, (408) 739-6105

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

KD6FJI, Lloyd DeVaughns,
day: (408) 299-8933, evening: (408) 225-6769
packet: home BBS KB6MER

K06HH, Don Hayden, (408) 867-4643
packet: home BBS NOARY

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

K6PBQ, Don Village, (408) 263-2789

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

WN6U, Doug Eaton, (408) 439-8605
packet: home BBS NOARY
internet: wn6u@aol.com

WA6VJY, Stan Getsla, day: (408) 738-2888 x5929,
evening & msg: (408) 275-0735

WB6YRU, Gary Mitchell, msg (408) 265-2336
also (408) 269-2924
packet: home BBS NOARY
internet: wb6yru@aenet.net

Newsletter Notes

What's with all the empty columns in this issue?

At a board meeting not long ago, I mentioned that I start each newsletter with a boiler-plate that I made up to make the job easier. Each month, I call up this "prototype" newsletter and fill in the articles. There are several columns all ready to be filled in with reports and articles from various club officers. Much to my disappointment, each month I delete most of those because nothing has been submitted.

I wondered out loud if it might help encourage these reports if people knew what they were missing each month. Our president suggested I leave the columns in, empty. So, here we are.

If you are interested in reading about these things, please encourage the appropriate people to submit reports and articles.

Also, please don't forget that any articles would be welcome, not just reports. These could be technical, opinions, tips, equipment reviews, predictions for the future, lessons from the past, whatever...anything related to amateur radio.

73, Gary WB6YRU, editor

December Luncheon Meeting Sign-up

Our annual December christmas meeting will be a luncheon this time; on Saturday December 9, at the Hungry Hunter in Milpitas, Calaveras Blvd just east of Hwy 680 (old yellow house location), we've been there before. Luncheon is at 12 noon. Please note that on Saturday there isn't a regular bar. You will be able to order a bottle of wine for the table.

We will have a choice of three entrees. The regular lunch is \$14 each, children's choices are indicated below. Reservations need to be in by Friday, December 1. Talk-in on our repeater W6UU, 146.385(+). I'm looking forward to seeing all of you there. Why not renew your membership (back cover) at the same time? See "December Meeting" article for information on gift exchange.

-- Don K6PBQ

For the annual meeting in December, sign me up for the following lunch(es):
From the regular menu, \$14 each:

_____ Prime Ribs of Beef	_____ Forest Mushroom Chicken
_____ Salmon	

From the Children's menu:

_____ Deli Burger, \$7.50	_____ Chicken Strips, \$7.50
_____ Fried Shrimp, \$8.75	Total for lunches: \$ _____

Please renew your membership (over) at the same time--combine both payments here -- GRAND TOTAL: \$ _____

Give this form (or copy) with payment to the Treasurer or mail to: SCCARA PO Box 6 San Jose CA 95103-0006

Floating Around the Internet...

THE EARLIEST NERDS

And, lo, it came to pass that the trader by the name of Abraham Com did take unto himself a young wife by the name of Dot. And Dot Com was a comely woman, broad of shoulder and long of leg. Indeed, she had been called Amazon Dot Com. And she said unto Abraham, her husband, "Why doth thou travel far from town to town with thy goods, when thou canst trade without leaving thy tent?"

And Abraham did look at her as though she were several saddle bags short of a camel load, but simply said, "How, dear?" And Dot replied, "I will place drums in all the towns and in between to send messages saying what you have for sale and they will reply telling you which hath the best price. And the sale can be made on the drums and delivery by Uriahs' Pony Stable (UPS)."

Abraham thought long and decided he would let Dot have her way with the drums. And Dot said, "There will be a lot of drumming in the land." And the drums rang out and were an immediate success. Abraham sold all the goods

he had, at the top price, without ever moving from his tent.

But his success did arouse envy. A man named Maccabia did secret himself inside Abraham's drum and was accused of insider trading. And the young did take to Dot Com's trading as doth the greedy horsefly to camel dung. And they were called "Nomadic Ecclistical Rich Dominican Siderites, NERDS for short.

And, lo, the land was so feverish with joy at the new riches and the deafening sound of drums, that no one noticed that the real riches were going to the drum maker, one William of Gates, who bought up every drum company in the land. And did, indeed, insist on making drums that would work only if you bought Brother William's drumsticks.

And Dot did say, "Oh, Abraham, what we have started is being taken over by others." And as Abraham looked out over the wide Bay of Ezekial (Ezekial Bay), or as it became known, eBay, he said, "We need a name of a service that reflects what we are." And Dot replied, we are indeed "Young Ambitious Hebrew Owner Operators."

"Whoopee!" said Abraham. "No, YAHOO!", said Dot Com.

by Robert Miller in September 2000 dVINE Blues, newsletter of the Napa Valley PC Users Group.
editor@nvpcug.org

S.C.C.A.R.A. Membership Form for 2001

(Fill in name and address if there is no mailing label below; make corrections if the label is incorrect)

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

Address: _____ Licensed since (yr): _____

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

Telephone: () _____ New Member I'm also an ARRL member
 Renewal

E-mail: _____ Packet: _____

For family memberships (at the same address), please fill out a separate form for each. Indicate the "primary member" (for mailing purposes) name and call:

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: Individual \$15 Family \$20 Student (under 18) \$5 _____

I want _____ SCCARA badges @ \$3 ea. Badge name & call: _____

Please send the repeater Auto-Dial/Auto-Patch codes (no charge, circle): Yes
WE MUST BE ABLE TO VERIFY YOUR AMATEUR RADIO LICENSE
BEFORE ANY REPEATER CODES WILL BE SENT TOTAL: _____

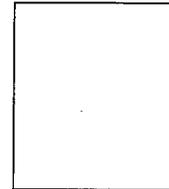
Give this completed form (or copy) with payment to the Secretary or Treasurer at any meeting or mail to the return address below:

===== PLEASE DO NOT TEAR OR CUT FORM =====

**SANTA CLARA COUNTY
AMATEUR RADIO ASSOCIATION**

PO BOX 6
San Jose CA 95103-0006

Affiliate of the American Radio Relay League



ADDRESS SERVICE REQUESTED

FIRST CLASS