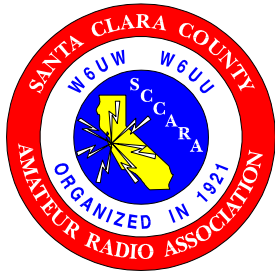


# SCCARA-GRAM



## Santa Clara County Amateur Radio Association

Volume 27, Number 2

February 2011



## President's Prose

The equipment auction sale at the January meeting added some dollars to the SCCARA treasury and (hopefully) returned some equipment to active duty, or at least saved it from the recycle bin. Thanks to John Parks, W6JPP, for coordinating this activity.

Your Directors need some feedback regarding the type of programs you would like to have at our meetings. I hear comments ranging from "too technical" to "they are too social and drink too much coffee." Let me know what you would like to hear at the meetings. Also, I know that many of you are capable of presenting something in your area of expertise at the meetings. If you have a topic that you would like to present, let Fred (AE6QL) know. If you need a hand putting it together to present, Fred or I can help.

The SVECS quarterly breakfast on January 22 was well attended, including several SCCARA members. The program was Rob Goodson speaking on the San Bruno pipeline explosion from a Red Cross and ham radio perspective. I found his presentation on the website at [www.bay-net.org/docs/arc\\_first\\_40.pdf](http://www.bay-net.org/docs/arc_first_40.pdf). It's well worth looking at if you're at all interested in emcomm. Our own Lou Steirer (WA6QYS) is the SVECS Chairman. See the website at [www.svecs.net](http://www.svecs.net) for more information.

The Board is still weighing equipment upgrades, repairs, replacements and relocations, and SCCARA-GRAM costs. Anything we do costs money and we're weighing how to best allocate our (your) funds for the long term.

Finally, don't forget the 2-meter FM net on Monday nights, and the 10-meter SSB net (28.385 MHz USB) on Thursday nights. If you have a license you can join in.

73,  
Don - AE6PM



## February meeting

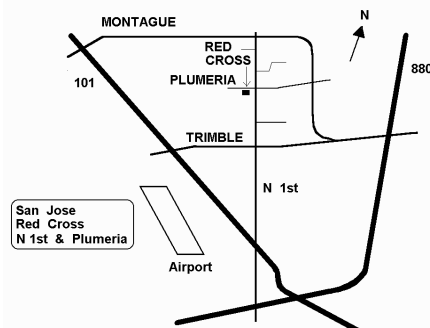
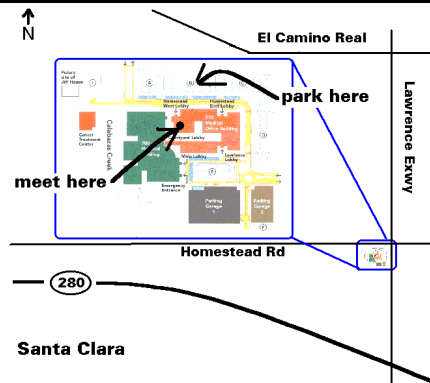
The February SCCARA meeting will feature Rich Harrington, WA6GJF/KN6FW, speaking on T Hunting. As his first call suggests Rich has been at this since 1962. Rich got part of his

## Calendar

- 2/14 SCCARA General Meeting
- 2/21 SCCARA Board Meeting--(San Jose Red Cross, 7:30p, all are welcome)
- 3/14 SCCARA General Meeting

## General Meeting

Day: Monday, Feb. 14, 2011  
Time: 7:30 PM  
Place: Kaiser Santa Clara, Rm 196, 1  
Rich Harrington, KN6FW, will speak  
on transmitter hunting.



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 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**

(all officers are also directors)

President	Don Steinbach, AE6PM	867-3912
	e-mail: <a href="mailto:ae6pm@arrl.net">ae6pm@arrl.net</a>	
Vice President	Fred Townsend, AE6QL	263-8768
	e-mail: <a href="mailto:ftownsend@sbcglobal.net">ftownsend@sbcglobal.net</a>	
Past President	- - -	
Secretary	Viki Moldenhauer, KI6WDS	738-8781
	e-mail: <a href="mailto:vym@comcast.net">vym@comcast.net</a>	
Treasurer	John Altieri, W6HW	
	e-mail: <a href="mailto:w6hw@arrl.net">w6hw@arrl.net</a>	
Station Trustee	Don Village, K6PBQ	263-2789
	e-mail: <a href="mailto:donvillage7@yahoo.com">donvillage7@yahoo.com</a>	
Director	John Glass	
Director	Lou Steirer, WA6QYS	241-7999
	e-mail: <a href="mailto:w6qys@aol.com">w6qys@aol.com</a>	
Director	Wally Britten, KA6YMD	293-3847
	e-mail: <a href="mailto:ka6ymd@arrl.net">ka6ymd@arrl.net</a>	
Director	John Parks, W6JPP	309-8709
	e-mail: <a href="mailto:w6jpp@arrl.net">w6jpp@arrl.net</a>	
Director	Gary Mitchell, WB6YRU	269-2924
	e-mail: <a href="mailto:wb6yru@ix.netcom.com">wb6yru@ix.netcom.com</a>	

**COMMITTEES**

Editor	Gary Mitchell, WB6YRU	269-2924
	e-mail: <a href="mailto:wb6yru@ix.netcom.com">wb6yru@ix.netcom.com</a>	
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	e-mail: <a href="mailto:ka6ymd@arrl.net">ka6ymd@arrl.net</a>	
N0ARY BBS	Gary Mitchell, WB6YRU	269-2924
	e-mail: <a href="mailto:wb6yru@ix.netcom.com">wb6yru@ix.netcom.com</a>	

**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 (Mt Umunhum). User ports: 144.93 (1200 baud), 433.37 (9600 baud), telnet sun.n0ary.org (login "bbs"). Sysop: Gary Mitchell, WB6YRU (packet info: [www.n0ary.org/ncpa](http://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

T-Hunting skills in the US Navy where it is a serious business. Rich is now retired from Pacific Bell so he can devote his time to designing, building, and using DF equipment.

Fred, AE6QL

## Treasurer's Treatise

SCCARA Treasurers Report 2010  
Created by Ned Tufekcic 1/5/2011  
Updated by John Altieri 1/7/2011

	1/1/2010 to 12/31/2010	1/1/2009 to 12/31/2009
<b>INCOME</b>		
Christmas Luncheon	900.00	
Club Dues	1389.00	
Flea Market Food Booth	460.42	
Flea Market Income	4383.50	
Flea Market Table Sale	129.00	
Interest Income	53.49	
SCCARA Badges	24.50	
<b>TOTAL INCOME</b>	7339.91	6,040.83

**EXPENSES**

440 repeater	1738.20	
BBS Expense	602.34	
Christmas Luncheon	770.00	
DC Cord For Kenwood	38.18	
Field Day Expense	912.34	
Flea Market Expense	1625.00	
Generator Parts	54.34	
Insurance	320.00	
Material For Badges	65.84	
Office Supply	22.25	
PO Box Rent	56.00	
Postage	7.50	
Power Supply Parts	19.65	
Projector Bulb	281.89	
SCCARA domain	85.00	
SCCARA-GRAM	1682.22	
<b>TOTAL EXPENSES</b>	8280.75	5,910.48

**TOTAL CASH FLOW** -940.84 130.35

**ACCOUNT BALANCES 12/31/2010 12/31/2009**

Checking	5,193.98	5,718.26
Savings	3,847.03	3,845.45
Cash	0.89	419.03
<b>TOTAL</b>	9,041.90	9,982.74

## ARRL News

From *The ARRL Letter*, January 6, 2011

**BPL: ARRL SHOWS IBEC BPL SYSTEMS ARE INTERFERING, VIOLATING FCC RULES**

Late last month, the ARRL filed a complaint with the FCC, documenting ongoing harmful interference and egregious rules violations by Broadband over Power Lines (BPL) systems installed by IBEC, Inc. in Virginia, Pennsylvania and Indiana. In its filing, the ARRL requested that the FCC "initiate immediately an enforcement proceeding regarding these BPL systems, and cause

them to cease operation until such time as they are each in full compliance with the Commission's Rules."

Contrary to earlier representations -- both to the ARRL and in statements in the online BPL database -- IBEC's systems in these locations are not universally notching the amateur bands as is necessary in order to avoid emissions at levels that are likely to cause harmful interference to licensed Amateur Radio stations. In fact, measurements by ARRL staff that were independently confirmed show that IBEC systems are not even notching the aeronautical bands. The FCC rules require BPL systems to avoid these bands, but IBEC is operating at power levels that cause radiation well in excess of the FCC limits. Read more at [www.arrl.org/news/arrl-shows-ibec-bpl-systems-are-interfering-violating-fcc-rules](http://www.arrl.org/news/arrl-shows-ibec-bpl-systems-are-interfering-violating-fcc-rules).

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## Meeting Minutes

### General Meeting, Jan. 10, 2011



Kaiser Hospital, 710 Lawrence Expressway, Santa Clara CA 95051 Status: Reviewed

The SCCARA General Membership Meeting was called to order by Don Steinbach AE6PM at 19:38.

Introductions of members and guests were made, during which Don asked that the record show that Howard (?) has paid his dues for the year.

Announcements: - Lou Steirer WA6QYS invited people to the next SVECS Quarterly Breakfast on Jan 22 at the Santa Clara Senior Center, where Rob Goodson N2RAJ (?) will speak on the Red Cross response to the San Mateo Gas Line Explosion.

- Fred Townsend AE6QL spoke briefly on the new Amateur Radio Emergency Communications Enhancement Act.

- Don Village K6PBQ reported we have reservations at Mt. Madonna Park for Field Day 2011.

- Don Village K6PBQ also mentioned the club radio station at the Red Cross Building will be open for general operations on Jan 29, the last Saturday of the month.

- Don AE6PM announced a one-day Technician Class license class at the Woodside Community Center this weekend. John Parks W6JPP also mentioned a "Ham Cram" on Jan. 22 at Feinstein Elementary in S.F. In response to a question, Don AE6PM explained the Technician question pool changes on 7/1/10; the new book from the ARRL reflects this.

- Don AE6PM announced John W6JPP would explain the equipment auction plans after the break; people should let John know if they want to make an offer.

Fred Townsend AE6QL was our speaker; by a show of hands, members voted to hear about regulated power supplies instead of lead-acid batteries. Fred contrasted pros and cons of Linear vs. Switching power supplies, with specific hints for use with radios, and a buyer's guide at the end.

After the break, John W6JPP auctioned off the equipment the club was selling: Tom Kenville W6TJK bought the Kenwood TS180 with power supply for \$180; John Glass NU6P bought the Yaesu

FR-101 receiver for \$20; and Lou Steirer WA6QYS bought the Yaesu FR-301 transceiver, power supply and tuner for \$30. The club realized \$230 from the sale.

Ned Tufekic AC6YY donated a PSK31 sound card interface for the Yaesu FT-847 club radio. Don Vallio W6RGG donated an Extra Class study guide to the club.

Don AE6PM adjourned the meeting at 20:45.

Viki Moldenhauer, KI6WDS, Secretary

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### General Meeting, Dec. 18 2010



Minutes of SCCARA General Meeting, Dec 18 2010 Creekside Inn 544 Alma Ave, San Jose Status: Reviewed

The club met for a Christmas luncheon at 12 noon. Don Steinbach AE6PM introduced Bob Vallio W6RGG, ARRL Pacific Division Director, who spoke on new regulations and ARRL activities A gift exchange was held, followed by lunch. There was no formal meeting. Photos of the officers were taken afterwards.

Viki Moldenhauer, KI6WDS, Secretary

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### Board Meeting, Jan. 17, 2011



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

The SCCARA Board Meeting was called to order by Don AE6PM at 19:37.

Attendance: President: Don Steinbach AE6PM; Vice President: Fred Townsend AE6QL; Secretary: Viki Moldenhauer KI6WDS; Treasurer: John Altieri W6HW; Trustee: Don Village K6PBQ; Directors: John Glass NU6P, Lou Steirer WA6QYS, Gregg Lane KX6FNA, Gary Mitchell WB6YRU; Excused Absence: Wally Britten KA6YMD; Visitors: David Paul AE6MV, Gwen Steirer KF6OTD.

Announcements: Don AE6PM announced the SCCARA-gram inputs are due to Gary no later than Monday January 31.

Treasurer's Report: Balances are the same as last month. Discussion was held on whether to publish the full financial report in the newsletter. Last month \$525 was taken in between the equipment auction and 2 new members.

Secretary's Report: The minutes from the October, December, and January General Meetings were reviewed, without changes. The attendees in the December Board Meeting Minutes were corrected. Gary provided clarification that minutes must be taken and can be reviewed for correctness, but do not have to be approved by the board. Also the December lunch meeting was the annual meeting; short minutes will be sent for publication in the newsletter.

Vice President's Report: Fred AE6QL announced topics for the upcoming meetings: a talk on SWR for February; a talk on Gain Antennas for March. The time and location for the spring lunch meeting was discussed; current plan is April at the Hometown Buffet. Gwen KF6OTD will make reservations.

Old Business: - The SCCARA equipment was sold in the January General Meeting: see the minutes for totals.

- The possibility of purchasing a laptop computer to use PSK31 mode on the existing club Yaesu 847 to provide experience with more modern radio operation was discussed as an alternative to purchasing another radio.

- The 70cm repeater will be installed in the hospital in February, date TBD; Lou WA6QYS will coordinate.

- A price quote was received from Linc Communications for a Kenwood TKR-750 40W commercial grade VHF repeater: \$1500 + shipping w/o power supply (in stock), or \$1650 with power supply (4 week lead time).

New Business: - David Paul brought an update on the Memo Of Understanding between the club and the City of San Jose. The new head of Emergency Operations in SJ will look for it to return it to us.

- A donation was received from Kevin Stoddart.

- David Paul updated the status of the spare 2-meter repeater controller; it is now programmed. Discussion was held what to do with it; the plan is to swap it with the repeater in the vault and use the old one as a spare that SCCARA will store.

- The secretary continues to learn about Access. A roster in Call Book order and a printout of all fields of the database will be sent to the board, as well as the minutes and mailing list to Gary for the newsletter.

- Don K6PBQ will make reservations for the 2011 Christmas luncheon.

- Discussion was held about the requirements for a club resale license for the Electronics Flea market. The conclusion was we need to get some guidance from ASVARO who run the Flea Market.

Station Trustee's Report: Don K6PBQ announced the club station will be open Saturday Jan 29 for general operation. He also turned in the Mt. Madonna park reservation for Field Day.

Editor's Report: Gary WB6YRU reported that the club lost 1000\$ last year. He presented an analysis of printed newsletter costs. Discussion was held considering two tiers of dues to cover the cost of the color printed newsletter.

N0ARY BBS Report: Gary WB6YRU reported it is working fine.

Repeater Chairman's Report: Wally KA6YMD reported by email that the repeaters are working ok.

Web Masters Report: Wally KA6YMD reported by email that the website is fine.

Future Actions: No discussion.

Don adjourned the meeting at 21:06.

Viki Moldenhauer, KI6WDS, Secretary

## 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, 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: WB6EMR, K6PBQ

DX (long distance/propagation): WB6EMR

Emergency operating/preparedness: WA6QYS

HF operating techniques (SSB, CW): WB6EMR, K6PBQ

Legal/FCC rules: WB6YRU

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

EchoLink: KK6MX

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

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 NOARY  
e-mail: wb6yru@ix.netcom.com

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## Newsletter Notes

The NCPA (Northern California Packet Association) has a set of newly created band plans in graphics format for the Northern CA region. They're in PDF file format on their web site: [www.n0ary.org/ncpa/bandusage.html](http://www.n0ary.org/ncpa/bandusage.html). (The files sizes are surprisingly small for the detail.)

I'll publish one per issue here, starting with the 2 meter band (since that's one of the most popular).

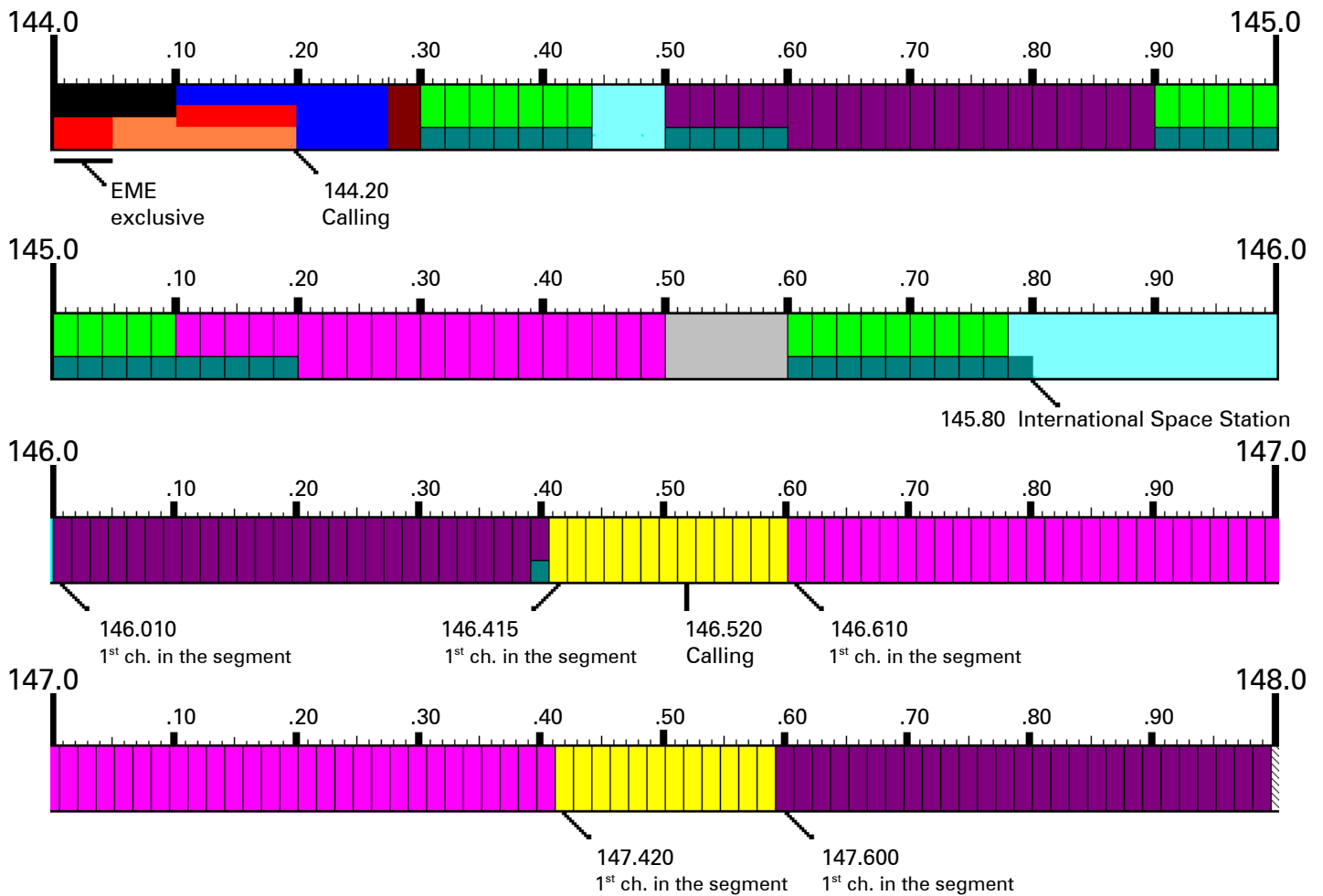
Please visit the NCPA web site to get them all, then you can print them yourself to get a cleaner copy (on photo paper or whatever).













Let me know of any corrections or suggestions

73, Gary WB6YRU, editor

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# 2 meter Band Plan for Northern California 144.0 - 148.0 MHz



	All Mode and Experimental		Repeater Input
	Beacon		Repeater Output
	CW		Satellite
	Digital		SSB
	Earth-Moon-Earth (EME)		Weak Signal
	FM Simplex		Differs from ARRL plan

20 kHz channel spacing in 144.0 - 146.0 MHz  
 15 kHz channel spacing in 146.0 - 148.0 MHz  
 In the ARRL plan all channels are 20 kHz.

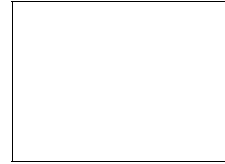
For general Amateur Radio, see ARRL ([www.arrl.org](http://www.arrl.org))  
 For repeaters, see NARCC ([www.narcc.org](http://www.narcc.org))  
 For satellites, see AMSAT ([www.amsat.org](http://www.amsat.org))



**SCCARA**

Santa Clara County Amateur Radio Association  
PO Box 6  
SAN JOSE CA 95103-0006

Affiliate of the ARRL,  
American Radio Relay League



**FIRST CLASS**

**ADDRESS SERVICE REQUESTED**

**SCCARA Membership Form for 2011**

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: \_\_\_\_\_

Memberships begin January 1 and expire December 31.

**If renewing:** annual membership dues (base rate) are: \$20 Individual, \$25 Family, \$10 Student (under 18)

**For new members:**

If joining in January: base rate

If joining in February through October: base rate x (11 - month) x 10% (e.g. for June, that would be: base rate x 50%)

If joining in November or December: free for November and December if paying the base rate for the following year

\$ \_\_\_\_\_ **Dues payment for:**  individual  family  student

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.