

SCCARA-GRAM

Santa Clara County Amateur Radio Association

Volume 9, Number 12

December 1993

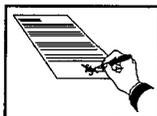
President's Prose

November has been a busy month. Ham Shows has canceled their 1994 shows, Doc, W6ZRJ has agreed to serve as club historian, and I will take the HF awards position.

As my term as your President comes to a close I wish to thank those who have helped SCCARA this year. Gary, WB6YRU, took over the SCCARA-GRAM and I believe that he has done an excellent job. Harold, KK6ZE, has provided excellent programs at our monthly meetings, while Mike, KB6LCJ has completed the conversion of SCCARA's financial records to the computer. Bob, KB6OHO, had more work than I expected as nominations committee chair, but the committee came through. In addition, Field Day, chaired by WN6U; the annual flea market, chaired by WA6QYS; and the dinners, chaired by K6PBQ; were all successful. I wish to thank two former SCCARA presidents, Bill, W6ZM and Ed, WD6CHD for advice on SCCARA business many times over the year.

I consider the two major accomplishments of 1993 as the courses for new hams, which should create about 30 new novices and technicians, and the book donations of up-to-date ARRL publications to the Milpitas and Campbell libraries. On the other side of the ledger, the concentration of much of the SCCARA workload on a small number of individuals is an unresolved problem. We need to distribute the jobs, such as awards (checking the ARRL Worked All States and VHF VUCC) and answering repeater questions, among more members.

73, Don KC6WMM



Calendar

- 12/17 SCCARA General Meeting--dinner!
- 12/27 SCCARA Board Meeting--(San Jose Red Cross, 7:00p, all are welcome)
- 1/10 SCCARA General Meeting
- 1/24 SCCARA Board Meeting--(San Jose Red Cross, 7:00p, all are welcome)

Next General Meeting

Day: Friday, December 17, 1993
Time: 6:30 PM
Place: Renzo's restaurant
Agenda: Annual Christmas dinner meeting. Newly elected officers and board will be installed.

Note: This meeting will NOT be held on the usual second Monday of the month. If you haven't already signed up, it's probably too late now; however, we might be able to take a few extras--check with Mike KB6LCJ or Don K6PBQ.

Renzo's restaurant is at 1700 W. Campbell Ave., about one block West of San Tomas Aquino Rd., in Campbell. Dinner will begin at 7:30 PM, cocktails at 6:30 PM.

The San Jose Red Cross is located at the East end of McKendrie, across the I-880 freeway (South) from the San Jose Air Port. From I-880, take the Colman turn-off, head South, turn left (East) at the first road--that's McKendrie. From the South, go North on Colman, just past Hedding turn right (East) on McKendrie. Everyone is welcome at the board meetings.

The **SCCARA-GRAM** is published monthly by the **SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION**. Permission to reprint articles is hereby granted, provided the source is properly credited. SCCARA is an affiliate of the American Radio Relay League.

Articles for the SCCARA-GRAM must be submitted to the editor by the last Monday of the month.

OFFICERS and DIRECTORS

President	Don Hayden, KC6WMM	867-4643
Vice President	Harold Welch, KK6ZE	578-3273
Secretary	Lloyd DeVaughns, KD6FJI	225-6769
Treasurer	Mike Hastings, KB6LCJ	243-6745
Station Trustee	Stan Getsla, WA6VJY	275-0735
Director	Don Village, K6PBQ	263-2789
Director	Lou Steirer, WA6QYS	241-7999
Director	Doug Eaton, WN6U	377-3736
Director	Stan Getsla, WA6VJY	275-0735
Director	Gary Mitchell, WB6YRU	265-2336

STAFF

Database	Joe Quirantes, WA6DXP	371-0959
Editor	Gary Mitchell, WB6YRU	265-2336
Facilities	Don Village, K6PBQ	263-2789
Historian	Jean "Doc" Gmelin, W6ZRJ	263-2789
Mailman	Tony Sanchez, K6MOB	296-6676
Photographer	Bob Keller, KB6OHO	725-1034
Welfare	Ed Rawlinson, WD6CHD	264-2988

COMMITTEES

Repeater	Stan Getsla, WA6VJY	275-0735
Flea Market	Gary Mitchell, WB6YRU	265-2336

SCCARA REPEATERS

SCCARA currently owns and operates two repeaters under the call W6UU:

2 meter:	146.385 +
70 cm:	442.425 + PL 107.2

Phone patch capability is available with a small subscription fee. The two meter repeater is located in the Mt. Hamilton foothills, Alum Rock area. The 70 cm repeater is located at the Alexian Brothers Hospital, North of 280 and 101.

SCCARA NETS

On our 2 meter repeater: Mondays at 1930 local, (not the second monday--it's our meeting night). Net control: Joe WA6DXP.

On 10 meters, 28.385 MHz USB, Thursdays at 2000 local. Net control: Wally KA6YMD. Wally usually conducts the ten meter net from the SCCARA club station: W6UW, located at the San Jose Red Cross (just South from the San Jose Air Port).

Visitors welcome to join in on the SCCARA nets.

IMPORTANT TELEPHONE NUMBERS

SCCARA HOTLINE:	249-6909
ARRL CLASS HOTLINE:	971-1424
ARRL LICENSE (VEC) HOTLINE:	984-8353

Treasurer's Treatise

Our 1994 dues inputs are in full swing. As of last week, we had 52 members renew (or join). About half signed up for autopatch, 6 first class mail sign-ups, 7 badges and 34 Christmas dinners. Capacity for the Christmas dinner is around 70 (we have had a full house for the last couple years), so if you plan to attend, then get your money in.

I have just sent in our \$412 payment to Wohlers for our club liability insurance. This covers us for such events as our regular meetings, Field Day, class, etc. It is money well spent. I have a copy of the actual policy. Are there any legal beagles out there that can read the 26 pages and give a synopsis as to how good a policy really is? We also paid Wohlers \$293.41 to cover our equipment. This includes everything at the Red Cross radio room plus our repeater equipment.

The board also voted to donate \$50 to the N0ARY packet BBS system. It is a well run system and heavily used by SCCARA members. See you at the dinner.

73, Mike KB6LCJ, Treasurer

Meeting Minutes

Santa Clara County Amateur Radio Association
General Membership Meeting, Nov. 8, 1993

7:35 Harold, KK6ZE, opened the meeting. Self introductions followed as is our custom.

Tonight's speaker was Jim Singleton, WB6YKP, a Swan radio collector. Jim has 12 Swan rigs right now and he has all the power supplies. Jim says he can get 450 watts out of some of his rigs. The sets tend to drift for about an hour. To avoid this drift, Jim turns his rig on one hour before he gets on the air. The Swan net meets Sundays at 2:00 P.M. PST on 14.250 Mhz. Some of the parts are hard to find and some of the tubes are very expensive. There is a Swan newsletter published.

Don, KC6WMM, the vote for officers will be held after the break.

Business Meeting:

Don, KC6WMM, we need 25 people for the HamShows sign-up.

Brad Wyatt, K6WR, ARRL Vice Director for the Pacific Division, said the election results will be posted 19 Nov. Monte Serreno antenna ordinance may wind up in court because of the limitations on amateur radio antennas.

Moved and second that the nominations be closed. Motion passed. Nominations closed.

Moved and second that Secretary cast one unanimous vote for the unopposed candidates on the ballot. Let the records show that one unanimous vote was cast for each unopposed candidate on the ballot.

Moved and second that Secretary cast one unanimous vote for Stan Getsla, WA6VJY, for station trustee. Let the records show that one unanimous vote was cast for Stan Getsla, WA6VJY, for Station Trustee.

Moved and second that nominations be closed for election of directors.

Election for officers held by secret ballot.

Election results:

President:	Doug Eaton, WN6U
Vise President:	Don Hayden, KC6WMM
Treasurer:	Mike Hastings, KB6LCJ
Secretary:	Lloyd DeVaughns, KD6FJI
Station Trustee:	Stan Getsla, WA6VJY

Director:	Don Village, K6PBQ
Director:	Dan Dietz, WM6W
Director:	Gary Mitchell, WB6YRU

Don Village, K6PBQ, received the most votes and was elected to a 2 year term as director. There

was a tie for the remaining 2 director positions. A run off election was held between Gary Mitchell, WB6YRU and Dan Dietz, WM6W. Dan receive the most votes in the run off and was elected to a 2 year term. Gary was elected to a 1 year term as director.

Consignment of ham gear for sale from the estate of a silent key, WA6VYK. SCCARA has taken several amateur radio related items on consignment from the estate. The agreement was that SCCARA would get 60% of the proceeds and 40% would go to the estate.

Mike, KC6LCJ, gave the treasures report.

Wally, KA6YMD, said that the Thursday night 10 meter net check-ins are down as is the number of visitors in the shack.

9:08 PM Meeting adjourned.

73, Lloyd KD6FJI, Secretary

Moved and Seconded

November Board Meeting



Doc W6ZRJ spoke to the board about the club's records and history. He pointed out that the club has not always done an adequate job keeping records and expressed doubt that the club would not repeat those mistakes in the future. Having said that, he turned over one box of old documents and items from SCCARA's past. In general, the board agreed with Doc. It was suggested that once a good record-storage system is established, it would be easier for future officers to maintain. Stan WA6VJY took charge of a few items related to the station (as Trustee). Gary WB6YRU took charge of the rest of it and volunteered to work on the record-keeping project.

Doc W6ZRJ was appointed as club historian. Doc said he is willing to do it. Specific duties were not spelled out, but the general idea is

to have a long time member who can be consulted and would write occasional articles for the newsletter.

S.J. RACES & SCCARA has no written agreement regarding repeater use. The City of San Jose would like there to be one before we move our repeater to the new sight (San Jose radio vault).

S.J. Red Cross will move to their new building mid Feb. 1994. Details of the radio room have not been decided--there is evidently some internal political struggle which has cause the delay and uncertainty. There may also be some competition for the radio room from other clubs in the area.

So far, 49 members have renewed out of about 175 members.

The repeater fund now has \$4416 and the general fund has \$14533.

Amateur radio class is over now. The teacher's will meet for debriefing. The board approved paying for pizza at that meeting as a reward to those who taught.

The HamShows event planned for January has been canceled due to illness.

The board discussed the merits of SCCARA selling on consignment the equipment of deceased amateurs as a special service. A committee was formed to discuss this issue and will report back to the board. Is this something we should do? Interested members are encouraged to let the board know their thoughts.

Flea Market

Just a reminder: Our locker is really full. If you have something to donate, please hang on to it for now. The Foothill flea markets will start up again in March (the second Saturday of the month).

Thanks to all those who donated stuff in the past. The result is that our repeater fund is in pretty good shape--currently about \$4400!

73, Gary WB6YRU

A Pacificon Phenomenon

Meanwhile, at the Pacificon convention in Concord...



Lloyd KD6FJI (center) joins the transmitter hunt



Barbara KD6QEI shows off her banquet raffle prize as husband Wally KA6YMD looks on.

Heard from Herb

Cynthia, wife of Herb KB6ABG, got her ticket. Cynthia's call is KC5BUF. I am sure that Frank is proud. Just a little trivia....

73, Mike KB6LCJ

School's Out!

The 12 week amateur radio license class that SCCARA members have been teaching was completed on Nov. 18 with the FCC examinations.

We had a lot of participation in this class, starting out with 32 students at the beginning and winding up with 21 left at the end. Out of the 21 students taking the exams, 19 passed at least one element and 14 passed their Tech exam. Four of the class members also passed the 5 WPM CW test and will get the Tech. Plus license. The following students passed the Technician exam:

Louis Kaldy, Robyn Joseph, Gail Bingham, Janet Bingham, Ganshu Lee, Anthony Sacco, James Majeski, Wilfredo Torres, Stephen Glaiser, and Sally Jo Brown.

In addition, 4 people passed the 5 WPM CW test and will get the Tech. Plus license:

James Santos KD6QVO, Andrew Rein KD6WXM, Robert Witters, and Thomas Pamilla.

Congratulations to all those who passed and we hope the others will keep trying. SCCARA will be running another class in the Spring of 1994.

Many thanks to the instructors who made all of this possible, including visiting instructors, and to the volunteer examiner group who administered the exams.

There will be a "scrub" meeting for the instructors to go over the pros and cons of the class and make plans for the spring. If you think you would like to join our team, please give Mike, KB6LCJ a call.

73, Doug WN6U & Mike KB6LCJ

Editor's note to those students who didn't pass (or even if you did): Please feel free to attend our meetings and to seek help from club members. Amateurs have a long history of helping each other, especially those trying to join our ranks. This is the reason we put on these free classes. So, don't be shy! Stop by and say you need an "Elmer" (that's a nick name for experienced amateurs who act as mentors).



The V.E team processes examinations. Nine year old girl (background) got the novice license.



Jim WE6V administers the code test.



Roy K6VIP helps applicant fill out the 610 form.



Applicants line up for processing (80% passed)



Congratulations, you passed!



Robyn Joseph, (Sec. for S.J. Office of Emergency Services), got her Tech. license.

New Members



Jack Ruckman WB6IJY

Have you joined SCCARA recently? We would like to put your picture here. See the club photographer, Bob Keller KB6OHO, at any meeting.

If you have any questions, ideas, or comments about SCCARA or any activities, please don't hesitate to ask. There is a list of club "higher-ups" in each SCCARA-GRAM.

Thank You



Jim Singleton, WB6YKP

Jim Singleton gave a talk at the November meeting about his Swan radio collection.

Thanks Jim!



Packet Pieces

Downloaded from the packet network:

=====
Date: 7 Nov 93 00:03
From: WD6EHR@K6VE
To: TECH@ALLUS
Subject: Adjacent transceivers

You've likely seen my posts against multiple transmitters in the same band at the same site. Here's a lite version of why this doesn't work:

Most of us are familiar with the heterodyne principle. Mix 2 frequencies and get 4 (F1, F2, F1+F2, and F1-F2). Often we think of this happening inside our radio mixers and such. However, this is not the only place mixing and heterodyning happens, as anyone who runs a repeater can well attest.

If you run a packet port on, let's say, 145.09, and a voice port that transmits on 145.11 from the same site, let's analyze what happens. When both transmit, the signals are received by the other antennas, where they find their

way back into the transmitter. Being a nonlinear device for received signals, these mix with the transmitters signal. This makes other products. These in turn mix, and so on. You end up with signals in the milliwatt range every 20 KHz! These may be weak in wattage, but in dB, they're strong enough to cause significant problems for other nearby stations. Intermodulation distortion knows naught about the FCC's allocations, so those doing this end up radiating outside the amateur bands!

RECEIVER DESENSE

Another problem incurred by adjacent transmitters is receiver desense:

1. The front end of all receivers can handle only a certain dynamic range while remaining in a usefully linear region. Anything over this causes distortion products.
2. Strong signals change the bias a la "grid leak." ALL transmitters generate wide-band noise for several hundred KHz, which (obviously) lies within the receivers pass-band.
3. All receivers have a pass-band slope, and any signals exceeding this slope will capture the desired signal.

All of these factors combine and cause receivers to go deaf whenever an adjacent transmitter keys up.

THE FIX

There are ways to run transmitters within the same band from the same site. Unfortunately, it's not simple.

1. The use of hi-Q narrow band filters such as cavities is mandatory. These should be of the BpBr (band pass/band reject) type, specifically tuned to allow reception of the desired signal while rejecting the frequency of an adjacent transmitter.
2. The use of circulators is also needed. These devices connect between transmitter, receiver, and antenna, and work sort of like a 3 opening revolving door that forcibly boots everyone out at the first door they hit after entering. This makes a one way path from the transmitter to the antenna, and a one way path from the antenna to the receiver. This minimizes received signals getting into the transmitter.
3. Physical separation of antennas is also helpful. If they're vertically polarized, vertical separation is more effective than horizontal separation. This is as expected from the radiation patterns of the antennas in free space. HOWEVER, the "in free space" is a caveat, unless you live in space. As the ads state, "your mileage may vary."

Preamplifiers are a definite "no" in the presence of strong RF fields. If you look at the designs of Motorola gear, you

might be surprised to see that much of it has no RF stage at all! Often it goes directly from helical filters into a mixer. This is not because Motorola is cheap. It's because they've been in the business long enough to know what works. Their radios may not spec well in a lab, but they sure work in the field! A preamp might look good on the drafting board, but will saturate into nonlinearity at the first sign of a strong signal, especially if not preceded by some hi-Q filtering.

73, Mike Curtis wd6ehr@k6ve.#soca.ca.usa.na

=====

Date: 13 Nov 93 03:51

From: WB9ZRE@WB9ZRE

To: ALL@ALLUS

Subject: State Censorship of Amateurs Killed

State's Censorship of Amateurs Killed

From: "Communications" Magazine, November 1993, p.12

* STATES CANNOT PREVENT AMATEURS FROM RECEIVING PUBLIC SAFETY SIGNALS

The commission has preempted all state laws which prohibit the possession of Amateur Radio Service transceivers which can receive private radio frequencies, especially public safety. Amateur service transceivers typically allow for the incidental reception of adjacent frequencies in order to ensure that the entire Amateur Radio Service bands can be adequately received. The FCC concluded that these state laws which prohibit the reception of radio signals that are not prohibited by federal law "are inconsistent with the federal objectives of facilitating and promoting the Amateur Radio Service and, more fundamentally, with the federal interest in amateur operators being able to transmit and receive on authorized amateur service frequencies."

73 de Steve - WB9ZRE @ WB9ZRE.WI.USA.NA

=====

Date: 21 Nov 93 03:41

From: N0AHH@NX0C

To: JOKE@ALLUS

Subject: WIG

I overheard a silver-haired woman at a senior center in Queens, N.Y., say to another woman, "Your hair looks lovely today. Is it a wig?"

"Yes," she replied.

"Really?" said the first woman. "You'd never know it."

=====
Date: 7 Nov 93 03:02
From: N9EWA@W9ZMR
To: POEM@ALLUS
Subject: COMPUTER SPELL CHECKERS

I halve a spelling checker.
It kame with my PC.
It plainly marx four my revue
mistake eye cannot sea.
I've run this poem threw many thymes,
I'm shirr your pleased too no.
Its letter perfect in it's weigh.
My checker tolled me sew.

Bill N9EWA @W9ZMR.IL.U.SA.NOAM

=====
Date: 21 Nov 93 17:49
From: W1ZCJ@WA1WOK
To: HUMOR@ALLUS
Subject: WINTER WONDERLAND

DEAR DIARY...

Sept 12, 1992 Moved to Vermont our new home! It is so beautiful here! I love it!

Nov 24, 1992 It snowed last night! Woke up to find everything blanketed with white. It looks just like a post card. We went outside and cleaned the snow off the steps and shovelled the driveway. We had a little snow ball fight (I WON!) and then when the snow-plow came by, we had to shovel the driveway again. What a beautiful day. I love it in Vermont!

Dec 2, 1992 Well, all the snow has melted. I hope we get some more.

Dec 12, 1992 More snow last night! I love it! The snow-plow did it's trick again at the driveway.

Dec 19, 1992 More snow. Couldn't get out of the driveway to go to work. Am exhausted from shovelling snow. @\$%& snow-plow!

Dec 22, 1992 More of that white @\$#!%& fell last night. I've got blisters on my hands from shovelling. I think the snow-plow hides around the corner and waits until I've done the driveway!

Dec 25, 1992 Merry @\$%&* Christmas! More @\$%&* snow. If I ever get my hands on that @\$%&* who drives that snow-plow I swear I'll kill him!

Dec 27, 1992 More white @\$%&* last night! Been

inside for 3 days! Can't go anywhere, cars stuck in a mountain of @\$%&* snow! The weather man says to expect another 10" of the white @\$%&* tonight! Do they know how many shovels full of snow 10" is?

Dec 28, 1992 The weather man was wrong. We got 14" of the white @\$%&*. At this rate it won't melt till August! The snow-plow got stuck just up the street. The guy asked if he could borrow my shovel. I hit him with it!

=====
Date: 20 Nov 93 06:21
From: N0AHH@NX0C
To: JOKE@ALLUS
Subject: TRAFFIC

As a police cadet I was sent to a busy Chicago intersection to learn to direct traffic. I marveled at how nothing fazed my veteran training officer, who used fluid hand motions to control the surrounding chaos. Suddenly a cabdriver ran toward us. "I was just making a left turn and stuck my arm out to signal," yelled the cabbie over the din, "when this guy grabs my watch and runs off with it!"

I was ready to give chase, but as I looked to my mentor for guidance, I noticed he didn't budge. Continuing to direct traffic, he nodded to show he understood. Then, glancing quickly at his watch, he yelled back, "No problem! It's ten past eleven."

=====
Keep smiling! :) 73, Gary WB6YRU

Club Chronology

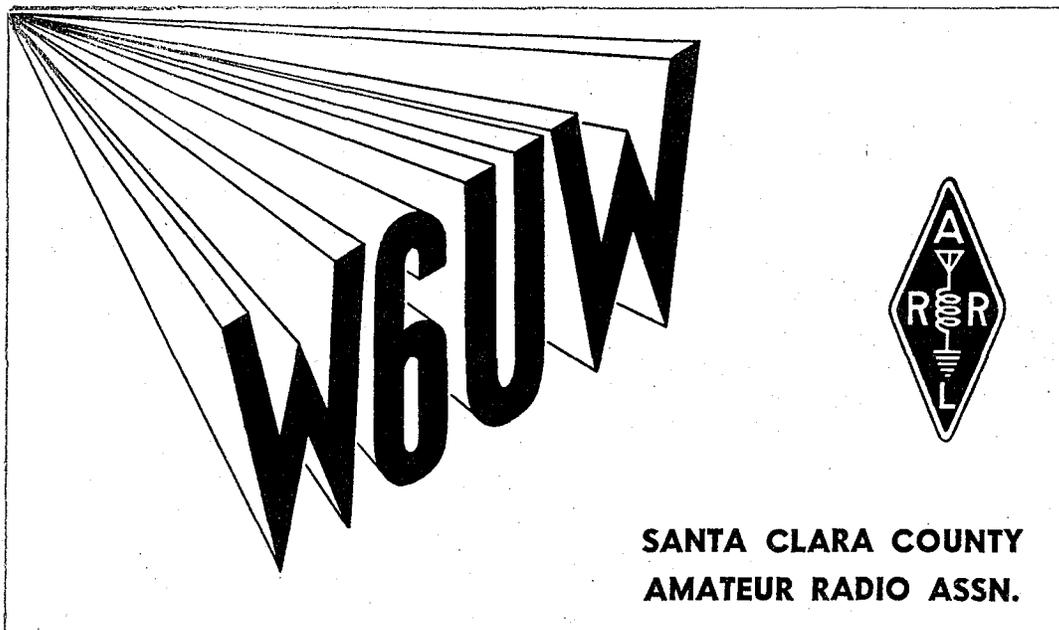
Have you ever opened up a time capsule? That's the way I felt the other day when going over and organizing some of SCCARA's old records.

SCCARA has been around for a long time, we were incorporated in Jan. 1947 and existed for quite a few years before then. I've always assumed a club as old as SCCARA must have a rich history. Unfortunately, stuff from the days of old (even just a decade or two ago) have been a little hard to come by.

I'm happy to report that one of our longest time members, Doc W6ZRJ, has recently turned over to the board some items of many years' past.

The process of setting up a club archives is now underway. If anyone has any good ideas along these lines, or especially something to contribute, please let me know.

Aside from miscellaneous papers (e.g. old bank receipts, letterheads, station-wiring schematics, etc.), some of the more interesting items are: A membership book with entries from 1967 to 1981, a collection of QSL cards of contacts made from the club station W 6 U U / W 6 U W (including many blank QSL cards--not actual QSL's), a photo of a "Charter of Affiliation" certificate from the ARRL dated Feb. 17, 1923 to the San Jose Radio Club--and signed by Hiram Percy Maxim (W1AW, founding president of the ARRL), some old club station log books, and copies of SCCARA's original articles of incorporation and bylaws.



Confirming QSO with _____
 on _____ 19____ P.S.T.
 Your CW fone SIG R____S____T____
 XMITTER _____
 RCVR _____
 ANT. _____
 OPR _____
 REMARKS:

P. O. BOX 6
 SAN JOSE, CALIF.
 U. S. A.

And last, but not least: I remember some talk a while back of coming up with a club QSL card... Well, I came across an old one! (Actually, that should be no big surprise.) It is reproduced above--the call is in red, the printing is in blue.

I'll bring these things down for everyone's inspection and enjoyment during the next few meetings, except for December (it would be a little awkward during a dinner meeting).

73, Gary WB6YRU

ARRL PACIFIC DIVISION UPDATE, December 1993

by Charles P, McConnell, W6DPD, Director ARRL Pacific Division. 1658 W. Mesa Ave. Fresno, CA 93711-1944. 209-431-2038. Packet W6DPD @N6ZGY.#CENCA.CA.USA.NA

Do you want to become a Ham? Call 1-800-32NEWHAM (1-800-326-3942). You will get how to information, a list of clubs, a list of instructors, and a list of volunteer examiners in your zip code area.

Do you want to take an Amateur Exam? Call the ARRL VEC hot line, 408-984-8353 for exam information.

Scholarships. There are many scholarships available to licensed Amateurs. The ARRL Foundation, The Dayton Amateur Radio Association, and the Foundation for Amateur Radio will be announcing their dates for applications for their 1994 scholarships. Watch the Amateur press for this information.

Legislative Update. As of October 22, 1993, there are 106 cosponsors of H. J. Res. 199 and 17 cosponsors of S. J. Res. 90. There are 18 cosponsors of the Amateur Volunteer Service Act, H. R. 2623. Keep writing letters on these pieces of legislation.

FCC Proposes Instant License. The FCC has released a Notice of Proposed Rulemaking P.R Docket 93-267 which proposes an instant temporary license for those who pass their first Amateur license exam. This temporary license would be valid for up to 120 days or until a permanent license is received from FCC. The temporary callsign would be WZ, a number, the applicants initials, and a temporary license class designator. For example, John Doe of Quincy, Illinois passes a general class exam. His temporary callsign would be WZ9JZD/AG. A temporary license would not be available to a prior Amateur Service licensee whose license was revoked, suspended for less than the balance of the license term and the suspension still in effect, suspended for the balance of license term and relicensing has not taken place or surrendered for cancellation following notice of revocation, suspension, or monetary forfeiture proceedings. The person is not the subject of a cease and desist order that relates to Amateur service operation which is still in effect. The FCC believes this temporary license program would eliminate 11,000 calls annually to inquire about pending licenses.

Comments on P.R. Docket 93-267 are due on January 10, 1994 and Reply Comments are due February 10, 1994. You can get a copy of P.R. Docket 93-267 by sending a business size SASE to the RID at ARRL HQ.

AMATEUR NUMBERS FOR 1993. At the end of fiscal 1993 (Sept. 30, 1993) there were 625,988 Amateurs compared to 580,806 in Sept. 1992. The number of new Amateurs was down 7.4% from the previous year, mostly in the issuance of Novice licenses, but the number of Technician licenses increased by 18.5%. On Sept. 30 the number of ARRL members was 169,236.

Hiram Percy Maxim Memorial Award. If you know an Amateur under the age of 20 who qualifies for the Hiram Percy Maxim Award, please send to ARRL for information on nominations. Send the nomination to your Section Manager. See page 8 of any *QST* for the address. There are many young Amateurs who would qualify for nomination, but few are nominated, usually one or two per year nationally.

COMING EVENTS.

1. LIVERMORE SWAP MEET. 1st Sunday of each month at Las Positas College in Livermore, CA. 7 AM to Noon, all year. Contact KC6QZK for information.
2. FOOTHILL SWAP MEET. 2nd Saturday, March-September. Foothill College, Los Altos CA.
3. ARRL 160 Meter Contest December 3-5, 1993
4. ARRL 10 Meter Contest December 11-12, 1993
5. WINTERFEST. January 15, 1994. National Guard Armory on the campus of Monterey Peninsula College. Monterey CA. For information contact Doug McKinney, KC3RL, 408-663-6117.
6. ARRL International DX Contest CW February 19-20, 1994.
7. ARRL International DX Contest Phone March 5-6, 1994
8. INTERNATIONAL DX CONVENTION. April 15-17, 1994. Holiday Inn at Visalia CA.
9. Fresno Hamfest. May 7-8, 1994. Riverland Park at Kingsburg CA. Contact Pat Fennacy, W6YEP, at 209-222-3105 for information.
10. ARRL Field Day June 25-26, 1994

Newsletter Notes

As you can see, I'm trying a slightly different format with this issue. Many magazines and other newsletters typically give information about the organization on the second page. Membership forms are often on the back page where the address label is located (cover).

We haven't had a membership form in the newsletter on a regular basis, I thought we should. Our membership form is usually combined with badge orders and reservations for the annual holiday dinner meeting. Splitting these up might complicate things slightly, especially for our treasurer; however, it would make it easier for people to join just by getting a copy of the SCCARA-GRAM.

I would like to hear what you think, not only on this, but any aspect of the newsletter. After all, as members of SCCARA, this is *your* newsletter, not mine. You won't hurt my feelings. The only way I can know what you like or dislike is for you to tell me! Anything is fair game: the layout, organization, content, size (number of pages), even the time of delivery. Once in a while (at least annually), we publish the club roster--comments are welcome about that as well.

FROM: Barbara Britten KD6QEI
Field Day Food Coordinator 1992-93
585 So. 14th. St.
San Jose, CA. 95112

THIS QUESTIONNAIRE IS IN REGARDS TO "FIELD DAY" 1993. THE QUESTIONS PERTAIN TO THE SATURDAY NOON MEAL AND THE SUNDAY MORNING BREAKFAST.

TO REFRESH YOUR MEMORY, HERE ARE THE MENUS WE USED:

SATURDAY

SUNDAY

STEAK/CHICKEN
BBQ BEANS
MIXED VEGIES (FROZEN)
POTATO SALAD
TOSSED SALAD W/BLUE CH./RANCH/ITAL. DRSG.
BREAD STIX
PUDDING

COLD CEREALS AND MILK
EGGS (COOKED ANY STYLE)
LEFT-OVER STEAK/CHICKEN
SWEET ROLLS
ORANGE/APPLE JUICES
FRESH FRUIT

BEVERAGES OF YOUR CHOICE: SODA-ICED TEA-LEMONADE-COFFEE-HOT TEA-HOT COCOA

1. HAVE YOU ATTENDED FIELD DAY MEALS PREVIOUS TO 1993? YES NO
2. WERE THINGS BETTER IN 1993 THAN IN PAST YEARS? YES NO
3. WHAT DID YOU LIKE MOST ABOUT THE MEALS? _____

4. WHAT DID YOU LIKE THE LEAST ABOUT THE MEALS? _____

5. WHAT WOULD YOU CHANGE, TO MAKE IT BETTER? _____

6. IS THERE AN ITEM(S) YOU WOULD ADD TO THE MENU? YES NO

IF SO, WHAT IS IT? _____

7. WHAT MENU ITEM(S) COULD BE ELIMINATED? CROSS THEM OFF THE LIST, PLEASE.

8. WAS THE MEAT DONE TO YOUR LIKING THIS YEAR? YES NO

DID IT PLEASE YOUR PALATE? YES NO

WAS THE MEAT TENDER ENOUGH? YES NO

WAS THE CHICKEN COOKED ENOUGH? YES NO RUBBERY? YES NO

9. PLEASE CIRCLE THE BEVERAGES YOU WOULD LIKE TO HAVE MORE OF AT FIELD DAY.
CROSS OUT THE BEVERAGES YOU THINK ARE NOT NECESSARY AT FIELD DAY.

S.C.C.A.R.A. Membership Form for 1994

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

Address: _____ Licensed since (yr): _____

City: _____ State: _____ Zip: _____ - _____

Telephone: () _____ New member: Yes No A.R.R.L. Member: Yes No

For family memberships (at the same address), please list other name(s) and call(s):

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 annual membership dues.

Membership dues (circle one): Individual \$15 Family \$20 Student (under 18) \$5

Send the SCCARA-GRAM by first class mail for \$3.50 extra (check): _____ TOTAL: _____

Give this completed form (or copy) with payment to the treasurer at any meeting or mail to:

SCCARA membership P.O. Box 6 San Jose CA 95103

SANTA CLARA COUNTY
AMATEUR RADIO ASSOCIATION

P.O. BOX 6
San Jose, CA 95103

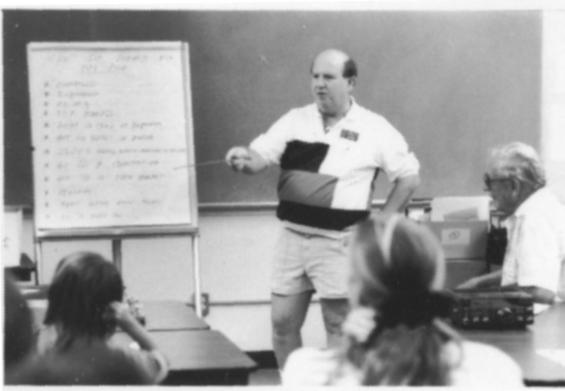
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Extra

More photos were submitted than were actually published.

Just for fun, here is an extra that wasn't in the original SCCARA-GRAM:



Mike Hastings KB6LCJ introduces the first class starting in September.