



SCCARA-GRAM



VOLUME: 6 NUMBER: 10 PUBLISHED MONTHLY BY:
SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION
AN ARRL AFFILIATED CLUB-----ESTABLISHED 1921
REPEATER CALL: W6UU-----SECONDARY CALL: W6UW



OUR PREZ SEZ



(CONTINUED FROM LEFT COLUMN)



The September meeting unearthed a motherload of pure talent. Our scheduled speaker didn't show, and VP Allen, N6NOY, our program chairman volunteered a short talk on computer fundamentals; along with Bill, W6ZM who talked on "DX-ing."

Perhaps we take some people for granted. It seems like only yesterday that Allen was a novice. Now he is an extra, and he comes on real strong as a teacher of a most difficult subject! Hopefully, Allen will continue where he left off and throw a little more light on an area that most just gloss over.

Bill Stevens, now, is another subject. He always has been able to talk at the drop of a hat, and he didn't fail us. He stressed the importance of timing in making contacts; explained short-path and long-path to everyone's satisfaction; and got into a most interesting area -- MAXIMUM POWER! In explaining how power usually commands the first response, he conjectured that some DX-ers use double or triple maximum power to make a contact; and, after making contact, reduce their power to a legal level. He stated that, in his experience, YL's usually get the first response. So! how about using your sweet-voiced wife to make your DX calls? He also stressed how important it is to get your rig's emitted power to the antenna, rather than frittering it away in lossy antenna feeders, poor tuning, etc.

As though this was not enough, Bill presented SCCARA with an official ARRL flag to fly from our tower.

(CONTINUED RIGHT COLUMN)

SCCARA-GRAM PAGE 1

Our thanks to Bill and Allen!

The success of our just completed novice license seminar was such that, housing forthcoming, we may have another in November, to be concluded just before Thanksgiving. The general theory class is lagging for want of a class leader. JD still holds forth at 1555 Berger Drive on every Tuesday evening at 1900 hours. The theory portion is not a formalized class, but rather a discussion between code sessions.

Speaking of "Eyeball QSO's," I hope to see every SCCARA member at "PACIFICON '87". As a SCCARA member you owe that to all the people who have labored to put this over.

OLD TIMER'S NIGHT on October 12 should be a nice change of pace after PACIFICON. I am inviting all the people affiliated with SCCARA "way back" that I can find around. Either the ranks have thinned, or there were not that many to start with -- some 25 names come to light. Hopefully, the same spontaneous discussions of the good old days will again prevail. SCCARA is indeed fortunate to have had the caliber of men associated with its past that it had. Turn your thinking to TRF, 210's, breadboard transmitters, tuning up with a coil and Xmas tree light bulb, B-Eliminators, crystal heaters, and what have you. You might even find out if the convention is "Title 11" or in the black. Be sure to bring the spouse.

Be sure and save December 14th for SCCARA's Xmas Party at La Rinconada Country Club in Los Gatos (Thanks to Al Gaetano, W6VZT). If you wish to reserve your roast beef, send Treasurer, Dan Dietz, WM6M your check now (\$20.00 per person). Details in

(CONTINUED PAGE 2 LEFT COLUMN)
OCTOBER 1987 ISSUE





KATHY GETSLA, KB6ICQ



Kathy's shack is a comfortable easy chair in the living room, using an HT and the ubiquitous American Legion J-Pole. Although her own rig is a mini ICOM HT she occasionally uses some of the OM's gear -- such as the KENWOOD 7950 that she used as resource net control on 146.115 during the recent fire-watch. Besides involvement in SVECS - as ARES and RACES - Kathy's special interest is the application of ham radio to any and all kinds of public service. She holds a technician class license, and she has been in SCCARA for 2 of her 2-1/2 years as a ham. In addition to her favorite band, Kathy now participates in the new 10-meter BAYLARK net. Her next projects are to learn PACKET as well as augmenting her present occupation as a store bookkeeper by starting her own accounting business. Kathy's pet peeve is hams who ignore you if you don't share their favorite interest in radio.

(CONTINUED FROM PAGE 1)

November issue of the SCCARA-GRAM.

73 de ED, WD6ChileHotDog



JOSEPH QUIRANTES, WA6DXP

Joe is an extra class ham, and his voice is familiar to you as the net control of the W6UU Monday night net. During his eleven years of SCCARA membership he served as president in 1979 and 1980. Most of his thirty-four years of hamming was spent in his native Hawaii. His VHF gear is an ICOM 02-AT and a 2-meter AZDEN feeding a J antenna. On HF his radiators are a 40-meter inverted V and a HY-GAIN tri-band TH6DXX. He favors 10-meter SSB using an ICOM 745 into the beam. Enjoying retirement from his own baking business, Joe now spends more hobby time repairing and maintaining all his electronic equipment. With a new computer he intends to return to RTTY and get into PACKET. Joe's pet peeve is long-winded operators who forget to give station breaks. Even though Joe and Kathy don't operate CW, they both favor code requirements for licensing.



OLD TIMERS' NIGHT
OCTOBER 12TH
HARRY'S HOFBRAU
300 SARATOGA AVE.
SAN JOSE, CA
EAT 1830
PROGRAM FOLLOWING

It was a pleasant summer evening in Capitola. The fog bank was out on the bay making the evening rather cool. The kind of evening that a Santa Cruzan loves but is rather chilly to an inland valley resident. Of my companion I remember little other than: She was vacationing from the Stockton area, she was very attractive, but, most of all, she had great legs. She had decided against a sweater or coat at the start of the evening, so, to my delight, she clung to me for any warmth to be gained. After some time spent on the Santa Cruz Boardwalk we wound up wandering the arcade area of Capitola Beach.

In the course of our strolling we encountered this quaint little man standing beside a crude sign that said: "See Venus five cents". Also present was a rather crude-appearing reflection telescope. Despite the fact that I had ideas of viewing the earth's only satellite through the windshield of a Chevrolet on the nearby East Cliff Drive; at her urging, and big-spender that I am, I handed over the two nickels required for both of us to get a close view of Venus. With the viewing came an informative lecture on Venus. Unbeknownst to me at the time, this was my first meeting with William A. ("Bill") Slocum, W6CCJ.

I was familiar with the on-the-air W6CCJ. I had listened to his chicken-call while calling CQ on 160 meters in the days when hams were allowed to use Bing Crosby records, locomotive bells, duck-calls, chicken-calls, etc. for modulation checks on 160. I had never contacted Bill on the air as my operating was strictly CW in those days. Mostly for economic reasons. Even though my income was higher than most peers of my age, I found it difficult to finance a car, ham radio, and girls on my income. Particularly girls, the mention of "Dutch-treat" to girls of that era was like waving a red flag in front of a bull. OM's who survived those times will understand. It would be close to a half-dozen years before I encountered Bill again.

It was shortly after I returned from the war in 1945 that I met Bill again. The ten-meter band was open for hams at the time. I had thrown together a small crystal controlled rig with an 807 in the final. I soon discovered that there was a local net in operation nightly in the phone portion of the band. Chatting with the gang with CW proved to be impractical. It is painful for a real CW operator to slow down to a speed that shift-eyed phone men and novices can copy. The only solution was to throw together a small audio amplifier, which, together with a choke and capacitor, I Heizing modulated the 807. I then could chat with Bill, and was soon invited over to see his shack on 49th Avenue in Capitola.

Well that shack was something else. The house was Cape Cod style architecture with a finished lower floor and an unfinished attic that was completely floored. What was in the attic was amazing. Boxes of old radio parts

and tubes were stacked everywhere. I recall seeing boxes labeled 01A, 26, 27, 45, 210, tuning capacitors, transformers, etc. There was any part for an early vintage radio that could be had. In one corner was Bill's pride and joy: a stack of old Atwater Kent radios, the ones with the drawn steel cases finished in black. There also was a good quantity of the old horn type loudspeakers that came with those Atwater Kents as standard equipment. All other old radios were pirated for the tube and parts boxes, but Bill had a love affair with those old black monsters that kept him from destroying one. Today that pile would be worth a fortune on the antique market. In the course of time I learned that Bill had been the dump for several hams in the radio business in the area. Rather than haul the out of date sets to the dump, they hauled them out to Bill.

Now Bill's transmitter and receiver were something to see. Naturally all home brew. Breadboard but not breadboard. They were built on galvanized sheet steel fastened to a framework made of about one inch by four inch surfaced four sides lumber. Oh yes, Bill had a stock of old lumber stored in the tank house out back. No front panels on the gear. Tuning capacitors were marked with band edges by means of pencil scratches. I never did learn just what was used in the equipment, but I did notice that there were a couple of tubes with the sockets removed and soldered directly into the circuit. Like most rigs of its day it was crystal control, so frequency stability was not a problem. I do know that the junk-pile got out and sounded good on the air.

His rotary beam was made of wire elements stretched on a wood frame. Looked like a plumbers delight with wire in place of the usual tubing. The feed line looked like twisted lamp cord or some kind of twisted pair. I never did learn just what kind of antenna it was. It was supported on a piece of pipe that came through a pipe bearing in the roof and rested on a wood bearing on the floor. Rotation was by the arm-strong method. A stub of pipe threaded into a tee in the support pipe served as the rotation lever and the direction indicator. To rotate the antenna you walked around a circle pushing on the stub until it pointed in the direction that you wanted it to. Nothing like the collection of aluminum parts, electric motors, and low-loss coax in a modern beam. Nevertheless, it radiated and had gain. He worked all over the country, and he occasionally managed to work some DX.

I visited Bill frequently in the evening until I was transferred out of Santa Cruz. From Bill and others I learned a lot about him. He had been a master tool and die machinist in the early auto industry in Detroit. Many of those vintage cars that you see in parades had some of Bill's workmanship in their design and construction. He still had a complete set of tool and die maker's tools and a very nice lathe. The telescope that we looked through that night years before was made by Bill. He ground the mirror, the lens, and made the housing himself

(CONTINUED RIGHT COLUMN)

(CONTINUED PAGE 4 LEFT COLUMN)

(CONTINUED FROM PAGE 3 RIGHT COLUMN)

by hand and with the lathe. In fact, once when he needed some gears for a ham project, he made them out of some eucalyptus firewood. Not the best gear material in the world, but the only material he had and could afford. They did the job to his satisfaction. Bill, apparently, arrived in Capitola in the early thirties with his mother. He built the house and tank house on the property and lived there with his mother until she passed away. He was a bachelor who drew the family assignment of looking after Mama. He was severely stricken with asthma. In fact, quite often during a visit he would have to excuse himself to use the glass with the rubber bulb that so many asthma sufferers use. Asthma was his reason for leaving Detroit and settling in Capitola. He had a sister living South of Fresno at a peach orchard that she and her husband owned. Bill used to go over there once a year for the peach harvest, but 1946 was his last year. He came home early because he no longer could stand the work. I never did learn about Bill's source of finances, but they were obviously meager. He was too young for the State pension, and welfare was non-existent in those days. I suspect that his sister helped him. Bill owned a 1922 Star flat-bed pickup. It looked just like new except that the muffler had rusted off. The engine made sound that would be music to Larry, KB6HRN's ears. I suspect that the local lawmen looked the other way on the rare occasions when Bill had the jalopy out on the road. After he stopped going to the valley each year the only time I knew him to take the truck out was a couple times a year to go to the county hospital to have polyps removed from his nasal passages. Those who didn't know him thought that he was an old bum. Those who knew him were aware that he was a person of character, dignity, and misfortune; a person whom I really liked.

As the FCC returned bands to ham radio, the local ten-meter net sort of died a natural death. I moved to eighty-meter CW. The frequency-devouring phone men had not yet succeeded in increasing the phone portion of the band beyond the original 100 KHz. Others of the net went to their favorite haunts, but Bill stayed on ten-meters, and kept nightly schedules with his pal, Al, W6IWS in Brookdale. Since VFO's were not yet in very common use there was no way to get in on their chats. They had stopped tuning the band evenings looking for us rock-bound hams.

The thing to do in hamming became getting on six-meters and two-meters. Well Bill bypassed six-meters and started shooting for two meters. His pal, Al had stations going on six and two both by then, and one night when I showed up they were on ten-meters discussing Bill's effort to make a two-meter parallel line oscillator using a pair of 01A tubes. Well I gave Bill a lot of arguments that he needed better tubes; the natural resonant frequency of the tubes was too low, the interelectrode capacities were too large, etc. Bill listened to me with closed ears. I listened to them still discussing the oscillator efforts on ten a few times, so

(CONTINUED RIGHT COLUMN)

(CONTINUED FROM LEFT COLUMN)

I put a Hytron HY-75 into my pocket and went out to see Bill. I kept the tube in my pocket, and continued my argument with him to no avail. When I left, without him seeing me, I put the HY-75 and an application bulletin behind the modulated oscillator project. A couple nights later I could only hear Al on ten. Bill was apparently on two meters using an HY-75 parallel line tuned modulated oscillator. From Al's end of the conversation, I surmised that Bill was then trying to make an 01A work as a super-regenerative detector on two. Well I put a Hytron HY-615 in my pocket and went out to see Bill. I gave him the same futile arguments, and when I left I left the tube behind the receiver project. A couple nights later Al disappeared on ten. They were chatting on two meters. Bill was using a HY-615 super-regenerative detector receiver on two.

A couple of years later Bill became old enough to draw the State pension. He came into sudden wealth then. After living with nothing for so many years, the meager pension was a fortune. Bill then could afford some of the modern ham parts on the surplus market. He built some good transmitting and receiving equipment together with a multi-element two meter beam. He became wellknown on two meters around the area. I even chatted with him a few times myself when our beams happened to be aimed at each other.

Occasionally I would drop in on him when visiting my mother in Santa Cruz. He was increasingly showing the ravages of his physical problems, but he was still busily hamming. The 01A project never seemed to have any dust on it. He denied it, but I always suspected that he was still trying to prove that the tubes would work on two-meters.

Age and his ailments finally made him a silent key quite a few years back. The asthma wheezing voice from Capitola is gone forever. But, since he is sure to have gone to that place where all good hams go: the place where the bands are always open, where the noise level is zero, and where there is no QRM or TVI, I am certain that Bill is there still trying to make an 01A work on two-meters.

The above article is true. I wrote it some time ago for use on Old Timers' Month. Hope you like it.

10-5:30 MON.-FRI., 10-5 SAT.
K6DTX, 32 YEARS

DAVID SHAVER
OWNER

CAMPBELL ELECTRONICS SHAVER RADIO, INC.

SALES, SERVICE, INSTALLATION
NEW, USED, CB, HAM RADIOS, CELLULAR PHONES

LOCATED IN THE CAMPBELL CENTER, 1/2 BLOCK S. OF CORNER OF HAMILTON AND WINCHESTER
1775A S. WINCHESTER BLVD.
CAMPBELL, CA 95008
(408) 370-6665



PRESENTATION OF OUR ARRL FLAG
 left: WD6CHD our PREZ
 right: W6ZM ARRL VP
 SCCARA is ARRL affiliated

FROM YOUR TREASURER



NEW MEMBERS: please welcome and congratulate the following new SCCARA members from our recent novice class. NOVICES: Robert Kohler; Wally Noble; Ivan Smith; John Thomas; Alan Brownstein (OM of Meredy and son of Le Henderson, KB6MXG -- talk about family pressure to get a ticket!!); and Mary Russel (daughter of Jack, WA6IER). TECHNICIANS: Bill Glover; Robert Kellert; Patel Madhusudan; plus Neal and Renee Macklin who, in addition to awaiting their technician licenses, also await the arrival of a little harmonic. Joe Barbuscia has written element credit. Also welcome these other new members: Rosa Salinas; Diane Aldis-Firenzi; Bill Ashby; Severino Balangue; Arthur Bye; Ludovic Tandi; James Shaw, WA6PXU; and Lee Lauer, KB6SZA. Lee's dad is JJ, N6PMM.

CLASSES: Thanks to Rod, KB6ZV for mentioning our new instruction efforts in the ARRL Director's Newsletter. Results were even better than Jim, WE6V and I had envisioned. With 7 novices and 4 technicians out of 13 persons tested the pass rate was high. Five students declined to

(CONTINUED RIGHT COLUMN)

SCCARA-GRAM PAGE 5

FROM THE FILE OF KB5ADQ
 COPIED FROM "CHARRO"

BUTTERMILK BANANA NUT BREAD

2-1/2 cups sugar
 1 cup shortening
 3 eggs
 1-1/2 cups mashed bananas
 3 cups flour
 1-1/4 cup buttermilk
 1-1/2 teaspoon soda
 1-1/2 teaspoon baking powder
 1 teaspoon vanilla
 1/2 cup chopped nuts

Crean sugar and shortening; add eggs one at a time. Add bananas and vanilla. Add dry ingredients alternately with buttermilk and chopped nuts. Put in two 9 x 5 inch loaf pans. Bake for 45-50 minutes at 350 deg. F. or until wooden pick comes out clean when inserted. Cool ten minutes. Then remove from pans. Slice when cool. Keeps moist when lightly wrapped. Freezes well.

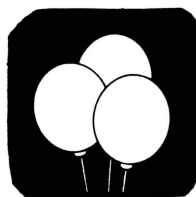
(CONTINUED FROM LEFT COLUMN)

to be tested, and 1 student has now passed written element 2 and should complete soon. We plan another seminar session in early November, depending on classroom availability, etc. If you have any friends who would like to go for that first ticket, let them know about the upcoming class and then read the SCCARA-GRAM and/or watch the bulletin board at Qgements.

UPGRADES: Michael Bergman to technician and our old pal Sam Bigham, N6NRX has mastered 13WPM and is now signing general! WOW ! Quite a group and quite an assortment of accomplishments.

TEENAGERS:

Lee Lauer, KB6SZA appealed for teenagers to start a teenage net in the last issue. I hope he is having some success with his effort, as this sort of activity, started and done by teens, will enable our hobby to thrive. But where are the teenage hams? Sad -to-say, but there aren't



(CONTINUED ON PAGE 6)

OCTOBER 1987 ISSUE

Don't look for flaws as you go
 through life,
 And even when you find them.
 It is wise and kind to be somewhat
 blind
 And look for the virtues behind them.
 The work will never adjust itself
 To suit your whims to the letter;
 Some things must go wrong your whole
 life long'
 And the sooner you know it the
 better.
 It is folly to fight with the
 infinite
 And go under at last in the wrestle
 The wiser man shapes into God's plan
 As water shapes into a vessel.

(copied from "CHARRO")

(CONTINUED FROM PAGE 5 RIGHT)

many these days. I find the most sensible and daring thoughts come from Wayne Green, W2NSD/1 the editor of "73". [PLEASE SEE EDITOR NOTES FOLLOWING THIS ARTICLE] He writes that we should modernize our approach and support newcomers better than we have. Some people don't like Wayne because they think he is anti-league, but I can't side with these critics when they offer no better solutions or approaches than he does. It's easy to criticize. [Ed: just what does Dan think Wayne does? Reads to me like Green is a god; above us all - sorry but I couldn't wait until I finished typing this] Some people don't like radical ideas, but I feel it is going to take implementation of some new thinking to get the hobby growing. We must adopt innovative ways, or, like General McArthur's old soldier, we will just fade away. We can't relax and depend on Newington to come up with all of the ideas. It is up to all of us at the local level to be innovators. And, if our ideas have merit and work, we must share them with the ham community through the league. We must try new things to get teenagers interested and make them feel that they are wanted in the hobby. What exactly have we done? Well, we offer them free admission to "PACIFICON '87". We offer novice

(CONTINUED RIGHT COLUMN)

SCCAR-GRAM PAGE 6



All photo credits
 Bob Keller, KB6OHO

(CONTINUED FROM LEFT COLUMN)

classes in seminar style to minimize a student's homework and transportation conflicts. But we must do more! I'm not certain exactly what should be done to generate interest to persons at this age level, but we should not give up until we see increased numbers of teenage hams enjoying themselves on the air, at field day, at the convention, and at club meetings.

73 de Dan, WM6M

EDITOR'S COMMENTS ON ABOVE ARTICLE:



Dan apparently has fallen under the spell of the smooth-writing and smooth-talking Wayne Green. It is easy to do until you take a close and objective look at just what is being said.

He makes much criticism, but I have never heard him back up any of his spiels with a positive plan. Everyone knows that we need more youth in ham radio, but, so far, noone knows the solution to the problem. Unknown to Dan, many attempts to establish youth in ham radio efforts are being tried by league officials and member groups. I have been reading the editorials and reading or hearing speeches authored by the gentleman. Yes way back to the days when he was kicked out as editor of a ham magazine, and then limped off to start "73". I have even read some statements supposedly made by his former wife about him, but those must not be taken as fact. She was taking him to the cleaners in a divorce suit. I can't fault old Never-Say-Die for the statements that he makes, but where is any plan to carry them out.

I have met him in person twice

(CONTINUED ON PAGE 7 LEFT)

OCTOBER 1987 ISSUE

(CONTINUED FROM PAGE 6 RIGHT)

in my life. He impressed me as being a great prospect for a used-car salesman.

The last speech that I heard him give was at "Ham-West" last November. He went on and on about the dumb move by ARRL when they quote drove a stake into the heart of no-code licensing unquote. ARRL did not kill the issue; the hams that constitute the ARRL membership killed no-code licensing. Most individuals that I know of in favor of the issue have a pecuniary interest in it. I don't know about Green, but I can suspect, can't I? Frankly, I was somewhat on Green's side on that issue. To coin a phrase: I don't think that the fine print was read by ham radio. I think that hams are reasoning incorrectly on the no-code issue. We are going to have no-code licenses some day. The thing that should be done is explore the ramifications of the issue. The league has already relented somewhat in its stand by the novice enhancement. To me that is a small step in the direction of no-code licenses. The FCC has also gotten into the act by forcing the much easier technician license on the ham world. Time is all that is in the way of final adoption of no-code in my opinion.

Green once tried to undermine ARRL by starting his own society of ham radio operators. He approached bankruptcy over it, and he did not endear himself to a lot of the ham community over that issue.

Now lets examine why youngsters fell out of favor with the ham community. The obvious one is that there is a high percentage of older hams, and age tends to bring intolerance of youth. On the aother hand, youth has its impatience with age. Today more so than when I was a youth. In the fifties the new VOX operated SSB communications brought with it some silly nets operated by youngsters. For example the flying saucer nets where a group of kids spent all evening playing like "Star-Wars". Nothing illegal about it, but not very acceptable to a lot of hams. Today most of the jammers

(CONTINUED PAGE 9 RIGHT)

SCCARA-GRAM PAGE 7

HELLO, OLD TIMER

By VE2DG

When you lose the thrill of a QSO
With a W-one or two
When the fact that you're heard
in some far distant land,
Just don't mean a thing to you
When sending a card, is a burdensome
task,
And a listener's card is taboo
When you snub a beginner, when a
"chirp" is a crime,
And a QRS plea you abhor.
You better get out of ham radio,
friend
For there's no fun for you anymore.
I just love to be told, "You're my
first VE2,"
If he only lives over the line.
The pleasure of working a Chirpy DC,
It's a thrill, boy, to me any time.
I like to "pipe down" send slow to a
kid,
Sure - and tell him his keying is
fine,
And when he comes to that "Please
QSL,"
Believe me, the pleasure's all mine
If you would enjoy this old Radio
Game,
Just pause and hark back o'er the
years,
When if you hooked a "seven", you
thought you'd done fine,
And to lose him just almost brought
tears.
Youve got to think back to your lid
days again
And remember that this is quite
true
You must do unto others in the
Amateur World
As you'd have them do unto you

BAYLARC NEWS

The Baylarc net has been having seven or eight YL's checking in on it. After the convention plans are tentatively set to have the net meet each Wednesday night at 2100 on 28.333 MHz. A 2-meter net is also in the planning stage for those not having HF equipment. Mickey Lutz, N6ODN is now a director of BAYLARC and is chairman of the committee for nomination of officers.

OCTOBER 1987 ISSUE

REPEATER REPORT

By Ed Mangan, KB6DLB

Hi everyone. Here is the first report on the repeater in the SCCARA-GRAM in some time.

On 8/13/87 Wally, KA6YMD and I added two new chips to the RC-85 controller at the repeater site. This considerably increased the repeater vocabulary, and it improved several inherent problems in the old software.

One of the upgrades now enables a control-operator to set the controller to no courtesy-tone and no hang-time using minimal touch tones over the air without accessing the main program of the repeater. A control-operator differs from a repeater committee member by the control capabilities assigned to him. The repeater committee assigns only those codes and code capabilities to the control-operator that the repeater committee deems advisable. We now have three levels of code control of the repeater: (1) General codes or those codes that are available to anyone. These are the codes to call emergency numbers, etc. (2) Secondary codes or those codes given to certain persons designated by the repeater committee to be trusted with certain limited capability codes that can be sent over the air. (3) Primary codes or those codes that have major control of the repeater. To prevent on-the-air decoding of our primary codes, assignment is limited to repeater committee members with normal access being over the telephone line, but access is possible on the air. The advantages of this change are of most value to emergency nets that require no hang-time and no courtesy tone conditions. RACES is the main requirer of this condition. SCCARA members who are also members of RACES are requested to volunteer as control operators. Three or four would assure that someone would be around to do the control work, when such is required.

Allan, N6NOY and Bob, N6PCQ have formed a technical committee for fun. I have suggested that they construct

(CONTINUED RIGHT COLUMN)

SCCARA-GRAM PAGE 8

(CONTINUED FROM LEFT COLUMN)

a four-bay stacked dipole type antenna with gain possibilities of up to 12 db. Such an antenna is roughly pictured to the left. You have probably seen many of these around the area on commercial installation masts. Cost of a commercial equivalent of this antenna is in the range of about \$400.00, but the committee could probably build one for much less, and have a lot of fun doing so. [Ed. We have a retired antenna designer in the club who could help out with suggestions, but he would probably suggest buying a commercial antenna as such construction is not simple. I am not going to mention his name, as he gets hard to handle with publicity]. Allen and Bob would probably welcome additional members to their committee. The club could probably sell the old antenna to offset some of the cost of the new antenna.

With gain may come interference from other repeaters. Particularly Clear Lake's unsanctioned repeater on our pair. A solution for this would be to go to PL on our repeater. PL is a subaudible tone modulating your transceiver carrier that is required by the repeater receiver to open its squelch [Ed. PL only guards against unwanted turnons. It does little or nothing against intermodulation once the repeater frequency squelch is opened]. I would like to see it installed on two-meters. New transceivers have capability of coding any PL tone on each channel. Old transceivers must have a PL unit installed. The PL units only operate on one PL frequency, but some have switchable tone capability, but few have programmable capability. It is difficult to use more than one PL frequency on these old units. Not very convenient. For that reason, I am in favor of all area repeaters using the same PL tone. [Ed. More

(CONTINUED ON PAGE 9)

OCTOBER 1987 ISSUE

disadvantage than advantage to that. Most unwanted turnons come from other repeaters. With all having same PL tone it is back to almost the state of no PL] The PL tone will not be secret. PL was used in the past to keep closed repeaters from unwanted access, but, with the new transceivers, such is no longer practical. [Ed. PL would be useful to me. I live in a nest of stray carriers. Have to keep my squelch full clockwise at all times, to keep about half of them out. PL would make it a lot quieter in the shack when monitoring two. That is the reason that I don't monitor two-meters much at home.]

Wally, KA6YMD is working on a new interface to allow 440 users access to the emergency patch.

Wally and I may make some 440 antenna changes for comparison purposes.

General repeater codes are available from Wally, KA6YMD. He is listed in the roster,

The emergency codes are not accessible from 440. It is recommended that you try to have someone on two-meters make your emergency call for you. This condition will exist until the 440 interface is installed.

If anyone has some 220 gear that they would donate, it is possible to set up a 220 MHz remote base tied to the repeater to give novices a chance to use the repeater.

Also the repeater now has paging capability on two-meters and 440. If interested call me for further info.

Many thanks to those donating money to purchase the new chips.

73 de Ed, KB6DLB

[Ed. The words are mostly mine, but the thoughts are All Ed's. Some assistance in clarification of ED's notes from Wally. I hope that I have interpreted exactly what Ed had in mind]

Educational message to:
Bob, W600Y:

This a feathered turkey definitely not a pigeon not to be confused with your common featherless turkey.



SCCARA-GRAM PAGE 9

CONVENTION REPORT

As I am writing this the convention is progressing very nicely. Pre-registration is about thirty-five percent higher than last year. Hotel registration is about close to four times last year. From all appearances we are going to have a very good convention. Very gratifying to see the work paying off. AE6Z

(CONTINUED FROM PAGE 7 RIGHT)

are persons who have not added many years to their age. A ham who got his start with SCCARA is reported to be one of the chronic jammers. C'est la vie.

Over the years I have trained many hams. Usually by myself on a one-to-one basis. Young and not-so-young. I have even trained the captain of a flying saucer, but he matured into a microwave expert and is still hamming. I even produced a ham son. He may be at the convention with me for he is due out from New York State on the Saturday of the convention. All depends on jet-lag.

I have been unable to get overly excited about this teenage problem. Teenagers will flock back into hamming as soon as such becomes the in-thing again. If we can't interest teenagers, lets go after the non-teens. Dan will probably get excited about that as soon as someone at ARRL starts considering such a program and thereby causes Wayne Green to think of it.

This is an ARRL affiliated club. As such we should be bending our efforts towards improving hamming through our director and the league. Dan preaches ARRL first last and always while supporting those who will do the ARRL in. His local "guru" has told me more than once on those Saturday night telephone calls after ten too many sips at the wine jug that doing the ARRL in is his aim. I am sorry but Dan is going to get clobbered by me everytime he proceeds along this path. I almost wrote in this vein last month. Then I was really seeing red. You can always replace me as SCCARA-GRAM editor. I said it and I am glad.
OCTOBER 1987 ISSUE

President.....Ed. Rawlinson, WD6CHD (408) 264-2988
 Vice President.....Allen Levin, N6NDY (408) 255 6852
 Secretary.....Teryl Pratt, N6NRQ (408) 281 3099
 Treasurer.....Dan Dietz, WM6M (408) 224-9023
 Parliamentarian.....Clarence Dodge, KB6DLG (408) 296-1188

Directors:

George Allan, WA6O	Bob Richmond, N6KLQ	: ARRL VEC HOTLINE:
Herb Himmelfarb, KB6ABG	Lou Steirer, WA6QYS	: (408) 984-8353 :
Harry Wijtman, AE6M	Clarence Dodge, KB6DLG	:

SCCARA-GRAM Staff: Shorty Freitas, AE6Z Editor (408) 243-8349
 Joe Quirantes, WA6DXP. Data Base Mgr. (408) 371-0959
 Ed Rawlinson, WD6CHD. Mailman (408) 264-2988

Club Repeater: 146.985 in/146.385 out--447.425 in/442.425 out - a
 simultaneously keyed open repeater. Net meets Monday night at 1930 PT
 except on regular meeting nights. STATION TRUSTEE: DOC GMELIN, W6ZRJ.

Regular meetings are held on the second Monday of each month at 1930 PT.
 Meeting place is COUNTY SERVICE CENTER, 1555 Berger Drive, Bldg. #2.
 Visitors are welcome to attend.

Permission to reprint articles is hereby granted provided source is
 credited.

SCCARA-GRAM is published monthly by the Santa Clara County Amateur Radio
 Association.

SCCARA-GRAM PAGE 10 OCTOBER 1987 ISSUE

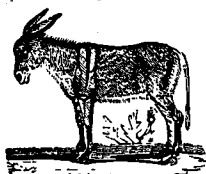
.....COVER.doc..

SANTA CLARA COUNTY
 AMTEUR RADIO ASSOCIATION
 affiliate of
 American Radio Relay League
 P.O. Box 6, San Jose, CA 95103

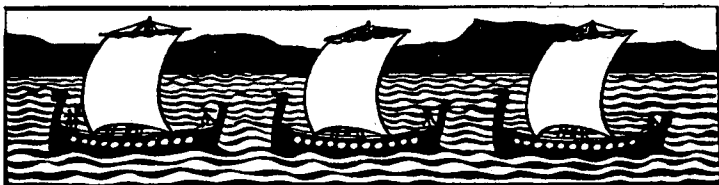
.....
 : Non-profit Org. :
 : US Postage :
 : PAID :
 : Permit No. 3318 :
 : San Jose, CA :
 :

OLD TIMERS' NIGHT
 OCTOBER 12: EAT 1830
 PROGRAM AFTER DINNER
 BRING AN OLD TIMER AND YOURSELF
 TO HARRY'S HOFBRAU
 SARATOGA AVE. AND KIELY, SJ
 SPOUSES WELCOME

.....
 :
 : TIME DATED BULLETIN :
 :



WD6CHD
 Rawlinson, Ed
 2619 Aragon Way
 San Jose, CA, 95125



What would an "OLD TIMERS' NIGHT" be without old timers? Please consider this a personal invitation to break bread with us at Harry's Hoffbrau on October 12th, as detailed in attached SCCARA-GRAM. Isn't it about time for an eyeball QSO and a rag-chew? Yeh, and check out these kids running SCCARA now. See if they lost SCCARA's shirt at PACIFICON 87, the previous three days.

Call ED RAWLINSON, WD6CHD, if you need a ride, Phone is 408/264-2988. No promises, but we'll sure try.

73's de ED, WD6CHD, Prez.