

# SCCARA-GRAM

SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION  
VOLUME 8 NUMBER 2

ORGANIZED IN 1921

## THE PREZ SEZ

HAPPY FEBRUARY!!! AS YOU READ THIS, I HOPEFULLY WILL BE SETTling INTO MY NEW HOME IN WATSONVILLE. AFTER 15 YEARS ON HOPI CIRCLE, I FELT IT WAS TIME FOR A CHANGE. UNFORTUNATELY, I FORGOT JUST MUCH TROUBLE MOVING CAN BE. NOW I REMEMBER! I'M MOSTLY MOVED WITH ONLY ANTENNAS TO TAKE DOWN AND MOVE PLUS SOME OTHER ODD STUFF TO DO.

I WAS CONCERNED ABOUT HOW TO ACCESS THE SCCARA REPEATER, BUT MY FEARS WERE RELIEVED WHEN I FOUND I COULD WORK IT USING MY 45-WATT MOBILE RIG FROM MY DRIVEWAY. SINCE I HAVE AN 11-ELEMENT BEAM AND 170-WATT LINEAR (SOMEWHERE IN THE PILE), I SHOULD SOON BE ACCESSIBLE VIA 146.385. I HAVE 2/3 OF AN ACRE, ONLY 3 NEIGHBORS, AND A LITTLE ELEVATION...SO I HOPE TO BECOME MORE ACTIVE ON-THE-AIR. I SEE VISIONS OF LONGWIRES, ETC.

PLEASE MAKE A NOTE OF MY NEW ADDRESS:

DAN DIETZ, WM6M  
24 BAFF DRIVE  
WATSONVILLE, CA. 95076  
408-761-8958

I SHOULD HAVE MY 2-METER BEAM UP THIS WEEKEND SO, IF YOU WANT TO REACH ME AND NOT USE THE PHONE, GIVE ME A ONE-RINGER AND I'LL LISTEN ON SCCARA.

I REAPPOINTED BOB RICHMAN, N6KLB AS A DIRECTOR TO REPLACE ART FURTADO, K66PY. IT SEEMS THAT ART HAD TAKEN ON MANY DUTIES AND FOUND HIMSELF A BIT OVERBOOKED THEREFORE UNABLE TO ATTEND BOARD MEETINGS. EVER THE GENTLEMEN, ART AGREED WITH THE TRANSITION. I KNOW WE CAN CONTINUE TO COUNT ON ART BEING ACTIVE IN SCCARA. ART ALSO IS NOW IN RADIO-CONTROLLED MODEL AIRPLANES. I WATCHED SOME FLIERS LAST WEEK AT TORREY CLIFFS NEAR SAN DIEGO FLY THEIR MODELS AND IT SURE LOOKED LIKE A BLAST. MAYBE WE CAN GET ART TO PUT ON A DEMO AT SOME FUNCTION.

THE FIRST 1989 BOARD MEETING WAS HELD RECENTLY. THE MINUTES SHOULD APPEAR ELSEWHERE IN THIS ISSUE. WE HAVE AGREED TO INVESTIGATE THE POSSIBILITY OF A PACIFICON '89. WE ALSO ARE CHECKING THE AVAILABILITY OF MOUNT MADONNA AS FIELD DAY SITE AGAIN.

ANOTHER MAJOR PROJECT IS TO MAKE AND PUBLISH A 1989 ACTIVITY CALENDAR. SCCARAGRAM EDITOR MIKE HASTINGS, KB6LCJ PUBLISHED ONE IN JANUARY. WE SHOULD HAVE UPDATES IN FUTURE ISSUES.

SEE YOU AT THE NEXT MEETING. 73 DE DAN, WM6M

## NEXT MEETING

Date: Monday 02/13/89  
Time: 1930-2200 (approx)  
Place: Agnews Facility. Talkin on 146.385+. Facility Located on Palm Avenue. Take Montague to Layfayette. North on Layfayette to Palm.

### SPEAKER

Don Gaubatz W6GJF has agreed to show his slides covering his recent visit to CHINA. His slides are of excellent quality and I'd heartily recommend that you (and your spouse) do not miss this one.

## MEETING AGENDA

- 1: SCCARA HOTLINE. What to do with it.
- 2: PACIFICON. Do we do it??.
3. FIELD DAY. Need a chairman. Will we computerize again??

# TREASURERS TRINKETS

My how time flies when you're working hard. Here it is time to get articles ready for the SCCARAGRAM again. I have been hard at work getting a handle on the job of being your treasurer.

As I have mentioned before, one of the things I want to do is update SCCARA's list of assets. Ben Wilbanks, KA6R, has turned over to me a bunch of diskettes for an Apple II that he said may contain a list of assets that was made when he was in office in 1980. I haven't had a chance to look at the disks yet, but have located a computer I think they will run on, so hopefully SCCARA has something to start with.

We have some new members to welcome to the club and will hopefully see at our next meeting as they will be getting this SCCARAGRAM. They are Bill Rausch KJ6PG, Jon Stanton KB6KEH, and Randy Miltier, N6HMO. Welcome aboard all!!

The mail has also brought many 1989 dues from current members. SCCARA's sock under the mattress thanks you and wants me to remind those who haven't yet sent in 1989 dues yet to do so soon. According to SCCARA's bylaws, by March 31 the treasurer is supposed to drop from current membership those who haven't paid their dues. To save us the time and expense of sending written notice of delinquent dues, please don't procrastinate any longer. Enough said about that.

The mail also brought another stock certificate as Ameritech declared a 2 for 1 stock split. We now have 4 more shares. I have located our current stock certificates and will be getting those shortly as SCCARA will be getting a safe deposit box at San Francisco Federal Savings to hold these and other important papers.

That's about all from me this month. Let me know of any roster information changes, so I can keep the roster current. Any license class or call changes, ARRL affiliation changes, as well as address or phone changes can be sent to me at home or to SCCARA's PO Box. Also if you want an updated roster, let me know and I can bring some to the meetings. Now for the important, official report of SCCARA's fiscal situation.

Bank of the West (1-1-89)	\$1345.17	
Deposit error	<.50>	
Expenses	<220.25>	
Dues received	275.00	
ARRL commission	2.00	
Bank of the West (2-1-89)		\$1401.42
SF Federal Savings (1-1-89)	\$1472.65	
Convention profits	1300.00	
SF Federal Savings (2-1-89)		\$2772.65
Petty cash (1-1-89)	\$ 50.00	
Petty cash (2-1-89)		\$ 50.00
TOTAL CASH		\$4224.37

73 de KB6ICQ

# BOARD MEETING MINUTES

SECRETARY'S MINUTES OF JAN. 19th  
SCCARA BOARD MEETING.

PRESENT: Pres. Dan, WM6M; V. P. Geo. WA6O;  
Treas. Kathy, KB6ICQ; BOARD MEMBERS:  
Bob, N6PCQ; Herb, KB6ABG; Ed, WB6CHD;  
Bob, N6KLQ; Lou, WA6QYS; and members:  
Shorty, AE6Z; Stan, WA6VJY.  
ABSENT: Secretary Don, K6PBQ.

Pres. Dan opened the meeting at 1945 hours, welcoming Bob Richmond, N6KLQ, reappointed to the Board to replace Art Furtado, KG6PY, who had a conflicting schedule Board Meeting nights.

Prior minutes were not read due to Secretary's absence, and Ed, WD6CHD, was requested to substitute.

Treas. Kathy reported a current balance of \$1,472.65 plus a check for \$1,300.00, PACIFICON '88 profits.

Liability and property insurance coverages for SCCARA were discussed, particularly trailer useage, and acquisition of it and the other new equipment purchased. A thorough inventory is to be taken by Kathy, to be compared to coverage. An agreement to cover useage by others is to be worked out for presentation to the membership. Trailer is to be weighed to see if in compliance with D.M.V.

Rental of a safe deposit box at S.F. S&L where our account is, was approved for storage of our vital papers. One signature, three persons on list for entry, was decided upon.

Bob Forster, N6PCQ, reported minimal useage of the SCCARA HOTLINE. For the expense incurred (\$8.50/mo.) and the effort to update it, he questioned continuing it. This was thoroughly discussed, this being our primary link to new members or persons seeking info. Also, our present machine is borrowed and should be replaced. Action was tabled pending discussion with membership. SO, IF YOU WANT IT, USE IT!!

The next item was to fill in the ACTIVITY CALENDAR started by our SCCARA-GRAM Editor. We definitely

decided upon Field Day, 6/24-5 at Mt. Madonna, and will have Art, KG6PY, make the reservation. So, the June Club Meeting will be Field Day planning. Dan offered his new house in Watsonville for an August Pot-Luck, which we will do. We discussed a Transmitter Hunt, which will be explored. December Meeting will be the Xmas Party of course. Where? We'll look to the membership for approval and further ideas at the February Meeting.

Shorty, AE6Z, updated us on PACIFICON '88, stating that the \$1,300.00 given the club, still left our convention nest-egg intact. He sought guidance as to whether we wanted a PACIFICON '89. A tentative hold has been placed on 10/7-8 at the Le Baron Hotel as a starting point. There is a remote possibility that Sacramento might want to put it on, which we'll soon know. Should we go ahead a Spouse's program is a must; and our whole act could stand a little dressing up. Bob, N6PCQ, is exploring program now. By Club Meeting time we should have all the answers!

Meeting was adjourned about 2145 hrs.

Submitted by Ed Rawlinson, WD6CHD,  
for Don Village, Secretary.



## SICK BAY

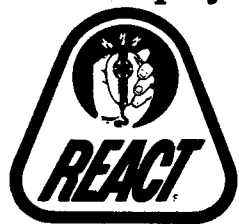
This must be the month for cataract surgery. Both Bill WZ6M and Dorothy (Joe WA6DXPS wife) had surgery. Bill had his work done on Monday 01/30. It was a 45 minute operation.. According to Bill (or rather Bills wife) this operation used to be very serious requiring a two week hospital stay and requiring the patient to keep his head perfectly still. Here hoping that they both have a speedy recovery...

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## Citizens Band Helps Too!!

Found the following ad in a RV magazine....

**For 25 years,  
our people have  
endured long hours  
and tough  
working conditions  
for no pay.**



**And 9 out of 10 would  
do it again.**

---

TO FIND OUT WHY  
call  
(316) 263-2100  
or write  
**REACT INTERNATIONAL, INC.**  
242 Cleveland  
Wichita, KS 67214

REACT is a worthy organization. They have helped me and I wouldn't be surprised if they have helped you.

## ARRL BULLETIN #8

QST DE W1AW HR ARRL BULLETIN NR 8  
RLB008 FROM ARRL HEADQUARTERS  
NEWINGTON CT JANUARY 31, 1989  
TO ALL RADIO AMATEURS BT  
FCC HAS OPENED THE 18 MHZ BAND FOR  
AMATEUR OPERATION. STATIONS WITH  
GENERAL, ADVANCED AND EXTRA CLASS  
OPERATORS ARE NOW AUTHORIZED TO USE  
THE BAND FROM 18.068 TO 18.168 MHZ.  
A1A EMISSIONS MAY BE USED IN THE  
WHOLE BAND. DIGITAL EMISSION F1B  
FOR DIRECT PRINTING, TELEMETRY,  
TELECOMMAND AND COMPUTER  
COMMUNICATIONS IS PERMITTED BELOW  
18.110 MHZ AND ANALOG EMISSIONS SUCH  
AS FAX, SSTV AND PHONE MAY BE USED  
FROM 18.110 UP. THE NORMAL POWER  
LIMIT OF 1500 WATTS OUTPUT APPLIES,  
BUT AMATEUR OPERATIONS MUST NOT  
CAUSE HARMFUL INTERFERENCE TO U.S.  
GOVERNMENT AND FOREIGN FIXED SERVICE  
OPERATIONS. THE AUTHORIZATION IS  
CONTAINED IN A REPORT AND ORDER IN  
PR DOCKET 88 467. UNDER ITS TERMS  
AND THOSE OF WARC 79, THE BAND  
BECOMES EXCLUSIVELY AMATEUR ON JULY  
1, 1989 AR

### **EDITORS COMMENT**

Is anyone interested in this stuff. If you are, please let me know and I will continue.

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## **MORE ON NEW 10M RIGS**

Subject: Comments: Uniden HR2510 and  
Radio Shack HTX-100

I've been interested by the comments regarding the Uniden and Radio Shack 10 meter rigs, but have avoided comment until getting some hands on

experience.

For a good description and review of the HR2510, see the February 1989 "CQ". I don't know of any published reviews of the HTX-100, yet.

I know several local RS managers; one told me he would ask for licenses. He later said he sold his first unit to a fellow who claimed to have just passed his Novice, and was waiting for his license. Another manager, when I asked of his intention regarding license checks, said he knew all of the guys asking about the HTX-100, so he would only need to inquire of those he didn't know. Neither of them mentioned anything about corporate policy regarding license checks.

The HTX-100 has a prominent label on top of the unit warning that the rig is for amateur use only, license required. Similar warnings are contained in the manual for both the Uniden and RS. Only the RS HTX-100 has a schematic in the manual. I haven't inquired about a tech manual for the Uniden, so I don't know if one is available.

Even though both rigs are made by Uniden, and the cases are the same size, panel layouts and features differ. The Uniden HR2510 lacks a low power switch, and has a 5-pin mic connector. The Radio Shack HTX-100 has an 8-pin mic plug, lacks AM and FM, PA, courtesy beep, mic

gain control, and SWR meter, features found on the Uniden. The HTX-100 has a headphone jack on the front, SPKR and KEY jacks on the rear. The HR2510 has no headphone jack, and speaker and key connections must be made with a 9-pin connector on the rear. I'm not sure, but I think only the HR2510 has built in SWR bridge.

Much concern has been raised in the amateur community about these rigs because they are easily modified for out-of-band use. Several rumors abound here: 1) Uniden is modifying the HR2510 to prevent the out-of-band mod; 2) Radio Shack has requested that Uniden modify the HTX-100 to prevent any simple out-of-band mod; 3) Clipping a diode will increase frequency coverage of the HTX-100; etc., etc.

If rumor #1 above is true, it hasn't happened yet. I tried it to see. Before the mod, frequency coverage is in 4 bands, A, B, C, & D:

Band A: 28.0000 thru 28.4999 MHz  
Band B: 28.5000 thru 28.9999 MHz  
Band C: 29.0000 thru 29.4999 MHz  
Band D: 29.5000 thru 29.6999 MHz

After the mod, frequency coverage is as follows:

Band A: 28.0000 thru 28.4999 MHz  
Band B: 28.5000 thru 28.9999 MHz  
Band C: 29.0000 thru 29.4999 MHz  
Band D: 29.5000 thru 29.9999 MHz

Band E: 26.0000 thru 26.4999 MHz  
Band F: 26.5000 thru 26.9999 MHz  
Band G: 26.9600 thru 27.4099 MHz  
Band H: 27.0000 thru 27.4999 MHz  
Band I: 27.5000 thru 27.9999 MHz

(By the way, the modification is one foil cut and one jumper. That's all.)

The UP/DOWN channel buttons on the rig and microphone step through 50 10 KHz "channels" in each band. These memories are not modifiable.

Band G is why this rig has such a reputation with CBers and Hams alike. This band has 40 channels, not 50, and yes, they are the 40 CB channels, from 26.965 to 27.405, even with the strange out-of-order arrangement for channels 22-24-25-23-26. There is no mistake, this capability was intentional. As long as I have this rig, I'll probably leave the mod enabled, so I can monitor traffic reports while travelling. Real 10 meter contacts are so easy to come by that I have no need or remote desire to transmit out of the 10 meter band.

There are better (and more expensive) antennas available, but I chose to use a 4 ft. fiberglass whip (top loaded), mounted on a swivel head on my rooftop. After shortening the antenna appropriately, it resonated quite nicely around 28.400 MHz. My very

first contact was with an IK3, and I've never been without plenty of daytime contacts since

Regardless of the obvious problems we have with non-hams buying, modifying, and operating these rigs, I am tickled pink to see such a nice rig available for a reasonable price. I've had QSOs with many other mobile operators, many using HTX-100s and HR2510s. With Novice Enhancement, I think these rigs are a welcome arrival. Most reports from encounters at Radio Shack seem to indicate that they are making an effort to screen buyers. I'm determined to keep a positive outlook, hoping that these new rigs will spark interest in old, new, and potential hams alike.

The fun on 10 meters is just beginning! -- Kevin Tubbs, 5152 Upson, Cornell University, Ithaca NY, 14853 (607) 255-8703

#### **ANOTHER EDITORS COMMENT**

Rather long article extracted from packet. I do think that the 10M popularity is on the upswing. Never liked long articles when I was a reader and not the editor. Will try to keep them to a minimum...

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## **SVECS BREAKFAST**

Well if you missed the quarterly SVECS breakfast held on Saturday 01/14/89, you missed a good one. The breakfast was tasty, the reports short, the speaker (Don N6GJF) gave

a slide presentation on his recent China trip, and we were all out and back to chores etc. by noon. Dons slides, by the way included a ham radio station which he visited (and operated for a short while). SCCARA was well represented there..I counted 10+ of our members.

## EDITORS CORNER

Well This newsletter is almost ready for print. For those of you that provided inputs...THANKS... I need inputs. Prefer items of local interest. DUES..... Don't forget your dues. A new roster will be coming out in the April newsletter. Non dues payers will not be on it. NUFF SED Please use the payment application provided.

### SCCARA 1989 DUES PAYMENT APPLICATION

Remittance: \$ \_\_\_\_\_ for \_\_\_\_\_  
 Self \$15; Family \$20; Student \$5  
 (Student is 18 years of age & under)

Name: \_\_\_\_\_

Call: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_ Zip: \_\_\_\_\_

License Class: Stu \_\_\_ Nov \_\_\_ Tech \_\_\_  
 Gen \_\_\_ Adv \_\_\_ Ext \_\_\_

ARRL member: Yes \_\_\_ No \_\_\_ Send Info \_\_\_

-----  
 Name, Call & License Class of Family

Member: \_\_\_\_\_

Mail to SCCARA  
 PO Box 6  
 San Jose, CA 95103

## THE FLEA IS COMING

The Perham Foundation is again sponsoring the Foothill College Flea Markets the SECOND Saturday of each month starting in March, 1989 and running thru September, 1989. Cost is \$7.50 per two spaces for sellers and buyers are free. Starting times vary with the rising of the sun so get there early for the best bargins! Foothill College is located in Los Altos Hills at the El Monte Exit of 280. Talk in is on 145.27/R.

Date	Individual Sponsor
March 11	Electronic Museum Amateur Radio Club
April 8	Palo Alto Amateur Radio Association
May 13	Foothill's Amateur Radio Society
June 10	Perham Foundation
July 8	Southern Peninsula Em. Comm. Users Group
August 12	Amateurs donation to Palo Alto Red Cross
September 9	Southern Peninsula Em Comm. Hardware Group

SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION

CLUB OFFICERS				Directors		REPEATER COMMITTEE	
President	Dan Dietz	WM6M	224-9023	Herb Himmelfarb	KB6ABG	Wally Britten	KA6YMD
Vice President	George Allen	WA6D	269-4302	Bob Forster	N6PCQ	Keith Butts	KN6K
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Treasurer	Kathy Getsla	KB6ICQ	275-0735	Ed Rawlinson	WD6CHD	Trish Gibbons	WA6UBE
477 Pamilar Ave. San Jose 95128				Lou Steirer	WA6OYS		

SCCARAM STAFF				REPEATER INFO			
Facilities/Coffee	Stan Getsla	WA6VJY		Call	W6UU		
				2 Meter	146.385+		
				440	442-425+ (PL)		
SCCARAM-GRAM				Nets are held every Monday evening at 1930 sharp, except for the second Monday which is our meeting night.			
Editor	Mike Hastings	KB6LCJ	243-6745	STATION TRUSTEE Jean "Doc" Gmelin W6ZRJ			
Publishing Staff	Lou Steirer	WA6OYS	241-7999				
Good+Welfare	Herb Himmelfarb	KB6ABG	226-2919				
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SCCARAM HOTLINE 249-6909

ARRL VEC HOTLINE 984-8353

SANTA CLARA COUNTY  
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