

SCCARA-GRAM

Santa Clara County Amateur Radio Assn. (SCCARA)
Volume 7 Number 10

Organized in 1921
October 1990

Well Ma and I have signed up for
Pacificon. How about you?

And say Pa, don't forget
to to tell em that we paid
for our **Sccara
Christmas
Dinner** also.



The Prez Sez

In case you've been on vacation or just haven't noticed, W6UU has been sounding a whole lot better lately and seems to be packing a lot more "punch". That is because the long awaited new repeater has finally been placed into service. The dream became a reality on Sunday, September 23rd. Our heroes (the Repeater Committee) endured many long nights in the shop and a terrifying weekend (lightning struck all over the area) to finally bring it to life. And does it sound good? I raised it from Highway 92 near San Mateo!

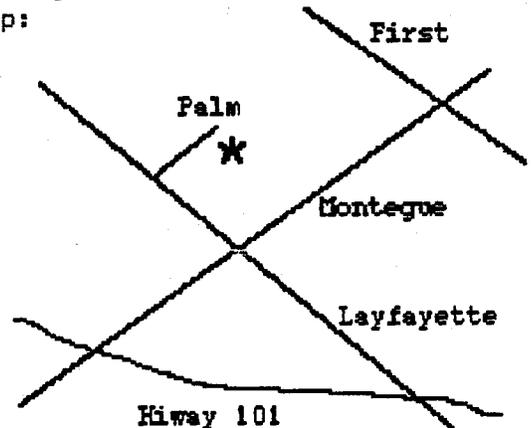
Speaking on behalf of SCCARA, I want to offer the Repeater Committee my sincere appreciation and to personally thank you all for your hard work and sacrifice. Please accept our warmest congratulations for a job well done!

The new repeater should make talk in a breeze for PACIFICON '90. Larry, KB6HRN is in charge of that operation and, if you would like to be involved, just give him a call on W6UU. There is a whole host of other opportunities to take part in. If you're interested in participating in convention

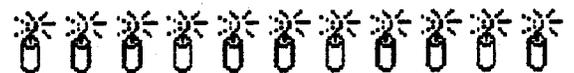
NEXT MEETING

Date: Monday 10/08/90
Time: 1930- 2200 approx.
Place: Agnews Facility. Located on

 Palm Avenue just a bit East
of the intersection of
Montegue and Lafayette.
Map:



Last chance to get in on the planning for Pacificon.



Lets see a good turnout at the meeting.

operations, please contact Herb, KB6ABG. The dates for PACIFICON '90 are October 12-14. Hope to see you there.

SCCARA's Annual Picnic is still on for October 28th at Congress Springs. This has always been a fun time and a chance to get together with friends in the great outdoors. For additional information on where,

when and what to bring look for details in this issue of the SCCARAGRAM.

The Nominating Committee for 1990 has been formed and consists of;

Bob Forster, N6PCQ (Chmn)
Joe Quirantes, WA6DXF
Ed Rawlinson, WD6CHD.

If you would like to nominate a candidate either to run for an office or to run for one of the three seats on the Board of Directors, please contact one of the above committee members. Also, don't be shy... if you would like to take a more active part in SCCARA, why not toss your own hat into the ring? The list needs to be completed before our November meeting, when the voting takes place.

Our October meeting will focus on the convention and other matters of importance. I hope to see you there.

73, de George, WA6O.

TREASURER'S REPORT
by Kathy Getsla, KB6ICQ

Not much to report on the stocks. AT&T is the only one left to pay us and that should be soon. I sent the request to them to liquidate our account, so we are simply waiting for them to send us the check.

SCCARA has two fun activities coming up in October. Of course, you all know about Pacificon '90 on Oct 12, 13 & 14. The other is a picnic planned for Sunday, October 28. See the article elsewhere in this issue for

details and directions.

Herb KB6ABG has been trying to contact all the members for assignments at Pacificon, so if you haven't heard from him or signed up yet, do him a favor and call him (408-226-2919). He has probably tried to reach you and either the roster has the wrong phone number or you weren't home when he called. All those who have worked at the past conventions agree that it was one of the most fun assignments they have had. It is a great way to meet so many hams, especially those who you have worked, but never laid eyes on.

Well that's all for now & hope to see you at the convention and picnic.

REPEATER COMMITTEE REPORT
9/15/90 de WA6VJY

There have been many people involved with fund-raising for the SCCARA repeater fund. Last month the people involved were: Al N6XME, JD K6YKG (and his son), Frank AA6LL, Jim WE6V, Joe N6PCR, Carla WD6X, Le KB6MXH, Scott KB6UQQ, Adolph WA6CCG, George WA6O, Gary WB6YRU, John K6EJF. Bill Hawkins deserves a special thank you for his generosity. I am sure there have been others I cannot think of at this time. Please be assured your contributions of both time and effort are appreciated. Without your help, the repeater committee would have had nothing to work with to improve the club repeater system. THANK YOU!

As of this writing, work on the new club repeater is progressing well. The new controller has been put into a rack-mountable enclosure with all wiring coming out to connectors. The radio hardware and power supply are in the rack and interconnection between all the units is going well. We plan to remove the 2 meter duplexer from the hospital next Tuesday the 18th. and take it to the shop for checkout and alignment.

After integration and testing with the rest of the repeater, it will all be installed at the new (temporary) repeater site. The Hustler G6-144 the club owns will be the antenna we will be using for now. Trish has obtained a

firm commitment from the city to allow our repeater equipment to be installed in a city radio vault near Alum Rock Park. This will be done after Motorola has finished with the radio system installation they are currently involved with.

I will be adding more to this column just before press time for the October SCCARA-Gram with late a update on how the work has been progressing. Hopefully by then users of the 2meter repeater will have noticed a significant improvement in the system and its coverage.

9/20/90

Progress report: Wally KA6YMD, Keith KN6K, Trish WA6UBE, and I took down the 2 meter repeater Tuesday. We then reconfigured the 440 repeater as a stand-alone repeater. It is capable of being controlled either over the air, or via phone line. PL is still required for access, but this does not mean that the 440 repeater is "closed".

The duplexer cavity set for the 2meter repeater was removed to the shop where Trish works to be tested and retuned as required. It was connected to the repeater with a mag-mount antenna sitting on the repeater cabinet. Power was applied and the system came alive! It functions well in the shop, but as we all know, the "real world" could be another story. This weekend we will be moving the repeater from the shop to the site. There, it will be installed and tested once again, then placed into service.

9/23/90

Saturday was an interesting day. Trish and I put up the antenna without much difficulty. We installed some very heavy wire for grounding the antenna and a lightning arrestor in the antenna feedline. We did notice some dark clouds over Mt. Hamilton, but didn't think too much of them at the time. Then came moving in all the repeater hardware: the radio, power supply, duplexers, cables, and the test equipment. No problem yet. We were able (with a lot of help from Bob KB6QHD and Keith KN6K) to get the

duplexers installed and cabled.

About that time Murphy showed himself. Thunder, lightning, and rain made any more work almost impossible. A lightning strike about 1000 feet away knocked out power, which convinced us to quit for the day. The storm also demonstrated to us that the precautions we designed into the system are a GOOD idea! One of the tasks yet to be done is to install an emergency power system for the repeater. A deep-cycle RV type battery rated at 105 Amp-hours and a charger which is designed for the battery have been purchased. In the weeks ahead, we will be connecting the battery into the system. More to follow after today's efforts.

9/23/90 (later the same day)

Well! The 2 meter repeater is in its cabinet, set up and running essentially the same as before. The phone patch, autodial, S-meter, 2meter/440 linking, and other functions it is capable of will be enabled in the months ahead.

Basic repeater receiver sensitivity is around .5uV for 12dB SINAD and the transmitter is putting out around 20 watts or so to the antenna. Already, on-the-air tests indicate that coverage is very noticeably improved. Hand-held coverage from my easy chair, where before, I had to use a base station with much higher power from the same location. I think that coverage into the Almaden valley to the south and Fremont/Milpitas to the north might be somewhat reduced. This is due to being closer to the hills. I don't think there will be anything we can do about that short of moving back to the original location (something to be avoided in my opinion).

9/27/90

After a few days of listening to the repeater at its new location, I'm sure that most of you who use it have noticed how well the machine is working now. There is an annoying intermittent in the audio circuits going to the transmitter. The audio level sometimes jumps up for a short while. An

extender board for the repeater has been ordered, but we don't have it yet to work on the problem.

The net last Monday the 24th went well indeed! Over 20 people checked in and only one or two had any trouble at all checking in. Coverage ranges from the IBM area south to Menlo Park to the northwest to Milpitas to the north.

Thanks again to all who contributed to raising the funds necessary to allow us to upgrade our repeater!

73, Stan WA6VJY

Sick Bay

Bob Keller KB6OHO is recovering from an operation to repair a detached cornea. He said that he woke up one morning and noted that his vision was not right in one eye. Per Bob, the operation went well. His eye is still quite swollen and he needs to take great care over the next few weeks. Please keep Bob in your thoughts.

Gwen Steiner (Lou WA6QYS wife) is temporarily on the disabled list with a bad back. Although not a ham herself, Gwen is quite involved in the ham community. Gwen, here's hoping you have a speedy recovery.

CONGRATULATIONS & WELCOME by Kathy KB6ICQ

Only have one new member to welcome, but JD's class is getting full again so we may have more soon. Our newest member is **Uriel "Wendi" Winfree, KC6MYH.**

Just one upgrade to report also this month. **Jim Vickonoff, N6XGW,** sent a note that he has upgraded from tech to general. He finished moving to a new house and said he hopes to be more active in the club now.

If you have upgraded, please don't forget to let me know so I can include your accomplishment in this column.

Hi there Radio Fans!!!

Well here it is October already. Pacificon will be here in 12 days, Friday, Saturday, and Sunday, 12,13,14 October 1990. We're going to need some volunteers to help SCCARA put on the Convention. Volunteers work two hour shifts at the Exhibit Hall, the Registration Desk, the Forum Rooms, the Hospitality Suite, and a few more volunteers as "floaters." No one works hard, except for the Registrars: they have to ask for money and issue the appropriate badges, prize tickets etc. Other volunteers will examine Pacificon identification of the attendees at the door to their assignment, perhaps even introduce the speaker, and enjoy the lecture.



I'll be telephoning in a few days to set up a tentative schedule. Final calls will be made early in October. If you have a special time, or task you desire, let me know when I call. I'll try my best to keep everyone happy.

73 de Herb KB6ABG
This is a repeat of Herbs September message but it still applies...EDITOR

HERB'S COLUMN
de Herb, KB6ABG

We need an Elmer or two. One of our members is physically unable to adjust his SSB rig and antenna. Name is Eric Carlson, KK6DA and telephone is (408) 243-6796. I'm sure there are some of you out there who can assist Eric. Thanks a lot!

Picnic Planned

Come unwind after the convention and enjoy SCCARA's picnic on Sunday, October 28 at the Congress Springs Landscape Maintenance Yard just outside of Saratoga.

The gate will be unlocked by 1:00 PM and coals will be ready for cooking

about 2:00. We plan to sit down to eat about 2:30.

SCCARA will provide coffee and soft drinks and of course the charcoal for cooking. You need to bring your own plates and utensils. You also need to bring what ever meat you want to BBQ for yourself and a pot-luck dish. Portions of your pot-luck dish should be figured on a couple bringing a dish with 8 servings. Your type of pot-luck dish is determined by the first letter of your last name.

- A - G SALAD (green, potato, carrot, deviled eggs, fruit, etc.)
- H - M VEGETABLE (beans, corn, rice or potato dish, etc)
- N - O BREAD & SPREAD (Buttered french bread in foil, rolls & butter, etc)
- P - Z DESSERT (cake, pie, fruit, cookies, etc)

Don't forget to bring a serving utensil for your pot-luck contribution.

Besides a BBQ and picnic area, Ed, WD6CHD said he will bring horse shoes for the horse shoe pits and Lou WA6QYS has a volley ball and net for the volley ball court. There is also a dirt road up to a small pond with a little view, but those who want to take a little more serious hike farther up the road will be rewarded with a much better view. Of course those who want to relax can always stick around the picnic site and catch up on club news (and gossip??).

Please see the maps for detailed directions (if you pass the sign to Paul Masson you've gone too far) and as always, talk in will be on the repeater (can not promise that there will be someone listening to the 440 side) and of the repeater output of 146.385 simplex when close. Just a caution about the parking. There are only 25 spaces, so if you can carpool, it would be appreciated.

FIELD DAY 91

Field Day is only 8 months away. Planning is already under way. A number of questions were raised at the last meeting:

1. Location: Mount Madonna VS Santa Clara Valley

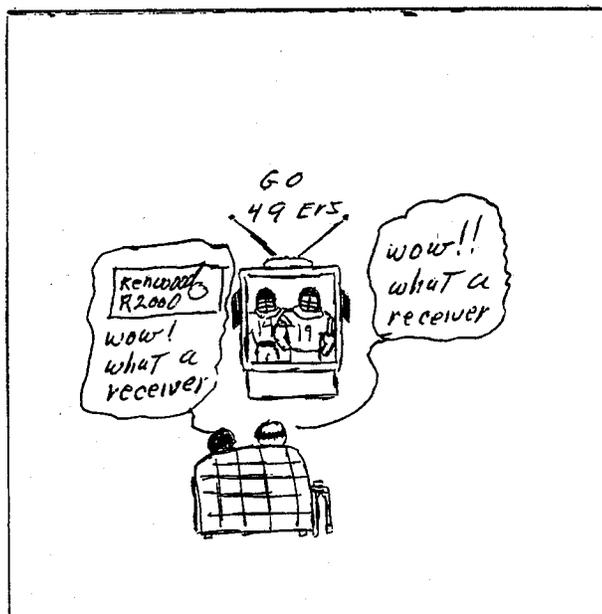
2. Logging: Computer VS manual

3. Entry Class Designation: 2A VS 3A, 4A ... etc. We're talking about the number of station in simultaneous operation.

4. Station Format: Designated phone and designated CW stations VS designation by band. (ie 40+15 meter station, 20+10 meter station and 80 meter station with the mode, CW or phone changeable at the discretion of the operator. (Time increments per mode/ band in compliance with the rules)

5. Degree of Competitiveness: Some of the questions raised are inter-related so they have to be addressed with that in mind. The old adage comes to mind. The club is only as good as the degree of membership involvement. Lets hear from you. Do you have an idea that would enhance Field Day Operations. Your input would be greatly appreciated. Get your ideas to me or call the SCCARA hot line with your suggestions.

de WA6QYS Lou



Holiday Reservation Form

Monday December 10, 1990

Time 7:00PM

AT

Le Baron Hotel
1350 N> First Street
San Jose, Ca. 95112

Menu

Le Baron Salad
London Broil with Anna Potatoes
or
Filet of Sole with Rice
Fresh seasonal Vegetables
Rolls and Butter
Carrot Cake for Dessert
Coffee, Tea, Decaf

Cost is \$20 per person

I have \$_____ for _____ Dinners

_____ Each London Broil.

_____ Each Filet of Sole

Mail To:

Sccara Holiday Dinner
% Don Village K6PBQ
3290 Woody Lane
San Jose, Ca. 95132

"A Real Ham"

By Doc Gmelin W6ZRJ

Part 2: "No Plate Transformer?"

In the last issue I discussed the special "language of ham radio" and also the importance of plate and modulation transformers in an earlier day. At the end of the article I introduced our readers to Jim Clemens, W6WNM. I said that Jim was a "real" ham.

Actually most of the hams that I met when I started out in ham radio nearly 45 years ago were real hams, ready to help the newcomers get started. Jim was more enthusiastic than many hams, a good example of a "real ham".

I first met Jim on the air in the spring of 1946 when I went to visit W6QLP, a friend of mine. In those days

most of the SCCARA gang were on 10 meter phone and there was almost always an evening roundtable. At the time, Jim was W20FK/6 (W20FK fixed portable six). Since the FCC was slow in catching up with all of the license modifications from people moving around during the War, it was a while before he got the call W6WNM.

Jim was the projectionist at the Hester Theater (now called the Towne) located on the Alameda right across from the grammar school I attended in the 1930s. In fact, the Hester Theater was the neighborhood theater where I lived and we all went to the "show" about once a week at least.

When I found out that Jim was the projectionist and lived in an apartment in the same building as the theater, a lot of things made sense. I could remember the faint sounds of telegraph code coming from somewhere in the theater near the projection booth.

Now I knew where that sound came from and what it meant.

The years 1946, 47 and 48 were peak years of the sunspot cycle and everyone was working the world on ten meters. As I recall, Jim had a half KW on 10 meters, and certainly did better than I did with my 25 watt 6L6 rig, Heizing modulated.

A word or two about Heizing modulation.

The best AM came from push-pull class B modulators, which required a more expensive centertapped transformer. It used two tubes and could operate class B with each tube generating one half of the full sine wave signal necessary.

With Heizing modulation you used a single ended tube and a simple audio transformer capacitively coupled to a choke in the plate line of the final amplifier. The circuit had to operate Class A which is much less efficient. In fact, you could only get about 75 or 80 percent modulation with Heizing rather than the 100 percent possible

with push-pull class B.

Since there was a choke in the plate lead of the final, when you modulated, the power output tended to drop, especially if you had a poorly regulated plate supply as I did.

The louder you shouted into the microphone the higher the percentage of modulation but the power output dropped at the same time. That was a real no-win situation. I always thought that it was my low power that kept me from making as many contacts as Jim and some of the rest of the local gang. Jim inadvertently proved me wrong by deciding to try his luck on 10 meter phone using a 3 watt class B modulated rig using 6V6 tubes. He proceeded to make S-9 plus contacts with ZLs and VKs.

In fact Jim pretty much worked anything else he wanted to with his little "peanut whistle" while I was having trouble getting out at all.

Of course Jim had a good ten meter beam and I had a low half wave antenna and Heizing modulation. But then I remember that Jim did better than I did even after I finally got my 813 half KW rig operating. I still had the lousy antenna.

Well, Jim was helpful with us youngsters just getting on the air and gave us a lot of good tips on how to set up our stations and how to operate for best results.

But I think that the best story that proved that Jim was a "real ham" was the time W6YQN and I visited one of the gang in Santa Clara. Jim happened to be visiting at the same time. We were just sitting around chatting and our host XYL was reading the paper.

The big news of the day was Princess Elizabeth's wedding to Prince Phillip and our host XYL broke into our ham talk to report on the many expensive gifts of jewelry and other finery Elizabeth had received as wedding presents.

There was a short silence as we all contemplated all of this vast wealth and then Jim said,

"Ya, but did she get anything good?"

We all turned and looked at him and then he continued,

"Well, did she get a new plate transformer?"

There was dead silence for a minute again and then we all burst out laughing

Jim was "real ham".

He knew what the really important things in life were about.

Over the years we would hear Jim on the air from time to time. Then we learned that his XYL was doing poorly and had become an invalid. Jim dutifully took care of her through all those trying years. He was with her as much as he could be and still hold down a job. He didn't have much time for ham radio so we didn't hear him much on the air after that.

Jim gave up his job as projectionist and went to work at Orchard Supply Hardware, the original store on San Carlos Street, the only one around when he started with them. Sometimes we saw Jim when we went into OSH to buy "parts" for the houses we had now acquired.

Later on we heard that his XYL had died. Then we heard just a few years back that Jim had taken seriously ill and was in a rest home in Modesto. I heard that some of the local gang had gotten over to visit him. I never did, but I should have. Jim helped me out a lot when I first got on 10 meters.

Then a couple of years ago we learned that Jim had died.

I hope that Jim is happily on the air wherever he is. I'm sure he now has a good supply of the best plate and modulation transformers. Unlike many of the hams today who have taken his place I'm sure he knows what's inside his "RIG."

If he has a radio, it's for listening to the "broadcast band." I'm sure he is using a really fine rig. Probably it's even home brew.

Thanks Doc for the most interesting two parter. Say Doc... Do you have a "pen name"?? EDITOR

WHATS IN A NAME?
The origin of Yaesu-

Of the "big three" Japanese ham equipment manufacturers-Kenwood, Icom and Yaesu- the name Yaesu seems to be the most Japanese. However there is an interesting story attached to it.

In the year 1600 A. D. Tokugawa Leaysu was consolidating his power as Shogun, or military ruler of all Japan, overshadowing the Emperor. A typhoon wrecked a ship off the coast of Kyushu, the southernmost of the main islands of the Japanese Archipelago. Washed ashore were two sailors, glad to escape with their lives, if nothing else. One was English, William Adams. The other was Dutch, Jan Joosten (pronounced YAHN YOSHTEN). The Shogun, desiring to isolate his nation from foreign influence, made the two his advisors on the Western world. They were given villas in Edo (now Tokyo), the new capital in the Shoguns scheme William Adams was later used as the historical model for the hero in James Micheners opus, SHOGUN. The closest that the Japanese could come to pronouncing "Yahn Yosten" was "Yayosu", later corrupted to "Yaesu".

The name appears on more that radios in Japan. In the general vicinity of the site of Joostens villa in central Tokyo is the Yaesu Underground Arcade, a maze of shops, restuarants, etc. adjoining the main Tokyo subway and Railway station. Down the street a few blocks is the Yaesu Fujiya Hotel.

Incidentally, almost all U.S. hams mispronounce the name as "YAYSOO" which sounds like the German "Jesu" or Jesus.

(Yaesu, Joy of hams desiring?" to paraphrase Johann Sebastian Bach). As my Japanese Sensei (teacher) would say, "Yaysoo'? lie, chigaimasu! Tadashii hatsuon wa YahAce' desu yo."

Translation- "Yaysoo'? No, it's different! The correct pronunciation is "YahAce". Nuff said.

73 Bill,

AA6PA

Interesting article Bill. Hope I didn't hack it up too much in the retype.

From: WA6FWI @ WB6YMH.#SOCAL.CA

A couple of years ago I took over as the Service Manager for Diawa Electronics USA, located in , Calif. For the period of time I spent as the Service Manager, and subsequently as Service Advisor (on a part time basis), a few things stand out in my mind to remind me of how much "fun" the job was. Typically were the phone calls from someone who just blew up a piece of equipment. We were at fault, Japan is out to sabotage the US, and so on. So I would go down the standard list of questions: 1. What happened? 2. Do you have the manual? 3. Did you read it? 4. Did you look at the specifications? 5. Did you follow the installation instructions? Occasionally I would receive a phone call from someone having a problem with the equipment, and occasionally we would receive a piece of gear that failed. the "failures" were determined to be operator faults. most of the time ^ There were a variety or reasons given, but usually the bottom line was the failure to read and understand the operators/installation/specifications of the unit in question. Face it people, if you opt out not to buy all 4 motors for your antenna rotor running stacked 6 element 20 meter beams, you trash the one motor that came with it. And usually damage the housing as well. RF amplifier modules come clearly marked INPUT/OUTPUT for a reason. Antenna tuner manuals state "Initial tune up should be done at REDUCED power". Keyer specifi- cations usually state a maximum voltage/current for the output transistor (or relay). Admittedly most manuals don't come with warning such as "CAUTION, Do not expect your Handy to continue working after you get mad and throw it against the living room wall". (Although Motorola kind of implies that thiers will)

The point of this message is to remind you that most equipment comes with a manual (poorly written sometimes) with installation instructions (obscure on

FCC AMATEUR RADIO LICENSE CLASS

Classes are on-going and open to Hams and non-hams alike. Theory info will also be discussed as the need arises.

FREE



**BEGINNER (5 WPM),
GENERAL (13 WPM),
EXTRA CLASS (20 WPM)**

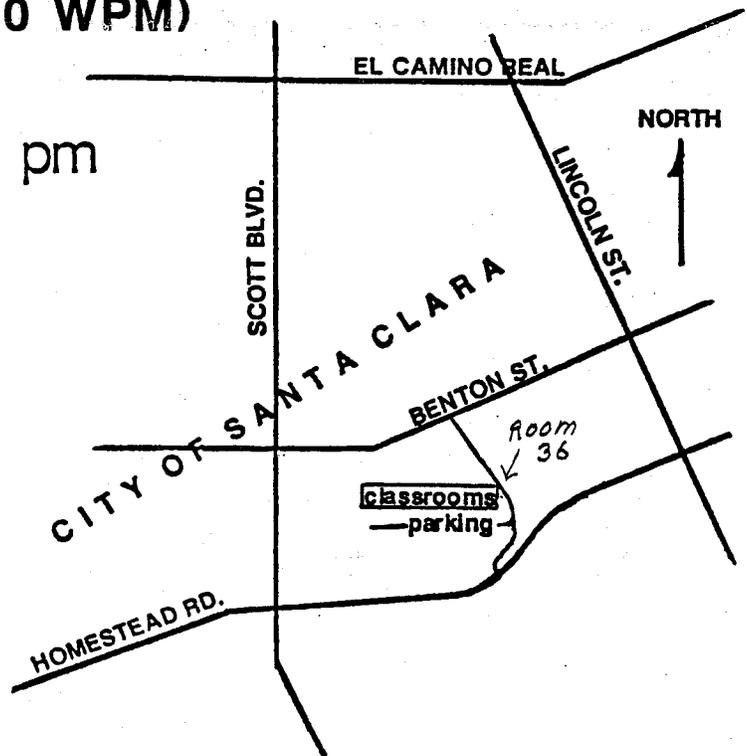
Tuesday Evenings 6:30 pm

ADULT EDUCATION CENTER

1840 Benton St., Santa Clara

For information, call:

(408) 971 - 1424



Sponsored by Santa Clara County Amateur Radio Association

PACIFICON 1990 - OCTOBER 12,13,14

The Santa Clara County ARRL convention (Pacificon) is coming up soon, but there's still time to pre-register until October 10. The technical sessions (preliminary schedule in the next column) are the main event, but there are a number of other activities going on during the weekend.

The NASA tour sold out early, maybe next year. The Shopper's Safari and Gaslighter Theater were still available as this is written.

The exhibit area is always worth while; in the past there have usually been factory representatives of the major radio manufacturers and most of the local distributors have booths with show special prices. This year there will be a silent auction on Saturday from 10:00 till 14:00. Any registered attendee may buy or sell merchandise at this time.

There will be license testing sessions on both Saturday and Sunday starting at 08:30.

The Fox Hunt (hidden transmitter) will be similar to last year in that no fancy direction finding equipment will be needed or even allowed. The hunt is to be restricted to what you can do with just a 2 meter HT and your body. No previous experience is necessary and there will be someone at the start point to demonstrate the techniques.

Tentative session Listings: (Subject to change)

- Friday October 12
 1800 Emergency Session
 1900 Director's Opening Remarks
- Saturday October 13
 09:00 Introduction to Packet
 Computerized Antenna modeling
 10:00 Technical packet
 Commercial limited space antennas
 11:00 ARRL Section organization
 ATV
 12:00 Youth Forum
 Close to earth antennas
 13:00 Emergency Communications forum
 contest forum
 14:00 ARRL Monitoring forum
 DX forum
 15:00 FCC Monitoring program
 VHF and up
 16:00 ARRL forum
 19:00 Social mixer
 20:00 Banquet
- Sunday October 14
 08:00 Fox hunt preliminaries
 09:00 Fox hunt (HT's ONLY)
 The technical aspects of station operation
 VLF operations, whistlers, etc.
 10:00 Writing for ham magazine publication
 Advanced Packet
 11:00 Club Newsletter forum
 Oscar forum
 12:00 Why not work CW?
 Oscar forum continued
 13:00 Prize drawing
 13:30 Convention closes

--AA6BT

 PACIFICON 90 - 481 FENLEY AVE., SAN JOSE, CA 95117 TEL (408) 243-8349

NAME _____ CALL (S) _____
 ADDRESS _____ APT _____
 CITY/STATE/ZIP _____

_____ ea PRE-REGISTRATIONS @ 12.00/ea (NOTE: \$15.00 AFTER 10/10)	\$ _____ .00
_____ ea YOUTH REGISTRATIONS (NOTE: YOUTH = 18 YEARS OR UNDER)	FREE
_____ ea FILET OF SOLE BANQUETS @ \$22.00/EA	\$ _____ .00
_____ ea LONDON BROIL BANQUETS @ \$22.00/EA	\$ _____ .00
_____ ea SPOUSE SHOPPING TRIPS @ \$19.00/EA	\$ _____ .00
_____ ea NASA TOURS @ \$9.00 BUS FARE	\$ _____ .00
_____ ea GASLIGHTER THEATER TICKETS @10.00/EA	\$ _____ .00

TOTAL ENCLOSED \$ _____ .00

=====

LOCATION: LE BARON HOTEL 1350 N. FIRST ST., SAN JOSE, CA.

ROOM RATES: \$57.00/NIGHT 1 OR 2 OCCUPANTS -- \$10.00/EA FOR UP TO 2 ADDITIONAL OCCUPANTS
 CALL: INSIDE CA 800-662-9896 OUTSIDE CA 800-538-6818 ASK FOR CONVENTION SPECIAL

Many Thanks to Bob Underwood AA6BT who made up this nice page for the EMARC RELAY monthly newsletter.

SANTA CLARA COUNTY AMATEUR RADIO ASSOCIATION

.....

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Shorty Freitas	AE6Z
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REPEATER INFO

Call	W6UU
2 Meter	146.385+
440	442.425+ (PL) 107.2

Nets are held every Monday evening at 1930 sharp,
except for the second Monday which is our meeting
night.

STATION TRUSTEE

Jean "Doc" Gmelin W6ZRJ

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SCCARA HOTLINE 408-249-6909

ARRL VEC HOTLINE 408-984-8353

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