

SCCARAGRAM

Santa Clara County Amateur Radio Assn. (SCCARA)
Volume 7 Number 6

Organized in 1921
June 1990



**Congratulations
to George
WA6O and his
Fiancee Sylvia
who plan to be
married very soon.**

GOOD & WELFARE
de Kathy KB6ICQ

First, lets all join in and say BEST WISHES to our Prez George WA6O. He and his fiancee Sylvia are tying the knot this month. Even though they have a VERY busy month planned (the wedding, moving, hosting out-of-town family, a honeymoon in there sometime), they have plans to attend Field Day. (George, you are getting one of the most understanding XYL's there is.)

Also I heard on the air that Sally N6QHP has mended well enough that she is back to work and already planning some FUN time off. We are really glad to hear your recovery sped along so fast, Sally.

WELCOME & CONGRATS
de Kathy KB6ICQ

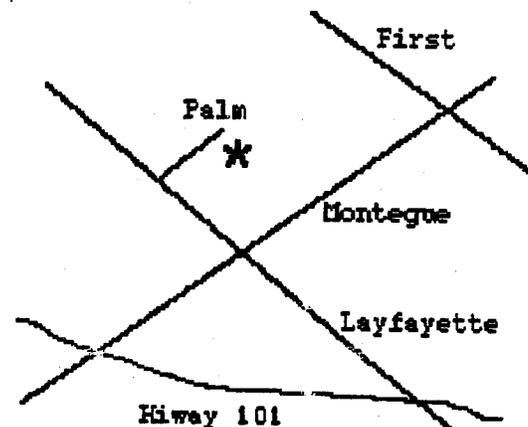
Well JD and his cohorts at SCCARA's license class have sent us another new member. His name is Gil Thomas and he has passed his novice test. He is in that "awful/wonderful" waiting period to receive his ticket in the mail.

We also welcome Carlos Puig KJ6ST. He just moved to this area and found out about SCCARA in Worldradio. He

NEXT MEETING

Date: Monday 06/11/90
Time: 1930- 2200 approx.
Place: Agnews Facility. Located on Palm Avenue just a bit East of the intersection of Montegue and Lafayette.

Map:



Field day Meeting

Plenty of interesting FIELD DAY articles in this newsletter and our next meeting promises to be packed with interesting topics plus our "game plan" for the weekend.

Plan to attend this meeting. It is perhaps the most one of the year.

And why not volunteer. Your assistance could make this the best Field Day ever.

"tried" out the club last meeting and we must have passed the test, because I got his membership dues in the mail two days later. Welcome to both Gil and Carlos. On the upgrade side Ralph Silveira passed his advanced test but will be keeping his old call of N6UNE. Alonzo Dallas has upgraded to tech and his new call is N6XME. Also upgrading to tech is Ben Wilson who just received his novice call of KC6KNI. And Travis Wise KB8FOU has passed his general exam. Robert Chortek has received his new extra call of AA6VB. Masatake Miura's new call is KK6JL. Congrats to you all.

Updates to the roster include a correction to Eric Carlson's call. The correct call is KK6DA, not KK6DA. Past Prez Dan Dietz WM6M is in the process of moving. His new address is 370 Braemoor Drive in Santa Cruz. He said the phone company told his his new phone number is 408-423-9424, but he hasn't had a chance to try it out yet to be sure.

TREASURER'S COLUMN FOR JUNE 1990
OR
ARE WE READY FOR FIELD DAY 1990 ??
de Kathy KB6ICQ

Well the stocks are still going along fine. Got 2 more companies certificates turned in for liquidation and have received checks from 3 more we sent in last month. It feel like I'm on the downhill stretch.

That's all the Treasurer business for this month, but I do want to let you know that Lou WA6QYS has been very busy as Field Day Coordinator for this year. We gave him the title of Coordinator and not Chairperson so he wouldn't feel compelled to do all the work.

Well, he hasn't done all the work, but he has done a good part of it. He arranged for Ed WD6CHD to bring the trailer to our driveway where it has been for the last month.

Then Lou and his side kicks Stan WA6VJY and Frank AA6LL went over the trailer and antennas from stem to stern. They cleaned up and did maintenance on everything from the

rotor on the tower to the wheel bearings in the wheels. They also checked out both our CW and SSB antennas to make sure they had good connections and low SWR. While they had the CW antenna up, Lou said "You can't put up an antenna without making at least one contact", so he tuned around and made contact with Carlos CX4PA in Uruguay. I understand they did the same with the SSB antenna also.

We all need to give them a round of applause for all their hard work.

Well that's all for now, but be sure to attend the June meeting where all the final plans for Field Day will be made and don't forget to make you food reservations with Herb KB6ABG.

Be sure to see the other articles for more information about Field Day, where, when and what's to eat!!

REPEATER COMMITTEE REPORT
de WA6VJY 5/30/90

Good things to report! The facilities engineer at Alexian Brother's Hospital has connected the repeater to their emergency power circuit. During a power outage at the hospital, we will still be on the air.

We will be installing the new antenna and other hardware (radio, controller, etc.) in the very near future. Over the next few weeks changes will be made. We hope to make as painless a transition to the new hardware as possible for the users. For a while after the installation of the new hardware, features will remain as they are now. As control operators get used to the additional features, more autodial and autopatch functions will be enabled.

One useful feature I am going to install is the S-meter function. It will take a little design work yet for the proper interface to the receiver, but shouldn't be too difficult.

One of the questions on the member questionnaire last year was whether members would be willing to pay a small amount annually for availability of a phone patch. A dollar a month or so for this would make the phone patch

self-supporting and seems a fair amount for such a feature.

FIELD DAY is this month! We will be operating talk-in from the site at Mt. Madonna on 146.430 simplex, along with monitoring the repeater. IF we can find the right spot, we should be able to work the repeater from there without too much difficulty.

Come out and operate one of the stations..CW, SSB, or the Novice station. You might enjoy it! I plan on using the talk-in station to get some packet points for us sometime during the 24 hour operating period.

Not much else to report this month. I look forward to seeing all of you at the Field Day operation. Herb's cooking is SUPERB and something you should NOT miss! Look elsewhere in this SCCARA- Gram for more information on operating, the Saturday lunch, and a map on how to get to the park.

73, Stan WA6VJY

And Now On To Field Day DE WA6QYS

Field Day is just around the corner. Be sure you have the dates, June 23 and 24, marked on your calendar.

We are counting on your participation to make this the best Field Day ever. We are back to the mountain top location of Mount Madonna. So watch the QSOs add up.

The CW station will be set up in CHDs trailer with operations coordinated by



Jim WE6V and his Lieutenants.

The phone station will be housed in LCJs RV. Cap'n Mike, KB6LCJ and his lieutenants will see that everything runs smoothly with the phone efforts

The Novice station will be spared from the harsh mountain

top elements in the Red Cross van. Veteran Cap'n Larry, KB6HRN, will be Elmer to the Novice/Tech station. Publicity/ press release will be taken

care of by Mr. PIO himself Randy KK6BO. Randy is the ARRL SANTA CLARA VALLEY SECTION-- PUBLIC INFORMATION OFFICER. Satellite contact will be given a shot by Doug WN6U.

Field Day message to our Section Manager will be sent by Stan WA6VJY via Packet.

The tower trailer and the two tri-band beams have been given much needed attention in the past weeks. They are now Field day ready.

Herb KB6ABG is busily planning the Field Day meals, guaranteed to be unforgettable.

As you see, Field Day planning is well under way. So don't miss out. Is your expertise in stringing dipoles, assembling beams and raising towers? Do you have a trick on driving ground rods painlessly?

This is a club effort and we need you. Every Ham who comes will have an opportunity to operate. See you at the June meeting and above all FIELD DAY. Bring a friend. Enjoy..

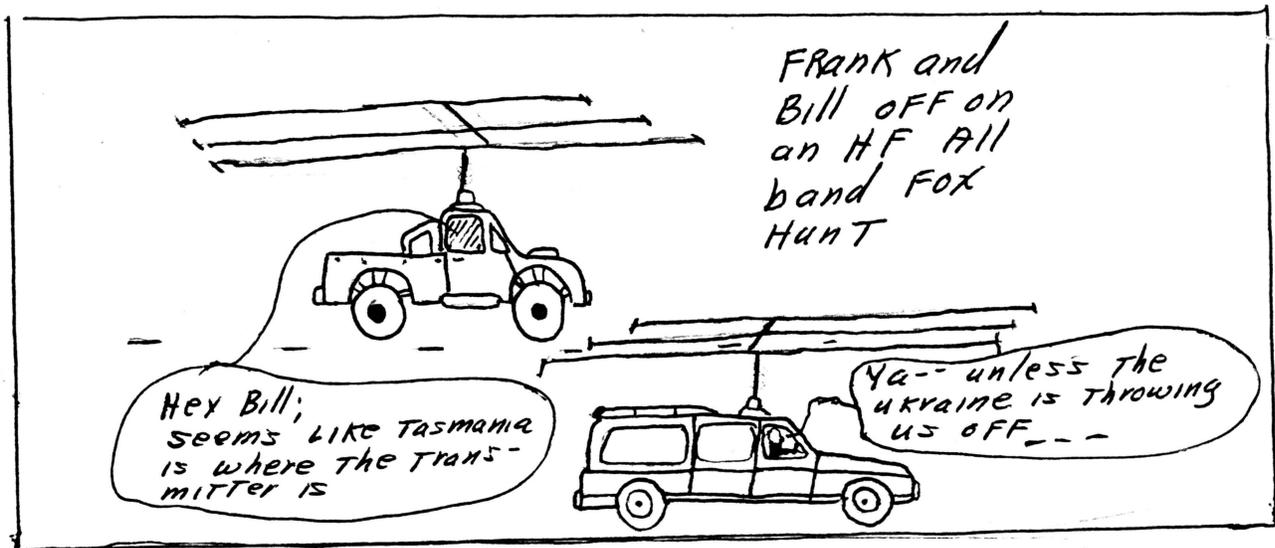
WHAT DO I NEED TO BRING TO FIELD DAY ??
de Kathy KB6ICQ

The most important things to bring to Field Day are you, your ham license, and a smile for all the good fun to be had. After you have packed those items, it is a good idea to bring some \$ (see "How Much Will Field Day Cost ??" and "How Do I Get in on the Good Eats for Field Day"), directions (see "How Do I Find Field Day??"), and the family (if they say "Field Day is boring" see "Is There Anything Else to do Besides Field Day ??").

Other important things are your camping gear to spend the night and more food if you think the beg meal by Herb won't keep you full.

Also be sure to bring WARM clothing as it can be quite cool (and sometimes downright cold in the past). However don't let the weather keep you home as you will have lots of hard work and the warm hearts of your fellow hams to keep you going.

Of course we may have summer like weather to greet us, so don't forget



the appropriate clothing, sunscreen and hat. I (and the rest of those hearty Field Day ops) hope to see you there!!

HOW MUCH WILL FIELD DAY COST??
de Kathy KB6ICQ

The most important cost to you to attend Field Day is the \$10.00 cost for Saturday's BBQ and Sunday's breakfast. Be sure to see the article about the great food Herb KB6ABG and his XYL Cynthia have planned for us. Be sure to make your reservations now for a great feast.

The only other cost to you is the cost of using the park. If you are spending the night, you need to identify yourself at the gate as part of the group using the "Manzanita Group Camp Site". They will not collect the money from you then, but you will pay the \$8 overnight use fee to the club. The club will then pay the park your fee. This is only for "overnighters" and NOT for those who are only spending the day.

If you want to camp overnight, but don't like the "noise" of busy Field Day stations, you can stay in the individual campsites. The fee is \$8/night and \$4 for a second vehicle in the same campsite. These are located in various areas of the park, but only the Tanoak Campground is within walking distance from our site. (See the map elsewhere in the SCCARAGRAM.) Call the park at 408-842-2341 for more details.

The day use fee is \$3.00 per car. If the driver of the car is 62 or older, he can show his license to the attendant at the gate and he get in for the senior rate of \$0 per car.



If you are only dropping someone off (see the article about other

things to do in the area) and don't plan to leave the car in the park, just tell the attendant at the gate and he will let the car in for a maximum of 15 minutes. You MUST check out with the attendant when you leave so SCCARA will not get a bad name and can use the park for future Field Days.

If you have any questions, please call me at 408-275-0735. Hope to see all of you there!

HOW DO I FIND FIELD DAY??
de Kathy KB6ICQ

To get to our Field Day site, take Hwy 101 South to the Hecker Pass Highway West (152) and follow the signs through Gilroy and toward the pass.

If you want the "scenic" route, take 17 South to Hwy 1 South and follow the signs toward Watsonville. Take the Hwy 152 exit and follow the signs

through Watsonville.

I have included maps of how to find Mt. Madonna County Park and how to find Manzanita Group Campground.

If you have trouble finding us, we will be monitoring W6UU/R on 146.385+ and 442.425+ (PL 107.2). If you cannot go through the repeater we will also be monitoring 146.43 simplex. (Hint: If possible, use a mag mount antenna for better coverage than your rubber duck. We will be using fairly good antennas, but you may have trouble hearing us with just a duck.)

HOW DO I GET IN ON THE GOOD EATS FOR
FIELD DAY ??
de Herb KB6ABG

Come one, come all! Now is the time to make your reservations. Field Day, 23 June 1990 is rapidly approaching. Because the weather up there can turn cold by 5 or 6 PM, we will be eating earlier this year, about 1 or 2 PM.

Just as last year, we are offering a dinner consisting of steak or chicken, baked potato or baked beans, green beans and salad. Let us know your choices.

Also let us know if you will stay over for breakfast



This year the cost is \$10.00 per person. Any monies left over

will be returned to you on an equal basis, or turned over to the club treasury, as you desire.

Call us with your selection at 226- 2919 at any reasonable time. Leave a message indicating your choices if we don't get a chance to talk to you.

We must have your reservation no later than 6:00 PM on Saturday 16 June. Unlike last year, we will not telephone the membership. If you do not make a

reservation, you are welcome to join us, but you will need to bring your own food and cooking equipment.

Thank you and hearty appetite!
de Herb KB6ABG and his XYL Cynthia

IS THERE ANYTHING ELSE TO DO BESIDES
FIELD DAY ??
de Kathy KB6ICQ

If you would like to attend Field Day, but your family says it is BORING, we have scouted around and found some other things going on in the Watsonville/Santa Cruz area. Besides the attractions there every day like the Boardwalk in Santa Cruz, there are 4 events going on that same weekend.

Two are in Santa Cruz. They are the Japanese Cultural Festival on June 23. For more info call 408-475-2115. Also in Santa Cruz on June 23 is the Santa Cruz Strawberry Festival. The number for more info is 408-426-3062.

The other two are in Watsonville. On June 23 there will be a Fats Waller Jazz Festival. I have attended past festivals and for those who enjoy old-time, up-beat music this is a day of great music. For more info call 408-728-3948. Also there is a Watsonville Strawberry Festival going on both June 23 and June 24. The number for more info is 408-663-2115.

OK. There you have all the Field Day info. We even suggested things to do if you don't even like Field Day. EDITOR

CHILDRENS DISCOVERY MUSEUM

Well the Grand Opening has come and gone (by just a few hours). It was really great and our HF trailer antenna really looked and performed well. One of the best times (for me) was when a mounted patrolman came to our booth

with his horse and talked with us. That would have made a picture and a half. We also had several "very interested kids" that sat down and watched Don K6PBQ use his BUG.

I must offer special thanks to the many people that stepped forward and offered their time and expertise. SCCARA members involved were Don K6PBQ, Joe N6PCR, Dave KC6FGW, Dave KC6FGW, Larry KB6HRN, Sean N6XVS, Mike N6XUY, Scott KB6U00, Bob KB6QHD, Lou WA6QYS, Dara N6YJS, Mike KB6LCJ and Bill AA6PA. Bill AA6PA gave us a special treat. He brought a full ATV setup on Saturday. Bill would stand perhaps 30 feet from the booth and take pictures of the kids as they passed by. You should have seen some of the looks. Thanx Bill..

I must also thank Ben KA6SIQ. Ben is very interested in the museum and helped me immensely. I did not see Bens name in our roster so will have to work on that.

I hope to have a photo or two next month for you to peruse.

de Mike KB6LCJ

Subject: SAREX Information And
Operating Hints Keywords: Shuttle
Amateur Radio Experiment on STS-35
Date: 8 May 90 01:14:27 GMT
Organization: KA2QHD PBBS SYSTEM, OCEAN
NJ

SAREX-II is a secondary payload on STS-35, currently scheduled for launch on June ??, 1990. It will be located in the Aft Flight Deck of the Space Shuttle Columbia. Ron Parise, WA4SIR, the Payload Specialist and astronomer on Colum- bia will be the Astronaut ham operator.

SAREX-II-02 is a secondary payload on STS-37, currently scheduled for launch on November 1, 1990. It will be located in the Aft Flight Deck of the Space Shuttle Atlantis. Ken Cameron, KB5AWP, the pilot of Atlantis will be the Astronaut ham operator.

The American Radio Relay League (ARRL) is the customer on the SAREX-II payloads. NASA gave its authorization for SAREX operations for

the following reasons:

To encourage our youth to become excited about science and technology, and

To familiarize large numbers of the general public with manned space flight

NASA's intent in making astronauts available for SAREX operations is to involve the largest possible number of people, particularly youngsters, in Amateur Radio and the US space program.

With amateur radio clubs and hams, our astronauts will speak over amateur frequencies directly with large groups of students, showing teachers, parents and communities how Amateur Radio energizes youngsters about science, technology, and learning.

You can easily become a part of this activity in your local school, as the astronauts will operate the SAREX equipment in the amateur two meter band. You will be able to send and receive messages via packet for periods of about 12 hours daily. The astronauts' work schedules will determine your chances for a voice or television message, but Ron and Ken may have an hour or more each day for these modes. The SAREX payload will consist of a ROBOT packet radio station which will use the call WA4SIR. Also, Ron will be operating 2 meter FM voice when his work schedule permits. Stations wishing to connect to WA4SIR will receive a QSO number which they can use to verify their contact when they send in their QSL card. QSL'ing will be handled by the ARRL. Cards may be sent to the American Radio Relay League, 225 Main Street, Newington, CT, 06111. Please include a s.a.s.e. with your QSL card.

Good Sam Publicity

The Good Sam recreational vehicle organization puts out a monthly magazine called the "HIGHWAYS". The most recent issue (June 90) has two

articles on Ham Radio.

I believe that our club has a fair representation of RV'ers and they will attest to the fact that Ham Radio and RV'ing go together very well.

Are you guilty of this?

This is N6GAB monitoring...

W6GAZ this is WB2LAB. Name here is Joe.

Good after noon (I think it's Moe).
This is Stan and the call is N6GAB.

OK Stan. Just on my way to the store.....

A while later.

Well better sign off, so Nice talking with you Fran and see you later. N6GAB, this is WB2LAB. CUL.

Oh say Jerry, the name is Stan, not Fran and my call is N6GAB. 73..

OK got it Stan. 73 N6 (I think it's GAD), this is WB2LAB.

CUL Jerry. Nice to have met you. WA2LIB from N6GAB. 73...

FAREWELL TO FRED AND SOPHIE

Two well-remembered figures in radio were lost to us on the weekend of May 18 with the deaths of Fred Gillmeister and Sophie K. Heintz. Although he never had a call, as Milo Lacy, W7GUF, and Ron Gordon tell me, Fred took an active part in SCCARA affairs, and it was his tank house on Meridian Avenue which yielded up old records that became part of the club archives. He told Milo about them and Milo picked them up and passed them along to me. In his later years Fred was a mechanical engineer at Varian. Milo tells me Fred was a graduate from UC. In 1929 he helped Milo and Lloyd Saxon, W6EEX, build their transmitters and he made a 7.5 volt filament transformer for Milo. He died in Manteca.

Sophie, W6SH, was the widow of Ralph Heintz, W6RH, one of the greats

in radio, who founded Heintz & Kauffman, which built the gammatron tube. During World War II Ralph designed the engine starter that was used in practically all the airplanes produced in this country, and half the automatic pilots, as one of the principals in Jack-Heintz of Cleveland.

Ralph built the radio equipment for all the major exploration expeditions of the 1920's and '30's, including Adm. Richard E. Byrd's to Antarctica. Sophie used to get up at 4 o'clock every morning to handle traffic from the Byrd party. After World War II the Heintzes settled in Los Gatos, where Ralph built a laboratory equipped with all manner of machines and instruments and did development work for the telephone company. He also designed a stratified charge engine for cars that was practically smogless and would "burn anything." "Including my salad oil," Sophie said. He assigned the patents to Stanford and Honda came out with a similar engine when the patents were about to expire. Ralph also provided Sophie with a first rate ham station from which she kept up friendships all over the world. Ralph died in 1980, blind and unable to benefit from the instrument for eye surgery he invented in concert with a San Jose doctor who performed three eye operations on Sophie. But the Ocutome is helping eye patients around the world. Sophie was 93 when she died at home. She missed Ralph and told me some 10 years ago that she would go willingly. -- Dick Barrett, W6CFK

SCCARA History:

Frank Quement, W6NX, The "Bascom Bandit???" NO WAY .

I've heard rumors that Quement Electronics will not be an exhibitor at the 1990 PACIFICON. If the rumors are true, it will be a first. Quement Electronics, or Quement Radio and TV as it was once called, has been at every San Jose convention we've sponsored. And further, Frank always supported the conventions, and I might add he supported them

generously.

One wonders why Frank became known as "The Bascom Bandit" when throughout his life he so generously supported SCCARA in all of the club's various projects and activities. And besides, the Quement store was located on San Fernando Street in downtown San Jose for a longer period than it was located on Bascom Avenue, way out in the country, but he was never the "San Fernando Bandit."

True, the Quement store was in two different locations on San Fernando during those years. The original store was on the south side of San Fernando between San Pedro and Almaden. The second store was across the street in a larger building.

My first recollection of the store was when I was a high school student during WWII. The store was not very wide, but very deep and there was a long counter on the right hand side as you walked in through the main door. On the left as I recall, there were all kinds of "goodies" to catch the eye. To us "kids" in those days, those were the dream items.

Of course when I first got to know about the Quement store, WWII was still on and there wasn't much available. Tubes were particularly hard to get. Later after the war ended, tubes became available but we college student hams were not rolling in money. But we did get to know Frank when we joined SCCARA in 1946. Quement's Radio Store was one of our main sources of parts after that.

Later Frank started to look for a location for an even bigger store than on the north side of San Fernando Street. He talked about a location on Bascom Avenue, then pretty far out of town. Frank at first thought that the location was so far out in the country he would not get much business.

None of us really knew just how much growth there would be in the Santa Clara Valley. Bascom Avenue is now located close to the center of the metropolitan area.

Through all of those years, Frank supported the club by donating prizes for the club raffles. In fact

the raffles were so successful that in 1948 the club voted to do away with dues and we all got "Life Memberships" by paying a \$2.00 fee. (I still think that technically a lot of us "old timers" are still Life Members.)

How did we raise the money for the club? Well Frank made the donations and the raffles held at each meeting more than paid for the club expenses in those days.

Frank was also active in other activities and went on many of the SCCARA field day efforts throughout the late 40,s and 50,s. He loaned the club equipment and ran the 20 meter phone station himself.

Talk about comfort. I remember when we were one of the first clubs in the area to have TV entertainment the night before FD started

In later years, Frank let us use his Ranch, again "way out in the country", for field day. The land is off Almaden Road at Redmond Road, and it's now houses, in the middle of the Almaden Valley.

And prizes? It would be pretty hard to count up all the prizes Frank donated to our conventions and hamfests. Sure, that may have been good advertising for his business, but I know Frank did most of it out of his love for SCCARA and ham radio. Yes, Frank always gave generously.

The "Bascom Bandit?" No, Frank had a bigger heart than that. We will miss him. Frank always gave generously.

DE DOC W6ZRJ

Well here we are at the end of another SCCARAGRAM. I am amazed at all the activities that our SCCARA members are involved with. This weekend alone there was a bike race, a horse race and the grand opening of the Childrens Discovery Museum.

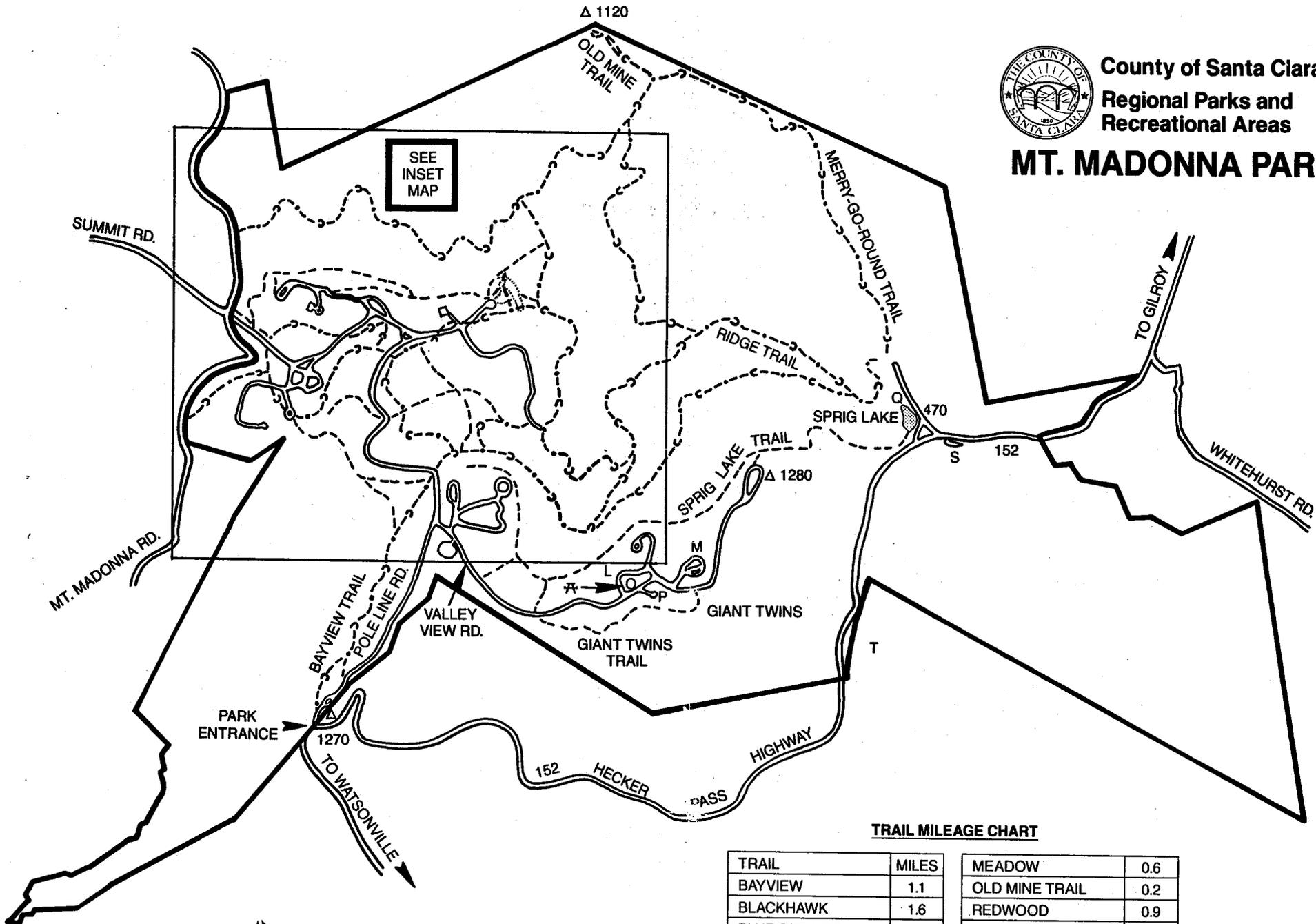
Thanks for the many inputs for this SCCARAGRAM. I might add that Dick Barrett W6CFK used to write a column for the San Jose Mercury.

Well till next month... 73 Mike KB6LCJ



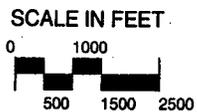
County of Santa Clara
Regional Parks and
Recreational Areas

MT. MADONNA PARK



TRAIL MILEAGE CHART

TRAIL	MILES	TRAIL	MILES
BAYVIEW	1.1	MEADOW	0.6
BLACKHAWK	1.6	OLD MINE TRAIL	0.2
BLUE SPRINGS	1.3	REDWOOD	0.9
CONTOUR	0.3	RIDGE	1.8
GIANT TWINS	0.7	ROCK SPRINGS	0.4
IRON SPRINGS	0.2	SPRIG	1.8
LOOP	2.1	TANOAK	0.9
MERRY-GO-ROUND	1.9	TIE CAMP	0.9
		CONNECTOR TRAILS	1.3

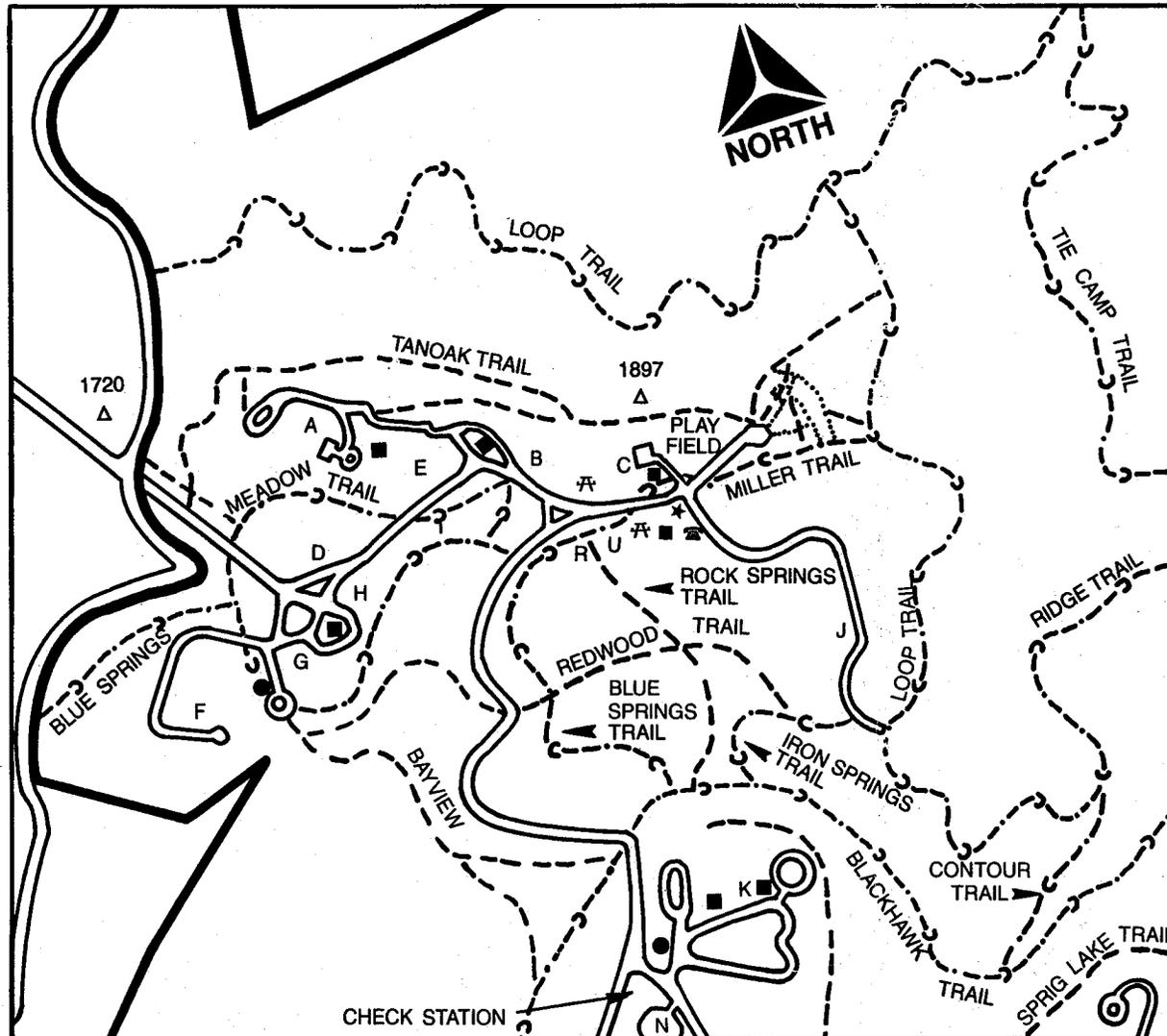




County of Santa Clara

Regional Parks and
Recreational Areas

MT. MADONNA PARK



LEGEND

- ★ VISITOR CENTER/PARK OFFICE
- A TANOAK CAMPGROUND
- B DEER PEN PICNIC AREA
- C HILLTOP GROUP AREA
- D WEST DEER PEN GROUP AREA
- E DEER PEN
- F BAY VIEW YOUTH AREA:
 - ARROWHEAD
 - BUCKHORN
 - CHEROKEE
 - INDIAN ROCK
- G INSPIRATION POINT PICNIC AREA
- H SIG PIT GROUP AREA
- I SOUTH DEER PEN PICNIC AREA
- J ARCHERY RANGE
- K VALLEY VIEW CAMPGROUND NO. 1
- L VALLEY VIEW CAMPGROUND NO. 2
- M VALLEY VIEW CAMPGROUND NO. 3
- N HUCKLEBERRY GROUP CAMPGROUND
- O AZALEA PICNIC AREA
- P LONE MAPLE PICNIC AREA
- Q SPRIG LAKE PICNIC AREA
- R MANZANITA GROUP CAMPGROUND
- S BODFISH PICNIC AREA
- T MAGIC SPRINGS PICNIC AREA
- U AMPHITHEATER
- COMFORT STATION
- HORSE AND HIKING TRAIL
- - - HIKING TRAIL ONLY
- NATURE TRAIL
- HORSE STAGING AREA
- △ ELEVATION IN FEET
- ☎ TELEPHONE (COIN)
- ⌘ NEW COVERED PICNIC AREAS

Frequency Allocation Chart

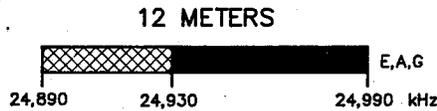
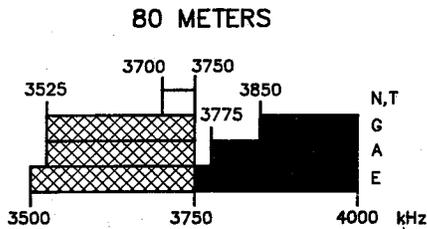
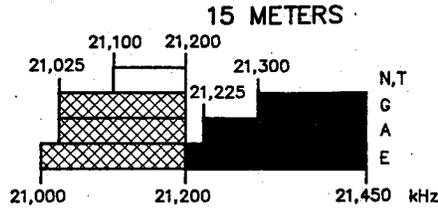
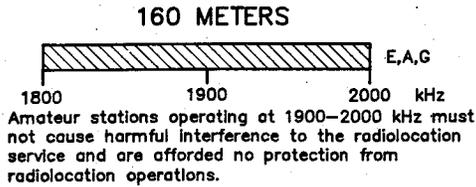
US AMATEUR BANDS

Revised November 15, 1989

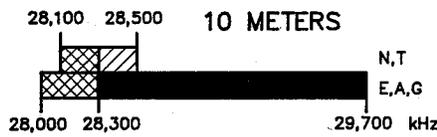
US AMATEUR POWER LIMITS

At all times, transmitter power should be kept down to that necessary to carry out the desired communications. Power is rated in watts PEP output. Unless otherwise stated, the maximum power output is 1500 W. Power for all license classes is limited to 200 W in the 10,100-10,150 kHz band and in all Novice subbands below 28,100 kHz. Novices and Technicians are restricted to 200 W in the 28,100-28,500 kHz subbands in addition, Novices are restricted to 25 W in the 222.1-223.91 MHz subband and 5 W in the 1270-1295 MHz subband.

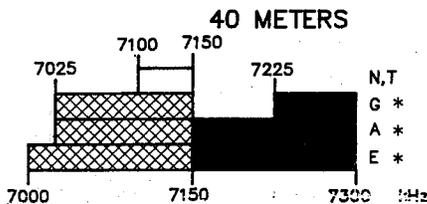
Operators with Technician class licenses and above may operate on all bands above 50 MHz. For more detailed information see The FCC Rule Book.



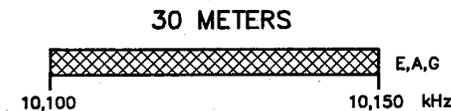
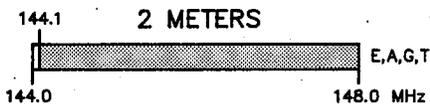
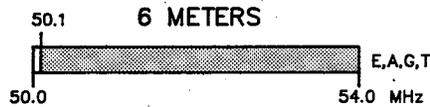
5167.5 kHz (SSB only): Alaska emergency use only.



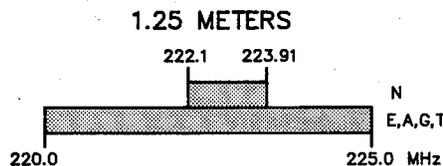
Novices and Technicians are limited to 200 watts PEP output on 10 meters.



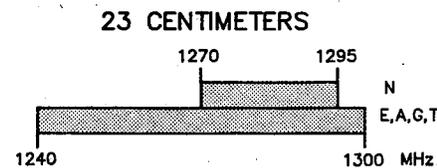
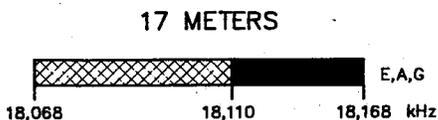
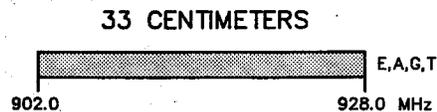
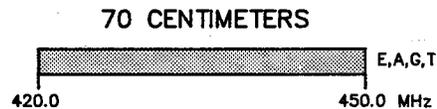
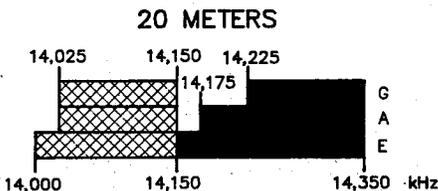
* Phone operation is allowed on 7075-7100 kHz in Puerto Rico, US Virgin Islands and areas of the Caribbean south of 20 degrees north latitude; and in Hawaii and areas near ITU Region 3, including Alaska.



Maximum power on 30 meters is 200 watts PEP output. Amateurs must avoid interference to the fixed service outside the US.



Novices are limited to 25 watts PEP output from 222.1 to 223.91 MHz.



Novices are limited to 5 watts PEP output from 1270 to 1295 MHz.

- ### KEY
- = CW, RTTY and data
 - = CW, RTTY, data, MCW, phone and image
 - = CW, phone and image
 - = CW and SSB
 - = CW, RTTY, data, phone, and image
 - = CW only

- E = AMATEUR EXTRA
- A = ADVANCED
- G = GENERAL
- T = TECHNICIAN
- N = NOVICE



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REPEATER INFO

Call	W6JU
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

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.

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