SHORT SKIP

SONOMA COUNTY RADIO AMATEURS, Inc. AUGUST, 82 VOL. 7, #8

DX WATCH

FCC Says More 20 Meter SSB Frequencies. Expand the 20 Meter phone subband? The FCC is considering just this action. Add good sunspots and you have DXer Heaven. But what will FCC Docket 82-83 really do for DX?

The DXers, nets and DX presently in the 14200-14250 range immediately will move down to fill the new subband. These operators want to be near the DX portion of the band, and will move accordingly. In weeks if not days the new frequencies will be every bit as crowed as the bottom end of the 20 meter phone band is today. With any luck, however, the SSTV crowd will stay put on 14230, which will finally get them out of the DX area.

The hams who will benefit the most from the expansion will be the General Class amateurs. They stand to gain the greatest percentage increase in frequencies, and depending on the final FCC decision, they might also gain access to that prized bottom 50Khz. Wouldn't that be a switch? They would go from the status of a poor relation in the 20 meter DX world to head-to-head battles with top DXer W6AM. More likely, the FCC will settle for contiguous subbands, and the Generals will gain 14225-75. The 66% increase will propel many a DXer into the ranks of DXCC.

Are there any losers in this proposed expansion? What about the DX hams who use 14150-14200 now? The top half of that range contains many of the DXers, DX nets and long-haul communications. These hams will share with those stateside, or move down , depending on interference to their operation. Below this DX layer lurk the personal, non-DX QSOs: long-standing skeds, families and friends, non-english QSOs. They will be the real losers. The RTTY just below 14100 acts as a floor to phone operators; voice communication below 14100 is almost unknown. Those amateurs who view amateur radio as a communications tool, and not as a pursuit in itself, they are the amateurs who will be squeezed from the top as the DXers descend.

Will these hams jump below the RTTY, down to 14050-80? That is the present home of the cw rag-chewer, traffic nets, domestic communications. You won't find many sharp cw filters here, and SSB interference will hurt. Farther down the bottom of the band roars with the CW DX crowd. with kilowatts and filters. They will survive any pressure from above.

So DXers will be the prime beneficiaries of the new frequencies.

What about the other HF bands? In the same docket, the FCC wants amateur opinion on expanding other phone subbands, 80-10 meters. How might these changes affect DX?

Ten meters doesn't need any more phone frequencies; we seldom fill what we have at the peak of the sunspot cycle. 15 meters, on the other hand, cries out for phone expansion almost as much as 20. A hundred additional KHz, relocating the Novices to 21050-21150, would attract a lot of the 20 meter operators except at the bottom of the sunspots.

Any 40 meter expansion would force the Novices to move down to 7050-7100, still head-to-head with the VEs, but at least away from the shortwave broadcast stations. This move might be a welcome change. But there is no DX outside the Western hemisphere above 7100, so phone expansion would be meaningless to the DXer. Now, if they could only get the foreign broadcast stations to go someplace else (I can think of a certain, overly-warm location) 40 meters could be a great band. But phone expansion? No thank you.

 Cont. page. 8

CLUB OFFICERS 1982

President	Len Geraldi 795-4335	K6ANP
V. Pres.	Spencer Barnes 526-1514	WA6IXC
Sect.	Bart Holmes 528-3955	KA6HGW
Tres.	Frank Gleason 584-6907	KB6OK
Rpt. Chair.	Al Bloom 527-0840	NIAL
Activities	Chuck Sabin 795-2371	N6DDK
Board Mem.	Steve Schaffer 546-8860	KD6GC
At Large		
SCRA, Inc.	W6LFJ	
Rptr.	WB6PVS	
Short Skip	Hank Davis 823-7885	W6DTV
	Sarah Davis	N6FAX
DX Watch	Chod Harris	VP2ML
Educ. Train.	Al Bloom	NIAL
Explorer Post 599	Mike Ter Sarkissoff 823-8977	N6DBZ
Raffle Mgr.	Lyman Wiltshire 833-2000	WB6SMY
Club Badges	Jim Tomer	W6CYM
Club QSL Mgr.	Jim Tomer	W6CYM
Public Service Coord.	Hank Davis	W6DTV
Reptr. Tech. Comm.	Al Bloom	NIAL
Field Day	Don Osborn 829-0565	WA6ACX
	Gary Davis	WA6PMN
Club Trailer	Al Schmidt 542-4793	KD6NT

Please call Al if you can help on the trailer.

Club Meetings---Ist Wed. each month EOC.
County Operations Room---8 PM.
Board Meeting- Week following Meeting.
Announced at meeting.
Pacific Dir. Bill Stevens- 2074 Foxworthy Ave.
San Jose, CA. 95124
Vice Director, Jettie B. Hill, W6RFF
22410 Janice Ave. Cupertino, CA. 95014

RACES OFFICERS

Radio Officer	Herb Sullivan 526-3307	K6QXB
Assn. Radio Officer	Lyle Meek 526-3233	N6BLN
Comm. Dir. RACES	Press Thomson 527-2677	WB6PUE

CURRENTS AROUND THE CIRCUIT

We have a new PR man for the Club. At the last meeting Van, W6GFY, Held up his hand when our President asked for help in this line. A news paper item by Van was the first article for a long time. It covered Field Day at the Ragel Ranch Park.

The Club extends a hand of THANKS to Al ,NIAL, for all the time and expense used to work on the repeater. When you consider it takes about an hour and a half just to get to the location, plus return time, plus work time, it takes a great deal of time out of a persons week end. Again Al we thank you for your services and hope we may repay you in kind.

In the September issue of Short Skip, we plan a new COLUMN. Send in your view points on anything concerning the Club or about Ham Radio in general. Keep them short. Letters must be signed but names do not need to be published. Give it a try.

Another run under our belts with only about four more to go. N6DNB Glenn, N6FFL Irma, N6FAX Sarah, AG6C Betty, WD6CKP Hoppy, WA6UCP Uncle Bud, NCS, and W6DTV. These Club members furnished communications for the Valley of The Moon, Kenwood 4th. of July Run. Some wheres around 600 runners took part.

It would be nice some time to have some new members sign up for these runs. It is the same basic group each time, how about helping now and then?

Have you heard the mistry repeater? On 147.375 +600 is a new repeater located in the same vault as the 146.73 repeater. You may hear , if you listen at the right time, some old familiar voices..

Again, remember the Picnic. Details later. September 18th is the date and Chilli cook-out is the game. Come one come all. Doyle Park.

October 6th. is the Nite out on the Town. Marquee Theater is the place. Chuck Sabin N6DDK will pass out tickets at the August meeting.

SANTA CRUZ CO. AMATEUR RADIO CLUB
INVITES YOU TO THE
1982
ARRL PACIFIC DIVISION CONVENTION
OCTOBER 8, 9, 10, 82

AUG. SWAP SALE 8-82
SONOMA-
CLUB

EMERGENCY RADIO TEST

Ham operators on field day

Those beings who congregated at Sebastopol's Ragle Park June 27 with antennae and ethereal voices were of this planet.

They were amateur radio operators on an annual field day.

About 30 of the 130-member Sonoma County Radio Amateurs turned out for the 24-hour event, a coordinated nationwide test of emergency radio equipment in which points are scored for each radio contact made with amateurs elsewhere and for low power or alternative power operation.

Among their solar powered contacts were the East Bay, Lake County and Sonoma.

The club's line-of-sight radio repeater atop Sonoma Mountain can connect members with other hams in the San Francisco bay area, and as far south as Salinas and as far north as Cloverdale.

The crowd showed up with campers and trailers or ready to rough it in the open. Some brought families and made it a mini-vacation. Member Chuck Sabin cooked for them all.

Spectators gathered, some of them on horseback.

Results of the exercise will be submitted to the Amateur Radio Relay League, where the group's unofficial point total of 1,287 will compete with others.

Training members to operate their radio equipment without electric connection is a major function of the club. They volunteer to provide communication at various public events, such as fundraising walks to benefit charities, but emergencies are where they shine.

"A real lifesaver," is how Pete Peterka describes the Radio Amateur Civil Emergency Services (RACES) composed of the local hams.

"When there are no direct telephone links, they're invaluable," says the coordinator of County Emergency Services.

"During the Creighton Ridge fire in '78, they operated 24 hours a day for 20 days as a communications link between Black Mountain Camp, the Guerneville shelter and the county center."

It's a system that works, Peterka says.

The number of emergency vehicles and personnel that goes "on the air" during disaster situations overwhelms normal radio communications facilities and the ham operators, working their base radios at home or mobile or portable units, fill the need.

With their help, Peterka says, he can relay administrative information, get supplies where they're needed, get occupancy data from shelters, and communicate with remote areas or city-to-city.

"When the Graton apple warehouse burned we had to evacuate several hundred people because of possible toxic fumes and RACES was our link between the shelter, the on-scene commander and the Red Cross.

"They were the only communication we had between the county and the formaldehyde spill site on the Russian River up in Mendocino County and they let us monitor everything that was going on...

"And a couple of years ago when there was that plane crash up at Cloverdale around Christmas, we couldn't get even an emergency phone call through to Oregon. I contacted the ham radio operator and he relayed a message in five minutes to some mother there to tell her that her son was OK."

"We can assign them to an incident site, to a spill of hazardous material or a fire or flood, and we know what's going on.

"They're a real lifesaver, with a phenomenal capability to expand."

article above is the results of his efforts. This is the first one in several years, so keep Van supplied with good news articles.

Activities proposal Passed. It was amended.

All Club activities shall be open to everyone. At the Xmas Party, FD, and Club Picnic, non members will be charged 50% more than members.

Except for fund raising Raffles non members are not eligible to win prizes.

A special club activity may be declared closed by the board of directors; subject to approval b the general membership at the next regular meeting following such declared activity by the Board.

JULY MEETING---

Sect. and Tres. both on vacation, and only about 30 members present. Al said that he has 2 gas tanks for the emerg. trailer, Total of 18 gallons. New wheel wells which help, and listing of all equipement for the trailer.

Not enough people asked for a class for the Novice grade license so the class will be held later.

NIAL explained about the repeater. He hopes that it will go out so the trouble can finally be found.

Brad, WD6CCG and the Landmark Winery donated wine for the FD meals. Thanks Brad.

Warren donated the gas and car for the trip to the NARC repeater COMM.. No progress reported. We are still having interference from the W6LIO repeater in King City.

Tickets were handed out for the fundraiser Marquee Theater on Oct. 6th. If you do not have yours please see Chuck Sabin, N6DDK.

W6GFY is the New PR man and the

A hope that you will join the Club Letter, was explained to the membership. This letter will be sent to those operators that use the repeater and do not help in any way. Hope it works. N6FYT Pat, wifeof board member Steve, upgraded to advanced. Congration Pat.

The HandiHam Program was explained to the membership. KIWANIS is the Service Club that takes care of the HandiHam program out here.

Well---It happened---The roll kitty finaly found a member to take it. Don WA6ACX won the whole thing--About $95.00 Bucks. Boy it took nearly a year to do this. Poor Ron---------

See you all at the August meeting. Happy summer, I think it is here.

FIELD DAY EXERCISES 1982
RAGEL PARK, SEBASTOPOL, CA.

Field Day is held each year in the month of June. What is Field Day? Field Day was originated as a form of exercise where-by Radio Amateurs all over America could go out in the country side and prove that they were able to set up a communications facility and by contacting Amateurs all over America and in this way show that their facility was a capable unit. All this has to be done without any connections to P G @ E. There fore they have to use gasoline driven generators, or other systems, yes even solar power, run to the various transmitting units.

1982 Field Day was a good one. A group of Amateurs, men and women. setting up equipement and providing protection from the elements. Twelve noon is the starting point , until twelve noonSunday as many sections and other stations within a section , must be contacted to build up a field day score. This is the only way to judge ability to perform.

To do something like this takes planning. Our Field Day leader was WA6ACX, Don Osborne. His assistant was Gary Davis , WB6PMN. Another Vital member of the crew was N6DDK Chuck Sabin, The Field Day Cook. He was assisted by W6CCY John Lynch. Chuck had to prepare for 3meals feeding over 60 people, no small job.

Field Day was held in a public County Park near Sebastopol, Calif.. Manypeople came over to look around, somerode in on horse back. Some 15 cars stayed over night at the Park, watching equipement and working stations far into the night.

Operating positions where set up on 160, 80, 40, 20, 15, 6, 2, 220, 440, and a Novice Station. Solar power was used as an alternate energy source and some 23 contacts made. The East Bay, Lake Co. and the town of Sonoma were contacts on Solar energy. All VHF units were also battery power, not connected to the FD generator. An ICOM2A was used as the transmitting unit on solar.

In these parts of Sonoma Co. where grass fires are always present the Sonoma County Radio Amateurs, Inc. protected the enviroment by having a high pressure water pump and tank present and ready.

The following amateurs were in charge of the various operating stations. 160 Don Boosinger. 80 Don Bremer, 40 Steve Schaffer, 20 Len Geraldi, 15 Don Bremer, Novice Station Ben Bisordi, VHF Mike Ter Sarkissoff, Solar Power John Lynch. Others operated at different times of the day or night as disired.

Extra points were earned as follows: Contact with WIAW, ARRL HDQ., 300 Pts. Transmitting and conferming message to SCM 100 pts., Relaying messages from one station to another, 50 pts. Solar power earned 100 points. A PR item should earn us 100 pts. as we were in a public park, Van Gross will do the PR work. We were heard via satalite but did not get a two way.

All that is left is to get all logs and material back to ARRL before July 26, 82.

Unofficial contacts were as follows: 160-40, 80-40, 40-219, 20-360, 15-510, VHF 45, Solar 23, Novice 30,--1287 Total.

The following calls were there and visited on FD, I hope I did not miss any: KD6XF, N6UFR,WA6DPE, WAØJRB, W6CYM, KA6IVK, WA6UBA, N6GTF, KA6RLU, WS6RHP, KA6SSL,KA6SSM, WA6RNF, KA6RQK, WD6PWX, WA6UAZ, WA6ACX, NIAL, WA8LLY, W6BNB, KA6JHM, KA6HGW, WB6PMN, W6DTV, KD6GC, KD6HQ, N6DBZ, K6ANP, WD6CKP, KA6DEI, N6FAX, N6FFL, N6FYV, N6FYC, AG6C, N6DDK. KA6DJY and Wife.

KA6HGW Bart, our Club Sect., set up his own station and worked 40 stations on 40 meters. He was not part of FD.

W5YI REPORT

William P. Green W6BYS, NCS for the QCWA, NORCAL CHAPTER is a silent key. Bill was a mainstay in QCWA for many years and the Amateur Group will miss him. We send our condolences to his family.

The House Energy and Commerce Committee unanimously approved H.R. 5008 June 3rd.. It will go to the full house during July. H.R. 5008 is essentially the same as the Senate passed S.929 authored by Senate Communications Subcommittee Chairman, Barry Goldwater, K7UGA.

President Reagan has nominated Stephen Sharp, currently the Commission's general counsel, to a seven year term begining July Ist.. He must be confirmed by the Senate and it appears that this could be a problem.

AMSAT has been notified that the launch of the Ariane L7 rocket carrying the Phase IIIB amateur radio spacecraft along with the ECS-I, European Communications Satelite, has been delayed until Jan. I983.

Meanwhile, the USSR has orbited another Russian Amateur Radio Satellite. Call is RKØ2 and has been heard on 28.878 and 29.567 MHz. As yet has not been heard on 2I MHz.

Government Freqency Lists Recently Classified. Probably due to so many speaches being copied and released to news media. Ed.

Kenneth L. Gilbert, KB6TG of Monterey Park , CA. has been releaved of his advanced operator and station licenses. Interference, indecent language.

Private Telephones in Automobiles To Be Commonplace Within Five Years--
A couple of hundred telephone common carriers applied for 60 available cellular licenses. It was estimated that each application cost $250,000.00to prepare. AT&T, Graphic Scanning, MCI, Western Union, GTE, United Telephone, Continental Telephone. Some likened this to the gold rush of I849.

Both Vic Clark W4KFC, League president and E. Merle Glunt W3OKN, an ARRL consultant, testified before the U.S. Senate Committee of Foreign Relations on May I8th. This is the committee that is considering ratification of the WARC-I979 final radio regulations.

Senator Harrison Schmitt, R-NM, who serves on Goldwater's Senate Communications Subcommittee, filed a request the dame day requesting delay at least until the ITU conference this fall in Nairoby, Kenya.

There have been many intercepted messages between President Regan and other Officials. In several fo these Ham radio has been mentioned. They have not said that the person was a licensed operator but the name Ham was mentioned. The end result of all of this, is that the ham radio operator certainly is not improving his image with the government and the public. It also helps explain why the NTIA has chosen to recently classify government frequences. Publicity such as this certainly can't help the amateur community who need Congressional ratification and FCC rulemaking to gain access to the new WARC bands. Why don't they scramble high level things such as this? Ed.

Texas Instruments and Commodore are going after the discount chain store business. K-Mart will test sell the TI-99/4A and Commodore VIC-20 in 500 stores. Target J.C. Penny and Wards also plan to carry them.

The suit against the ARRL apparently is a "non-suit". The League still doesn't know what it is being sued for.

The Commission has relaxed the effective radiated power limitations on Amateur Radio repeater operations in the 6 meter band and extended these limitations to such operations in the I0 meter band. Below 32 meters (Antenna height above average terrain) 800 watts, above 29.5 MHz. 420 MHz, I Kw input, I2I5 IKw input. Stations should still use the minimum power necessary to carry out the desired communications.

Bash objects to the basic concept of HR-5008 since he feels discontinuing regular FCC amateur testing would remove the standard that all American Harm radio operators must meet. He also objects to allowing any person or group (ARRL) in any way associated with any company, organization, or entity that publishes or distributes amateur radio test preparation materials from administering any ham examination. This would prevent a conflict of interest. (excludes his Co. also).

YL NEWS BY N6FYV

I do hope that everyone noticed the article in QST concerning Betty AG6C. Don KB6LO did a very nice job writing the article. There will be a longer version of the article in World Radio News in August.

On June I7 the night class gave Betty a surprise party with Champagne and all kinds of goodies.

On June the 24th the day class took Betty to Oakmont for a surprise luncheon.

Congratulations to Claudia KA6UJC and Linda N6GYH and to the new little hams. Claudia has a new son Travis who wieghed I0#I2 oz. and Linda whoes new son hit the scale at 9# I4 oz..

Robyn VK3DRA visited Sebastopol from Australia. This was her first time in the states. She said it was a great deal like home. She was able to meet with several of the local YL's and enjoyed meeting everyone and felt right at home. Robyn is the only full call YL within I00 miles. Her home is in Morwell, Victoria.

Terry N6CYV has been in several Amateur publications. She is quite active with MARS net, Golden Bear, and NCN traffic net. Keep up the good work Terri.

YLs involved in local events in the area are Terri N6CYV and N6FYV Connie. In the Civil Air Partol economy race Terri Eggleston N6FYO and Connie N6FYV helped on June I9th.

Sarah n6FAX, Terri N6CYV, Connie N6FYV, Betty AG6C, Judy Ka6RQK, N6FFL Irma, Kathi WA6UAZ, all helped on Field Day.

Betty AG6C, Sarah N6FAX, IRMA N6FFL Helped with the Kenwood Race July 4th.

Sarah N6FAX and Connie N6FYV were members of the Sebastopol Crew in the 82 Chorline Leak activity.

HOT NEWS: Jerri N6FCV washed her truck without getting any bumps bruises or sore musels.

Irma N6FFL received a very nice birthday gift from Don, WA6ACX. His gift was very thoughtful, a keg of galvanized nails. Just ask Don and Irma how nails attract their lost dog?

NEW CALLS: Helen N6GTF, Diane N6GYG, Linda N6GYH, Tony N6GYI, Mimi N6GYJ, and Georgia N6DZU

73 Connie

SEBASTOPOL JULY I5--Chlorine

All was well as the rays of sunlight came over the eastern hills. Around 6:30 am the phone rang off the hook and Red Cross told Sarah N6FAX and Hank W6DTV to get busy. There was a Chlorine leak at the Sewer Plant on Llana Rd. and people were to be evacuated out of the south Sebastopol area to the Vets Bldg. in Sebastopol. Whoa--we were still in jammies.

I got on the horn while Sarah warmed up the car and called Harry Martin, RC and Lyle N6BLN to get RACES active.

N6FAX, N6FYV, K6MUP, W6DTV, N6DBZ in Sebastopol and Lyle N6BLN NCS and ca II up WA6ICX to go to the RC Chapter. No one there until 9 am?? Races performed swell No amateur type work at all. The RC crew was a fine group to work with a lso. from I00 to I50 people were given coffee and donuts. Two meters and 220 were used and both worked fine. I wish to thank Lyle for his fine work as NCS. No one has ever done such a fine job.

It was a good exercise because it was real a real evacuation, real medical problems, (the WSCSZ Fire First Aid team had to be moved to the Vets Bldg. as the RC nurse did not arrive tell II:30 am. No problem.

I was a good Disaster preparadness experience, real. Some short commings which can be corrected. The Sebastopol Fire Dept. Aid Crew performed fine, Thanks. Sonoma Co. has it's share of emergencies--we should be a well trained team soon, at least we have plenty of practice. 73-

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Some one asked me to remind you all to check your QST renewal date and also to check your license date. QST can be renewed through your Club, it earns us about $I.50.

SALE

Kenwood TS320S,MC50,VFO,MFJ-422 Keyer ATB34 Ant. by CushCraft, $850.00 or Best Offer. TR7850 $275.00 or Best Offer. Soldering Station Weller $35.00 Heath Lab Pwr. Sup. 5V-0/30V Ip27I8 $30.00 ~~5 Band High Gain I8AVT/WB $50.00~~ Don Boosinger 527-7847

Radio Shack 4 pin mike plug will fit TS820S if you are in need. HD

Don KB6LO do not HARASS the Rangers.

THE MYSTERIES OF ELECTRICITY EXPLAINED-----

We have swiped from an unknown utility which credited "an old clipping"--a set of explanations which make the secrets of electricity simple enough for all to understand???

I. Most electricity is manufactured in power stations, where it is fed into wires which are then wound around large drums.

2. Some electricity, however, does not need to go along wires , that used in lighting, for example, and in portable radios. This kind of electricity is not generated, but is just lying about in the air, loose.

3. Electricity makes a low, humming noise. This noise may be pitched at different levels for use on doorbells, telephones, and electric organs.

4. Electricity has to be grounded. That is to say, it has to be connected to the ground before it can function, except in the case of airplanes, which have seperate arrangements.

5. Although electricity does not leak out of an empty light socket, the light socket is never theless live if you happen to shove your finger in it when the switch is on. So if it is not leaking, what else is it doing?

6. Electricity is made up of two ingredients, negative and positive. One ingredient travels along a wire covered with white plastic, and the other along a wire covered with black plastic. When these two wires meet together in what we call a plug, the different ingredients are mixed together to form electricity. From the library of KB6LO.

Any one with a different idea on electricity send it to Short Skip.

ACTIVITIES

Another exercise--A bit different, so new problems to solve. Sonoma Co. as an inter agency may be (RACES) to assist with other units of emergency services. The weekend of June I2/I3 was one of these. Mutual aid with the CO. Search and Rescue (SAR) and with the Civil Air Patrol, (CAP). Stations were maintained at the Sonoma CO. ECO and the CAP base at the Sonoma CO. Airport.

Inter-mod was a big problem. Never the less I50 messages were handled during the 2 days. Some 25 operators from Sonoma CO. found time to help out during the exercise. Thank you all--several YL's were in the group.

A brunck was held Sunday at Sonoma Joes at IIam. Several certificates were handed out

CONT--

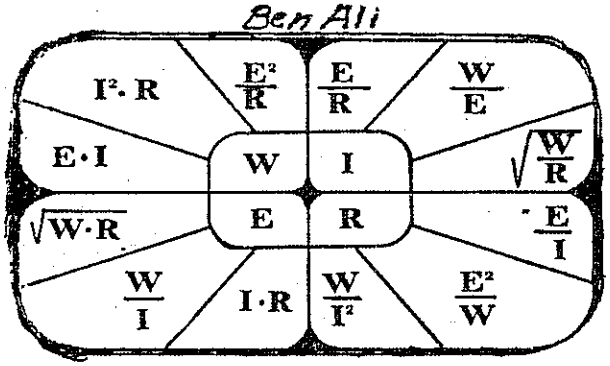
as follows: Gary Davis, Kathi Boyette, Don Bostrom, Hank Davis, Area Coordinators. Lyle Meek, Assn. Radio Officer, and Dale Westerterp Training Officer.

Herb, K6QXB, explained our part with CDF for the summer fire season. Mr. Dave McKay will be the CDF officer we will work with most. Bob Townsen, K6OHE, will be RACES Coordinator. Activity will center around Fire Info., Logistics and Heath and Welfare from the fire camps. The alerting of call out members , for the present will be via. telephone and repeaters.

CLUB MONEY REPORT---- June I982

Begining Balance		$I205.60
Ending Balance		743.43
Income		87.77
Dues	$37.00	
AHLd.	8.00	
Raffle	30.00	
Coffee	I2.77	
Expenses		$ 549.94
Field Day	I50.00	
Fund Raiser	350.00	
Short Skip	33.00	
Coffee	8.94	
Dues Adjust	8.00	

Ben Ali



SALE SWAP ETC.

The following items are available if you are interested please call Hank Davis at 823-7885 after he gets up in the morning and sometimes until II PM.

HeathKit HW I2- Mike and Speaker--HeathKit Field Strength Meter PM-2---Canteanna Dummy Load---Johnson Viking Antenna Match KW I0/I60---Hunter Bandit 2000B 80/I0 Amplifier Coaxial Antenna switch---Hallicrafters Model HT 37 80/I0---Wilson Electronics WE 224 2 Meter FM----Drake Model 2A Communications Receiver 80/I0 and Drake 2A-Q Multiplier and speaker--HeathKit Hybrid Phone Patch HD-I9---Micranta VOM 22-204---Lumi-time Dig-Clock I2 hr. with alarm---2- Standard CB HT 2 Channel---Ameco SWR Bridge, Remote sensing Unit.---HeathKit HA202 power Amp-2 Meters--HeathKit Electronic/Directory, Dialer, Model GT I217 (Unassembled)--Eico Model 249 Peak to Peak VTVM---HeathKit Model HVA 202-9 I/4 Wave Gutter Mount Ant.---University Horn (speaker) 6W/I2Ohm--HeathKit Model HP I3B DC power supply--HeathKit Mike--_) Foot Alum Tower with Ringo Ranger on top--Wards 3000 watt II5/230 gasoline driven generator. Electric Start--(A $250.00 Bid on this at present)

For Sale--Call John W6CWR, 542-II76---HWI02 Pwr- Supply, $300.00--Palomar Ant Match for mobile use--Adjustable from 8 to 50 ohms Z--$45.00

For Sale-Call Hank Davis 823-7885--Craftsman Tool Chest and Cabinet I0 drawers above and 3 below on wheels--also repair cart two shelves on wheels--6" bench grinder- pipe wrenches I4 and I8--Osc Sander--I/2" power drill--Air compressor and tank I Hp--#" bench vise -- 2 sets pipe threaders--crescent wrenches 6" to I8"--Assorted Pliers--Combination square, C Head-protractor--Trouble Lamp--snap on air nozzles--Open box II/32 to7/32--5 offset screw drivers--Ignition set-pliers and box wrenches--swiss needle files--I" Mike-dividers, spring bow inside calp. outside,centering calp--2-II" monkey wrenches--gear pullers air hammer--Airplane snips--Standard sheet metal snips--channel locks--C clamps--framing square--I2 special pliers like split ring--scribe--NuTrix file--ratchet box to 3/8 to 5/8 Box open end I/4 to I3/I6--Open end I/2 to 5/8--Box L II/I6 to I"--Open end 24 MM--Open end i I/8 to I I/I6--20 assorted pin, drift, taper punches--I0 assorted cold chisels--Many other things in the tool line. ($300.00 bid on this now)

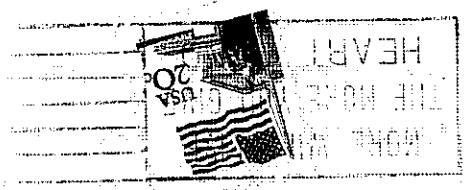
BOB OLSTEN
WD6DPE
3723 ARIZONA AVE
SANTA ROSA CA 95405

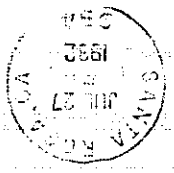
FIRST CLASS

SONOMA COUNTY RADIO AMATEURS, Inc.
P. O. BOX 116
SANTA ROSA, CA. 95402

CLUB CALL W6LFJ

REPEATER WB6PVS





Chod Harris VP2ML--DX Watch Cont.

An additional 25KHz on 75 meters wouldn't revolutionize DX on the band, but it might go a long way in that direction. 75 meter DX is the exclusive province of the EXtra. If other license classes get privileges below 3800, a whole new world of 75 meter DX might open up.

But don't rush onto the proposed 20 frequencies just yet. The FCC moves slower then New Hampshire molassas in January, and it will be a while before we can begin moving down. To help our DX totals meanwhile, we might keep an ear out for Erik, SMØAGD, from somewhere in the South Pacific.