

SHORT SKIP ~



Spring is here ~

1981

New hope ~

CLUB OFFICERS

President: Len Geraldi K6ANP
795-4335

V. Pres. Lyman Wiltshire
833-2000 WB6SMY

Tres. Bob Olsten WD6DPE
546-5593

Sect. Doug Stewart
523-2118-N6DHT

Board: Alan Bloom N1AL
527-0840
Steve Schaffer
KD6GC 546-8860
Chuck Sabin N6DDK
795-2371

Short skip: Hank Davis W6DTV
823-7885
Lyle Meek N6BLN
Chod Harris VP2ML
Dx Watch
Don Bremmer KB6LO
Terry LaDuke Printer
WA6RNF

Club Call: W6LFFJ
Club Meeting April 1, 1981 3400
Chanate Rd. Childrens Day Treat-
ment Center. Brown Bldg. Phone
527-3101 Board Meeting April 9th
W6DTV's Home 7822 Washington A
Sebastopol, Ca. 823-7885 Will
Watch 146.73.....

COMMITTEES

Mobile Unit Doug Stewart N6DHT
523-2118

Educational-Gary Davis WA6PMN
528-4304

Explorer Post-599 823-8977
Mike Ter Sarkisoff N6DBZ

Parts Mgr. 833-2000
Lyman Siltshire WB6SMY

Reno Raffle.
Don Bremmer 546-7047 KB6LO
Don Boosinger 527-7847 KD6HO

Field Day Don Osborn 829-0565

ADC Associates--Po Ex 22282
San Francisco, Ca. 94122
JAMING: Send Info. Bearing- Time
Type-Bearing of QTH -Bearing of Rptr
Courtesy of KA6AGZ Dick Turner

LEFT OVERS

Club donated \$35.00 to ARRL for a trophy winner listed in QST each year.
Reno raffle is on you will be sent or given tickets to sell soon.
FAIR This year the fair will be in petaluma as far as Club activities are concerned. Date is June 24 to 28.
FIELD DAY is the weekend of June 27 and 28.

~~New revised issue of Part 97. by FCC~~ Should be available from Club Sect. or in the Federal Reserve section at the public Library.
April 11 this years walk a tron the Club will help again.
Dig out that project you have been thinking about there will be a HOME Brew contest soon.
April 1st meeting of the Club will be on ETL. A slide and tape show covering DF tech. SCARS is invited to attend.
May 6th W6BIP will be the program. Special board meeting to be held at N6DDK's, 1 to 5 pm. More next meeting Constitution work over.
SCARS hope to have the phone patch ready soon.
Have you paid your dues to SCARS this year-It takes money to buy new things for the repeater.
W6CYM is sort of sneaky, as some have known, he can have an antenna height of only 6ft. above his mobile home so..... he just installed a 4 band vertical which is about 22ft. high. He gets by the 6ft. height by raising and lowering the vertical when no one is looking. Does it by motor and rope and pulley's.
FCC Rule Making Soon
PR 79-140--900 Mc Personal Radio Service
Docket 78-369 Option Paper on Radio Frequency Interference to electronic equipment, and need for rules to lessen such RFI.
Absent from the list was PR-79-1 SSB Freq. for CB radio operators.
W5YI Report

SWAP AND SALE OR WANT

HW2036 converted for full 4 Mc., Touch tone Mike, Pre. Amp. \$165.00--
Power Supply HWA2036-3, \$30.00-- 5/8 wave mag. mount with coax \$10.00
Heath Kit 2 mtr. 50 watt Amp. , one bad transistor, \$25.00 HM2102 VHF
Watt Meter, \$25.00--Midland 2 Watt HT 6Channel with xtals for, 34/94,
94/94, 13/73, 31/91, 16/76, 145.11rpt. NiCads, Rubber Duck Ant.
\$135.00 Phone 523-4513 Manuals for all.

Bear Cat Scanner for sale call W6JOX 542-0348, \$220.00

Heath Kit Electronic Keyer-\$35.00--Gonset GSB100-CW-AM-PM-SSB- 80/10
90Watts, Transmitter, \$100.00 , W6KXG, or W6CCY, 823-1357.-----

~~Johnson Match Box 250 Watt level \$50.00 K2HJ 938-4197~~

COMPLETE Drake C Line, Mint Condition--Noise Supresser, RTTY--This
Unit is Clean \$700.00...Joe Cozzolino--526-7731--

HP 410 A VTVM with probe, \$15.00--RTTY Mod. 19, Table, Pwr. Sup..
Reperf.--\$35.00---KS6W, Geo. 528-0201...

Autek Research QF1A SSB CW Audio Filter--\$30.00---Ameco Pre-amp
for older recv. 1.8 to 54 Mc. \$25.00---Antenna Tunner--Yaesu FC 107
10/160 SWR/Watt Meter--250 Watts PEP ---\$75.00--KN6S Geo 523-2436

Lafayette HA460 6 Mtr. Transceive--Vfo -Xtal-10 Watt--Am 110 or 12 V.
\$45.00--450 Power Equional Mount Tasco Scope. 2" Obj. Lens. \$150.00
or trade for Ham gear. Call N8ATB, 527-0934

Call Gary WB6PMN-528-4304--Heath Scope 5" \$25.00--HP 400 C Db Meter--
VTVM NN/UAM 116 C up to x 1Meg-- and 1000 Volts--\$25.00---2-BC221 Freq
Meter with Book \$10.00--BC 7208 Rcvr. 2-6 Mc.--#5.00---Sprague R and C
Checker--\$10.00---300 Watt Gen. 110 Ac 12 V DC- Tiny Tim--\$50.00
Hickok tube tester #533 A --Dual Trace Telequipment Scope D67--\$450.00
BC 348 J Rcvr.-110AC built in---198A Sig. Gen-Nice Nat Dial--RT83
/upn -4 wave guide unit----TS 92 AP Amp Align??---Many hundreds of
parts---

Any one needing fittings for hard line 1/2" and 3/4" get in touch with
WB6TBT in Petaluma, on 13/73 repeater now and then.

Terry 528-6412---Call mornings--After 9.00am---Heath SB 104 System-with
power sup, NOISE BLANKER. -\$550.00

Heath Station Console--Manual 5 by7 spk. Clock--W6JOX 542-0348

Heath Station Console--Manual Call Van W6GFY--544-3485

HQ145 X Receiver, Manual, Gen. coverage with Band spread, BC to 30 Mc.
\$75.00, Call Gary 528-4304

Yeasu FT 301-Solid State-Dig. Readout--Speech Processor--10-160--
No power sup.--KA6AQS, 523-0769, After 6.30pm--\$450.00

Cont. on page 4.

SOME HELP WITH THE QUAD

Extra notes for the Quad 2 meter beam presented in Short Skip a while back. You may want to design one for ten or six or 400? Element spacing--Ref. to Dri-elem. = .2λ. Dri-elem. to 1st Dir. is .15λ. 1st Dri. to 2nd. Dri. is .15λ

FORMULAS:

Reflector - $\frac{1030}{fMc} = h FT \times 12 = h \text{ in inches.}$

Driven Element $\frac{1005}{fMc} = h FT \times 12 = h \text{ in inches.}$

Director #1 $\frac{975}{fMc} = h FT \times 12 = h \text{ in inches.}$

Director #2 $\frac{965}{fMc} = h FT \times 12 = h \text{ in inches.}$

SWAP SALE OR WANT CCNT.

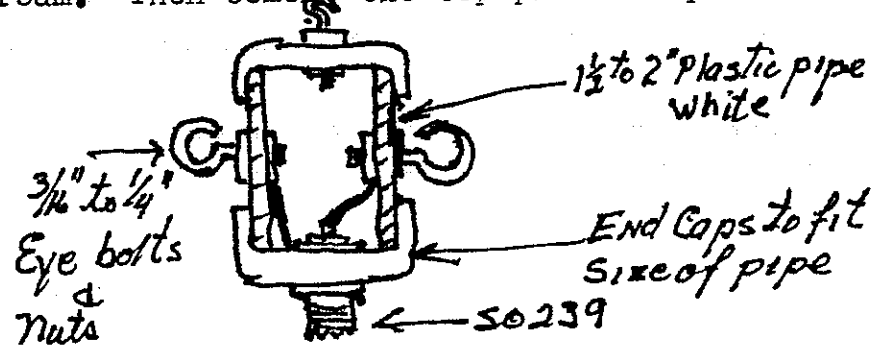
~~Draws~~
Sale-TR4C-80to10- 300EP-260 CW--MS4 Spkr. Cab. Power Sup Enclosed-
Shure 444 Mike. \$450.00---Cesco SWR Meter-Remote Sensor---\$20.00----
Military Antenna Tuner---\$25.00---Phone patch, \$20.00---R390 Mech. readout
500 to 30 Mc.---Rcvr. Built by Stewart Warner-\$200.00---Old Heath Kit SWR
Meter---\$5.00---Bird Watt Meter-Dummy Load type 15/60 Watts-\$25.00----
TS-505D/U Multimeter VOM 1000 V DC-AC-Rx 1 to Rx 1 Meg. Ohms-\$10.00---
No trac. Motorola 2 Chan.A43-HHT 12V-Control Unit-Remote Spk.Mike-----
1/4 wave whip---\$50.00---Dual Speakers on 19 " rack panel---\$5.00-----
Estate Sale-Call Hank Davis at 823-7885-----

LEFT OVER LEFT OVERS

N1AL called in to say that the upgrade class will start March the 31 st. You will have to keep an ear to 13/73 for the place. If not call Al or Gary N1AL or WA6PMN-Phones on page 2.

DAVIS CENTER INSULATOR

This center insulator can be made from white plastic water pipe. Use the thick variety of pipe. Use the clear type of cement and there will be no mess. If you have some foam plastic mix construct the bottom and mid section first and then wire and fill with the plastic foam. Then cement the top piece in place.



DID YOU AWAKEN THE SLEEPING JAMMER?.....N6BLN.....KB6LO.....

During the past few months much has been written about interference and jamming, and what should be done about it. Many are quick to blame CB'ers and unlicensed persons. In many instances that assumption is correct. However you can read in any number of Amateur Publications about fellow amateurs being cited daily, by the FCC, for jamming and interference. What would cause an amateur to jam another. A recently preposed answer, to this now common discussion is US and our operating habits, procedures, and techniques. NO-way---NOway, you say is the way you operate the reason for jamming. Just think for a minute. Have'nt you ever heard a fellow ham on 2 meters or the low bands and say ~~to yourself, "that guy drives me crazy."~~ ~~I can't stand the way he calls.~~ ~~At that point his operating techniques makes you a potential jammer.~~ I'm caught up in it daily--2 meters seems to get my adrenilen going the most.

I become a potential jammer when I hear a station come on, announce his call and then say, "going to the store for a can of dog food, monitoring." or when I heard endless ragchewing on a repeater frequency when a simplex frequency is available. God help you, if you try and sucesfully break in on 2 meters, for a transmission, during commute hours. How about down on the low bands. Have you ever been in QSO with someone and have a ham break in and tell you to QSY because you are interfering with a DX station. Usually he leaves without even giveing his call. That makes me want to stay put, who does he think he is ordering me to move and then not having the proper operating courtesy to give me his call. Then you have the ham that answers a DX station, working contest style, and then gives his WX report, spelling of his QTH and what type of equipment he is operating.

Then you have the HOT DXer that answers the DX stations call for 2.6's only. He's lucky to be one of the two sixes and when called, he says, "Hi, weve worked before many times before and I just wanted to say hell'0." Somewhere there is another six that would have made a new country contact. I wonder what he's thinking about doing. Of course theres the Net Control Station that tells you to QSY because you are on a 25 year old net frequency. The list is endless and it all boils down to our operating style.

Don't misunderstand, I've no love loss for the jammer or malicious interference by anyone and when someone is caught, regardless of his or her class of llicence. I think they should be put so far back in the jail that they have to double clutch light to them.

Amateur radio is many things to many people and one ham's pleasure is anothers aggravation. Fortunitely many of us are strong enough to reach for the ON/OFF switch. Its true we must be tolerent of each others interest, but however it is a two sided coin and we should pause a moment for a little self inspection. You may be the cause of a ham reaching for his carrier control and not the ON/OFF switch.....

Lyle & Don

ANNOUNCEMENTS

A new YL Novice Class by Betty, AG6C, from 6.30 to 8.30 pm starting of March 16th for the first class. Call 542-6750. Address is 3411 Coffey Lane, SR, 95401.

Don's (WA6ACX). Erma passed her Novice Code test and is now waiting for the written test to come. Good luck.

SCARS has purchased a 6 meter Repeater and plan to have it in operation in a low level location in Santa Rosa, waiting for a final site.

N1AL, Alan Bloom, with Gary Davis, Educational Chairman, plan to organize an upgrading class. Will let you know the date and place later.

SCAR, Inc. in process of starting a Blood Bank. Must have 35 members, which we have, and need 10 donations of Blood a year to keep the service active. Method of obtaining the units needed for hospital use will be worked out later.

N6BLN, Lyle is to be part of a DX pedition. Not in person but his final amplifier will be located at Palmyra Island and Kingman Reef soon.

Don, WA6ACX, new Field Day Chairman. He held his hand up at the wrong time. Ron, WB6NBR, if he gets back will help.

Any members of the Club that work in the EOC and have that special pass must renew it before the next exercise. The place is open each Friday for this purpose.

At the last Club meeting it was suggested that the Club Dues be increased to 12 Dollars. This was made retroactive, so any that have paid (1981), can send in an extra 4\$.

PARTY LINE

A scanner is the nearest thing to the old time country party line.

N6BLN, LyLE, had Tendonitis in his shoulder-so he went to the Doc..When he saw the Nurse heading his way with a big 12" needle --One jump and Lyle was clear outside the office.

Don, WA6ACX, is now cleared to pass through the town of Cloverdale--Better pay up next time Don.

Vern Spellman lost his glasses at the last meeting of SCARS. Guess where they were found. Ask him.

Ask Sarah, KA6MCU, how she adjusts garage doors.

Ed, WB6UDR, requested permission to pass through the town of Sebastopol--Don was not around to take care of same.

Geo, KS6W, was told he was a quite a sport---Ya thats right he said, "I run a sporting house". Let Geo explain.

It was said that Don, WA6ACX, was caught fishing in the Citrus Fair Pond by Mayor Ed., WB6UDR.

Wish there was something on Ron.....

Notes on Fox Hunting

For those who want to try Fox Hunting, (Transmitter Hunting), for the first time these notes may help.

March issue of QST, page 43, covers a new angle on DF work in transmitter hunting or jaming of repeaters.

If you are looking for something more accurate and of course costing more see Vern Spellman, K6CNJ or Kermit W6JFN. They can give you addresses and possible cost.

DITS & BITS - A quick roundup of radio, computer and consumer electronic news.....

● **Representatives of the CRRL and CARF** (the two major amateur radio organizations in Canada) met with the Canadian Department of Communications to assist in the preparation of a "Major Revision of TRC-24 (equivalent of our Part 97) Amateur Examinations". If their suggestions are adopted, the DOC would re-introduce code sending tests, permit up to 3 errors on code sending/receiving and ask both multiple choice and essay type questions. Target dates for the revised TRC-24 is January 1982.

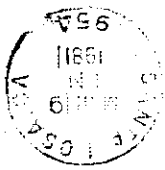
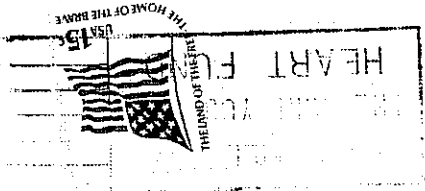
● **RECIPROCAL LICENSING BETWEEN YUGOSLAVIA-UNITED STATES** now exists. Amateurs interested should contact: Savez Radio-Amateris Jugoslavije; PO Box #48, 11001, Belgrade, Yugoslavia. Australian amateurs now have third party traffic privileges within their own country and the Australian P&T is studying possibility of allowing international third party messages.

● **THE COST OF COMPUTER CRIME IS HIGH!** According to a UPI story, a computer manufacturer recently compiled a list of 1,000 computer-related crimes in fiscal-1979 and the average loss was \$502,000. FBI estimates show only \$23,000 for embezzlements without a computer's help. If this is the correct proportion, then computer assisted crime is 20 times more costly!

● **ALL THE SCUTTLEBUTT ABOUT THE INLAND WATERWAYS SYSTEM** obtaining the 216 to 225 MHz band (which included the 220 MHz amateur band) finally were laid to rest as the FCC allocated only 216 to 220 MHz to the "Mississippi River Maritime Communications System." Actually there was never any consideration given to doing otherwise. A typographical error crept into previous rulemaking which the amateur community was quick to pick up on. Even a published correction by the Commission did not seem to allay fears that the band would not be lost for ham use. The proposal was to either allocate the 216-220 or the 806-890 MHz band for IWCS (Inland Waterways Communications System). The final allocation will be authorized on a "non-interference basis with adjacent TV Channel 13." The Commission had received numerous requests for an IWCS, primarily from tug, towboat, and barge operators serving the Mississippi transportation system. The fundamental barrier to the establishment of a river-wide system had been the lack of adequate spectrum under existing allocations. The FCC did not adopt any technical standards "beyond basic channelization and signalling characteristics" but said it intended to "protect Channel 13 receivers" and would "allow manufacturers to participate in the equipment market." Since low-cost 220-MHz amateur transceivers (FM) already exist in the marketplace, it is possible that the Commission will allow their use in the new IWCS band. (Type acceptance will probably be necessary before use, however.)

● **PREPARE FOR THE JAPANESE COMPUTER INVASION!** It's coming! And don't believe that the software development problem will be an obstacle. While Japanese competitors admit that software development is their weakness in the American market, the fact is that "money talks" and there are plenty of software companies that can (and will) provide it. And if the foreign computer maker makes it easy for third party software authors to write programs....there will be plenty available. This is something that both Radio Shack and Apple found out and contributed greatly to their success. When Texas Instruments made a decision to make it difficult for third party authors (a decision they have since reversed)...the computer didn't sell. Computer manufacturers have learned the hard way that it is the software that has become a crucial factor in determining which hardware will sell. A report written by research firm, Venture Development Corporation, entitled "The U.S. Consumer Electronics Industry" says flatly.... "In personal electronics, the contest between U.S. and Japanese manufacturers will be in home computers. U.S. manufacturers such as Apple and Radio Shack will benefit most from the 50.6% growth, but Japanese firms such as Casio and Sharp will draw on their marketing skills to create new and growing slices of the expanding pie." We recently saw a preliminary spec sheet on the Casio FX-9000P Personal Computer and there are features available which will make it very desirable! For example it has a power backup system so data in RAM will not be lost, high resolution 256X128 dot graphics with CPU, keyboard and CRT display in a compact console. It also utilizes new "slot-in memory units" called RAM and ROM packs. It uses a Z80A chip and will sell for under \$1,000. An optional plug-in board will allow expansion. Introduction of the FX-9000P is scheduled in the third quarter of 1981.

Henry & Betty Branson
3411 E. Jolly Lane
Northridge, Ca
95401



SONOMA COUNTY RADIO AMATEURS, INC.
P. O. BOX 116
SANTA ROSA, CA. 95402
CLUB CALL W6LFTJ

EXPLORER POST 599

This post is sponsored by your Club. That is why we print the activity of the Post each month.

Traffic handling and Net Control training are continuing to go smoothly. A big test of their radio skills will come during the Apple Blossom Fiesta weekend, April 4th and 5th. The group will be providing communication for the parade Saturday and for the Race on Sunday. On Monday the group will be setting up a message center and Amateur Radio Display for Club Week at Analy High School. The two unlicensed members of the Post have recently passed their code test and while waiting for the written exam, they are completing the construction of the group CW Transmitter.

N6DBZ, N6BLN, W6DTV