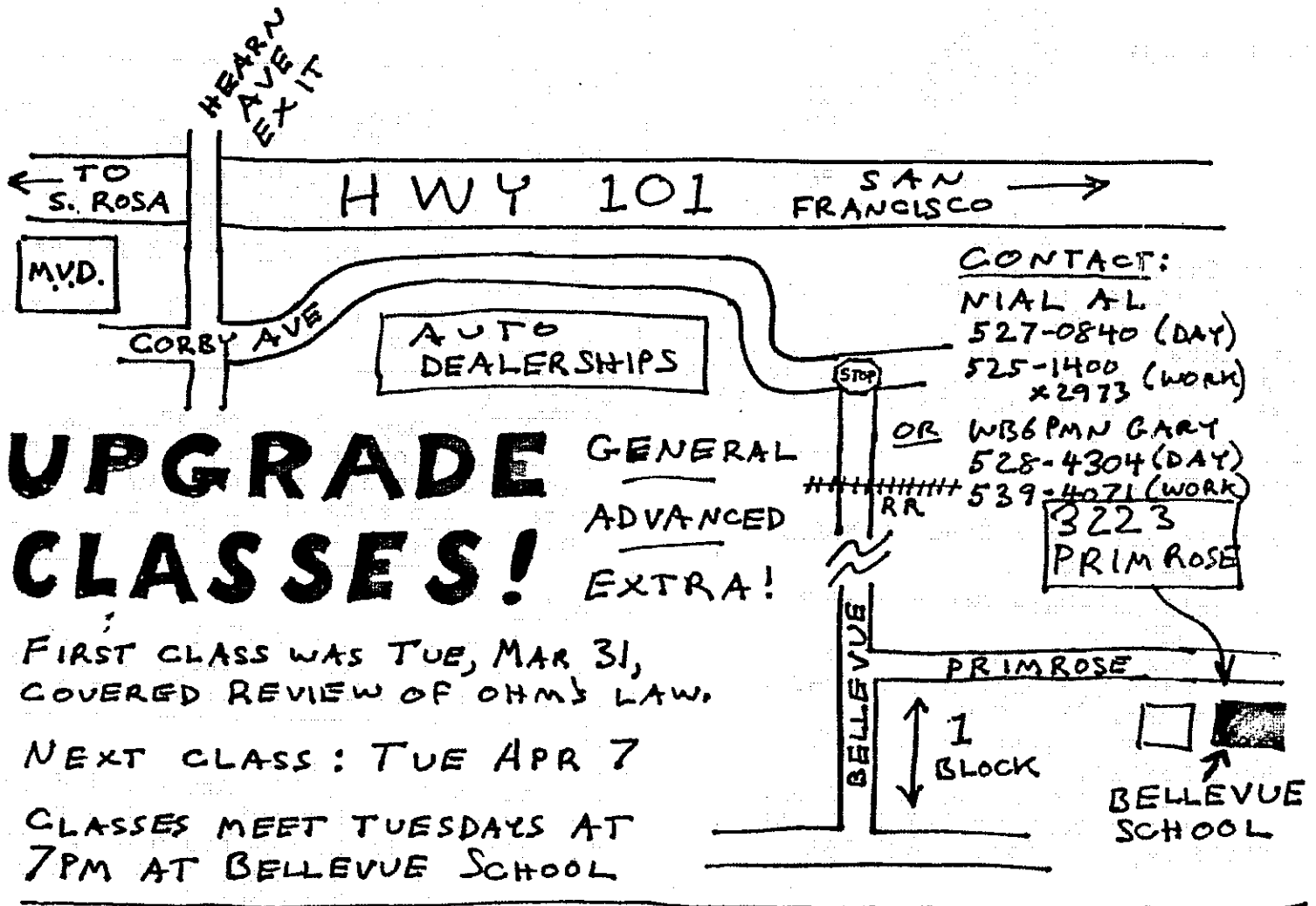
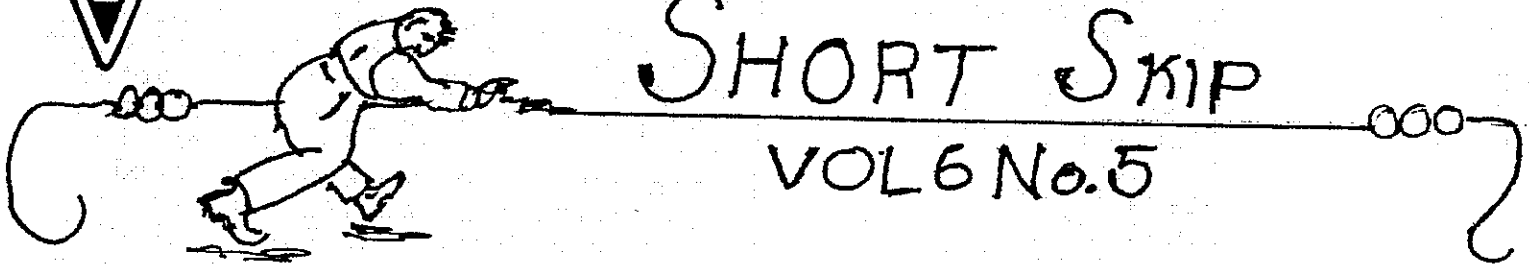




SONOMA COUNTY RADIO AMATEURS - INC.

SHORT SKIP VOL 6 No. 5



CONTACT:
 NIAL AL
 527-0840 (DAY)
 525-1400 (WORK)
 x2973

OR W36 PMN GARY
 528-4304 (DAY)
 539-4071 (WORK)

UPGRADE CLASSES!

GENERAL
 ADVANCED
 EXTRA!

FIRST CLASS WAS TUE, MAR 31,
 COVERED REVIEW OF OHM'S LAW.

NEXT CLASS: TUE APR 7

CLASSES MEET TUESDAYS AT
 7PM AT BELLEVUE SCHOOL

OUR COMMUNICATIONS TRAILER

The trailer is now legal. A paint job before it goes to the fair circuit would help a great deal. It also needs a power panel for the 110 AC and another panel that can be opened to and from the outside for the antenna to enter the trailer. Doug Stewart, Chair person of the Unit would be pleased to get a group together to help and or donate to the finishing of the Unit. Trailer should have a spare tire available when it is being moved just in case. Don't know the size. Ed.

CLUB OFFICERS

President: Len Gerald K6ANP
795-4335
V-Pres. Lyman Wilshire
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 VF2ML
DX Watch
Don Bremmer KB6LO
Terry LaDuke-Frinter
WA6RNF
W6LFJ
Club Call
Club Meeting: May 6 1981-County Office
of Emergency Services Meeting Room.
Map later on in this issue. Board meet.
May 14th at the home of Steve Schaffer.
Map later on in this issue. Watch 13/73
for information to Steve's Home.

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 KD6HQ
Field Day Don Osborn 829-0565

PLACES TO VISIT

SEATTLE MUSEUM OF HISTORY AND
INDUSTRY. Early wireless and broadcast
equipment. Call Warren Green, W7JY,
7202 North Mercer Way, Mercer Island,
Wash. 98040 for info.
Aug. 12- Sunday- Breakfast and swap
meet- Community Center Sonoma, 8.30 to
4.00 pm. Club Swap Tables, Auction
and loads of fun. Valley of the Moon ARC

EDITOR

We would like to try something
different. A board of directors can-
not hit 1000 ball all the time, they
are too close to Club activities to
do this consistently.

Now we have over 75 members in
the Club, and in this issue of Short
Skip there will be a slip to detach
and place in a suggestion box at the
next meeting. You do not need to
sign your name, we want the good
constructive ideas you have to im-
prove the Club. Our President will
present them at the following board
meeting.

PROGRAM

Alan Bloom, N1AL, program chair-
man says W.E. "BIP" Bachman, W6BIP
will be with us May 6th, County EOC
meeting room. The Program will be--
"SIMPLE METHODS USED TO REDUCE HI-
FI. TV, RADIO, AND TELEPHONE INTER-
FERENCE."

A 30 page buletin will be passed
to each person at the meeting.

FIELD DAY

Field Day, June 27-28--- New
location. Close to town, Malm's Fire-
place back yard. Enclosed by wire
fence. Good antenna supports. See
Don, WA6ACX, or Ron, WB6NBR, for info.

HARK YEE

A member of our Club KB6LO has
been appointed to Assistant Director
of the Pacific Division. Congrats Don.

NOTE

Ron, WB6NBR, has a new Dig. readout
device to replace his Azimuth indicator
on his rotor. Indicates each degree.
The circuit is in Ham Radio Mag. Jan.
1979- Pg. 56. Ron says it should cost
less than \$30.00 to build.

W6AX Pioneer Museum, 21120 Sullivan
Way, Saratoga, CA. 95070. Early Amateur
and commerical wireless equipment.

May 16th Armed Forces Day.
April 26th March of Dimes Walk. See
Chuck, N6DDK if you wish to help.

*Late Minute Thanks to Radio Shack,
Farmer's Lane-They donated a knife
Set for the Club Raffle-Drop in to
the store.*

EAVES DROPPING ON THE BOARD

July 1/5 Marin Fair-10am to 10pm-Marin Civic Center Area. Our Club Trailer may be part of the display unit. Our members could help with attending the display.

May 6th- Joint meeting of SCRA, INC. and SCARS at the EOC County meeting room. Program guest is W6BIP.

Our Tres. is at the \$774.00 level at this time. No parties. \$150.00 will be advanced for food for Field Day, replaced by charging for meals.

Raffle material will be available at the May 6th meeting if time permits.

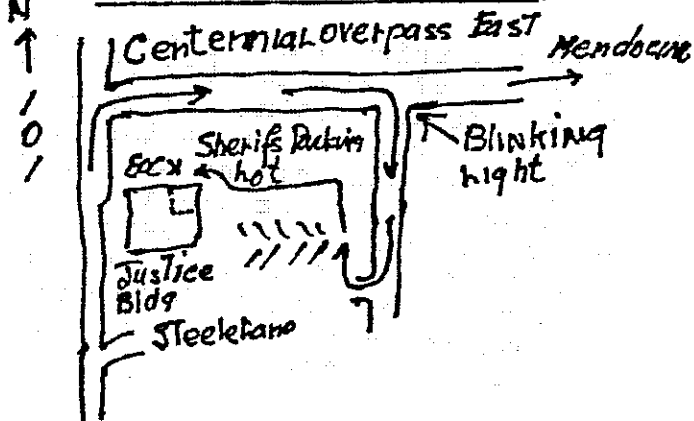
World Radio Subs. are now \$8.64, Club keeps \$1 if ordered thru. Club. ARRL memberships up to \$25.00 for those under 65, and \$20.00 for those over 65 starting July 1. If ordered thru. Club the Club makes \$1.30. You can save money by taking advanced Sub. with ARRL at the rate of \$51.00 for three yrs.

May 14th next meeting at KD6GC. Mark west Springs Rd. 7.30. Steve should be on time for this one.

Please remember the extended dues you voted in. \$4.00. Some have paid.

JANE CROSER. BELOVED WIFE OF COL. KEN CROSER. PASSED AWAY IN APRIL 1981. KEN IS A PAST PRESIDENT OF SCRS, INC BURIAL IN MICHIGAN.

MAP FOR MAY 6TH MEETING



WESTERN SONOMA CO. LEADS.

The communications needs were furnished by SCRA, Inc., SCARS, 599, and other Sebastopol amateurs. The Parade was on Saturday and the race on Sunday. Lyle N6BLN, flipped a mean flap jack before work started.

Amateurs helping were: W6BNB, W6CCY, WA6ACX, KA6KXJ, KA6KXI, K06G, N6DBZ, KB6IL, KA6KSF, W6DTV, WD6DXW, W6USE, N6BLN, N6CZJ.

The next weekend after this N6DBZ, K06G, and KA6KXJ furnished communication and also helped eat spaghetti at the Gyserville Run.

April 26th, SCRA, Inc. and SCARS will help with the annual March of DIMES WALK. N6DDK in charge of organizing communicators this year. If you have not been asked and you would like to help please give Chuck a call. We will list all workers next month.

LAST MINUTE NEWS

A bad fire at Rohnert Park Sunday 19th brought out the Disaster Assessment team from Petaluma. Most are members of the last class of study by the Red Cross. WB6TMS, W6MN, WB6BQX reported.

W6DTV as a Firewatch member for Red Cross reported the fire to the Red Cross worker.

N6CYV acted as phone relay for any information needed to be relayed via phone.

AWARDS

Any one interested in different awards can send to the following address and get full information.

Scott Douglas, KB7SB, Western State County Awards Manager, POB 46032, Los Angeles, Ca. 90046

SWAP

May 31---Sacramento Swap ?????? Machinist Hall????? Try one of the local repeaters, they usually have a talk in frequency.

HAMFEST

ARRL Pacific Division

FRESNO HAMFEST

MAY 15, 16, 17

STATESIDE QSL SERVICE AVAILABLE

Postage costing too much? Not in the latest call book yet? Tired of running to the post office? RELAX.

USQS is a new QSL bureau that allows US and Canadian amateurs to do their QSLing with a minimum of cost and effort. Just send an SASE with your call letters included on the envelope to: USQS, P.O. box 814, Mulino, OR 97402. Your cards will be forwarded to you free of charge. Don't forget to include old call signs if you have changed your call.

If you have Stateside cards to send, please send 25¢ for each 20 cards. Sort the cards by area, 0-9 and remember, these are Stateside cards only. DX cards must go by another method.

If you wish you may even refer to N7BMY as your QSL manager. Laryl Myers is his name and he has been in the call book for several years.

This QSL service seems like a good deal, especially with the cost of postage as it is.

REMEMBER YOUR THEORY?????????

A series circuit has a 100 ohm R, a 0.1 mF C and a 5 mH L. With 100V at 7 kHz applied, it will have a current of approximately

- (A) 40 mA
- (B) 100 mA
- (C) 143 mA
- (D) 1 A
- (E) 2 A

A parallel circuit consists of 70, 110, and 140 ohm resistors in parallel with a 500 ohm Xl and a 900 ohm Xc. The impedance of the circuit is

- (A) 32 ohms
- (B) 30.8 ohms
- (C) 3.27 ohms
- (D) 1124 ohms
- (E) 1029 ohms

Answers next month if you can't figure it out.

*Don
KB6LO*

NOVICE CLASS WELL UNDER WAY

Sonoma County will soon have a new group of Novices, thanks to the efforts of Betty, AG6C. She has been conducting classes for a group of ladies. Sounds like a neat idea and Betty seems to be making good progress. Thanks Betty...

#####

MOBILE COMM CENTER NOW LEGAL

The mobile Communications van is now legally licensed. Don, KB6LO succeeded getting the lights and reflectors installed and hauled it down to the DMV to have it officially registered.

With summer almost here, we would like to finish the trailer so that it can be put to regular use. This is a valuable asset to the club and it is a shame for it to just sit and do nothing. We can be proud to own this unit, but there is much that needs to be done to complete it the way it should be.

We still need a small Breaker Panel for the power. If you don't have one why not consider buying one and donating it? We would also consider cash contributions specifically for the trailer. If you would be willing to lend a hand with the unit, please contact Don, KB6LO and he will let you know what needs doing.

If you know of a good sign painter, we need several large signs made. There is also some cabinet work for anyone that enjoys that type of work. Let's get together and get this thing on the road.

Have you tried sending your own Radiograms? Why not try it sometime? It is amazing how many Amateurs complain about the cost of postage and yet let this service go unused. You can use it to set up low band schedules, send your wedding announcements and generally just keep in touch with friends. We have net directories and hand-outs if you need.

DX WATCH BY VP2ML*

The Editor slipped last month and left out DX Watch for April. It is printed this month as some of the information is still good.

April-- A shortened version of DX Watch, while the author runs pile ups from Easter Island. April makes the beginning of summer conditions, as the noise levels on the lower frequencies begin to increase, and the high absorption cuts into the effectiveness of the higher frequencies. However, excellent conditions continue to prevail during the month. The contest season is just about over, spring antenna work is underway, all in all, April should be one of the best DX months. Watch for 9G1 Ghana by K4YT during the first week of the month. (Ed.- 9G1 was on 15 April. Palmyra and Kingman Reef should also come on about April 8, with a major group. Listen for /KH5 and /KH5K, QSL to KB7KQ....Thanks, the DX Bulletin.

May DX Watch by Chod Harris VP2ML.

On my recent trip to Easter Island, Operating as WA1SQB/CEO, I noticed a habit which is becoming increasingly common among DX-ers: not giving the complete call sign. In the middle of the pileup on the DX station, one might use just the suffix of the call, or even just two letters: "HB, HB". When the DX station comes back, "The HB station, your're 59 Easter Island", The DX station still does not know the complete call of the station calling. The Stateside station, "QSL, you 're 59." No Call sign! The only entry in the call book is HB! Frequently I had to ask for the rest of the call sign, which slows the operation, and reduces the number of people who get to work Easter Island.

By all means, use any legal method to get through the pileup, including sending only part of your call, but at least once during the contact, you must send your entire call sign. This is a legal requirement as well as an ethical one.

The month of May marks the end of the Spring propagation, and the start of the summer DX season. Noise levels increase and stay high most of the increasingly shorter nights. Only the hours just before dawn provide good low band DX possibilities. And increased solar radiation increases absorption on the higher bands during the day. Signals weaken. But we are still near the peak of one of best sunspot cycles ever, and the DX possibilities continue to be excellent. However, they will be getting worse in the future, not better. Now is the time to keep at the DX total.

73-Chod.....

Before the May 1st Exercise you may need to go to the EOC and have your security working badge or visitor badge, or visitor escort badge taken care of. Friday after noons are the best time to find this service available. Control unit for the 6 meter repeater is the next item for the repeater. Phone patch still in limbo as well as ELT, but things are looking up. KN6S and W6DTV were selected as a committee for converging the two Clubs. K6CNJ gave a very good tech. talk after Pete Peterka gave a short discussion on RACES.

SWAP AND SALE OR WANT

Sale- Drake TR4C Tranceiver 10 to 80 300 PeP, 260 Watts CW-MS4 Spk. Cab. and Power Sup. Mike enc. \$400.00 Cesco SWR meter Remote sensor-\$20.00-Antenna Tuner \$25.00-Phone Patch \$20.00-Mil. Multitester VOM 1000 V DC - Rx 1 to Rx 1 Mwg. \$10.00- Dual Spkr. on 19 inch panel-\$5.00-Estate Sale- Call Hank Davis 823-7885

Bear Cat scanner \$220.00--Heath Station Console-Manual- also 5x7 Spk. Call Chuck at 542-0348

COMPLETE Drake C Line-Mint Cond. Noise Sup. RTTY-\$700.00 Call Joe Cozzolino 526-7731.

Antenna Tuner-Yaesu FC 107 10/160- SWR/Watt Meter-250 Watts PEP \$75.00 - KN6S Geo- 523-2436.

6 Meter Transceiver-VFO XTAL 10 Watt-AM 110AC or 12 DC- \$35.00 Early 1920 TRF Receiver-Ask if interested--Joe N8ATB 527-0934

Any one looking for fittings for hard line 1/2 or 3/4 get in touch with WB6TBT in Petaluma.

Heath Kit 2 Mtr. 20 Watt Amp. One bad transistor, \$23.00=1 to 1 Balun available. Phone Chet. 523-4513.

Heath Kit Electronic Keyer-\$35.00- GSB 100CW*AM*PM*SSB*80/10, 90 Watts. Tran. \$100.00 W6CCY, 823-1357

Heath Kit Station Console-Manual-\$65.00 Call Van 544-3485

Yeasu Ft 301 Solid state-Dig. Readout-Speach Pro. 10/160- No Pwr. Sup. KA6AQS ,Mike, 523-0769 After 6.30 Pm-\$450.00

Bell & Howell Course-Electronics and TV Experiments- Books and parts and Design council, with Manual\$30.00-Paul 538-2842

24 Hour Clock-12" Dia. Call Steve WA8LLY 526-6197--

Wanted: Old Jack London Books-- Call Betty 542-6750---

~~For Sale-- 69 ft. foldover Rohn tower- 1/2 element Quad, 3 bander, 10-45-20-30' Boom, Rotor, Control, lowering wench by electric drill meter, \$500.00 ---5CX1500A, \$100.00 Tested by Eimac sealed in box---4CX1500B Final Amp. 6" rack, 0 to 3500 V Pwr. Sup. looks like 20A Variable. 1 amp capacity. 10 to 80 Meters, Vacuum capacitors, B and W Coil, \$250.00--GSB 100- SSB*PM*AM*CW** abt. 90 watts--80/10 Meters--\$50.00 Call W6DTV- 823-7885 and i will guide you.~~

Heath Kit HW100-- SSB Tranceiver-10/80--Terry Lynch KA6DEI 823-1357 \$150.00-----

Items from the W5YI REPORT.

CONGRESS HAS BLOCKED THE FUNDS for fiscal 1981 on the SOLAR POWERED SATELLITE. Conceived in 1968 as a means of converting large quantities of solar energy to usable power, the SPS was to have delivered 9GW of power (which amounts to an output of 4 to 5 nuclear generating stations.) It will now be the end of the century before SPS is operational. Much concern centers around three potentially harmful effects of beaming large quantities of microwave radiation to earth. (1) Possible telecommunications disruption as the energy is piped thru. the ionosphere (2) Direct radio-frequency -RFI and (3) Possible biological damage to the environment. A 6X8 mile antenna array of rectifying antenna would reconvert the microwave energy to usable electric power.

SENATE BILL S-821 WAS INTRODUCED MARCH 27th by Bob Packwood, Barry Goldwater, Harrison Schmitt and Larry Pressler seeking to reimpose radio license fees. Although the bill called for a \$25.00 fee in the private radio services, we could find no specific mention of CB and or amateur radio licenses.

GOLDWATER INTRODUCES NEW TELECOMMUNICATIONS BILL S929
The Senate Bill S929 gives the FCC authority to regulate RFI susceptibility to home entertainment devices and allows the Commission to use volunteers. The Dunnemeyer language is incorporated into the Goldwater bill and like the Dunnemeyer bill, also covers CB as well as amateur volunteers, and volunteer administration by amateurs of the Novice ham examination. S-929 also changes the Sect. 605 secrecy provisions so that they do not apply to amateur communications. Even though many thought the 605 provisions did not apply to amateur communication, a legal determination during the Guyana/People's Temple tragedy was made to the contrary. The bill establishes minimum performance standards for home entertainment electronics to reduce RFI sensitivity and provides the FCC with the option of making all radio licenses valid for a ten year rather than a five year period. Another key feature of the Bill provides "point of sale" regulation for transmitters, RF power amplifiers and component kits so that a person not possessing a valid license can not obtain electronic radiating devices that he is not licensed for. Also barred by this portion of the bill would be such illegal equipment as radar jammers and other equipment sold as amateur gear.

RADIATION DEATH DECISION-FIRST OF ITS KIND

The March 1981 issue of MICROWAVE SYSTEM NEWS reports on a legal decision in favor of the widow of A 58 year old employee of New York Telephone who died of a disease referred to as "microwave sickness". While American scientists feel that a safety standard of 10 milliwatts per square centimeter is safe, Soviet standards are up to 10,000 times more stringent! The FCC is currently looking into the "Effects of RF Radiation Hazards and Health and Safety Standards on Regulatory Responsibilities"-General Docket 79-144. The Commission has emphasized that enactment of RF radiation health and safety standards is a responsibility of health and safety agencies- not the FCC.

The fact remains, however, that hand held , and other transmitters, particularly mobile, operated in the immediate vicinity of humans can exceed even the American standard.

HAM OF THE YEAR AWARD

Eric G. Shalkhouser W9CI-is 88 yrs. old and still active. Has been licensed for 65 years. He was a Professor at Bradley University. Also known as the man who started Radio Manufacturing Engineers. Now writing a book on the History of amateur radio now appearing in 73 mag.

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

EXPLORER POST599

Club day at Analy High School the Post maintained a message center and Radio station in the main Hall of the high school.

Message blanks were available for all students to send messages locally or out of town.

Local messages were transmitted from the main building by KA6KXJ, or KA6KXI to W6DTV in the Electronics Building. There they were phoned to persons addressed. Out of town messages were sent to W6DTV and then relayed to W6NL. Sam W6NL placed each message on the proper Network to get the message to its location. Some 40 messages were sent. The Islands and Alaska were the far points.

Helping Amateurs. KA6KXJ, Scott Lindholm, KA6KXI, Sid Grife, N6DBZ, Mike Ter Sarkissoff, Leader, KB6LO, Don Bremmer, helper at the front station, W6DTV, Hank Davis, W6NL, Sam Van Liew, Out of town station, WB6UDR, Cloverdale relay, N6CZJ, Steve Meek Pres. 599