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Hank Davis, W6DTV 7822 Washington Avenue
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(Noncommercial ham ads are printed for free)

SCHEMATIC of FT221 all-mode 2m transceiver.
FOUND: KENWOOD TR-2500 hand-held 2 mtr. To
claim, give serial nr. Bob N6RMW 542-5209.

REALISTIC WEATHER CUBE radio, manual \$9.00.
Doug WA6QCL 463-1701.

BIG GE 3KW FM TRANSMITTER 10W osc, 250W
driver. FREE to taker. Steve N6RHQ 823-8015.

MFJ TNC STARTER KIT: Terminal program and
disk, new \$20 or B/O. Phil KC6BSI 544-2572.

HAMMARLUND HQ-180 gen coverage rcvr, 160-10,
select SB notch filter, manual, \$250 or B/O.
JOHNSON VIKING RANGER 2, needs rebuild,
manual, make offer. Steve KD6GC 546-8860.

SEARS 2 MTR transceiver 146-148 MHz, \$75.00.
Jim N6PTM 823-7947.

DRAKE TV-3300 1 KW LP filter, 52 ohm, \$20.
Hank W6DTV 823-7885.

BC-348Q WWII rcvr & RME PRE-SELECTOR need a
home. Skip K6DUS 823-7769.

REALISTIC PRO 2004 scanner, 300 chan, 2.5-
512, 800, to 1300 MHz, w/mag-mount ant \$300.
KENWOOD TS430S 160-10 xcvr, AT250 auto tuner
\$850. Steve N6RYA 823-8320 day, 823-5882 eve

TRISTAO CRANK-UP TOWER with tilt base, needs
some work, \$125. John WB6FRZ 838-6398.

YAESU DX560 80-10 xcvr, needs work, \$100.
HALLICRAFTERS S108 8-tube rcvr, works, \$75.
HEATH SB300 rcvr w/2m cnvrtr, untested \$100.
HYGAIN EXPLORER 40m 2-el beam, no reasonable
offer refused. Grant NA6GF 431-7706.

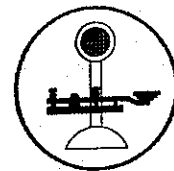
\$100 GIFT CERTIFICATE TO HRO \$90.
DAIWA 520 SWR/power meter, x-needle type
160-2 meters, \$35. Tracy WB6TMY 527-8124.

Sonoma County Radio Amateurs, Inc.
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Santa Rosa, CA 95402

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SHORT SKIP



Sonoma County Radio Amateurs, Inc.

Club Station
W6LFFJ

P.O. Box 116
Santa Rosa, CA 95402

Repeater Station
WB6PVS

VOL 15 # 1

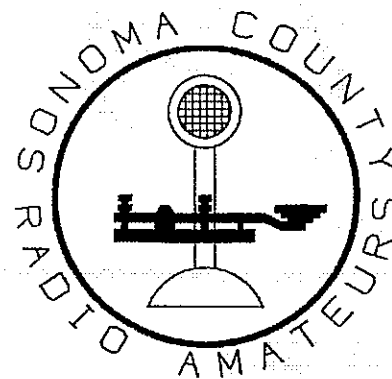
JANUARY 1990



Member of the Year Jim Pelmulder N6PTM.



Tracy Reese WB6TMY receiving an award for meritorious service from Hank W6DTV.
Also receiving awards were Bob Sones WB6EKV, Jim Rutherford WB6PER, and Bob Olsten WD6DPE.



OFFICERS FOR 1990

PRESIDENT: John Wallack W6TLK 833-1873
VICE PRESIDENT: Jim Pelmulder N6PTM 823-7947
SECRETARY: Alan Bloom N1AL 538-7115
TREASURER: Philip Gaul KC6BSI 544-2572
MEMBERS-AT-LARGE: Chuck Sabin N6DDK 795-2371
 John Breckenridge WB6FRZ 838-6398
ACTIVITIES CHAIR: Chuck Sabin N6DDK 795-2371

SHORT SKIP STAFF:

EDITOR: Alan Bloom N1AL (e) 538-7115
 1578 Los Alamos Rd, Santa Rosa, CA 95405 (d) 577-3981
CIRCULATION MGR: Tracy Reese WB6TMY
SWAP SHOP: Hank Davis W6DTV 823-7885

ARRL LIASON: Alan Bloom N1AL 538-7115
ASST. DIRECTOR: Chuck Sabin N6DDK 795-2371
BADGE CHAIRMAN: Philip Gaul KC6BSI 544-2572
CLUB HISTORIAN: Connie Freitas N6FYV

ACTIVITIES COMMITTEE:

PUBLIC SERVICE: Bill Splaine N6GHG 431-8636
PROGRAMS: (OPEN)
FIELD DAY: Don Boosinger KD6HQ 546-1217
EDUCATION: Tracy Reese WB6TMY 527-8124
WA6ACX WW6D WA8LLY WB6PDP W6TLK WB6TMY KF6WV
TVI/RFI: John Lynch W6CCY 823-1357
AWARDS: Steve Lund WA8LLY 823-4544
VEC EXAMS: Steve Lund WA8LLY 823-4544
 WA6ACX N1AL K6ANP AG6C WD6CKP WN6D WW6D
 W6DTV WW6F WB6FRZ KF6FX W6RIA WB6UDR WU6W
REFRESHMENTS @ MEETINGS: Bob Olsten WD6DPE
GREETER AT MEETINGS: Jane Vanderslice N6NTB
MEMBERSHIP LOTTERY: Bob Scolnick K6GEV
QSL MANAGER: Doug Bender WW6D

REPEATER CONTROL OP'S:

WD6CKP Hoppy 542-6750 N6ONZ Garry 584-3425
 WB6PER Jim 526-2972 W6TLK John 833-1873
 WB6UAZ Kathi 544-7943 WN6D Jim 544-7943
 N6PTM Jim 823-7947
PACKET COMM: A1 N1AL, Jim WN6D, Rich KA6SSL

SHORT SKIP ADVERTISING RATES:

Business cards: \$10

\$11 First 1/4 Column
 \$3 Additional 1/4 Columns
 (\$32 Full Page, 1 side)

Pre-printed inserts: \$32/sheet

Guaranteed circulation: 200/month
 AD DEADLINE: 15th of previous month

ARE YOU NOT AN SCRA MEMBER?

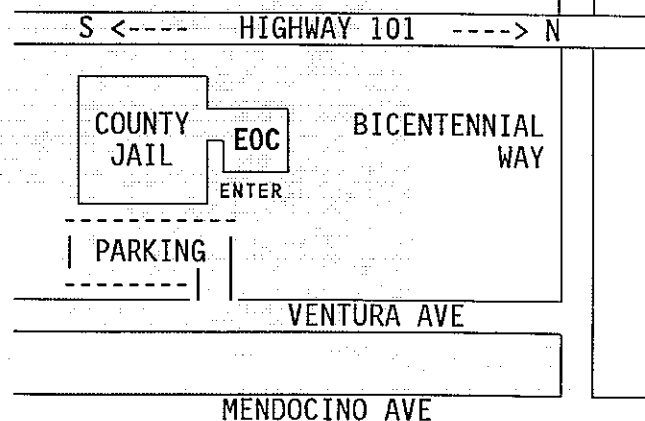
IF SO, then this is a complimentary copy. Our club is involved with almost every area of Amateur Radio: Repeaters (13/73), Field Day, license classes (Novice through Extra), volunteer exams, RACES, DX programs, packet (145.03), hidden xmtr hunts -- you name it. We invite you to attend our next monthly meeting (see below) or check into the Tuesday night SCARS net on the 146.13/73 repeater at 7:00 PM. You will hear the latest Westlink Amateur Radio News broadcast, announcements of SCRA activities, and a Swap Shop. If you would like to join SCRA, please refer to the dues listed below. Hope to have an "eyeball" QSO with you at the next meeting! 73 ...

CLUB MEETINGS:

7:30 PM, 1st Wednesday each month at the EOC (Emergency Operations Center, see map below). All are welcome to attend.

NEXT MEETING: January 3, 1990

DUES: \$12 per year, plus a one-time \$4.00 initiation fee. Dues are pro-rated \$1/month for new members. With membership, comes an SCRA call/name badge. Family membership: \$18



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 (602) 242-3515

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 IS-800 at 23rd Ave. Ramp

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Al's amendment passed with 2 dissenting votes, and Glen's original motion, as amended, passed unanimously.

AWARDS: Hank W6DTV passed out meritorius service awards to Bob Sones WB6EKV for his Public Service work, to Jim Rutherford WB6PER for Repeater Chairman, to Bob Olsten for faithfully procuring the coffee and donuts, and to Tracy WB6TMY for folding, stapling, and mutilating *Short Skip*.

Sarah N6FAX presented the **MEMBER OF THE YEAR** award to Jim Pelmulder N6PTM for his many contributions to the club in the past year.

CLUB MEETING DATES: Glen N6DNB pointed out that it would make more sense to have the Board of Directors meeting BEFORE the club meeting rather than after. How about swapping the dates, and making the club meeting the SECOND Wednesday of the month? Hank proposed keeping the club meeting the same and moving the Board meeting to the last Wednesday of the month, which seemed to make a lot of sense to everybody.

DF UNIT: The club voted to take WB6PER's motion from the table (m/s WB6PER/ WD6CKP). Discussion included further revelations of the details of the interference we have been receiving. Garry's motion to amend was voted down (5 votes in favor). Then the club passed WB6PER's original motion on a vote of 29 to 18.

PRIZES: The \$100 gift certificate to HRO was won by WB6TMY. Merry Christmas, Tracy! \$50 gift certificates were won by K6KZ, WA6ACX, and WA8LLY. Other gifts included books and goodie boxes from W6CCY.

FIELD DAY tentatively will be at the Healdsburg Salvation Army facility. KD6HQ reports that their 600-acre site includes 2 hilltops (one for CW, one for phone) with WC facilities down the hill.

AUTOPATCH RESTRICTIONS: To avoid a repeat of the problems we have been having, the Board has voted the following autopatch policy: Emergency autoslots (9*1, etc.) will be enabled 24 hours a day. Members' autoslots will be on during the day, off at night. Other autopatch use will require you to call a control operator to enable it.

FREE TUBES: WB6SMY has about 1500 vacuum tubes. If you have a construction project that requires tubes, call Lyman at 833-2000.

RUSS N6KMJ is in Palm Drive Hospital, according to Connie N6FYV.

FLOYD WHITFIELD K6KQJ passed away Wednesday night. 73, OM.

Since this was the last meeting of 1989, the **MEMBERSHIP RAFFLE** was drawn until a winner was present. Losers: W6LCZ, W6KTT, WB6BPA, KB6UWX & KB6UXA. Winner: (almost \$50) N6RXA.

The meeting WAS adjourned, but the Secretary neglected to record the motion.

Respectfully submitted Sec. Al Bloom N1AL ■

TREASURER'S REPORT



FOR MONTH ENDING November 30, 1989

ACCOUNT	REVENUE	EXPENSE
Activities (Xmas meeting) ..		250.00
Refreshments at meetings ..	7.35	7.20
Dues and Initiations	24.00	
Fund-Raisers (Flea Market).		100.00
(ARRL).....	75.00	66.00
Badges	4.00	
Misc	(Donation)	100.00
Repeater	7.50	
Short Skip Newsletter		20.00
Westlink Report		16.23
	117.85	559.43

ASSETS:

General Fund Account	1213.64	
Cash/checks on hand	222.27	
Total General Fund	1435.91	
Total Repeater Fund	1785.07	de N6PTM

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NEW AUTOPATCH SETUP



Due to the recent troubles caused by misuse of the autopatch, it is now necessary to call a control operator to use the autopatch in "normal" mode.

The members' personal autoslot numbers will be available without a control operator until approximately 9 PM. When you hear the dual-tone "Bah-beep" courtesy tone in the evening, that means the autoslots are turned off. They will be turned on again when the first control operator gets up each morning.

To summarize:

EMERGENCY AUTOSLOTS (9*1 etc.): Always ON.

MEMBERS' AUTOSLOTS: On in the daytime.

REGULAR AUTOPATCH: Must be enabled by a control operator.

The 9*0 emergency autoslot no longer dials the operator (for obvious reasons). The plan is to use it for calling the AAA road service number. All other 9* numbers are as before.

SCRA —

I want to express my appreciation of the expanded drawing at the Christmas meeting. I'll be using the \$50 gift certificate to buy a Heil boom mike/headset for use with my IC-735.

- 73 Steve WA8LLY ■

STOLEN: IC28H

This is a 40 watt 2 meter FM transceiver, serial # 012085, stolen from N6PHN's car parked in his driveway. 544-4893. ■

10 YEARS AGO

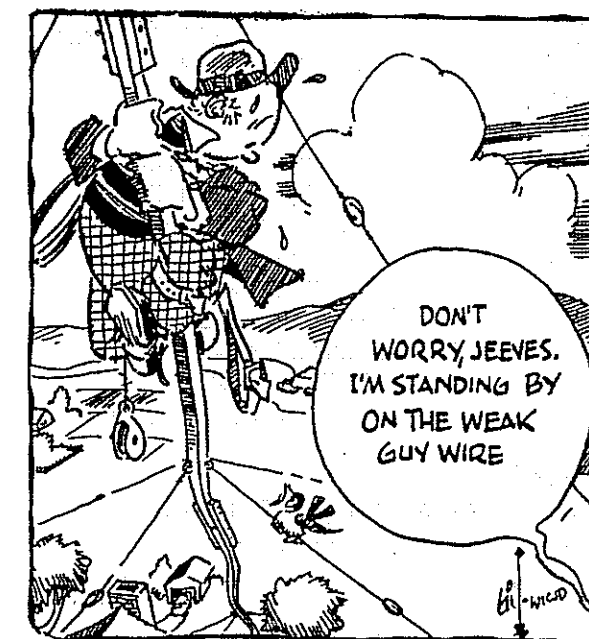
IN SHORT SKIP



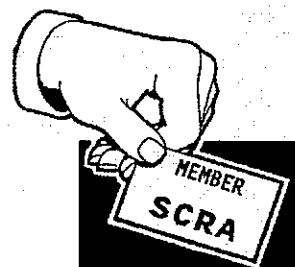
The January 1980 issue of *Short Skip* inaugurated the new decade with a bang. The lead article was "Alcatraz Invasion", a description of the December mini-dxpedition by SCRA club members to Alcatraz Island. This article was later reprinted in *Ham Radio Horizons* magazine.

"A Refresher" was the title of an electronics quiz, complete with schematics. There were bio's of KB6LO and W6DTV, with QSL cards. (These are good ideas for articles in our current *Short Skip* -- any takers?)

50 radiograms were originated at the Christmas message center at K-Mart. Operators/helpers were Jim W6CYM, Don KB6LO, and Don & Rob Shedore. Relaying stations were Sam W6NL and Hoppy WD6CKP. ■



NEW AND RENEWED MEMBERS



SINCE LAST MONTH

George Wenzlaff PO Box 491 Occidental, CA 95465 874-2713	Vince T. Migliore N6UMC 1525 Peterson Lane Santa Rosa, CA 95403 538-7152
Ron Castro N6AHA 152 Banff Way Petaluma, CA 94954 763-4273	Mark Burnell KB6ZOL & Family 150 Pope Court Santa Rosa, CA 95405 575-5332
Norma Kerwin KAINVR PO Box 1309 Forestville, CA 95436 887-7843	We now have 189 members. ■



COMING EVENTS:

SCARS NET: 146.73 MHz
Tuesdays at 7 PM.

VE EXAMS HOTLINE NR:
408-984-8353

JANUARY:

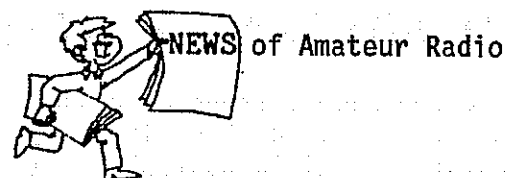
- Dec 31-Jan 1 - Straight Key Night
- 1 - RACES etc. Net, 7:30 PM
- 3 - SCRA meeting 7/7:30 PM
- 3 - ARRL RTTY Roundup
- 15 - RACES etc. Net, 7:30 PM
- 18 - CDF/VIP Meeting 7:30 PM
- 20-22 - ARRL VHF Sweepstakes
- 26-28 - CQWW 160M Test, CW
- Jan 27-Feb 4 - ARRL Novice Roundup

FEBRUARY:

- 7 - SCRA meeting 7/7:30 PM
- 17-18 - ARRL DX Contest, CW

MARCH:

- 1 - 1987 DUES PAYABLE!
- 3-4 - ARRL DX Contest, Phone



SAREX-90 stands for "Shuttle Amateur Radio Experiments in 1990. STS-35, Space Shuttle *Columbia*, lifts off April 26 with Dr. Ron Parise WA4SIR operating voice and packet. STS-37 *Atlantis* goes up June 4 with Lt. Col. Ken Cameron KB5AWP on voice, packet SSTV and ATV. Both flights will use 2 meters. School participation is the prime objective.

TWO NEW DXCC COUNTRIES, Conway (3D2) and Banaba (T33) are now valid. Submit cards after March 1, 1990.

RADIO AMATEUR CALLBOOK SOLD -- the company, not the book. RAI, Inc. has published the *Callbook* since 1920. On Oct 27, it was sold to BPI Communications, Inc, publishers of the *World Radio TV Handbook*, a well-known publication for short wave listeners.

Tnx to the ARRL Letter for the above info. ■

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SCRA MINUTES

December 6, 1989



The meeting was called to order by President Glenn Crownover N6DNB at 7:32 PM. Other officers present were VP John Wallack W6TLK, Sec. Al Bloom N1AL, Treas. Jim Peimulder N6PTM, Repeater Chr. Jim Rutherford WB6PER & Mbrs-at-Large Bob Olsten WD6DPE and Chuck Sabin N6DDK. 68 people were present, at least 56 of whom were paid-up SCRA members.

Jane N6NTB introduced the **VISITORS**. A **NEW CALL** since last meeting is KK6CJ.

The **TREASURER'S REPORT** was approved: The General Fund was \$1435.91 and the Repeater Fund was \$1785.07 on Nov 30. m/s N6DDK/KD6HQ

The 1990 **INSURANCE** premium is due: \$310. The club voted to pay it. m/s N6PTM/N1AL.

REPEATER COMMITTEE: Jim WB6PER gave a year-end report. The machine has worked pretty well -- most problems did not last long. Our machine has been checked several times, but no work was needed.

DF UNIT: Jim reported that in the last few months, we have had lots of unidentified transmissions and (unidentified) misuse of the autopatch. 146.73, whether we like it or not, is a wide-area repeater with increasing visibility around the Bay Area. The County's long-distance phone bills have been mounting and the Director of Communications is unhappy about the misuse. Jim made the following motion: (/s N6ONZ)

The Board of Directors is hereby granted authority to spend \$1000 from the Repeater Fund for the purchase of a new, state-of-the-art direction finder such as model DDF4003 and mobile antenna system model DDF4060 by Doppler Systems, Inc. This purchase should be made as soon as possible.

This direction-finding system shall be delivered to, maintained by, and used by the authority of the Repeater Chairman and the Board of Directors. Because of the secretive nature of signal-tracking operations, the Repeater Chairman alone shall select members for, and administer these operations.

The Repeater Chairman and members of this Interference Committee shall cooperate with and provide information to the local interference committee formed with the authority of the ARRL Section Manager and the FCC. No other repeater interference committee shall exist within the club.

Garry N6ONZ moved (/s N6SRH) to change Jim's second paragraph to read:

This direction-finding system shall be available to the Repeater Chairman for interference and signal-tracking operations, and shall also be available for use by club members or other clubs and organizations with Board of Directors' approval, when not in use by the Repeater Chairman. This equipment shall be returned to the Board of Directors by the Repeater Chairman or any other approved person when not in use. When this equipment is to be used for extended periods of time, it shall be presented to the Board of Directors every six months for inspection. SCRA shall be responsible for all maintenance and repairs to the above equipment, except when the equipment is used by another club or organization, which shall be fully responsible for any damage incurred while in their possession. Because of the secretive nature of interference signal tracking, the Board of Directors shall establish an Interference Committee which shall operate under the direction of the Repeater Chairman.

After much further discussion, the club voted to table the motions. m/s K6KZ/KD6HQ

ELECTIONS: John W6TLK presented the nominations of the Nominating Committee. For each position, nominations were solicited from the floor and a motion was passed to close the nominations:

POSITION	NOMINEE	CLOSE NOM'S MOVED/SECONDED
TREASURER:	KC6BSI	K6GEV/KC6CYG
SECRETARY:	N1AL	K6GEV/N6RXA
VICE PRESIDENT:	N6PTM	N6RXA/WB6SMY
PRESIDENT:	W6TLK	K6GEV/N6SRH
MBRS-AT-LARGE:	N6DDK WD6DPE	K6GEV/N6SRH

An additional Member-at-Large nomination was received from the floor: WB6FRZ. m/s W6DTV/N6FAX

A secret ballot was held for the two Member-at-Large slots. The winners were N6DDK and WB6FRZ. The club then voted unanimously in favor of electing all the previous nominees.

PUBLIC SERVICE: Bob WB6EKV finally received the T-shirts for the Multiple Sclerosis run.

After coffee and cake, Glen N6DNB proposed a **BYLAW AMENDMENT:** (/s WB6PER)

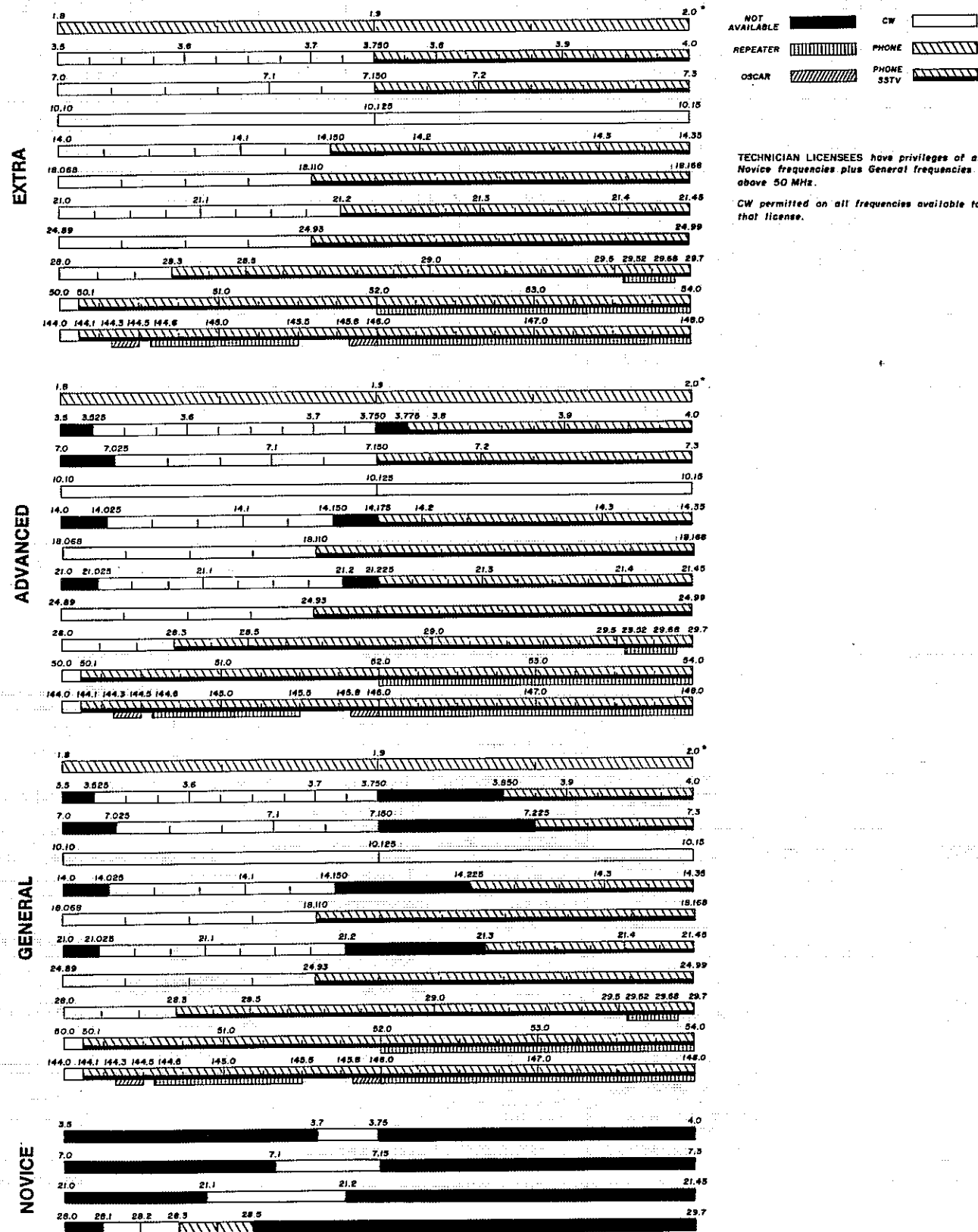
Replace Bylaw #6 with "The voting membership present at a general meeting shall constitute a quorum. Four voting Directors shall constitute a quorum of the Board."

Al N1AL moved (/s N6ONZ) to amend the amendment to read:

"One tenth of the voting membership shall constitute a quorum at general meetings. One half of the voting Directors shall constitute a quorum of the Board."

(NEXT PAGE)

HAM RADIO Frequency Spectrum Chart



NOVICE CLASS operators are also permitted digital modes, CW and RTTY, on 28.1-28.3 MHz; all modes on 222.1-223.91 MHz, 25 watts PEP; all modes 1270-1295 MHz 5 watts PEP.

PACKET STATISTICS AS OF NOV 1

(Tx ARRL Gateway)



The following is from K4NGC's list of Packet Bulletin Board Systems (PBBS) and Digi-peaters in the United States as of Nov 1:

	PBBS	Digipeater	Total	US %
Calif	169	146	315	9.63%
USA	1686	1584	3271	100%

PACKET IN THE EARTHQUAKE

Lew Jenkins, sysop of one of the PBBS's of the Northern California Packet Assn's packet system, had these thoughts about the network's performance in the earthquake:

- o Have a network backup plan in place in anticipation of emergency situations.
- o While packet is well designed to handle large volumes of health and welfare traffic, tactical emergency communication is better handled by voice.
- o Packet radio networks can respond better than any other Amateur mode to changes in the emergency situation. Members of NCPA completely rerouted traffic throughout the entire system in less than 3 hours.
- o We need an emergency bulletin designator to be used only in extreme emergencies.
- o Every Amateur using PBBS's should know packet NTS (National Traffic System) procedures. After the earthquake, we needed as many packet-equipped hams as possible to handle traffic.
- o All NTS traffic should be ZIP-code routed. A major problem was incorrectly addressed or unaddressed traffic requiring manual intervention.

Lew feels the San Francisco earthquake was "the first great test for this new packet-radio technology" and it passed with flying colors. As of Oct 21, approximately 3000 H&W messages were posted on the N6VV PBBS and 2200 of them had been delivered.



THE ARRL: ON TARGET

by Burt Hicks WB6MQV, Editor *Westlink Report*

We get a little tired of all the brea-t-beating that goes on when Amateur Radio has an occasional victory. Considering how apathetic we are as a group, it's amazing how much energy people will expend to claim credit for success. It annoys us that some individuals are coming out of the woodwork to claim responsibility for beating the unwarranted taxation on Radio Amateurs, in light of the facts which show this to be an ARRL triumph for the Amateur Radio Service.

No matter what you may read or hear elsewhere, the simple truth is that beating back the imposition of fees required both an ongoing and astute political presence on Capitol Hill and the backing of an armada of devoted members. It is rare for Washington to be responsive to an individual who cannot show the backing of a national organization. In Amateur Radio, we have only one of these: the American Radio Relay League.

The manufacturers and importers of Amateur gear didn't beat back this tax, and for all his decades of rhetoric, Wayne Green W2NSD of *73 Magazine* did not go to Capitol Hill to lobby against it. And, by his own admission, Fred Maia of the *W5YI Report*, who, in his November 15th issue would have you believe that he is at least partly responsible for killing Amateur Radio fees, says he only wrote a few letters to key legislators. And where was the National Amateur Radio Assoc. in all of this? A year ago NARA was making big news and bigger waves pushing for No-Code. Where was it when the fee issue hit?

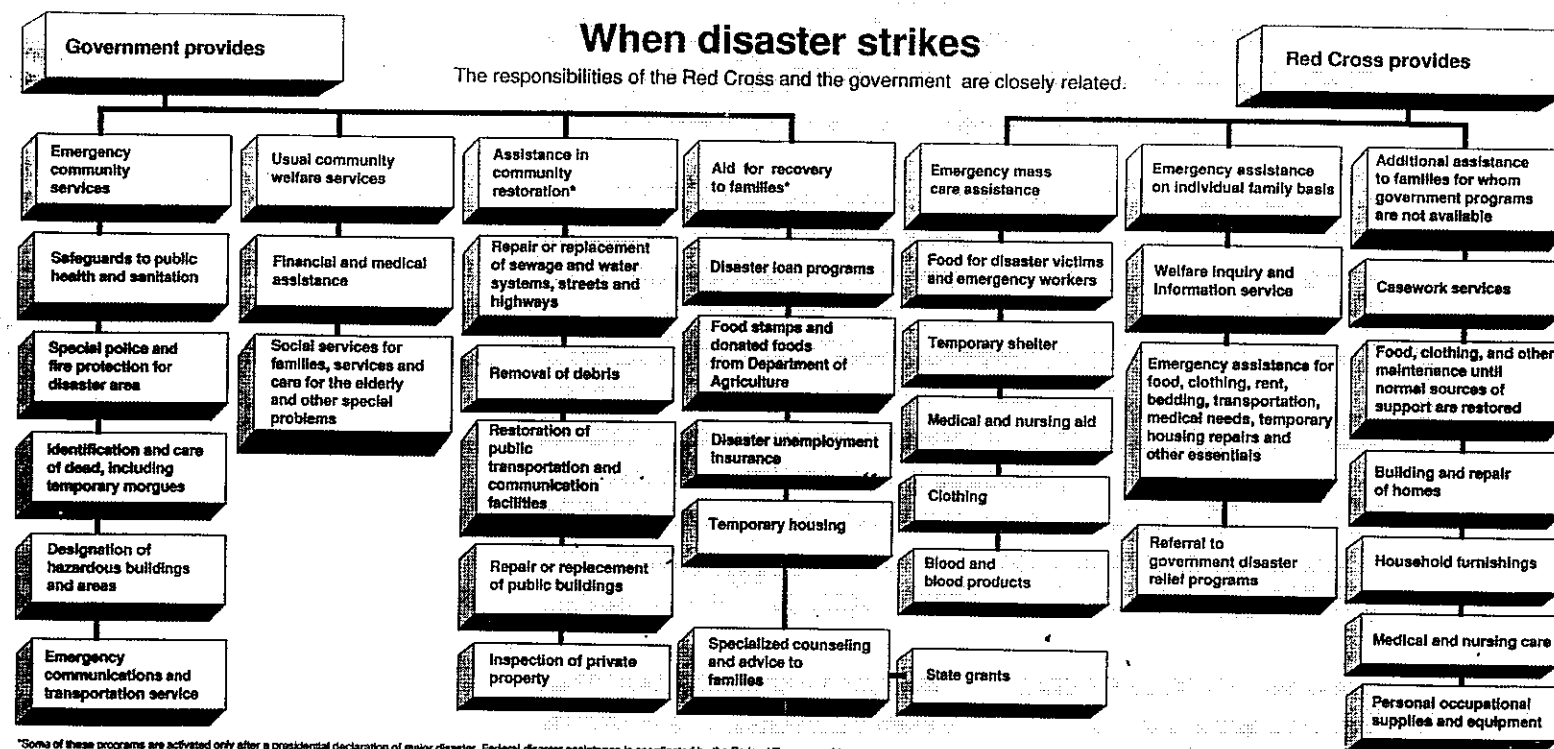
Bottom line: there exists no club, publication, or volunteer group within Amateur Radio that holds the base of support of the ARRL. For anyone else to make such a claim is absurd! When the ARRL goofs up, we are among the first to point it out. This time, we are very pleased to be able to say that we have witnessed an excellent example of the American Radio Relay League at its best. The service might not be able to exist without it. If you are not a League member, maybe this is an opportune time to join.

VLF WORLD TIME STATIONS SORTED BY FREQUENCY

Station	Power	Std Freq	Accr'cy	DUT1			
Call Sign	Approximate Location	Latitude Longitude	Carrier Power (kw)	Carrier (KHz) Mod (Hz)	Parts 9 in 10		
GBR(1) (31)	Rugby, UK	52 22'N 01 11'W	750 60(2)	15.95 16.00	1(9) (9)	+/-0.02	CCIR code by dble pulse
NDT(1) (32)	Yosami, Jap	34 58'N 137 01'E	40(2)	17.4	nil	+/-0.1	
NAA(1) (22) (32)	Cutler, ME USA	44 38'N 67 17'W	2000 1000(2)	17.8	nil	+/-0.1	
NLK(1) (32)	Jim Creek, Wash., USA	48 12'N 121 55'W	1200 130(2)	18.6	nil	+/-0.1	
UQC3	Khabarovsk, USSR	48 30'N 134 51'E	300	26.6 25.1 25.5 23.0 20.5	1,10, 40 (42)		
UTR3	Gorky, USSR	56 11'N 43 58'E	300	25.0 25.1 25.5 23.0 20.5	1,10, 40 (42)		
NSS(1) (32)	Annapolis, MD, USA	38 59'N 76 27'W	1000 400(2)	21.4	nil	+/-0.1	
NWC(1) (22) (32)	North West Cape, Astrla	21 49'S 114 10'E	1000(2)	22.3	nil	+/-0.1	
NPM(1) (22) (32)	Lualualei HI, USA	21 25'N 158 09'W	1000 630(2)	23.4	nil	+/-0.1	
JJF-2(1) JG2AS	Sanwa, Sashima, Ibaraki, Jap	36 11'N 139 51'E	10	40	1 (21)	+/-0.1	
OMA	Podebrady, CZECH., SR	50 08'N 15 08'E	5	50	1 (90)	+/-10	No DUT1 trans
RTZ(1)	Irkutsk USSR	52 18'N 104 18'E	10	50	1; 10	+/-0.1	CCIR Code by dble pls(41)
MSF	Rugby UK	52 22'N 01 11'W	25(2)	60	1 (12)	+/-0.02	CCIR Code dble pulse
WWVB(1)	Ft Collins CO, USA	40 40'N 105 03'W	13(2)	60	1 (3)	+/-0.1	No CCIR code

Station	Power	Std Freq	Accr'cy	DUT1
RBU(1) Moskva, USSR	10	55 19'N 38 41'E	66 2/3 1; 10	+/-0.1 CCIR Code by pulse(41)
HBG(39) Prangins Switz	20	46 24'N 06 15'E	75 1 (28)	+/-0.2 No DUT1 trans
DCF77(1) Mainflingen FR Germany	20	50 01'N 09 00'E	77.5 1	+/- 0.005 No DUT1 trans
? Donebach, FR Germany	250	49 34'N 09 11'E	151 nil	+/-0.5
? Allouis, France	1000 to 2000	47 10'N 02 12'E	163 nil 84(33)	+/-0.1
? Droitwich, UK	400	52 16'N 02 09'W	200 nil	+/-0.2
RW-166 Irkutsk, USSR	40	52 18'N 104 18'E	200	+/-0.1

Tnx WA2ISE via KA2RAF and Unix Notes.



*Some of these programs are activated only after a presidential declaration of major disaster. Federal disaster assistance is coordinated by the Federal Emergency Management Agency (FEMA).
Source: Red Cross