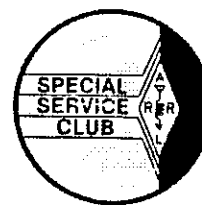


SHORT SKIP

Sonoma County Radio Amateurs, Inc.



MARCH 1986

Club Station

W6LFJ

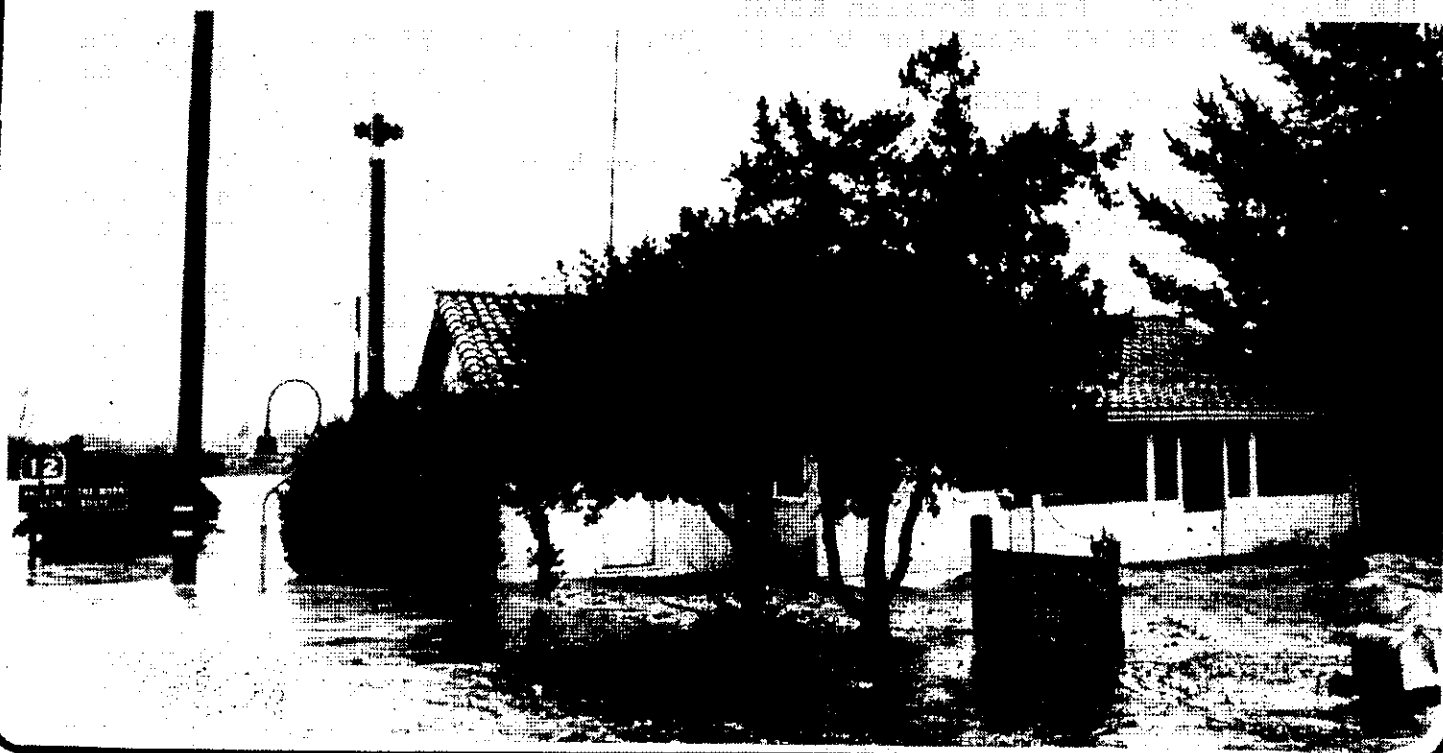
P.O. Box 116

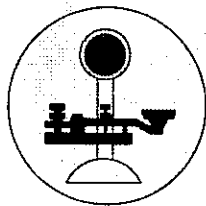
Santa Rosa, CA 95402

Repeater Station

WB6PVS

VOL 11 # 3





-----OFFICERS FOR 1986:-----

PRESIDENT:	George Shedore	KS6W	838-6102
VICE PRES.:	Bob Olsten	WD6DPE	546-5593
SECRETARY:	Marie Mappus	N6KUS	664-1978
TREASURER:	Ed Goei	KA5LGC	579-1681
REPEATER CHAIR:	Phil Copenhauver	N6KZS	542-2218
ACTIVITIES CHAIR:	Steve Schaffer	KD6GC	546-8860
MEMBER-AT-LARGE:	Warren Klinger	WB6RHP	632-5459

-----SHORT SKIP STAFF:-----

EDITOR:	Alan Bloom	N1AL (e)	538-7115
	1578 Los Alamos Rd, Santa Rosa, CA	95405 (d)	577-3981
ADVERTISING MGR:	Jim Rutherford	WB6PER	833-6020
CIRCULATION MGR:	Tracy Reese	WB6TMY	
SWAP SHOP:	Hank Davis	W6DTV	823-7885

RACES LIAS: W6DTV & WB6RHP (see above)
 ARRL LIAS: Alan Bloom N1AL 538-7115
 ASST. DIR: Chuck Sabin N6DDK 795-2371
 PUB. RELATIONS:

-----ACTIVITIES COMMITTEE-----
 REFRESHMENTS AT MEETINGS: Bob WD6DPE
 GREETER AT MTGS: May Kobold N6GZV
 RAFFLE: Lyman WB6SMY, N6GZV, Terry WA6RNF
 QSL MANAGER: Doug Bender WA0JRB
 VOL EXAMINERS: W6DTV WA6ACX N1AL

K6ANP N6BLN AG6C WD6CKP WN6D
 WB6FRZ KF6FX WA0JRB WA8LLY KS6W
 EDUCATION: George Shedore KS6W 838-6102
 PROGRAM CHAIRMAN: Bob WD6DPE 546-5593
 HIDDEN XMTR HUNTS: Don Osborne WA6ACX
 WALKATHONS:

FIELD DAY: Gene Johnson W2EBG 578-3104

-----REPEATER COMMITTEE-----
 Alan Bloom N1AL Terry Laduke WA6RNF
 Jim Boyett WN6D Brian Kotzian KE6WL
 Hoppy Bravin WD6CKP (Westlink b'cast)

-----CLUB MEETINGS-----

7:30 PM 1st Wed of each month at the
 Emergency Operations Center (EOC).
 NEXT CLUB MEETING: March 6, 1986
 PROGRAM: Bob Smith NA6T, ARRL SM
 Meetings open to all, member or
 not. Need not be licensed to join.
 Full voting membership for licensed
 Amateurs only. Dues: \$12.00 per year
 plus a one-time \$4.00 initiation fee.
 (Includes call-letter/name badge.)

S <-- Highway 101		<-- N	
Co. Court House	EOC	Bicentennial Way	
Ventura Ave			
Mendocino Ave.			

ARE YOU NOT AN SCRA MEMBER?
 IF SO, then this is a complimentary
 copy. Our club is into almost every
 aspect of amateur radio: repeaters
 (13/73), Field Day, license classes
 (novice/upgrade), volunteer exams,
 RACES, DX programs, packet radio,
 hidden xmtr hunts -- you name it.
 We invite you to attend our next
 monthly meeting (see below) or check
 into the SCARS net on the 146.13/73
 repeater every Tues. night at 7 PM.
 You will hear the latest Westlink
 Amateur Radio news broadcast, SCRA
 announcements, and a Swap Shop. If
 you would like to join SCRA, please
 refer to the dues listed below. 73!

SHORT SKIP ADVERTISING RATES:

Printed Ads: \$7 First 1/4 Column
 \$2 Add'l 1/4 Column
 \$21 Full Page, 1 side

Artwork Ads: \$14 First 1/4 Column
 \$2 Add'l 1/4 Column
 \$28 Full Page, 1 side

Pre-printed inserts: \$28 per sheet
 Guaranteed circulation: 200/month
 AD DEADLINE: 15th of previous month

RADIO SHACK

Store Nr. 3855

Zane Bates, Manager

510 Farmers Lane Telephone
 Santa Rosa, CA 95405 546-8423

FROM THE PRESIDENT'S DESK
"THE STORM OF '86"

HOMEBREW CONTEST

Enough praise cannot be given to those hams who gave of their time, effort and equipment in the recent storms and floods in Sonoma County. Experience has shown that when the need arises, we can pull together as a team and get the job done. Not only did the Russian River set a new record at Guerneville, the number of hams who volunteered also set a new record for Sonoma County RACES. Our new RACES organization is off and running to a good start.

I believe that many of us feel that the day we sign our operator's license for the first time, we take on an obligation to give back something of ourselves to Amateur Radio. Public service is one way of paying our debt. Many thanks for a job well done!

73.

--- KS6W George

TREASURER'S REPORT FOR MONTH ENDING
JANUARY 31, 1986

ACCOUNT	REVENUE	EXPENSE
ARRL Membership	4.00	
Club Picnic	44.61	
Coffee & Donuts	.73	
Dues & Initiations	266.00	
Raffle	6.98	
Insurance		333.50
Misc.	55.50	
Short Skip		164.64
Secretary's Expense		22.58
VEC Program		9.10
	<u>377.82</u>	<u>529.82</u>
NET LOSS:		152.00
ASSETS:		
Cash not deposited:		37.00
General Acct (Exchange Bank)		906.47
Rptr Fund (Northbay Savings)		2054.22

TOTAL ASSETS:		2997.69

Bring your latest creation to the April meeting for the fifth annual SCRA Homebrew Contest. You do not have to be an electrical engineer to win this one. (See Judging criteria)

RULES

1. Contest for SCRA members only.
2. Schematics or program listings should be supplied if possible.
3. Three Award Categories:
 - Made from "scratch".
 - Made from a kit.
 - Computer hardware/software
4. Project must be amateur-radio related.
5. The equipment or program listing must be brought to club meeting on contest night. Exceptions will be made for large projects, such as antennas. In such cases bring photos or other documents.
6. Proof of operation = plugging the gear in and operating it. Otherwise submit test data to show that it works as intended.
7. The winner receives a certificate and has his name engraved on the homebrew contest plaque.

Judging criteria are weighted as follows: Circuit complexity and sophistication: 15, Novelty/ingenuity/economy: 10, Proof of operation: 15, Utility & operating convenience: 10, Neatness, appearance, workmanship: 20, Use of surplus/readily available parts: 15, Judges discretion: 15. Total 100.

LOCAL RACES NETS:

Sebastopol:	146.49
Santa Rosa:	146.94
Petaluma:	146.52
North County:	146.52
(Windsor-Cloverdale)	
Coast:	145.17
Sonoma:	147.47

All nets meet at 7:00 PM the first and third Mondays of each month. Anyone is invited to check in and find out more about RACES.

MINUTES OF THE GENERAL MEETING OF SCRA, FEBRUARY 5, 1986

Elected officers present: President George Shedore KS6W, Vice President Bob Olsten WB6DPE, Secretary Marie Mappus N6KUS, Treasurer Ed Goei KA5LGC, Member at Large Warren Klinger WB6RHP, Repeater Chair. Phil Copenhauer N6KZS, Short Skip Ed. Al Bloom N1AL.

Visitors present: Jay Horn, Doug Dorman WA6QCL, Ken Rossi N6MSJ, Bill Kiker KA6JLP. New Calls: Pam Bender.

The General Meeting of the SCRA was called to order by the President, George Shedore KS6W, at 7:45 PM.

Bob Olsten WB6DPE gave an interesting presentation about his experiences as a telegrapher with Pacific T&T. There was a discussion with other members of the club who added their reminiscences. There was also a display of old telegrapher keys and other equipment.

Marie N6KUS read a letter from the Diabetes Association thanking the Club for their participation in the Diabetes Run last September.

Ed KA5LGC reported the treasury had \$906.47 in the General Fund and \$2054.22 in the Repeater Fund.

Phil N6KZS reported the new repeater was now in Press Thompson's shop. The club will purchase a new decoder for \$180. There is to be a meeting of the Repeater Committee Thursday at the EOC.

There was a discussion about what to do with the old repeater, and a possible autopatch for the new one. Don WA6ACX wanted to know what role the County would have in controlling the repeater in an emergency. Phil N6KZS advised that the club would still have control over the repeater but a RACES member would assist during the emergency. Al N1AL thought there would be a problem if the repeater was turned off during an emergency. George KS6W stated that a person could always use simplex to get individual help.

George KS6W and Russ N6KMJ stated that the new Novice class will begin Monday Feb 10 at 7:00 PM at the EOC and will last 10-12 weeks. To date 6 people have signed up for the class.

A motion was made to appoint Steve Shaffer KD6GC Activities Chair. The membership unanimously approved the appointment. The motion was made by Russ N6KMJ and seconded by Jim WN6D.

George KS6W announced that the position of Public Services Chair. is open. Rudy N6KUS resigned due to other commitments.

Hank W6DTV reported that a RACES meeting would be held next week. So far no RACES officers have been appointed. Training is needed for new people joining RACES.

Don Bussinger KD6HQ was appointed Homebrew Chair. The contest will be held in April. Entries are to be placed in one of three categories. They are entries made from plans, kits that are put together, and Computers, both hardware and software. Terry Laduke has been chosen as one of the judges. The judging is to be based on seven categories. (1) Circuit complexity, (2) novelty, (3) proof of operation, (4) utility or operating convenience, (5) neatness of appearance, (6) use of readily-available parts, and (7) judges discretion. The award will be a certificate, their name engraved on the club plaque and mention of their achievement in Short Skip. Entry blanks will be placed in Short Skip for all interested parties.

Hank W6DTV brought an interesting display of old books about ham radio. He stated that many of the books were older than a lot of the club members. There were many favorable comments regarding this display.

Ron WB6NBR of the REDX club attended the meeting to toss the gauntlet to George KS6W regarding a Field Day challenge. Ron stated that he would be willing to operate under certain handicaps, since the DX club members

were more adept at operating radio equipment than the members of SCRA. His stipulations were, (1) they would have 10 or less members operating the ham test period, (2) they would operate for 20 out of the 24 hour contest period, and (3) they would use only 3 transmitters. The SCRA could use as many people as they wished, and have as many transmitters as they wanted for the entire 24 hour period.

George KS6W presented figures showing that the REDX club surpassed the SCRA in the number of points earned at Field Day over the last three years and asked for a handicap of 3000 points. Hank W6DTV stated that last year the Lower Powered Hams with only ten people made more contacts than the rest of the SCRA group.

OLD BUSINESS: George KS6W informed the club that the cost of liability insurance for the club had increased from \$90 a year to \$341 and that this information was not received in time for discussion at the last general meeting. Consequently the Board declared an emergency and authorized the Treasurer to pay the premium since there was a Jan 31 deadline. He further informed the club that the premium due date had been changed to Dec 31 and that another premium will be due this calendar year.

NEW BUSINESS: Al N1AL stated that ARRL will continue to give a \$5 rebate for new members and that the club will also receive \$2 for each renewal made through the club.

He further stated that we are working for non-profit status with both the IRS and the State. To accomplish this we need to change the constitution to avoid being considered a social group. Al N1AL submitted a number of recommended changes to accomplish this objective. The Board will discuss additional changes to the Constitution at the next general meeting. The proposed changes will be printed in the next issue of Short Skip and voted on by the membership at the March general meeting.

George KS6W stated that the Board approved the following items: (1) that in conjunction with the member of the year award a member of the month certificate be given to persons who make an outstanding contribution to the club during the month. Lyman WB6SMY made a motion to approve the recommendation and Russ N6KMJ seconded it. Brian KE6WL thought there should be more than one person receiving the award if the circumstances necessitated this. Don WA6ACX thought it should be entitled a Certificate of Recognition. Doug Dorman offered to give the club a package of Certificates of Recognition.

George KS6W recommended that plaques be given to other Board members at the Christmas Party in recognition of their contribution to the club. Rudy N6KLU suggested that a Board member be required to serve for a period of no less than 9 months before being eligible. The club agreed to both recommendations.

The Board agreed to grandfather in all new members as of Jan 1 1986 and grant immediate voting privileges.

Sarah N6FAX was concerned that members who had not paid their dues the previous year would be granted newcomer status if they joined prior to March 1 and have their dues pro-rated to the end of the year. Assurances were given that pro-rated dues were only for new members and that rejoining members were required to pay the full year even if they joined any time prior to January 1 (see Grandfather motion above.)

The meeting was adjourned at 9:55.

Respectfully submitted by Marie Mappus N6KUS.

PROPOSED CHANGES TO SCRA CONSTITUTION

These should be non-controversial editorial changes that will, among other things, make our non-profit character more apparent. They will be voted upon as one motion at the March meeting. There will also be a number of more fundamental changes proposed at that meeting to be voted upon in April. (Deleted material is marked by ~~strikeouts~~.)

ARTICLE II, #1. "To promote interest in Amateur Radio and ~~cultivate a closer fellowship among Radio Amateurs.~~" Substitute: ", electronics technology, and communications practice"

#2. "To assist fellow Amateurs in development of the radio art." Add: ", and to provide educational opportunities to both Amateurs and non-Amateurs interested in radio communications."

#5. "To provide better communication through all phases of Amateur operation, including radio repeaters." Insert after "including": "but not limited to"

Add new paragraph #7: "No substantial part of the activities of this corporation shall attempt to influence legislation, and no activities shall involve intervention or participation in any political campaign on behalf of any candidate for public office."

ARTICLE IV, #3 "Chairmanship of the Board shall be decided by the seven members of the Board of Directors." Change to: "The President shall chair the Board."

Add new #5: "The Board may appoint persons to fill vacant positions on the Board until a special election is held as provided for in the bylaws."

ARTICLE V, #1d: "To appoint committee members and chairmen, excepting the Repeater and Activities Committees and their subcommittees." Insert after "appoint": "SCRA station trustees, and".

#3 (Duties of the Secretary) Delete: "e. To announce new members at each regular club meeting."

#4 (Duties of the Treasurer), e. "To present all financial records to the Board annually for audit." Add: ", and to prepare a proposed budget for the next year's Board."

#5 (Duties of the Repeater Chairman), e: "To ensure that proper technical records of repeater equipment, such as schematics, logs of changes, correspondence directly related to repeater maintenance, alignment data, and instruction manuals are maintained and kept current."

Add new #5k: "To maintain liason with the generally-recognized area repeater council."

#6 (Activities Chairman): Delete e: "To promote activities that encourage good fellowship among club members." Renumber f-j to e-i.

#6f (will be 6e): "To provide informative and entertaining presentations at club meetings." Replace with "To provide educational presentations at all general meetings."

ARTICLE VI, #1: "If at any time it is felt that an officer or director is not properly fulfilling his/her position, a special meeting of the Board shall be called by any two Board members. ~~At that time the erring officer or director shall present his/her case...~~" Insert after first sentence: "All Board members shall be notified of such meeting at least 10 days in advance. The notification shall include the reason for the meeting, including the name of the erring officer. At the meeting,"

#2: Delete "Should the erring officer be the Chairman of the Board, the Board shall elect an interim Chairman for the Board meeting mentioned

in part 1 of this article." Replace with: "Should the erring officer be the President, the Vice President shall preside over the meeting mentioned in part 1 of this article."

ARTICLE VII: "Dues and meeting dates shall be as prescribed in the Bylaws." Add: "All general meetings are open to the public."

ARTICLE IX #1: ~~"Club property shall be issued to club members as authorized by the Board."~~ Change to: "SCRA-owned property shall be loaned to members as authorized by the Board."

#5: "Upon dissolution of this corporation, its assets remaining after payment of all debts and liabilities shall be distributed to appropriate charities as decided by vote of the ~~club~~ membership at that time." Delete "club". Insert after "charities": "that qualify for tax-exempt status under section 501(c)(3) of the Internal Revenue code,"

Add new #6: "No part of the assets or income of this corporation shall inure to the benefit of or be distributable to the members, officers, or any of them, or to other private persons, except that the corporation shall be authorized to make payments and distributions in furtherance of the purposes set forth herein."

-Delete the words "[the] club" and replace with "SCRA" in Article IV #2 (2 places), V 1 a, V 1 c, V 2 d, V 3 a, V 4 a, V 6 d, V 6 h, VI 4 (2 places), VIII, IX, IX 4, X 1, X 5, XI 1, and XI 2.

-Delete the words "[of the] club" in IV 2, V 2 c, V 3 a, V 3 b, V 3 c, V 4 b, V 4 d, and X.

-Replace "club" [meetings] in V 3 b with "general" [meetings].

PROPOSED CHANGES TO SCRA BYLAWS

#1. "The dues for both full and sponsoring members shall be proposed by the Board of Directors at the first Board meeting of each year, subject to the approval of the membership at the ~~next~~ general meeting. Full members under 18 years of age pay one-half full membership dues." Substitute "February" for "next".

#4. "The regular meeting of this organization shall be held on the first Wednesday of each month at 7:30 PM unless otherwise specified by the Board and announced in the club newsletter. ~~The annual Christmas party shall take the place of the regular December meeting.~~" Insert between "month" and "at": "except December"

Delete Bylaws # 5 and # 8 as unnecessary and # 12 as redundant (see proposed change to Article V #1d of Constitution):

#5. ~~"There shall be a club net called each Tuesday evening at 7:00 PM local time on a frequency specified in the club newsletter."~~

#8. ~~"Membership shall be granted to anyone qualifying under Article III of the Constitution and upon payment of current dues and fees to the Treasurer."~~

#12. ~~"The President shall appoint club station trustees."~~

Re-number bylaws 6-18 consecutively (5-15).

Bylaw #6: Delete the words "of the club".

#16. (will be #13): ~~"All club activities shall be open to everyone. At the Christmas party, Field Day, and club picnic, non-members shall be charged 50% more than club members and their immediate families."~~

Replace with: "All SCRA activities shall be open to everyone. At major non-fundraising functions that charge fees, non-members shall be charged 50% more than club members and their immediate families, at the discretion of the Board."

#18. (will be #15): "A specific club activity may be declared closed by the Board of Directors, subject to approval by the general membership at the next regular meeting following such declaration by the Board." Delete "club", and replace "closed" by "for members only".

#19. "CLUB MEMBER OF THE YEAR AWARD:" [One and one-half pages of text]. Delete current text and substitute two new bylaws:

#16. "The Member of the Year Committee shall be made up of three SCRA members. The President shall appoint the Chairman and one other committee member who together will elect the third member. Only the Chairman's name will be made public, at the October general meeting. The other two members will remain anonymous."

#17. "Only persons who have been a voting member of SCRA continuously since the beginning of the fiscal year are eligible for Member of the Year. No person may receive the award more than once every three years."

(Old bylaw #19 will be included in the SCRA "Job Descriptions" under Member of the Year Committee.)

-- Motion by N1AL Feb 5, 1986 meeting

T - E - C - H N - E - W - S EVENTS CALENDAR:

PACKET BULLETIN BOARDS IN CALIF (Dont forget SCARS net every
include: WB5VUL-1 Palo Alto, W6CUS- Tuesday at 7:00 PM on 146.13/73)
1 Richmond, and KD6SQ Cucamonga
(HF/VHF GateWay). (Gateway)

MESSAGES TO N. ARIZONA/S. NEVADA on
packet radio may be sent from the
Bay area via W6AMT, W6AMT-1, W6AMT-
2, W6AMT-3, AA6TN-1, WA7HXO-3 on
145.01 MHz. (Gateway)

THE \$129.95 TNC-2 CLONE from MFJ is
scheduled to be on the shelves
sometime in March. In addition to
the standard RS-232 interface, it
will include a TTL interface for the
C 64 and VIC 20. (Gateway)

IBM PC/CLONE OWNERS can purchase an
internal TNC, software-customized
to operate in the background behind
other applications. In this mode,
the user is alerted to a caller by a
beep on the PC's speaker. Cost:
A&T board w/4 programs & documen-
tation \$199. Bare board w/AX.25
software & assembly info \$75. HAPN,
Box 4466, Station D, Hamilton, Ont.
Canada L8V4S7. (Gateway)

Thanks to ARRL's QEX and Gateway
magazines and W5YI Report for
permission to reprint.

MARCH:
Mar 1/2 - ARRL DX Contest (Phone)
Mar 3 - RACES Nets, 7:00 PM
Mar 5 - SCRA meeting 7:30 PM
- 1986 DUES PAYABLE!
Mar 17 - RACES Nets, 7:00 PM
Mar 20 - CDF VIP Meeting 7:30 PM

APRIL:
Apr 25/27- Dayton Hamvention
Apr 27 - March of Dimes Walkathon

MAY:
May 21 - Fresno Hamfest
- Roseville Flea Market
- Armed Forces Day

JUNE:
Jun 28/29- Field Day

AUGUST:
Aug 20 - ARRL Division Convention
Aug 23 - SCRA Picnic

SEPTEMBER:
Sept 5-7 - ARRL National Convention
San Diego, CA
Sept 20 - SCRA Flea Market

DECEMBER:
Dec 6 - SCRA Christmas Party

VE EXAMS HOTLINE NR: 408-984-8353

N - E - W - S of Amateur Radio

NARC WILL PROPOSE 20 KHZ BANDPLAN at the meeting April 5. President Don Smith W6NKF says that an intensive 1-year effort has come up with a plan that accomodates all current users and even has space for new repeaters. (Westlink)

A NEW REGIONAL REPEATER ASSOCIATION chaired by John Anslow WA6DPJ, and covering the Western U.S. has been proposed by members of NARC. The Pacific Area Coordination Assn. will send an invitation to join and ask for views on how to structure the organization in a letter to be sent to all known Rptr Councils west of the Continental Divide. For info, send a #10 SASE to PACA, POB 23183, Pleasant Hill, CA 94523. (Westlink)

FCC TAKING LONGER TO ISSUE LICENSES. Allow a MINIMUM of 2 months before contacting the VEC or FCC. Allow 3-4 months if you have upgraded twice. (The VEC will hold your 610 form until you submit the previous upgrade license.) (W5YI)

CREDIT FOR PASSING VE WRITTEN EXAMS as well as code would be permitted under FCC Notice of Proposed Rule-making PR 86-63. Comment deadline is April 30, 1986. (ARRL)

THE ARRL BOARD OF DIRECTORS Jan 23/24 voted to petition FCC to eliminate control op. requirements for third party traffic in packet switching networks, to continue talks with FCC about ARRL issuing calls, to petition FCC to require labels on home electronic equipment re RFI susceptibility, to implement a national repeater database (the ARRL will not become involved in certification of coordinators), and to allow awards credit for the 18 and 24 MHz bands. (ARRL)

A NEW 160 METER BANDPLAN was adopted by the ARRL Board of Directors:
 1800-1840 kHz CW/RTTY/Digital
 1840-2000 kHz CW/SSB/SSTV/etc.
 1830-1850 kHz DX Window
 (Intercontinental QSO's only)

6 METERS NOW LEGAL IN GREAT BRITAIN 50-50.5 MHz, 25W erp carrier, 100W erp PEP max, 20 meter ant height, no interference to European TV broadcasting on the 6 meter band. (ARRL)

AS THE SATELLITE SKIES DARKEN TVRO sales have dropped 80% accordiang to W5YI. HBO/Cinemax, Showtime, Disney Channel, CBN, CNN, MTV, Nickelodeon and Playboy channels either are or soon will be scrambled. Soon-to-be scrambled: Many portions of normal network programming. (W5YI)

INSIDE INFO ON WAYNE GREEN W2NSD is provided by W5YI report. When Wayne takes over again as Editor (April issue), in addition to many physical changes (type font, etc.), look for major changes in the masthead: the entire top 73 staff has left for greener (non-Green?) pastures, some for other pubs in the parent company CW/Framingham Publishing Group.

W2NSD, first licensed in 1940, got into the publishing biz with a mimeographed RTTY newsletter named Amateur Radio Frontiers in the early 50's. He later wrote the RTTY column for CQ magazine. [Plus a ham radio column in S9, a CB mag.-Ed] 5 years later (1960) he started 73 as a 1-man operation. His anti-ARRL editorials soon became legendary.

Thinking that small computers were the wave of the future, he started Byte Magazine in 1975 just as home computers started to take off. It remains the biggest & most popular micro-mag today. He lost Byte in a divorce settlement [He had put it in his wife's name to avoid Federal income taxes. - Ed] But he went on to found a dozen other microcomputer-related magazines & companies. He merged with CW/Framingham in 1983 which infused his operations with needed capital.

The most successful of Wayne Green Enterprises' other publications is Digital Audio. (W5YI)

Thanks to The ARRL Letter, Westlink Report, and W5YI Report for permission to reprint.

----- HANK'S SWAP SHOP -----
 Hank Davis W6DTV 7822 Washington Ave
 Sebastopol, CA 95472 823-7885
 (Noncommercial ham ads printed free)

TO RENT: HAM HOME in Arnold CA in a heavily wooded developed area. Fully furnished, 2 BR, 2 bath, cable color TV, elec kitchen, washer/dryer, wood stove. 4000' up in high Sierras with dipoles for 80-10M. \$290/week, \$125/weekend plus refundable \$50 deposit. Don Howard N6KGE 805-485-2718.

HEATH HW-100, power supply, 80-10 M vert. ant. All \$100. W6NTZ 763-9616.

18AVT 80-10 vertical 22' mast, radials \$75. WANT: Trap 4-5 band ant, 1000W low pass filter. WA6PDP Joel 545-0285.

KENWOOD 700A 2 mtr all mode w/VOX, manuals & mike \$200. WB6PER 833-6020

WANT: Small TV rotor for 2 meter size ant. N6MHH 539-6833.

WANT: 7950 mobile mount. N6MHG 527-9267.

KENWOOD 520, ext VFO, AT100 antenna tuner/SWR bridge, mike, manuals \$500. HEATH SB-200 amolifier \$200. Both for \$600. N6DSW 878-2394.

HELP WANTED: No experience required. Will train. Public service is the best way of letting the general public know one of the many purposes of ham radio. It's our way of showing that we really care what happens to our country, our local community, and our neighbors. Your club needs right now a Public Service Activities person to handle coordination of events such as walkathons, tests and drills, parades, telethons, athletic events and fair exhibits. If you are interested in helping your club and community and would like to have a lot of fun at the same time, please call me 838-6102 or Steve KD6GC 546-8860 right now. -- KS6W George.

(Cut out & save):

NEW WARC EMISSIONS DESIGNATORS

(You must know these for the new FCC exams. Tnx W5YI Report)

FIRST CHARACTER (Emission Type)

A AM Double Sideband
 F Frequency Modulation
 G Phase Modulation
 H SSB, full carrier
 J SSB, suppressed carrier
 N Unmodulated carrier
 P Pulse

SECOND CHARACTER (Mod. Type)

Ø Unmodulated
 1 Single channel w/digital info. without modulated carrier
 2 Single channel w/digital info. with modulated carrier
 3 Single channel w/analog info.
 8 Two or more channels, analog

THIRD CHARACTER (Information)

N No information sent
 A Morse Code for copying by ear
 B Automatically rec'd telegraphy
 C Facsimile
 E Telephony (voice)
 F Television

Normal CW is A1A. RTTY is F1B.
 SSB is J3E. AM is A3E. FM is F3E.
 ATV is A3F. Packet should be F2B.

Home Brew Contest Guide Lines

STATEMENT OF PURPOSE

It is the purpose of this contest to stimulate interest in the construction of amateur radio related projects.

1. ENTRANCE REQUIREMENTS:

A. Current membership in Sonoma County Radio Amateurs.

2. At this time the contest is divided into four (4) categories:

1. Scratch
2. Kits
3. Computer
4. Written word

A. Scratch: A project built from one's design, a magazine article or other source. In the scratch category you are allowed to use home built (etched) printed circuit boards. In this category "kits" of components are allowed, but no commercial printed circuit boards. If you do make your own printed circuit board it must be made at home and not at your place of employment or other facilities such as Santa Rosa Junior College.

Other projects that do not require printed Circuit boards such as a "Quad" type antenna are also included in this category.

B. Kits: Any "kit" type project that includes a commercial printed circuit board. Other examples would be a antenna switch such as the type produced by "Heathkit".

NOTE: A "kit" of parts only will not qualify the project for the "kit" category. The key factor here is whether the printed circuit board was purchased, "etched in a commercial type setting" or done at home. If you made a P.C.B. at Santa Rosa Junior College, a place of employment that as a matter of routine produces P.C.B's whether for production or research and development, this will qualify for the "kit" category.

NOTE: The above categories of "scratch and kits" are not met to exclude other type projects that do not use printed circuit boards. Projects such as antennas, a desk built for the specific purpose or radio operation, or that home built tower may also be entered.

C. Computers: This is a software program that you have written on your own. Preference will be given to amateur radio related software. Please do not enter a program that you have just modified for your own purpose. Please exclude all commercially available programs.

D. Written word: An explanation of something related to amateur radio, an example of this would be the article written by "Al N1Al" on active filters that was submitted and printed in "QST" magazine. This article at the time of the contest must be unpublished. It may be anything that is related to amateur radio.

3. PROCEDURE: At the April meeting of the Sonoma County Radio Amateurs bring "the light of your eye" if possible. I would not expect you to bring a project that will not fit through the door, such as that four (4) element tri-band that you spent the last three (3) years perfecting. However proof of operation will be required.

Proof of operation should be in the form of photographs, documentation and a friend (spouse) to attest to the many long hours that you spent showing and telling your friends on the air "how well it works".

In the event that your project does fit through the door bring with it:

- A. A statement of purpose.
- B. A schematic (if applicable).
- C. The project it self.
- D. Operating procedure.
- E. What ever is necessary to operate it if possible.

NOTE: The above documents should include enough information to allow the judges to operate the "product". It will be your responsibility to set up the project, we just want to operate it.

Judging Criteria "Scratch" and "kits".

- | | |
|---|-------|
| 1. Circuit complexity and sophistication of function. | (5) |
| 2. Novelty, ingenuity, economy of operation. | (10) |
| 3. Proof of operation. | (20) |
| 4. Utility and operating convenience. | (10) |
| 5. Neatness, appearance, and workmanship. | (25) |
| 6. Use of surplus and or readily available parts. | (20) |
| 7. Judges discretion. | (10) |
| | ----- |
| | (100) |

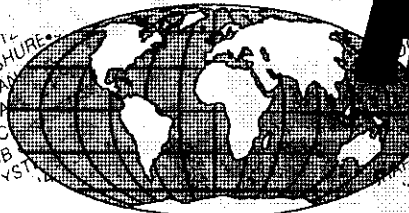
Judging Criteria "Computer".

- | | |
|---------------------------------------|------|
| 1. Program listing. | (5) |
| 2. Program flowchart (block diagram). | (15) |
| 3. As related to amateur radio. | (25) |
| 4. Proof of operation. | (25) |
| 5. Well documented program. | (25) |
| 6. Judges discretion. | (10) |

Judging Criteria "Written word"

- | | |
|---------------------------------|------|
| 1. Typed. | (10) |
| 2. Grammatically correct. | (10) |
| 3. Ease of understanding. | (20) |
| 4. Clarity of explanation. | (20) |
| 5. As related to amateur radio. | (20) |
| 6. Practically for "Home brew". | (10) |
| 7. Judges discretion. | (10) |

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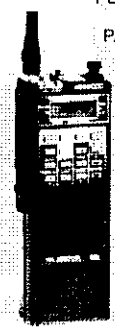
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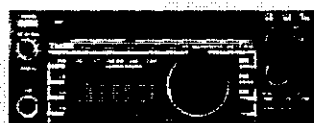
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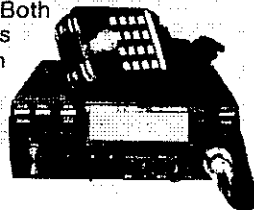
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