



HANK'S SWAP SHOP

Hank Davis, W6DTV 7822 Washington Avenue
Phone 823-7885 Sebastopol, CA 95472
(Noncommercial ham ads are printed for free)

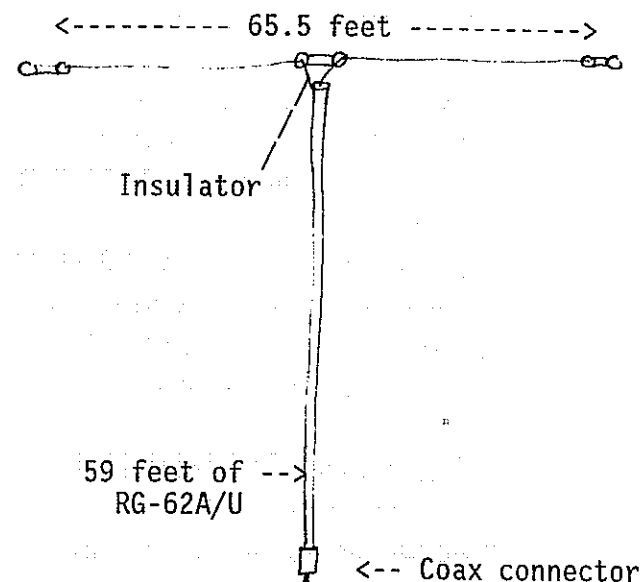
HYGAIN Explorer-2, 2 ele. 40 meter Yagi.
New. "Half price." Grant NH6GF 431-7706.

I STILL HAVE lots of that wierd 93-ohm coax.
Come on, take some off my hands, just \$.05 a
foot. Works great for that low-band dipole:
if you're worried about SWR, use a multiple
of 1/2 wavelength, and your 50-ohm antenna
will show 50 ohms at the xmtr. RG-62A/U has
a velocity factor of .86, so 1/2 wavelength
at the center of each band is:

10M	15 ft	17M	23 ft	40M	59 ft
12M	17 ft	20M	30 ft	80M	113 ft
15M	20 ft	30M	42 ft	160M	235 ft

A1 N1AL (for SCRA) 577-3981(d) 538-7115(n) ■

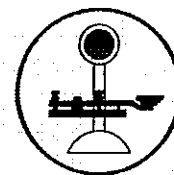
Sonoma County Radio Amateurs, Inc.
PO Box 116
Santa Rosa, CA 95402



A 40M dipole using only \$3 worth of coax.

BULK RATE
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SANTA ROSA, CA
PERMIT NO. 658

Address Correction Requested



SHORT SKIP



Sonoma County Radio Amateurs, Inc.

JANUARY 1989

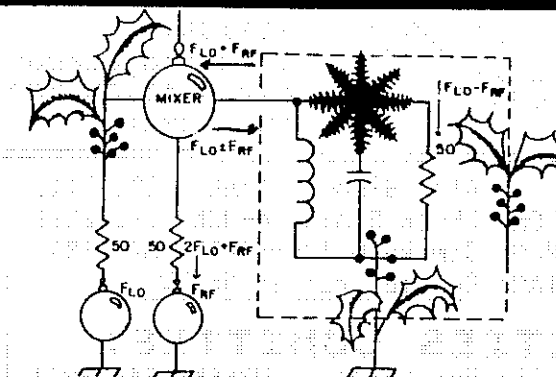
Club Station
W6LFJ

P.O. Box 116
Santa Rosa, CA 95402

Repeater Station
WB6PVS

VOL 14 # 1

CHRISTMAS PARTY 1988!

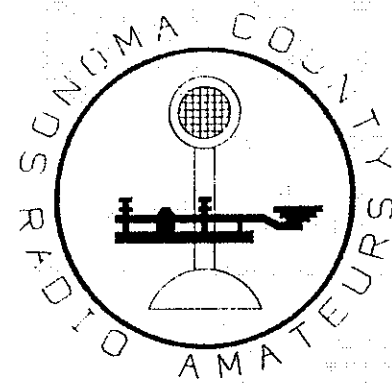


SHODDY PHOTO OF SARAH N6FAX
RECEIVING THE HAM OF THE YEAR
AWARD TO A STANDING OVATION:



N6OH AND HIS ALL-GIRL BAND:





OFFICERS FOR 1989

PRESIDENT:	Glen Crownover	N6DNB	577-8081
VICE PRESIDENT:	John Wallack	W6TLK	833-1873
SECRETARY:	Alan Bloom	N1AL	538-7115
TREASURER:	Jim Pelmulder	N6PTM	823-7947
MEMBERS-AT-LARGE:	Chuck Sabin	N6DDK	795-2371
	Bob Olsten	WD6DPE	546-5593

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: Jim Pelmulder N6PTM 823-7947
 CLUB HISTORIAN: Connie Freitas N6FYV

ACTIVITIES COMMITTEE:

PUBLIC SERVICE: Bob Sones WB6EKV 546-3873
 PROGRAM CHAIR.: Bob Olsten WD6DPE 546-5593
 REFRESHMENTS @ MEETINGS: Bob Olsten WD6DPE
 GREETER AT MEETINGS: Jane Vanderslice N6NTB
 MEMBERSHIP LOTTERY: Warren Klinger WB6RHP
 QSL MANAGER: Doug Bender WW6D
 VEC EXAMS: Steve Lund WA8LLY 823-4544
 WA6ACX N1AL K6ANP AG6C WD6CKP WN6D WW6D
 W6DTV WW6F WB6FRZ KF6FX W6RIA WB6UDR WU6W
 EDUCATION: Steve Lund WA8LLY 823-4544
 WA6ACX, WW6D, WB6PDP, W6TLK, KF6WV
 AWARDS CHAIRMAN: Steve Lund WA8LLY 823-4544
 XMAS PARTY: Steve Schaffer KD6GC 546-8860
 INTERFERENCE CHR: John Lynch W6CCY 823-1357

REPEATER CONTROL OP'S:

WD6CKP Hoppy 542-6750 W6DTV Hank 823-7885
 WB6PER Jim 526-2972 N6KMJ Russ 823-9691
 WB6UAZ Kathi 544-7943 WN6D Jim 544-7943
 PACKET COMMITTEE: Al Bloom N1AL, Jim Boyett
 WN6D, Rich Freitas 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.

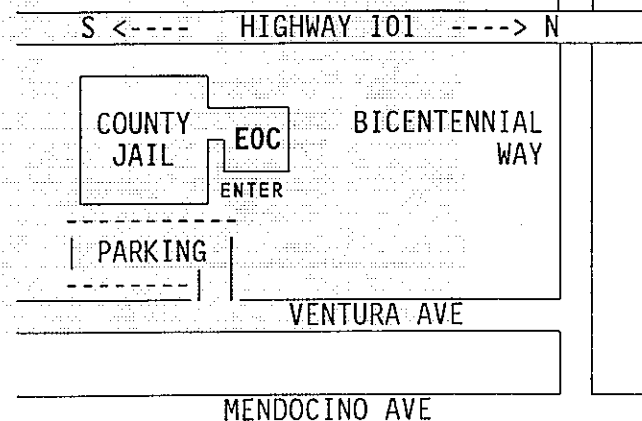
We invite you to attend our next monthly meeting (see below) or check into the Tuesday night SCARS net on the 146.13/73 repeater at 7:00 PM. You will hear the latest Westlink Amateur Radio News broadcast, announcements of SCRA activities, and a Swap Shop. If you would like to join SCRA, please refer 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 4, 1989

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



H.S.C. ELECTRONIC SUPPLY

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Monday thru Friday 9:00 am - 6:00 pm

Saturday 9:00 am - 5:00 pm

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 640K, keyboard, monitor \$ 999.95
 ** Turbo XT, 30 Mb Seagate drive,
 640K, keyboard, monitor \$ 1059.95
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 640K, keyboard, color monitor for
 \$ 1259.95

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STANDARD ACCESSORIES INCLUDE:

++ Flexible Antenna ++
 ++ 500 MAh Battery Pack ++
 ++ Wall Charger ++ Belt Clip ++
 ++ One Year Warranty ++
 VHF AMATEUR with TT Pad \$ 199.00
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 VHF AMATEUR w/o TT Pad \$ 179.00
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 VHF 12 Channel Marine \$ 299.00
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 VHF Airband Thumbwheel \$ 299.00
 UHF 6 Channel Commercial \$ 299.00
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 ALL RADIOS FCC APPROVED

OPTIONAL ACCESSORIES INCLUDE

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VHF/HF Packet, RTTY, ASCII,
 CW, and WeFAX
 32K Ram with Battery Backup
 1200 or 300 Internal Modem
 RS-232C, TTL, and Printer Ports
 Hardware HDLC for Full Duplex
 AUTOBAUD Rate Select
 Dual Radio Ports
 Tuning Indicator
 Power Supply Included
 \$ 249.99

FACTORY REFURB SPECIALS

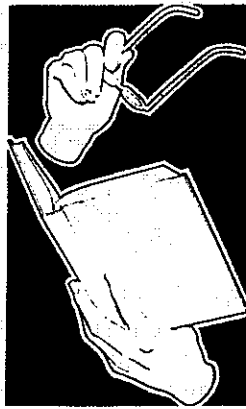
** TURBO XT MOTHERBOARD **
 640K Dram, 0 Ram Included
 Turbo Bios \$ 69.95
 ** XT POWER SUPPLY **
 150 Watt \$ 39.95
 ** IBM COMPATIBLE EPROM **
 PROGRAMMER
 \$ 69.95

WHILE SUPPLIES LAST !!

NEED HELP IN SELLING
 YOUR HAM GEAR? TRY
 HSC'S CONSIGNMENT
 DEPARTMENT !! YOUR
 EQUIPMENT WILL GET LOTS
 OF EXPOSURE TO THE
 PEOPLE WHO ARE REALLY
 INTERESTED IN YOUR ITEMS

BOOK REVIEW:

THE ARRL OPERATING MANUAL



The ARRL seems to be in the midst of a major upgrade of the entire line of League publications. We reviewed the new, greatly expanded, *Handbook* last month. The new *Operating Manual* is as big as the *Handbook* was 3 or 4 years ago!

As an "old timer" (20 years a ham) who has tried nearly every band and mode at one time or another, I didn't think there would be much new for me to learn from this book.

My opinion changed as I read the very first chapter, *Shortwave Listening* by Dave Newkirk AK7M. This chapter alone would be worth the price of the book for a serious Short-Wave Listener (SWL). Dave starts with an overview of the various radio services. Then he "Steps through the Megahertz" band-by-band from 9 kHz to 30 MHz, with detailed descriptions of what there is to hear, down to individual stations in many cases. This is not a dry catalog, however -- it is presented from a real enthusiast's perspective, with hints on where to find rare DX such as "tropical" and pirate broadcasters. Other information is also included, such as addresses of the major SWL periodicals and hints on how to pry out that rare QSL card.

The *Amateur Radio Spectrum* chapter is much more than just a listing of the ham bands: there's 72 pages of text and tables. It covers ITU (WARC) and FCC/NTIA allocation procedures, voluntary band plans, repeater frequency coordination, and lists of beacons.

Basic Operating covers all you need to know to get started, from basic phone and CW operating skills to how to locate a local Amateur Radio club and how to build and test a simple antenna.

Believe it or not, there's an entire chapter on *Antenna Orientation*! It describes 4 ways to determine true North, use of azimuthal maps, and a short BASIC program to determine bearing, given latitude and longitude. Lat. and Long. are tabulated for over 500 cities worldwide, listed by callsign prefix. 21 pages of azimuthal (great-circle) maps are printed in the Reference section: Surprise your next DX contact when you instantly tell him the reverse bearing to your QTH!

The chapter on DX'ing is by Bob Locher W9KNI author of the very popular book *The Complete DX'er*. This chapter is written in the same style as the book: a "you are there" narrative of a typical operating session on each band. He also covers propagation-predicting techniques, most needed countries (by region), DX contesting, and QSL'ing.

Ever hanker to go on a DXpedition? A 17-page chapter covers everything you need to know, from deciding where to go, to lists of AC voltages and plug styles in over 150 foreign countries.

Contests get 57 pages written by long-time tester Clarke Greene K1JX. Several duping and logging programs are included.

The *Operating Awards* chapter includes information on virtually every award available worldwide, with large, FULL-COLOR reproductions of 95 of them!

Chapters on RTTY, Packet Radio, FM and Repeaters, VHF/UHF, Satellites, Emergency Communications, Traffic Handling, and Image Communications (ATV, SSTV, FAX) cover these subjects in excruciating detail.

The Reference section is incredible! In its 240 pages you will find the ARRL Countries list, callsign prefix cross references, 17 pages of prefix maps, application forms for ARRL awards, CQ zone map, US counties list, worldwide sunrise/sunset times by prefix for all 12 months of the year (96 pages), ARRL field organization, azimuthal maps, and 53 pages of propagation charts.

Cost of the *ARRL Operating Manual*, 3rd Edition, is \$15.00. ARRL publications are available at HSC Electronics (see ad) and at Sawyer's newstand on 4th St. ■

- N1AL

WORLDWIDE DISTRIBUTION

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LARGEST HAM OUTLET IN THE WORLD

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6071 Buford Hwy
(404) 263-0700
Larry, Mgr. WD4AGW
Doraville, 1 mi north of I-285

BURLINGAME, CA 94010
999 Howard Ave.
(415) 342-5757
George, Mgr. WB6DSV
5 miles south on 101 from SFO

OAKLAND, CA 94606
2210 Livingston St.
(415) 534-5757
Al, Mgr. WA6SVK
17N 5th Ave. / 17S-16th Ave

PHOENIX, AZ 85015
1702 W. Camelback Rd.
(602) 242-3515
Bob, Mgr. K7ROH
East of Hwy. 17

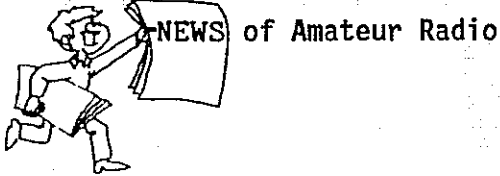
SAN DIEGO, CA 92123
5375 Kearny Villa Rd.
(619) 560-4900
Tom, Mgr. KM6K
Hwy. 163 & Claremont Mesa Blvd

VAN NUYS, CA 91411
6265 Sepulveda Blvd
(818) 988-2212
Al, Mgr. K6YRA
San Diego Fwy
at Victory Blvd

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ARRL FILES ON FCC RULES RE-WRITE. Our own Director Rod Stafford KB6ZV was on the 4-man committee preparing the response. ARRL's biggest complaint was a shift away from "due process" to greater FCC authority. ARRL submitted its own version, totalling 17,045 words, compared to FCC's 24,397. Currently, Part 97 runs to 30,073 words. (Westlink)

THE "MEDIA" FILE ON RULES RE-WRITE. A group representing nearly all broadcast and many print media filed a 23-page comment prepared by a high-powered Washington law firm. Their main concern is to eliminate the requirement that any media use of Amateur Radio in disasters must be "critical to immediate protection of life and/or property." (W5YI)

NO CODE AGAIN? A new organization, the "National Amateur Radio Assoc." (NARA) has been formed by 50 people, mostly involved with Amateur Radio publishing, under the leadership of Fred Maia, publisher of the *W5YI Report*. They propose a no-code license with VHF/UHF-only privileges (no 2 meters). No homebrew transmitters would be allowed. The test would emphasize good operating practices and, to a lesser extent, electronic theory. (Westlink)

The ARRL Executive Committee appointed a 6-member committee to explore the implications of a no-code license. Members will be from the Board, industry and the Amateur community at large. (ARRL)

THE NEW WORLD OF AMATEUR RADIO won the Gold Medal in the Science/Technology category at the 1988 International Film and TV Festival in New York. (ARRL)

Thanks to the *W5YI Report*, *Westlink Report*, and *ARRL Letter* for the above info.

TREASURER'S REPORT

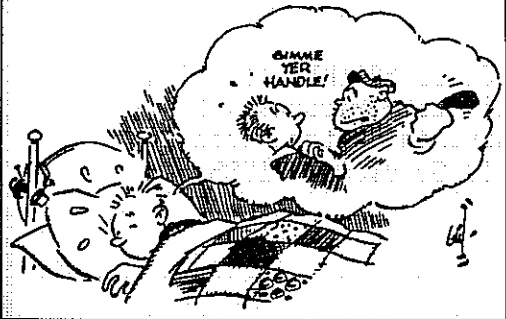
FOR MONTH ENDING OCTOBER 31, 1988

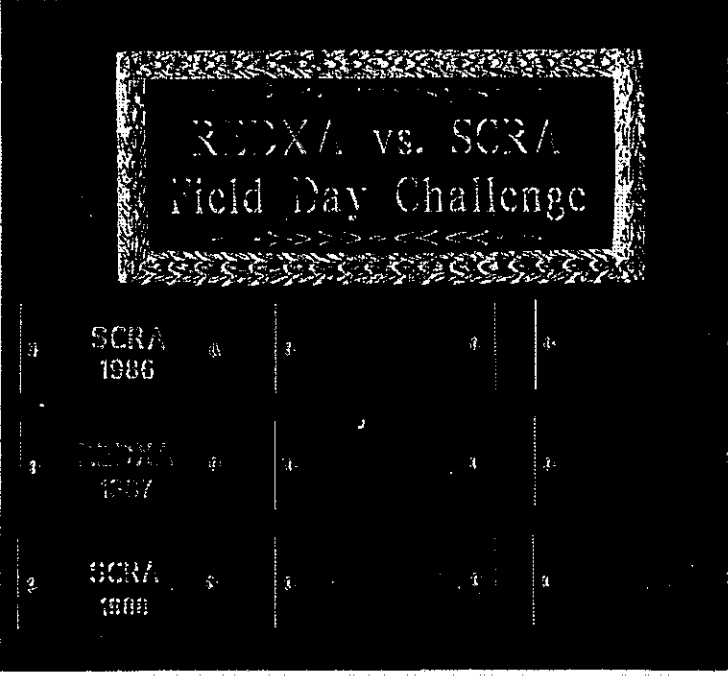
ACCOUNT	REVENUE	EXPENSE
Refreshments at meetings ..	8.05	3.96
Dues and Initiations	8.00	
Fund-Raisers	195.00	91.00
Badges		24.91
Donations	39.00	100.00
Short Skip Newsletter	32.00	
Westlink Report		56.68
Membership Supplies.....	4.00	
	286.05	276.55

ASSETS:

General Fund Account	1414.58
Cash/checks on hand	5.03
Total General Fund	1419.61
Total Repeater Fund	1998.31

- de N6PTM





HOW SWEET IT IS!

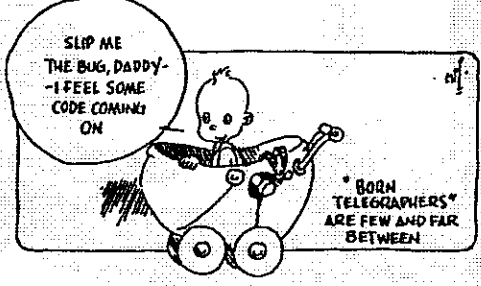
AMATEUR RADIO EXAMS

IN NORTHERN CALIFORNIA

PO=PREREG. ONLY.
PP=PREREG. PERFERRED
WO=WALK-INS ONLY
SW=SOME WALK-INS

01 07 SACRAMENTO---9AM-PO-916-483-3293
-----TECHNICIAN---EXTRA CLASS-----
01 08 HANFORD---12-NOON-WO-209-924-4221
01 14 LOS ALTOS H.-11AM-WO-408-255-9000
01 15 SUNNYVALE---11AM-WO-408-255-9000
01 29 SANTA CRUZ---1PM-WO-408-255-9000
02 05 CHICO-----1PM-PP-916-342-1180
02 11 LOS ALTOS H.-11AM-WO-408-255-9000
02 19 SUNNYVALE---11AM-WO-408-255-9000
03 04 JACKSON-----9AM-PP-209-295-7947
03 11 LOS ALTOS-H.-11AM-WO-408-255-9000
03 16 SACRAMENTO-6:30PM-PO-916-483-3293
-----TECHNICIAN ONLY-----
03 18 SACRAMENTO---9AM-PO-916-483-3293
-----GENERAL-EXTRA CLASS ONLY-----
03 19 SUNNYVALE---11AM-WO-408-255-9000
04 02 CHICO-----1PM-PP-916-342-1180
04 08 LOS ALTOS H. 11AM-WO-408-255-9000
04 09 HANFORD---12-NOON-WO-209-924-4221
04 16 SUNNYVALE---11AM-WO-408-255-9000
05 13 LOS ALTOS H.-11AM-WO-408-255-9000
05 14 SUNNYVALE---11AM-WO-408-255-9000
05 28 SANTA CRUZ---1PM-WO-408-255-9000
06 01 SACRAMENTO-6:30PM-PO-916-483-3293
-----TECHNICIAN ONLY-----
06 03 SACREAMENTO---9AM-PO-916-483-3293
06 04 CHICO-----1PM-PP-916-342-1180
06 10 LOS ALTOS H. 11AM-WO-408-255-9000
06 18 SUNNYVALE---11AM-WO-408-255-9000
07 08 LOS ALTOS H. 11AM-WO-408-255-9000
07 08 JACKSON-----9AM-PP-209-295-7947
07 09 HANFORD---12-NOON-WO-209-924-4221
07 16 SUNNYVALE---11AM-WO-408-255-9000
07 30 SANTA CRUZ---1PM-WO-408-255-9000

TXN TO: N6IIU PBBS and the SUNNYVALE VEC ARC
BOX 60142, SUNNYVALE, CA 94088-0142
UPDATES & CORRECTIONS TO: SP W6NLG @ W6CUS



NOVICE ROUND-UP 1989

SCRA will again be awarding certificatees for participation in the ARRL Novice Roundup contest. Novice and Technician operators may operate for a maximum of 30 hours from 4 PM on January 27 to 4 PM on February 5. CW contacts count 2 points while phone QSO's count 1. This is a great time to work on your code or to pick up a few more contacts for the Worked-All-States award. Complete details are in January *QST*.

Certificates will be awarded to the top-scoring Novice/Technician operator and for the most CW contacts. The top-scoring General/Advanced/Extra operator will also receive a certificate. ■


- WA8LLY


NEW AND RENEWED MEMBERS

SINCE LAST MONTH:

Michael Reilly
609 Hewett St.
Santa Rosa, Ca 95401
526-7644

We now have 183 members. ■





The Sonoma *Index-Tribune* recently ran a front-page story with pictures on VOM's communications van. This hand-out was prepared by Jan WA6MGK:

THE CITY OF SONOMA

AND THE VALLEY OF THE MOON AMATEUR RADIO CLUB

PRESENT THE MOBILE COMMAND AND EMERGENCY COMM. VAN

CONTENTS:

EMERGENCY SERVICES:

- | | |
|--------------------|--------------------------|
| Forest Service | - 125 channels |
| Sonoma City Police | - VHF, UHF |
| Medical | - MED Blue, Norrboms |
| Local Fire | - Green/white/red/orange |
| Red Cross | - Local & National |
| CHP | - To be installed |
| Telephone | - 3 2-line instruments |

AMATEUR RADIO:

- Packet radio: Two channels of high-speed digital communications, providing hard copy and video.
Multiple voice channels
A. T. V. (Amateur Television)

The van has an internal 750 W 110 VAC generator, a trailer with a 6500 W 110 VAC gen., 4 flood lights on 65' masts, and room for 6 operating positions.

The vehicle came from the local school district and took 22 months, 500 hours of volunteer labor, a police chief who believed in the project and worked on it, and financial support from a very supportive city of Sonoma. ■

(Tnx VOM newsletter)

GOING TO THE SNOW?

Repeaters in the Tahoe/Truckee area:

Brockway Summit: 146.34/146.94
447.95/442.95

Donner Summit: 146.04/146.64
445.70/440.70
220.22/223.82 P/L 138.8
6 meters pending
145.05 DONNER/N4KS-1
(Packet)

Alder Hill: 147.33/147.93

Thanks Tahoe Truckee RAS newsletter. ■

AMATEUR RADIO CLASSES VIA TELEVISION?

Many cable TV companies are required by their contracts with local government to provide a public-access channel free of charge for use by community groups. "Free" means, in many cases, use of equipment and facilities as well as air time. ARRL is looking into providing support in this area.

Does anyone know if any local CATV companies have public-access channels? ■

- NIAL



MORE PHOTOS FROM THE CHRISTMAS PARTY:



President Glen Crownover N6DNB presenting a Certificate of Appreciation to Bob Olsten WD6DPE for his service to the club in the past year.

Bob Sones WB6EKV receiving a certificate recognizing his leadership in the field of Public Service in 1988.



Connie N6FYV accepting the President's plaque for outgoing President Russ O'Neill N6KMJ.