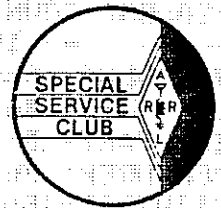


SHORT SKIP



Sonoma County Radio Amateurs, Inc.

Club Station

P.O. Box 116

Repeater Station

JUNE 1985

W6LFX

Santa Rosa, CA 95402

WB6PVS

CALL NO # 6

Two Meter Digipeater and Mailbox Sites of California

Site Location	Call Sign	Freq	Notes
Oakland	K6VCO-2	146.58	*
Belmont	KA6M-2	146.58	*
Menlo Park	KA6M-1	146.58	**
Palo Alto	WB5VUL-1	145.09	*
Black Mt.	KA6NAN-1	146.58	*
Loma Prieta	W6AMT	145.01	*
Morgan Hill	W3VS-1	146.58	*
Monterey	WA1NHP-1	146.58	*
Williams Hill	W6AMT-1	145.01	*
Fremont Peak	W6BXN	145.01	o
Bald Mt.	WB6AIE-1	146.58	*
Park Ridge	WA6RWN	145.01	o
Blue Ridge	WA6YLB	145.01	o
Arroyo Grande	W6IXU	145.01/440	**
Santa Ynez	W6AMT-2	145.01	*
Santa Barbara	WB6DAO	145.36/440	*
	KA6SOX-1	145.01	*
	K6TZ	145.36	*
Los Angeles	WB6EKL-1	145.36	*
	WB6YMH-2	145.36	*
	N6BGW	145.36/146.145	*
Palos Verdes	W6AMT-3	145.01	*
	NK6K-1	145.01	*
	WA6DZJ	145.36	*
Laguna Beach	WB6LUT	145.36	*
San Diego	WB6HHV-1	145.01	*
	W6SE	145.36	*
	W6MNO	145.36	*
(Mt. Diay)	WB6WLV	144.76	*

Coming soon to a hill near you:

Sacramento Val	W6AK-5	145.03	o
Melcher Hill	WA6FSP-1	145.03	o
Mt. Allison	WB6RFW-1	145.01	o
Black Mt.	W6IIU-1	145.01	o
White Mt.	WA6RWN-1	145.01	o
Frazier Peak	WA6GML-1	145.01	o
San Diego	W6AMT-4	145.01	o

- * = moving to 145.09 at any time
- ** = mailbox system on line
- o = capable of remotely changing frequency

Map by
Rick Bates WA6NHC

MAP BY:
Rick Bates
WA6NHC

Following is a matrix showing the 10 digipeaters presently operating as part of WESTNET. The symbol "+" indicates those paths that appear to be reliable.

	San Diego	Palos Verdes	Palos Verdes	Santa Barbara	Santa Barbara	Arroyo Grande	King City	Visalia	San Francisco	Merced
	WB6HHV-1	NK6K-1	W6AMT-3	KA6SOX-1	W6AMT-2	W6IXU	W6AMT-1	WB6RWN	W6AMT	W6BXN
HHV-1				+					+	
NK6K-1				+					+	
AMT-3				+					+	
SOX-1	+			+					+	
AMT-2	+			+					+	
IXU				+					+	
AMT-1				+					+	
RWN				+					+	
AMT				+					+	
BXN				+					+	

--SONOMA COUNTY RADIO AMATEURS, INC--

-----1985 OFFICERS-----

PRESIDENT: Chuck Sabin N6DDK 795-2371
VICE PRES: Bob Olsten WD6DPE 546-5593
SECRETARY: Brian Torr N6IIY 865-2234
TREASURER: Rudy Mappus N6KLU 664-1978
ACTIVITIES: Bob Phillips KB6EOC 542-5209
REPEATERS: Jim Boyett WB6UBA 544-7943
MBR-AT-LRG: Lyle Meek N6BLN 526-3233

SHORT SKIP: Alan Bloom N1AL e:538-7115
1578 Los Alamos Rd SR 95405 d:577-3981
SWAP SHOP: Hank Davis W6DTV 823-7885
RACES LIAS: Jim Boyett WB6UBA 544-7943
ARRL LIAS: Alan Bloom N1AL 838-4524
ASST. DIR: Chuck Sabin N6DDK 795-2371
PUB. RLATN: Kathi Boyett WB6UAZ 544-7943

-----ACTIVITIES COMMITTEE-----

CHAIRMAN: Bob Phillips KB6EOC 542-5209
REFRESHMENTS AT MEETINGS: Bob WD6DPE
GREETER AT MTGS: May Kobold N6GZV
RAFFLE: Lyman WB6SMY, N6GZV, Terry WA6RNF
QSL MANAGER: Doug Bender WA0JRB
FIELD DAY: Gene Johnson W2EBG
EDUCATION: Tracy Reese WB6TMY
PROGRAM CHAIRMAN: --OPEN--

HIDDEN XMTR HUNTS: Don Osborne WA6ACX
PICNIC: Steve Shaffer KD6GC & ?
XMAS PRY: N6GZV, WB6UAZ
WALKATHONS: N6KLU, N6KUS, N6GZU, N6GZV
FLEA MARKET: N1AL W2EBG WB6TMY N6KMJ

-----REPEATER COMMITTEE-----

CHAIRMAN: Jim Boyett WB6UBA 544-7943
Alan Bloom N1AL Terry Laduke WA6RNF
Bob Olsten WD6DPE Brian Kotzian KE6WL
Hoppy Bravin WD6CKP (Westlink b'cast)

CLUB MEETINGS

7:30 PM 1st Wed of every month at the
Emergency Operations Center (EOC).
NEXT CLUB MEETING: June 5, 1985

Meetings are open to all, member or
not. Need not be licensed to join.
Full voting membership is available
to licensed Amateurs only. Dues are
\$12.00 per year. First-time members
also pay an \$8.00 initiation fee.

S <--- Highway 101 -----> N

! Co. !
! Court! EOC!
! House!

Ventura Ave

Mendocino Ave.

DON'T FORGET FIELD DAY!

The site is the lake area of the
Two Rock Coast Guard station west
of Petaluma, about 45 minutes from
Santa Rosa. It consists of a large
park-picnic area with bathroom
facilities and lots of trees for
antenna supports.

SETUP: 9 AM Saturday morning
(June 22). You can spend the night
or be a woosie and go home and
sleep in bed. We generally break
down the equipment around noon
Sunday.

Saturday evening there will be a
POTLUCK DINNER. Please bring the
following: Last names beginning
with A-E: bread or rolls, F-I: veg-
gies/potatoes etc., J-N: salad/
greens/macaroni etc., O-S: chips/
dips, T-Z: deserts. EVERYBODY:
bring eating utensils.

Steve WABLLY and Brian KE6WL are
building Field Day filters to fight
receiver overload. N1AL is setting
up 80 meters and KD6GC 40 meters.
For 20 meters we will have a selec-
tion of rigs/antennas from W6CCY,
KB6EOC, WB6RHP, etc. N6DDK is
bringing the generator. WABLLY is
taking care of logs and computer
"duping".

Contact person for FD is Gene
W2EBG 578-3104. We expect 15-25
people to show up. See you there!

RADIO SHACK

Store Nr. 3855

Zane Bates, Manager

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

THE MONTH THAT WAS

-OR-

PUBLIC SERVICE IN THE MONTH OF APRIL

APRIL 12 SONOMA: Earthquake week start was an in-house test in the City of Sonoma. Mostly medical at the hospital. Hard to get doctors to cooperate with amateurs as they were too busy in their own department. Amateurs involved: N6KM, W6FPL, N6UFO, W6WXU, W6GMP. About 12 messages were passed among the amateurs. 147.54 MHz used.

APRIL 13 SEBASTOPOL: The Apple Blossom Parade, with some 20,000 visitors in town. Three control points were used: Head of the parade, middle with the announcer's stand, and the end or dispersal point. If the operator at the end became piled up with floats, information was relayed to the beginning to slow down. Same with the announcer's area as here is demonstration place for the bands, etc... Several floor changes had to be relayed back and forth. Amateurs involved: WA6ACX, W6CCY, W6DTV, N6FYV, N6GZU. 146.49 MHz was used and 224.86 autopatch.

APRIL 14 SEBASTOPOL: Appli juice run, a 10k annual run. There were 8 operators on the circuit keeping track of the head runners and relaying the information back to the finish line. Other duties of the radio amateurs was the safety of the runners as there was heavy traffic. Along with that any supplies like water, first aid and cups needed were relayed to supply point. National Guard helped in the poop-out division. As the race neared the end, numbers were relayed to the announcer so visitors and the checkout table could hear and have material ready. 146.49 and 224.86 autopatch. Amateurs involved: WA6ACX, N6BBI, W6CCY, N6DBZ, W6DTV, N6FAX, KF6FX and N6IIY.

APRIL 15 SANTA ROSA: Earthquake Awareness Week test. This test also was in-house and amateur on-the-air tests. Sebastopol, Sonoma, Oakmont were cities involved. At this same time, the city of Sonoma was testing facilities for communication throughout the city. Many messages were exchanged to help the scenario flow properly. 146.73 repeater was used. Amateurs involved: WA6UAZ, WA6JSA, N6GZU, WA6RNF, WD6DPE. Outlying amateurs involved: W6DTV Sebastopol, K6TCD Oakmont, Sonoma: W6FPL N6UFO W6KEW WB6HZZ.

APRIL 18 STATE-WIDE: American Red Cross and Western Operational Headquarters. This was a test of HF and VHF-UHF circuits from Northern Calif to Southern Calif. W6DTV checked in on 146.67 inter-tied circuit to the WOH. HF circuits were not too good from this location. Heard many cities from Southern Calif check in on the VHF-UHF link.

APRIL 20 SEBASTOPOL: Earthquake awareness test. This was an in-house hospital test with Palm Drive Hospital and simulated victims sent to the hospital plus the Amateur circuits adding the scenario for the day. The scenario was by Harry Martin of the American Red Cross and DAT Director. Some twenty messages were sent to and from the Hospital and the EDC of the city. An exchange from Sebastopol to the Pacific Coast by simplex was very good. This we had not tried before. To add a little to the test, the scenario Director sent in the fact that the operator at the hospital had a heart attack, spare operators had to be sent in to replace. Amateurs involved: N6FAX, W6CCY, W6DTV, WB6RHP, KA6SSL, WD6CLF and WB6UAB.

(over)

APRIL 28 MARCH OF DIMES WALK AMERICA: The 1985 March of Dimes was a 20 mile ordeal covering a cross-town route with 9 check points. Each one covered by an amateur. This started at 8 and lasted until 4 PM. Starting point was the SRJC cross town to Spring Lake Regional Park and return. The poop-out wagon was very busy. Many sore feet. This year Amateurs had to look for anyone following the runners or stopping and talking with them plus needs like first aid and water supplies. Some 30 amateurs took part in the communications end of the run. Only one no-show. Net control point: N6KLU, N6DBZ, K6KZS, W6DTV, father confessor, control and organizer of communications? Check point 1: N6KUS, WD6CKP, WA6RNF. CP 2: N6GX1, N6GZU, KD6IB, W6LGO. CP 3: N6FAX, WA6ACX, WB6SMY. CP 4: WB6UAB, KF6FX, K56W. CP 5: N6DDK, KD6LC, WA6UAZ. CP 6: WD6FMG, KD6GC, N6KMJ, N6KLR. CP 7: KA6SSL, KB6EOC, WB6RHP. CP 8: N6IIY, N6FYU, AP6RE W2EBG. Frequency used: 145.25 repeater.

APRIL 30 BRUNCH AT SONOMA JOE'S: by K6MZ, Lyle. The Sonoma Joe's bunch or brunch... A group of senior OM's and YL's gather at the eating place several times during the summer and have lunch together. Lots of gab and great fun for all there. Lyle takes great pride in setting a date than have W6ITU Walt go over and make the arrangements. Lyle gets on two meters and other ways and drums up the lunch members. The following attended: K6MZ & wife, WB6SMY & wife, KD6IB & wife, N6FAX and husband, W6JBL, W2HWQ, W6LGO, N6DSW, W6ON, W6ITU, W6IBQ & wife, K6BAQ & wife, WD6AMA & wife, N6LCS & wife, N6LCR...

--- Best of Everything
de W6DTV Hank

TREASURER'S REPORT, APRIL 1985

Beginning Balance: 1809.38

RECEIPTS:

Dues: 258.00
Coffee & Donuts: 10.55
Raffle Income: 30.00

298.55

PAYMENTS:

Coffee & Donuts: 14.86
Raffle Prizes: 23.25
Rptr Fund Dues share: 312.00
Westlink phone bill: 9.32
" Quarterly donation 25.00
Badges: 6.36
Treasurer's Expense: 13.35
Mailing Expense: 3.13
Shortskip postage etc: 110.60

517.87

Ending Balance: 1590.06

REPEATER FUND:

Beginning balance: 1533.03
Interest income: 22.46
1/2 of Jan/Feb/Mar Dues: 312.00
Ending Balance: 1867.49

SUGGESTED 1985 BUDGET

(For fiscal year Mar 85 - Mar 86)

Christmas Party: \$150.00
Field Day: 100.00
Potluck: 25.00
Picnic: 125.00
Public Relations: 100.00
Badges: 100.00
Insurance: 90.00
Short Skip: 500.00
Supplies/Printing/Postage: 125.00
Trophies: 50.00
World Radio "Deal": 60.00
Westlink Donations/Phone: 250.00
Generator Maintenance: 50.00
Secretary's Expenses: 60.00
Treasurer's Expenses: 30.00
Miscellaneous: 70.00
Reserve for Unexpected Exp. 150.00

TOTAL EXPENSES: \$2025.00

Dues: 1200.00
Initiation Fees: 150.00
Flea Market: 500.00
Raffle at meetings: 150.00
Misc: 100.00

TOTAL INCOME: \$2100.00

MINUTES OF THE MAY 1, 1985 MEETING

The May meeting of the Sonoma County Radio Amateurs, Inc. was called to order by President Chuck Sabin N6DDK at 7:30 PM in the E.O.C.

Two visitors were introduced: Ron Pipes WB6NBR and Phillip Williams KA6GPM.

Our speaker this evening was Gary Wilson W6RDA of True Time Instrument Company of Santa Rosa. Gary gave a presentation on the precision clocks manufactured by True Time and their applications. The people who use these clocks range from disc jockeys to NASA scientists. After the presentation, Gary allowed anyone to come up and set their watch by the portable clock he brought with him.

BUSINESS:

An error to the April minutes as printed in Short Skip was called out; the winner of the Homebrew Contest was John DeMuth W6JXZ not W6GYY. It was moved that the minutes be accepted as corrected, voted on and passed by the membership.

BILLS AND COMMUNICATIONS: The club received a copy of the ARRL filing on the matter of Docket 85-38 regarding allowable leakage from cable TV systems. This was in response to the filing made on the part of our club by Steve Lund W6LLY and Al Bloom N1AL.

BADGES: Hank W6DTV has received one request for a badge.

QSL: Doug WA0JRB was not present to give a report.

PUBLIC RELATIONS: Nothing to report from Kathi WB6UAZ.

REPEATER: Chuck N6DDK reported that there was a NARC meeting about two weeks ago regarding the controversy between 15 kHz vs 20 kHz repeater spacing. California hams in general, and southern California hams in particular, are against the 20 kHz spacing. NARC, however, thought that 20 kHz spacing was "sewed up" for California. There will be a vote at the September meeting to decide the 15 vs 20 kHz spacing issue.

COMMITTEE REPORTS:

EDUCATION: Al N1AL was not present to give a report.

ACTIVITIES: Bob KB6EOC reported that the March Of Dimes Walkathon (April 29) went well, but some of the check points closed early at 2:00 PM, even though the walk was to last until 4:00 PM.

Hank W6DTV wrote a short newsletter outlining all the public service in which our club has participated during the month of April. 85 amateurs (including repeats) took part in these activities. The 146.73 repeater was not used for the March Of Dimes Walkathon in favor of the 145.25 machine. The 145.25 machine however experienced some RTTY interference during the course of the Walkathon. It has been discovered that this was "intentional" interference (i.e. malicious).

ENTERTAINMENT: Lyle N6BLN has contacted a ham who took part in the recent Clipperton DXpedition who would present a slide show at the next meeting. A show of hands was called for to see if this is what the club wanted and it showed that there was enough interest to have the slide show. The slide show is 100% ham radio, no travelogue material.

(over)

FIELD DAY: Gene W2EBG was not present to report.

CALENDAR: Chuck N6DDK mentioned the following upcoming events: June 22-23 Field day, May 18 Armed Forces Day.

ATTENDANCE RAFFLE: The attendance raffle, worth \$5.00, was lost by Lee KA7NZO.

The meeting was adjourned at 9:15 PM.

Submitted by: Brian D. Torr N6IIY, SCRA Secretary

EMERGENCY SUPPLIES LIST FOR NATURAL OR MANMADE DISASTERS:

This list is compiled from a number of sources: N6BLN, Red Cross, QES, and personal ideas. I keep the fire extinguisher, flares and road tools in the car, first aid kit in a box, electronic tools in another box, and everything else in a third large box. Few people will have everything on the list: Items marked with a "+" are essentials.

MISC:

- +Matches/lighter
- +Flares
- +Fire extinguisher
- AM radio/batteries
- +Good flashlight/batts.
- Duct tape
- +Garbage bags
- +Paper towells
- Dimes (for pay phones)
- Calendar

PERSONAL ITEMS:

- Soap/washcloth
- Toothbrush
- Pre-moist. towelettes
- Razor (men)
- Hygiene items (women)
- Toilet paper
- +Dry pair of shoes)
- +Jacket or sweatshirt)
- Fresh underwear/socks)
- Sleeping bag/blanket)
- (Above in plastic bag)
- Wind-up alarm clock
- A good novel etc.

FOOD:

- +Canned or other food
- (rotate occasionally)
- +Water (date bottle and
- refill occasionally)
- +Plastic drinking cups
- Plates/eating utensils
- Large basin or pail
- Small camping stove
- Cooking pan
- +Can & bottle openers

FIRST-AID KIT:

- +Portable dustproof box
- +First-Aid Manual
- +Alcohol preps/bottle
- Antiseptic (Betadine
- or Hydrogen Peroxide)
- Cotton balls
- +Band-Aids
- Bandages (ACE, etc.),
- Assorted sizes
- +Gauze roller bandages
- +Blunt-nose scissors
- +Dressings, asst. sizes
- +Adhesive tape
- +Triangular bandage for
- sling (36"x40"x55")
- Safety pins, asst sizes
- Q-tip swabs
- Cotton balls
- +Soap
- +Washcloth
- Petroleum jelly
- Snake bite kit & instr
- Asperin, Tylenol, etc.
- Bicarbonate of soda
- Diarrhea medicine
- Ipecac
- Fever thermometer
- +Tweezers
- Tongue depressors
- +Household bleach
- (6 drops/gal to
- purify water)

TOOLS:

- +Good knife
- +Jumper cables
- Siphon & gas can
- Small shovel
- Hatchet/axe/saw
- +Needle-nosed pliers
- +Side cutters
- +Screwdrivers
- Adjustable wrench
- 12V & 120V solder iron
- +Electrical tape
- +Volt-Ohm meter

RADIO ITEMS:

- +RACES/ARES manual
- +Local maps
- +Clipboard & Paper
- Logbook
- Message blanks
- +Pens/pencils/eraser
- Stapler
- +Spare fuses & tubes
- +Extension cord (25')
- 2 Meter HT
- HF Rig
- Headphones
- Key/Mic
- 2 Meter Antenna
- Wire/twine for HF ant.
- +Coax
- Extra connectors
- Adapters (like UHF
- female to BNC male
- to connect HT ant.)
- Hook-up wire
- +Clip leads

N - E - W - S of Amateur Radio

NEW 12 METER HAM BAND! FCC report & order (Docket 84-960) allows CW & RTTY on 24.890-24.930 MHz and CW, phone, FAX and SSTV on 24.930-24.990 MHz effective June 22. It also makes permanent the allocation of 30 meters (10.100-10.150) to Amateurs which remains at 200W CW only. Although the full 1500 Watts output is permitted on the 24 MHz band, Amateurs must operate on a secondary basis to Fixed Service users until July 1, 1989. No Field Day credit for the new band. (ARRL)

NEW EMISSION MODES FOR 160 METERS were authorized in docket 84-959. Effective June 17, we are allowed RTTY, narrow-band FM, and digital modes. (W5YI)

ARRL PROPOSES NEW NOVICE PRIVILEGES. At the May 19 meeting the ARRL Executive Committee approved a plan developed by the staff for increased Novice operating privileges. The plan: 28.1-28.3 MHz: CW & data, 1200 baud max. 28.3-28.5: CW and SSB. 220-225 MHz: all voice/data/cw modes at 25 Watts output. 1240 MHz band (frequencies to obey band plan): all modes 5 Watts output (low power to reduce of RF exposure by inexperienced persons). The Novice exam would be expanded from 25 to 30 questions to allow coverage of digital & voice operation. Technicians would also gain the additional 10 Meter privileges. Higher class licenses would not be limited to Novice power levels on these bands.

ARRL's purpose is to attract young people who are interested in computers and digital communications into Amateur Radio. The additional 10 meter privileges would have minimal impact on other users providing a band plan was developed to keep a segment free for conventional Morse operation. Since FCC says that Novices cannot be allowed on 220 pending completion of a long-range FCC/NTIA study of the 216-225 spectrum, the 1240 band is suggested as an interim place for novices to get their feet wet in repeaters. (ARRL)

40 METER PHONE BAND EXPANSION was favored by 8788 (44.2%) and opposed by 10,640 (53.6%) in the recent ARRL postcard survey. (ARRL)

SPREAD SPECTRUM EMISSIONS have been authorized to Amateurs above 420 MHz on a secondary basis to all other amateur communications. There is a 100 Watt power limitation. In an unusual move, FCC is delaying implementation for 1 year to give the Amateur community time to agree on standards.

AUTOMATIC CONTROL of non-repeater stations above 29.5 MHz has been proposed by FCC. See "Tech News".

BUSINESS RADIO ON A HAM BAND? FCC Notice of Proposed Rulemaking Docket 85-188 proposes to license business band users between 421-430 MHz in a number of cities along the Canadian border. If interference with Amateurs is encountered, the FCC "would consider prohibiting amateur operation ... within approximately 100 miles of the centers of (these cities)". Comment deadline May 28, 1985. (W5YI)

LOW-POWER COMMUNICATIONS DEVICES (LPCD's) ON HF HAM BANDS? Under part 15 of FCC regs, low power non-licensed operation is permitted on several portions of the radio spectrum. FCC proposes to add 1.6-10 MHz. Power limit would be 100 uV/m at a distance of 30 meters and 10 to 20 uV/m for harmonics/spurs. Comment deadline for General Docket 85-129 expires June 24. (W5YI)

WAYNE GREEN HAS LEFT 73 MAGAZINE. His explanation? "I really don't want to continue writing editorials on how bad things are..." (Westlink)

THE DAYTON HAMVENTION had over 32,000 attendees according to Westlink. (600 attended the first year in 1952.) Over 400 commercial exhibit spaces inside and a couple thousand flea market tables outside gave plenty of opportunity for

parting with your paycheck. Other than a slight sprinkle Sunday morning, weather was excellent. A record \$42,000 in door prizes was given away with the grand prize an IC-751. Packet radio was popular -- both Heathkit and TAPR were out of units by the end of the Hamvention.

THE REPEATER COORDINATORS' FORUMS at Dayton failed to decide on 15 kHz vs 20 kHz, but did propose that ARRL publish a newsletter for repeater coordinators and maintain a national repeater database accessible only by repeater coordinators. ARRL has agreed to this. The suggestion that ARRL act as national freq. coordinator met "enthusiastic disapproval." However, a national coordination steering committee composed of regional representatives and chaired by John Hackman WB4VVA has been formed. ARRL will provide financial and other aid, but will have no direct control. (ARRL & Westlink)

MANDATORY COORDINATION OF REPEATERS is the preference of the ARRL Executive committee. They also prefer regional coordination as opposed to national and think open repeaters should have priority. (ARRL)

CONTROVERSY OVER ALABAMA 20 KHZ PLAN is brewing as neighboring states start to recognize the potential for interference on their borders. Some Alabama repeater owners have already ordered new crystals while others are resisting the change. (W5YI)

N MEXICO AND GEORGIA ARE CONSIDERING 20 KHZ according to Westlink.

ARRL MAY ISSUE CALLSIGNS. At a 6-hour meeting with FCC staff in Gettysburg April 23, ARRL staff discussed the technicalities of taking over the callsign-assigning process. (Ed. note: Apparently the idea is to again allow assignment of specific callsigns.) (ARRL)

A5 MAGAZINE has changed its name to "Spec-Com" & will cover other specialized communications modes such as FAX, RTTY, SSTV, satellites, packet,

etc. The first issue was reported excellent. Spec-Com Journal, POB H, Lowden, IA 52255. (Westlink)

THE NEXT TELECONFERENCE RADIO NET June 14 will again cover satellite communications with guests AMSAT President Vern Riportella WA2LQQ and Col. John Browning W6SP of Project Oscar. (Westlink)

VOLUNTEER EXAM STATISTICS for March:

VEC	Sessions	Elements	Nat. %
ARRL/VEC	142	3838	62.1%
W5YI	25	541	8.7%
Centr. Ala.	17	398	6.5%
GLAARG (LA)	8	185	3.0%
METROPLEX(NYC)	6	157	2.5%
DeVRY(Chicago)	15	156	2.5%
All Others	213	903	14.6%

CALL SIGNS ISSUED as of May 1:

Group A:	Group B:	Group C:	Group D:
(Extra)	(Advan.)	(Tec/Gen)	(Novice)
WG6J	KG6TC	N6LYA	KB6IRC
		-- (W5YI)	

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

T - E - C - H N - E - W - S

CHEAP GASFETS GIVE LOW NOISE FIGURES according to data in April QEX on units built by WA2GFP:

Freq (MHz)	MRF-966:		S-3030:	
	NF (dB)	Gain (dB)	NF (dB)	GAIN (dB)
144	0.62	18.2	0.52	27.3
220	0.58	18.3	0.57	25.4
432	0.46	18.7	0.63	24.5
902	0.66	19.2	0.78	23.4
1296	1.12	17.3	1.03	22.0

The FETs cost about \$4.00 each. The 144-432 MHz preamp designs are similar to those in an article by WA5VJB published in Dec 1984 QST, and the 902-1296 MHz units are like the dual-pi amps in June 1983 QST.

(next page)

THE LOCAL PACKET RADIO CLUB had its first formative meeting Tuesday May 14 at 520 Mendocino Ave, Suite 340. The room was pretty well filled with about 20 interested people. After a showing of a film on packet radio, Don NI6A gave a short talk on what the Pacific Packet Radio Society is doing. (PPRS, POB 51562, Palo Alto, CA 94303, meet 1st Tuesday at Ampex cafeteria, Palo Alto) They feel that level 3 networking is at least a year away, so in the meantime, they are building a high-speed (9600 baud) link on 220 MHz to carry the high volumes of traffic now developing on the North-South link between San Diego and Northern California. All that's needed to get into the link is a "dual-port" (144/220 MHz) digipeater in your local area. These can be made from two FM radios, a surplus Xerox 820 computer board (\$80 assembled and tested) and some free software written by KE3Z (brother of NI6A) from ARRL HQ.

Don is also interested in using packet for public service work, and is developing methods to accomplish this.

The second film was an announcement from TAPR of The INC-2, a new Z-80-based replacement for the current TAPR board. Improved features include lower price (<\$200 with cabinet), smaller size (6x9 inches), battery backup, full duplex operation, lower power (<260 mA standard, <120 mA low power option) and 12-volt-only power requirements. The software includes a number of new features which can be retrofitted to old boards by upgrading to "Version 4" software. Availability should be by the end of May, 1985.

A meeting is planned for the second Tuesday of every month, at the same place.

AUTOMATIC CONTROL OF PACKET radio is included in FCC NPRM Docket 85-105, RM-4897. In response to ARRL's petition FCC proposes to allow automatic control of all modes in the Amateur bands above 29.5 MHz. Among other things, this will permit Computer bulletin board systems. Comment deadline is June 25. (Gateway)

WHAT'S A PAC-GRAM? In the March issue of the Packet Status Register (newsletter of the Tucson Amateur Packet Radio Corp) Jay Nugent WB8TKL proposes a standard for "PACgrams" -- NTS radiograms sent via packet. He has also written some software that facilitates entering and printing PACgrams. (Gateway)

△ VIC-20 REPEATER CONTROL PROGRAM appears in April QEX magazine. In addition to normal repeater functions, it includes an autopatch controller with autodialing.

Thanks to TAPR's Packet Status Register and ARRL's Gateway and QEX magazines for permission to reprint.

EVENTS CALENDAR:

JUNE:

- Jun 1 - SCRA FCC Tests, Sebastopol
- Jun 3 - RACES Nets, 7PM/7:30 PM
- Jun 5 - Club meeting EOC 7:30 PM
- Jun 8/9 - VHF QSO Party
- Jun 11 - Packet Meeting
- Jun 14 - Teleconference Radio Net (Topic: Amateur Satellites)
- Jun 17 - RACES Nets, 7PM/7:30 PM
- Jun 22/23- FIELD DAY
- Jun 29 - Marin Co. FCC tests.

JULY:

- Jul 3 - Club meeting EOC 7:30 PM
- Jul 13/14- IARU Radiosport Contest

AUGUST:

- Aug 3/4 - UHF Contest
- Aug 7 - Club meeting EOC 7:30 PM
- Aug 9/11 - ARRL SW Div. Convention (Long Beach, CA)
- Aug 11 - VOM (Sonoma) Flea Market
- Aug 24 - SCRA Picnic

SEPTEMBER:

- Sep 14/15- VHF QSO Party
- Sep 21 - SCRA Flea Market

OCTOBER:

- Oct 4/6 - ARRL National Convention (Louisville, KY)
- Oct 5/6 - ARRL QSO Party, CW
- Oct 12/13- ARRL QSO Party, Phone
- Oct 19/20- Simulated Emergency Test (over)

----- HANK'S SWAP SHOP -----
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 REALISTIC SP150 speaker
 VIKING 122 Preselector (old)
 BC906 Freq Meter
 CDE Decade Capacitor CDC3
 SIMPSON VOM 260

EVENTS CALENDAR: (Continued)

NOVEMBER:

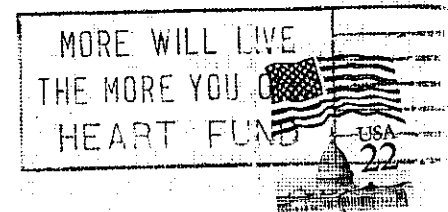
Nov 2/3 - Sweepstakes, CW
 Nov 6 - Club meeting EOC 7:30 PM
 Nov 16/17- Sweepstakes, Phone

DECEMBER:

Dec 7 - SCRA Christmas Party
 Dec 7/8 - 160 Meter Contest
 Dec 14/15- 10 Meter Contest

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