

# SQUELCH TALES

SAN DIEGO REPEATER ASSOCIATION

MAY, 1981

## SANDRA RETURNS TO OTAY

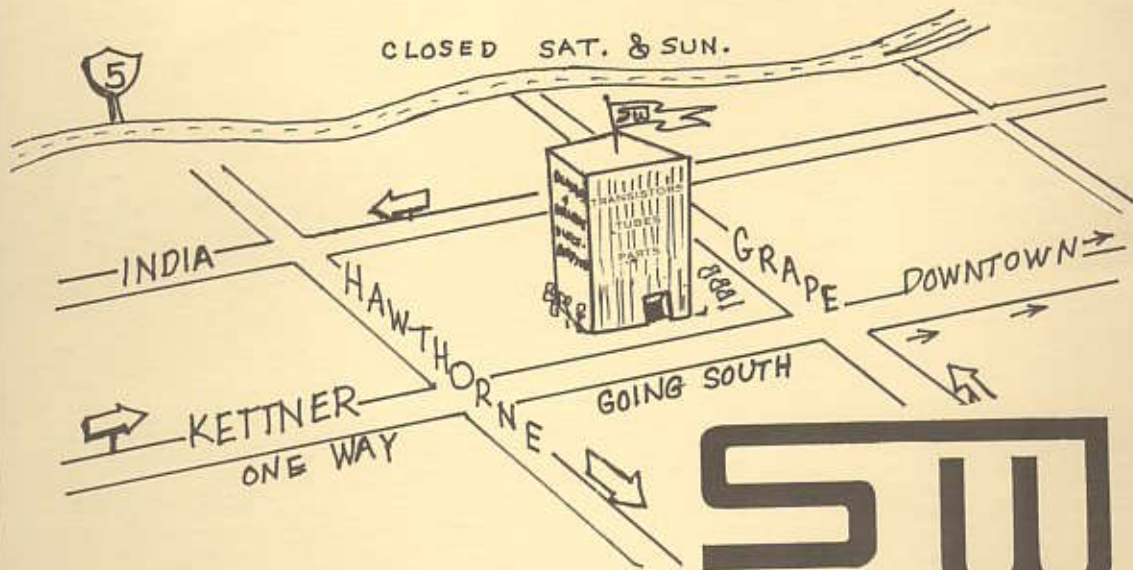


After a hard day's work moving the repeaters from Lyon's Peak back to our new building on Otay, the picture above shows the trustee, Ed Flinn, WA6YVX, switching on the two meter 04/64, as well as 220 and 450. The Lyon's Peak machine is also on the air on 146.865/265 under the trusteeship of Vance, WA6KHA. This completes a goal the club has had for for a long 15 months and vindicates the efforts of those who who KNEW IT COULD BE DONE AND DID IT. Thanks to those who did it: WA6YVX, W6PDA, WA6KHA, N6BSD, AJ6L, KF6Z, N6AVR, K8WEN & KB6HH.

SINCE 1945

# SHANKS & WRIGHT

## ELECTRONIC SUPPLIES



Dick  
W6BZE

2045 Kettner Blvd.  
San Diego CA 92138  
**239-0176**

Si  
W6OSD

### FCC ACTION IN K6EOA CASE

Due to the intense interest in the Westlink News account of alleged jamming by K6EOA, SQUELCH TALES publishes the release in its entirety, transcribed from Westlink News with a production date of April 11, 1981.

"This week's top story centers on an FCC license revocation that may be a milestone case, because an administrative law judge has decided that mental incompetence is grounds for license denial, and the judge also said that when an individual applies for an amateur license, he or she must abide by Federal radio regulations and thus, as a licensee, give up certain first amendment rights. The case involves K6EOA, John W. Munson, Jr., of Los Angeles. On October 2, 1979, Munson was alleged to have transmitted an A0 emission on 147.435 Mhz, jamming transmissions to the Mt. Wilson repeater. FCC engineers Lawrence Guy and James Joulek of the Long Beach office were nearby monitoring in a van with direction finding equipment. They recorded the transmissions, then knocked on Munson's door. They showed their identification and attempted to inspect his station, log and license. But Engineer Guy said in his official report later that they were not permitted entry and that Munson refused to show them his license or the records of his station. They returned to their monitoring vehicle and again started their tape recorder. This time, they not only recorded more A0 transmissions, but also threats on their lives if they attempted to inspect the amateur radio station again, and as Guy testified later, a threat to kill another amateur, too. As a result of the threats against the lives of the two Federal officers, Guy went to the U.S. Attorney in Los Angeles, and a complaint was issued, including a warrant to search the premises of Munson's home. Technically, a search warrant wasn't necessary because the engineers witnessed an infraction of Federal law. Under Part 97, an amateur who is observed violating the law with his radio transmissions must open his station log and license to inspection. Three days later, on October 5, Munson showed up at the FCC office in Long Beach and was arrested. Guy also served him with a search warrant and entered the ham shack of K6EOA. A stolen portable transceiver, a loaded rifle, marijuana plants and transmitting equipment were seized. On March 19, 1980, a Federal Grand Jury returned an indictment against Munson for violation of Federal radio laws and for threatening the lives of FCC enforcement officers. But two months later, the indictments were dismissed when a court appointed psychiatrist found that Munson was legally insane, that he lacked the mental capacity to discern the unlawful nature of his actions. In September, state charges were filed against Munson. In a four count criminal indictment, he was again accused of threatening bodily harm. In November, Munson entered a guilty plea to one of the state counts, and in January of this year, the judge ordered him to pay a \$500 fine, not to use his amateur equipment, and to undergo psychotherapy. He was also placed on three years probation. It sounds like that should be the end of the Munson case. But it's not. No, it isn't. The FCC reentered the act at that point and ordered a hearing on licensing before the chief administrative law judge, Lenore Ehrig, of Washington, D.C. Judge Ehrig held that since Munson was not mentally competent to discern right from wrong in his Federal



Glenn Rattmann K6NA

Tom McDuffie KM6K



# LOOK! SPECIALS!

SPECIAL:

Kenwood TR 7800.....\$359.95

NEW:

Yaesu FT 707 HF Transceiver.....\$729.00  
 Kenwood TS 130-S.....\$679.95  
 Drake TR-7.....\$1299.00  
 Yaesu FT 207R.....\$269.95

ON DISPLAY:

Yaesu FT 720 RU UHF Transceiver in stock.  
 Kenwood TS 130-S and TS 830-S; come see them.

COME IN AND BROWSE AROUND AND SEE ALL THE NEW EQUIPMENT.

5375 Kearny Villa Rd., San Diego

560-4900

prosecution, he was not mentally competent to operate a lawful amateur radio station. Operating such a station would require adherence to the law. The judge also held that when one applies for a license under Part 97, one also implies consent to certain Federal regulations. One doesn't give up his right to free speech, but at the same time some lawyers would argue that a ham license doesn't entitle you to exercise your right of free speech on amateur radio. You can play music at home, in your car, or just about anywhere else you want, except on your amateur transmitter. We might be premature in calling these precedents landmark decisions, but the actions of the administrative law judge in this case affirmed the right of the FCC to make laws and to enforce them."

Thanks to Westlink News.

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NEW MEMBERS

N6CTX	Fred Buell	1259 Beryl St.	San Diego	92109	272-3496	
N6DOM	Carl E. Schlieder	PO Box 6336	San Diego	92106	223-4169	
N6DWG	Jim Furst	10761 Via Mica,	Spring Valley	92078	461-6026	
N6DZI	Bob Durgin	451 Conception Ave.	Spring Valley	92077		
N6EAV	Dave Bard	1114 Woodrow Ave.	San Diego	92114	463-3760	
WD6EQC	Alexander V. Libre	14504 Horst Ave.	Norwalk	90650	(TMP)	
W6ESC	Gary Voyles	Box 1051	Imperial Beach	92032	429-8629	
W6IXU	Michael D. Busch	3050 Pattiz Ave.	Long Beach	90808	429-2317	(LTD)
WB6LAU	Jack T. Kaye	1149 Palau Rd.	Coronado	92118	437-4647	
WB6TFB	George W. Somes	1247 Savoy St.	San Diego	92107	222-8184	
WA6WNY	Joe Hansen	3083 Manos Dr.	San Diego	92139	475-7558	
KA6WTD	Joseph C. Good	Div 3210 SSC NTC	San Diego	92133		
WB6YBF	Larry Levenstein	5802 Corral Way	La Jolla	92037	454-5165	
KF6Z	Tom Goldrich	10757 Vista Valle Dr.	San Diego	92131		

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CONVAIR HAMS AT SCOUT FAIR

A group from the Convair Amateur Radio Club provided communications for officials at the annual Boy Scout fair held at Del Mar Saturday, April 25. This was the second year that amateur radio was used for this purpose, and as a result of the fine service provided last year, the number of officials that were provided radio coverage was doubled. Scout officials and their assigned radio operators rode in electric carts and were in constant contact by two meter FM handheld transceivers. As problems occurred, the appropriate official was notified by radio and prompt action taken. Radio operators were divided into morning and afternoon shifts.

If you are interested in participating in similar weekend public service activities, or if you know of a non-commercial activity which could use our volunteer communications service, please contact Bob Utschig, K6QJP, at 453-0148.

Provided by Joan Samuals, KM6S, instructor of the Novice code class at the Convair club.

# SPRING SALE!

## NEW EQUIPMENT SPECIALS

Model		Am. Net	Special	
Kenwood	TS-600	6 Meter All-Mode Xcvr	\$799	\$599
	TS-700SP	2 Meter All-Mode Xcvr	799	599
	TS-130S	H.F. SSB/CW Xcvr	739	675
Yaesu	FT-707	H.F. SSB/CW Xcvr	789	729
	S-1	2 Meter FM Handheld 2W	279	249
Tempo	S-5	2 Meter FM Handheld 5W	309	279
	S-2	220 MHz FM Handheld	349	310
	S-4	450 MHz FM Handheld	349	339
	KLM	661	6 Meter All-Mode Xcvr	695
		2 Meter SSB/CW Xcvr	329	199
		VHF/UHF Beams		-20%
ICOM	IC-211	2 Meter All-Mode Base Xcvr	825	539
	IC-245SSB	2 Meter All-Mode Xcvr	599	375
	IC-551D	6 Meter All-Mode Xcvr	989	849
	IC-701	H.F. SSB/CW, dual VFO Xcvr	1095	799
Dentron	MLA-2500	H.F. 2 KW Linear	995	699
	MT-3000A	Deluxe H.F. Ant Tuner	349	329
	DTR-2000	H.F. 2 KW Linear	1200	1039
MECTRON	MA-1000B	1 KW Solid State Amp, 12V	899	739
AZDEN	PCS-3000	2 Meter FM Xcvr	339	309
		with Touchtone pad kit		329
WESTCOM	RS-7A	Pwr Supl 7A@13.4 VDC	60	52
	RS-12A	12A@13.4 VDC	80	69
	RS-12M	w/Meter	100	86
	RS-20A	20A@13.4 VDC	105	88
	RS-20M	w/Meter	125	105
	RS-35A	35A@13.4 VDC	160	133
	RS-35M	w/Meter	180	149
	Yaesu	FT-127	220 MHz FM Xcvr	299
	FT-127RA	220 MHz FM Xcvr, synth.	489	419
Cushcraft		VHF-UHF Antennas		-20%

Our entire used equipment inventory has been reduced in price. Many one-of-a-kind and special items. Sale limited to stock on hand. We can ship UPS all items. Hours: M-F 11-5, Sat 10-2.

Merit W6NLO Dick K6SAL Floyd W6JSP Tim N6DRA

SPECIAL!  
1981 ARRL  
HANDBOOKS  
Reg. \$10.00  
\$7.50



# WESTCOM

1320 Grand Avenue San Marcos  
California 92069 (714) 744-0700

## WESTLINK NEWS ON SANDRA REPEATERS

SANDRA has made arrangements for the popular Westlink News, and broadcasts (QST's) commenced on 19 April on the 146.04/64 Sunday night net and April 22 on the 147.75/15 Wednesday night net. The programs were enthusiastically received and will be continued with the possible omission occasionally on Sunday night. Why so? Westlink production days are on Friday or Saturday of each week. Final editing and preparation of the master tapes are targeted toward a 10:00 PM release time on Sunday, which is after the Otay net. However, to date, the tape has been available Sunday afternoon. Only on weeks that this is the case will Otay carry the tape.

What is Westlink? Although this service has been around since it was founded by Jim Hendershot, WA6VQP, in 1976, many have had their first exposure through the SANDRA nets. One of the guys came up on Mt. Laguna the other night and asked, "What time will the Wesleyan tape be on?" Westlink is a weekly news service, a spare time project, by hams and for hams. Producer is Bill Pasternak, WA6ITF, service manager for a video service operation, who took over from Hendershot in June of 1979. Production coordinator is Bill Orenstein, KH6IAF, a broadcast engineer with the NBC radio news network, and the two voices you most often hear are Jim Davis, KA6IUH, program director for Los Angeles radio station KMPC, and Alan Kaul, W6RCL, who is with NBC TV network news. Also enlisted in the project are Bert Hicks, WB6MQV of Metromedia, and Lenore Jensen, W6NAZ, formerly with radio station KFVB in Los Angeles. A SANDRA member of the world-wide Westlink News Network is Mike Sullivan, WA6HJJ, who does such a professional job on our nets with the ARRL Bulletins. Mike is a reporter for Westlink. Westlink operates out of a studio in Hollywood, with professional equipment. Tape is made available via an automated telephone feed system.

An excellent tape/slide presentation on the making of Westlink hopefully will be available for our next membership meeting.

On Laguna the other night, several asked how they could contribute financially to this operation. To quote from the WESTLINK NEEDS HELP !! article in February 1981 SQUELCH TALES, send checks or money orders to:

WESTLINK RADIO NEWS NETWORK  
P.O. BOX 463  
PASADENA, CA 91102

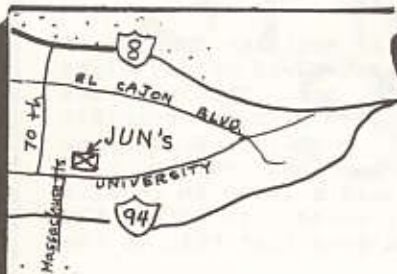
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## BIG TURNOUT FOR WALKATHON

Hams countrywide participated in WalkAmerica 1981, the annual March of Dimes event, on Sunday, April 25. Two meter communications were provided at check points on each of the six routes, in Oceanside, Escondido, Poway, El Cajon, Chula Vista, and Mission Bay. Primary purpose was to provide emergency communication, and secondary was to assist officials in keeping track of the youthful walkers.

Art Smith, W6INI, our Section Communications Manager for ARRL, estimates that 85 hams took part in the event.

# JUN'S



CUBIC SALE  
OF THE MONTH

CUBIC AMPLIFIERS  
ASTRO 103  
ASTRO 150A  
100MXA PHONE PATCHES

IN STOCK  
USED GEAR

"MOVE UP IN HAM RADIO."

I.F. SHIFT? FUSED THAT 50 YEARS AGO. WHAT A SCAM.

TALK TO ME. GET MY DEAL.

WE TAKE TRADES.

THURMAN, W600X

**7352 University Ave.**

**La Mesa**

**463-1886**



Sybil & Lon,

Please publish the following information in the next Squelch Tales and Personal Systems.

Ethel, KA6MQV, reports that a young man about 5'9" and blonde is passing bad checks under the name Robert Hanson of 6343 Jackson Drive. He is using the call N6PJN. It appears that the call, address, and name are all phoney.

As hams we tend to trust one another a great deal. It takes a turkey like this to build distrust among ourselves. If you are willing to accept a check at the Electronics Swap Meet, insist on at least two pieces of I.D., preferably with pictures and the same address on each piece. Remember, anyone can get a phoney driver's license just by applying.

We intend to find Robert Hanson and prosecute to the fullest extent of the law. We will be watching for him at the next and future swap meets. Anyone having information on this scum is invited to call me.

Thanks, Gary W6SZX  
449-1281

FOOTNOTE TO SWAPMEET RIPOFF

The scanner wasn't the only item acquired by rubber check. Herb, W6GQC, reports his Wilson Handitalkie went the same way. S/N RD4320. Same description of culprit, same phoney identification, false N6PJN call sign.

TREASURER'S REPORT  
APRIL 30, 1981

Balance Forward		\$3,177.88	
<u>INCOME</u>			
Initiation	\$130.		
Dues	687.		
Bumper Stickers	13.35		
Squelch Tales Adv.	75.		
Building Fund Donation	15.		
	Total	920.35	920.35
<u>DISBURSEMENTS</u>			
Administration & Roster	\$459.46		
Squelch Tales	287.19		
Door Prizes	71.72		
Maintenance	5.69		
Otay Building	1,750.		
New Equipment	39.96		
	Total	\$2,614.02	(2,614.02)
<u>SAVINGS ACCOUNT</u>			
Balance Forward	\$3,177.88		
Deposits, (withdrawals)	1,693.67		
BALANCE	\$1,484.21		1,484.21

NEW COUNCIL OFFICERS

SANDARC elected new officers at their last meeting. The new Chairman is Lon, W6SLF. The Vice-Chairman is Sam, KD6BW. The new Secretary is Forrest, KS6L, and the new Treasurer is Dick, W6RHI. The council is in the process of starting the planning for the 1982 combined ARRL SW Division Convention and Computer Fair, which will be held at the Town & Country in June, 1982.

There are now 15 clubs in the the council. The latest additions were the Teleprinter Society and the El Cajon Radio Club.

## ALL THOSE LITTLE EARS

It's a lazy summer afternoon. You flip on the two meter to while the time away. The repeater is dead. You sign your call "monitoring". Old buddie John comes on and you start to ragchew. You regard that microphone in your hand as John's big ear. Look closely, that is not one ear at all. Look closely. Around the edge are growing many small ears, just as attentive as John's. The repeater wasn't really dead at all. And it is not just the 900 plus members of SANDRA who might be out there. You are not just being heard all the way up into the LA basin. And it is not just all those hams. That microphone you are holding is a window to the world. According to the Los Angeles Times, more than 6 million scanners have been sold in the United States. Retail sales this year are expected to exceed \$250 million and manufacturers expect to see the market grow at a rate of 10% per year for the foreseeable future. According to a survey taken by CB Magazine, 1.5 million scanning radios were purchased last year.

You thought the repeater was dead? You thought you were talking to John? Just look at all those little ears!

Walt, W6UZI

## SURPLUS ELECTRONICS

power supplies	pc boards	motors -	solenoids
IC's	relays	connectors	lamps
switches	wire-fans	meters	hardware



## C & S SUPPLY

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El Cajon, California

Hours: Mon.-Fri. 9:30 - 5:30  
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located 1 mile north  
of Fletcher Parkway

CALL US - TELEPHONE 448-5000

## SPACE RACE

Ruben H. Fleet Space Center and Science Center and the Satellite Auxiliary of the San Diego Hall of Science 10 KM "SPACE RACE" on April 26, 1981 ran off in grand style.

The 1128 entrants had an overcast cool day for the event that lined up way before breakfast for the 8 AM start. The track was the streets of Balboa Park. Six members of the Amateur Radio Club of El Cajon provided emergency and general information communications plus photo coverage.

Joan, KM6S, Frank, WD6AXD, Bill, KD6QB, Jim, KA6NYC, and Don, KR6J provided the communications. Dick, K6PZE covered the event via camera.

Sharon Mastenbrook, race director, has given lots of praise for all the help given. It was a fun day for all the hams and the nearly 1000 runners who finished the race.

Don, KR6J

### DID YOU KNOW?

Did you know that there are amateur radio/computer networks springing up all around the country? Most of them are on the low bands and sometimes consist of stations coast to coast and including Hawaii and Alaska! The computer/hams exchange current information on their hardware and software. If you own a TRS-80, listen to 7293 KHz at 2100 zulu time. There's a voice net on 14,342.5 at 1900 zulu covering the west coast and midwest. A CW net meets at 0100 zulu on 14,060 KHz at a speed of about 25 wpm.

from The Central Illinois TRS-80 Computer Club

### EMERGENCY PHONE NUMBERS

CALIFORNIA HIGHWAY PATROL 283-6331

	FIRE	POLICE
CHULA VISTA	575-5151	575-5151
CORONADO	435-3146	435-3123
EL CAJON	442-5595	579-3311
GROSSMONT/ HELIX	442-1615	236-3111
LAKESIDE	443-7111	236-3111
LA MESA	461-1222	461-1222
LEMON GROVE	469-4113	236-3111
NATIONAL CITY	477-4111	474-5511
SAN DIEGO CITY	238-1212	236-5911
SANTEE	448-3646	236-3111
SAN DIEGO COUNTY SHERIFF		236-3111
CALIF DEPT OF FORESTRY	442-1615	
US DEPT OF FORESTRY		293-5262
US COAST GUARD (SD)		295-3121
SAN DIEGO AREA WEATHER		289-1212
AAA AUTO CLUB EMERGENCY SERVICE (SD)		560-1811
SANDRA, INC.		286-8550

### DID YOU SIGN IN?

General Membership Meeting April 16, 1981  
North Park Rec Center, 4044 Idaho St.

#### Members:

WA6BDW W6UZL WA6SPF W6INI WB6OIA N6AHJ  
KA6LKM N6AQU N6BBB WA6BCC WA6IPW WD6AZE  
WB6POW N6DPX KS6U WB6SHF WD6AJV WA6AXO  
W6OED WA6JTB N6AVR W6PDA WA6URS WB6TFB  
N6EBL WB6CDK W6GIC K6BWT W6CVK W6RHI  
W6SLF KA6JEH KG6JLB KA6IAS N6BSD WA6AIL  
WA6KHA

#### Non-Members:

WA6YDF WA2EMC KA4LIJ

#### \$25 DOOR PRIZE DRAWING

WB6PYE, Rose Pasnow Not Present

NEXT MONTH: \$30

## AMATEUR LICENSE CLASSES

John Hudson, WA6HYQ, announces that the Amateur Radio Club of El Cajon is now conducting weekly classes for those who want to become hams or upgrade. Novice, Technician, General and Advanced classes are offered. No fees. No age limit. Meet Monday night at 7:00 PM at the Office of Disaster Preparedness, 1811 John Towers Avenue, El Cajon. The instructors are WA6PEZ, WA6YFT, WB6VSL, WA6HYQ, and WD6DSV. To join, just show up on time. For further info, call John evenings at 264-8934, or you can probably find him on the 146.04/64 machine.

The classes must have done John some good. He passed his Advanced exam on April 29.

Footnote: Class will move to new location in July. Building currently used for classroom will be burned down July 1 by the El Cajon Fire Department in conjunction with firefighter training.

## REPEATER LIST

SQUELCH TALES is pleased to publish in this issue the Summer 1981 Rio Hondo Amateur Radio Club - TASMA 2 meter and 220 Repeater List. This list has been provided hot off the press by Thomas R. Polley, WA6GEV, and it represents the most current and accurate information around. Tom is on the staff at Rio Hondo College in Whittier, and is also Chairman of TASMA, the Two Meter Area Spectrum Management Association. Thanks to Tom and Karl Pagel, N6BVU, co-editor of the list.



# Lunar's new 2M 4-40P Linearized Amplifier makes your hand-held synthesized transceiver a GIANT!

**1 to 4 WATTS IN—  
10 to 40 WATTS OUT.**

- Can be used with any 1-5 watt radio.
- Linearized so it's compatible with SSB.
- Has pre-amp for receiver portion to increase power and clarity of incoming signals.
- Amp and pre-amp functions independently controllable.
- Remote control capability.
- Regulated voltage output as required by the FT 207R and TR2400 to conserve battery pack.
- Turns your 1-4 watt transceiver into a higher powered base or mobile station.
- Made with the quality and care that has made Lunar the leader in linearized amps.

2785 Kurtz Street, Suite 10, San Diego, CA 92110  
Telephone 714 299-9740  
Telex 181747

Louis N. Anclaux  
WB6NMT



*2 Meter and 220*  
**REPEATER LIST**



by  
*Thomas R. Polley*      *WA6 GEV*  
*Karl Pagel*            *N6BVU*

RIO HONDO COLLEGE  
3600 WORKMAN MILL ROAD  
WHITTIER, CALIFORNIA 90608

SUMMER 1981

## L E G E N D

- CLOSED = Requires membership in sponsoring group. Membership is open to all interested amateurs. Contact licensee or group for information.
- PRIVATE = Requires membership in sponsoring group. Membership is at the discretion of licensee or group.
- OPEN PL = The machine is open to all. No membership is required, but one must have a PL.
- ‡ (call) = ARES or RACES or Happy Flyers Search & rescue Emergency Rpt.

If you know of ANY CORRECTION or ADDITION please advise TOM WA6GEV on WR6BAC or write to : TOM WA6GEV PO BOX 603 LA MIRADA, CA 90637

For a COPY of the 2 meter and 220 lists write to RIO HONDO COLLEGE c/o THOMAS R. POLLEY WA6GEV 3600 WORKMAN MILL RD. WHITTIER, CA 90608 or TASMA PO BOX 603 LA MIRADA, CA 90637

" only 6X9 MANILA self address 2 stamps "

Freq.	Call	Location	Notes
144,17		L.A.	SSB 1296 Mhz
20		Nat.	SSB DX Calling Freq
25		SHOT	Net for Sidewinder on Two
28		L.A. & Orange	Gashouse Gang Net 8 pm Hed
33	SIMPLEX	L.A. & Orange	West Coast ARA Net M/T 5 pm
35	SIMPLEX	So. Countries	Koffee Klutchers
	SIMPLEX	L.A. & Orange	Calif Award Hunter SSB Mon 8:30
50/145.10	XE2RRR	Mexicali	Mexico
51/11	WB6QEV	Oak Mt.	Lompoc
52/12	‡ WB6ZIR W6ORD	Running Spring Hollywood Hill	ARES RTTY - ASCII only pri autopatch
54/14	‡ WR6AUM	Santiago Pk.	pri ARES
56/16	HR6ARJ WR6AHU	Santiago Pk. San Diego	pri Autopatch pri Input to 450 system
58/18	W6MPH WB6RDV	Verdugo Hills Santa Barbara	open PL-3B Telco Employees open PL-1A
60/20	WR6AFR N6BWE XE2RCD	Juniper Hills Monterey Park Ensenada	Palmdale autopatch Linked to 10 sys open PL-1A Mexico Linked to XE2RPT
61/21	WA6SEK	Altamont Pass	SF Bay & SJ Valley
21/61	WABLMF	Topanga Canyon	
62/22	WB6YND	Santiago Pk.	open PL-1A CLARA Net Lst T month 8 pm
64/24	WB6CUW	Mt. R	open-closed autopatch 7pm M swap net.
65/25	WA7UJH	Phoenix	Arizona

Freq.	Call	Location	Notes	PAGE 2
	HR6AXC	Mt. Diablo	SF Bay & SJ Valley	
66/26	‡ WB6MOQ	Johnstone Pk.	pri RACES *	
	‡ WB6MOQ	Santiago Pk.	pri RACES * ( * = linked )	
	‡ K6AZE	Malibu	open ARES	
	WR6AFR	Frazier	Linked to WR6AFR on 145.20	
67/27	XE2RPT	Tijuana	Mexico linked to XE2RCO	
	WR6BCK	Belmont	SF Bay BARC	
68/28	WR6AZN	Table Mt.	News Net Tues 8 pm	
	N6CKN	Vista	autopatch	
	WB6EDA	Camarillo		
69/29	KB7KY	Phoenix	Arizona	
70/30	‡ K6CPT	Disappointment	RACES Net Monday 7 pm	
71/31	K6BJF	Quincy		
72/32	WD6APP	San Diego	open anti PL-2A	
	W6NWP	Torrance	open PL-2A	
	XE2RPP	Puerto Penazco	Mexico linked to XE2SPM	
/33	KA6NCR	Johnstone Pk.	pri autopatch (input 147.41)	
735/335	WB6MMJ	Glendale	pri	
74/34	XE2RCC	Serro Cantu	Mexico linked to XE2RBC & XE2RFY	
745/345	HR6AIX	Orange	pri autopatch	
75/35	WD0GQL	Glendale	Arizona	
76/36	WB6YMH	Palos Verdes	VOICE - ASCII - RTTY	
77/37	WA7NHJ	Reno	Nevada autopatch	
78/38	WR6AHN	Pt. Loma	San Diego	
	WB6CIX	Loop Canyon	PL-1A	
	WR6AHA	Palmdale	open - closed autopatch	
	WB6RIM	Big Bear Lake	*	
	W6TAS	Garden Grove	* ( * = linked )	
	‡ W6NUI	Rancho P.V.	Input to 223.78 RACES	
80/40	N6ME	Fullerton	linked to 224.18 Rpt.	
81/41	WB7DZH	Apache Jct	Arizona	
82/42	N6BAE	Mt. Center	Hemet	
	WA6DLX	Beverly Hills	open PL-1A closed autopatch	
	WB6SFX	Newport Beach	pri autopatch Social	
84/44	‡ W6GNS	El Sereno-KPOL	ARES - EARN & RHARC	
	K6YUH	Vista	open - closed autopatch	
85/45	WA7TSD	Mesa	Arizona	
86/46	XE2RP	Tijuana	Mexico	
	W6FXN	Buzzard Pk.	open-closed a-patch OSCAR Net W-8 pm	
	W6FXN	Duarte Ridge	Voting link 4-Earthquake Detectors	

Freq.	Call	Location	Notes
87/47	WR7AHC	Wickenburg	Arizona
88/48	AD6P	Hollywood Hill	SCDXC Net Thur. 7:30 pm
89/49	W6VJS	San Jacinto Pk.	autopatch *89-up, †-down
145.495/4.095 †	N6FH	Costa Mesa	Reversed pri autopatch ARES
144.90 to 99		Nat.	simplex
145.00 to 50		Nat.	simplex
52	‡	L.A. Country	ARES Network Thur 7 pm
54			simplex
56	N6HE	Fullerton	pri simplex autopatch
58			simplex
60		So.Cal.	Remote Base to 220
62		Orange Co.	DX Century Club simplex
635			simplex autopatch
65	K6AA	San Pedro	UARC simplex
665	WB6DZO	Valencia	simplex autopatch
68	WB6TAM	Northridge	Remote Base from 220 CS Northridge
08/68	XE2HCN	Ensenada	Mexico
70	WB6DKF	Simi Valley	simplex link to 223.78 RTTY
715	WB6NOA	Costa Mesa	simplex autopatch
725	WB6MHF	Sylmar	simplex autopatch
74	W2MNN	Newhall	simplex autopatch
75		So.Cal.	Golden Poppies Net 7:30 pm Mon to Fir
755	W6VRF	Torrance	simplex autopatch
77	N6BCM	Anaheim	simplex autopatch
785			simplex autopatch
80		So.Cal.	450 Mhz & 220 Mhz Remotes
80 TO 995		Satellite	OSCAR - AHSAT
146.01/61	WA6KHV	Silver PK.	Bishop
	WR6ASA	Fresno	
	WA6RDD	Hollywood Hills	linked to WA6JUF on 146.04/64
	WA6EZL	Mojave Desert	open P1-1Z Linked to WR6AFR 145.20
	K6EO	Cactus City	Indio
	W7TA	Virginia City	Nevada
	HR7AMH	Tucson	Arizona autopatch
	XE2AXR	Mexicali	Mexico
	N7EE	Las Vegas	Nevada
	W7HCF	Lake Havasu	LHCARC Arizona
625/025	WA6FEO	La Canada	CVARC
	W6ELZ	Pomona	open closed - autopatch
04/64	HR6ACF	Mt. Dtag	SANDRA Net Sunday 8 pm
	HR7ABQ	Phoenix	Arizona-autopatch *123 up, *123 down
	WA6JUF	Folsom	linked to WA6RDD on 146.01/61
	HR6AST	Donner Pass	Lake Tahoe
	WA7GHW	Show Low	KARC Arizona
	HR6AQJ	Bishop	GRONK Radio Net
	WB6RSM	Lancaster	autopatch * = up † = down
655/055	‡ WR6AVJ	Montebello	open - closed autopatch - ARES
	‡ WA6GEV	Whittier	open - pri autopatch - ARA - ARES
	? ?	Porterville	open
	WR6AJC	Lake Country	open
	KB6NE	Yucaipa	open - pri autopatch
	WA6KHG	El Sabrante	open



Freq.	Call	Location	Notes	PAGE 4
07/67	WR6ABJ WA6OBT WR6AIH WA6CLS WB6PMF W6KPS WN9HGB WR7AMH	Hollywood Hill Thousand Oaks Baker Bakersfield Lookout Pk. Pismo Beach Las Vegas Tucson	Henry Radio open PL-3A 1800 HZ Tone Burst  autopatch autopatch Nevada Arizona	
685/085	WR6AZX K6OPY KA6IIX KA6AMR	Anza San Diego Irvine Duarte	open pl-1B pri testing West/Coast ARC testing R.C. Aircraft closed	
10/70	W6IHO WR6AQQ XE2RSL	Contractors Pt. Escondido San Luis R.C.	RTTY RTTY Mexico	
715/115	K6CJX	Beverly Hills	pri autopatch	
13/73	WR6AGX WR6AGH WR6AII WA6NUD WB7EPH # WA7HUH WB6FZK	Hauser Pk. Hall Canyon Mt. Palomar Monterey Park Las Vegas Pinal Pk. Bear Mt.	antelope Valley Ventura Mt. Palomar ARC San Diego COLA Nevada RACES Arizona SJ Valley	
145/745	N6TD	Palos Verdes	pri autopatch	
16/76	WR6AFX WR7AEL KL7HIN WA7ZZT WA7PSK	Barstow Kingman Reno Scottsdale Ajo	Arizona Arizona Nevada autopatch SARA Arizona Arizona	
76/16	W6NIN WA6ATI	Mt. Lukens San Diego	Tujunga	
775/175	# WR6BAC WB6UVD KY4Z WA6TQH N6AHW	Whittier Sieglar Pk. San Jose Livermore Palos Escritos	ARES & RHARC News Net @ pm Wed.  closed	
19/79	# WR6ACB K6TZ WA6ATY WB6NRL W7UIZ W7JLN W7MZ WR6ADU WR6AJB	Brea Santa Barbara Yucca Valley Lake Hughes Reno Las Vegas Tucson Sacramento Monterey	AARA Tues 7:30 pm ARES Net autopatch * up # down MBARCR pri Lancaster Nevada DRRA Nevada SARA Arizona RAMS TSRA	
79/19	WA6PEZ KA6EEC	Santee La Mesa	San Diego San Diego	
805/205	W6TEZ W6THP	Saddle Pk. Signal Hill	pri MRA pri LBYC	

Freq.	Call	Location	Notes	PAGE 5
22/82	W6FNO	Johnstone Pk.	* Net 7 pm Tues ( * )	EARS
	W6FNO	Onyx Pk.	* Net 7 pm Tues	Simucast EARS
	WR7ABR	Flagstaff	NARA Arizona - Grand Canyon	
	XE2RCE	Ensenada	Mexico	
	WB6FMC	San Luis Obispo		
	WR7AGY	St. George	Utah	
	WR7ABT	Phoenix	HCRC Arizona	
	WR7ABH	Tucson	TAR Arizona	
	K6VG	Lone Pine		
XE2EBC	Ensenada	Mexico		
835/235	WA6RJA	Palos Verdes	pri autopatch	SCARN
25/85	† WR6ACJ	Crestline	Religious Net M-F 6 am	ARES Wed 7 pm
	WR6AYG	Thousand Oaks	open pl XZ or M1 autopatch	
	WR7AXA	Heavenly Vly	Nevada Lake Tahoe autopatch	
865/265	WR6BDL	Van Nuys	LARC	
	N6BSD	Mt. Dtag	San Diego	
	WB7RFD	Mesa	Arizona	
28/88	WR6AOX	Sulpher Mt.	Ventura - autopatch	
	WR7ADZ	Las Vegas	Nevada - LVRA autopatch	
	WR6AFV	Riverside	autopatch	
	W6MNH	Escondido	EARC	
	WR7AKX	Yuma	Yuma ARC Arizona	
	WR6ALW	Susanville		
	W7RVY	Page	GCHA Arizona	
	KB7JT	Cornville	Arizona	
	WR7AHK	Mt. Lemmon	TRA Arizona	
WR6ALP	Eureka	RR		
295/895	† W6KRW	Orange Co.	RACES Net Mon. 7 pm	
31/91	WB6MTG	Running Springs		
	XE2RMX	Mexicali	Mexico	
	WR6ACE	Mt. McKittrick	Bakerfield	
	W6LNB	Mt Dtag		
	N7XL	Heliograph Pk.	EAARC Arizona	
	WR6AEN	Sacramento	AE Net	
925/325	KB6GY	Mt. Wilson	L.A. School ARA - open after 3 pm	
	WA6TFD	Baldwin Hills	pri	
	K6MAR	Alpine	San Diego	
	W6PMJ	San Clemente	pri BCWS	
34/94	WR6ADA	Palm Springs	Desert Rats	
	WA6EFW	Victorville		
	W6TD	Silver Pk.	Bishop	
	WB6EYH	L.A.	Special Event	
	WB6VII	L.A.	on 1-3-6-9 off 1-3-6-1	
	K7UGE	Las Vegas	Nevada - LVARC autopatch	
	XE2RBC	Tijuana	Mexico linked to XE2RFY & XE2RCC	
	WR6AHH	Lake Havasu		
	W6KPS	Santa Maria		
	WA6YBN	Ridgecrest	FM Translator	
	W6TD	Fresno		
	W7EX	Phoenix	Arizona	
	WA6BNU	Ventura Hills	Solar Power	
WB7PKV	Mt. Lewis	Nevada		
K7CC	Tucson	MARC Arizona		
K7GHC	Navajo Mt.	GCHA Arizona		

Freq.	Call	Location	Notes
	K7DLN W6JKA WB6RSK	Guthrie Pk. Round Top Pomona	EAARC Arizona SF Bay
955/355	K6DLG	Monterey Park	JARC Net Mon. 9 pm
37/97	WR6AMH XE2SPH K6QEH WB6LYB WA6NIS W7LWE W7GVT K6LY K6YUH WA6OYS	Barstow Diablo Pk. Fullerton Trona Saugus Lake Havasu Casa Grande Monterey Vista Oxnard	autopatch *up #-down Mexico linked to XE2RPP SOLAR POWER HARC 2100HZ T/B aft 10pm W-Net 7:35am Searles Valley Arizona SOLAR POWER CGRA Arizona NPARC autopatch open closed-autopatch
985/385	WR6AUR	San Diego	pri
385/985	‡ WB6FUB	Keller Pk.	open-closed autopatch Net ARES Tu 7 pm
146.16		L.A.	simplex
34		L.A.	simplex
43		Nat.	Audio for ATV
46		Nat.	450 Remote Bases
49		Nat.	450 Remote Bases
52		Nat.	Call Freq. simplex
	WB6PWA	L.A.	Award Hunter Net 9 am Sunday
55		Nat.	simplex
58		Nat.	simplex
76		L.A.	simplex
94		L.A.	simplex & Remote Bases
146.40/147.435	WA6KDS	La Habra Hills	M-News & W-Swap Nets 7 pm
147.60/00	WB6BJM ‡ N6ZF W7WGH	Hollywood Hill Santa Barbara Mingus Mt.	pri autopatch RACES MMRG Arizona - Grand Canyon
615/015	WA6MPV WA6MPV WA6MPV WA6MPV	Signal Hill Santiago Pk. Mt. Wilson La Habra	pri * pri * pri * ( * = linked ) pri *
015/615	WR6AXA	Stateline	Lake Tahoe
63/03	W6BRD WA6GML K7ZUY N7RH WR7AOP WR6AEV WB6BOD	Bel Aire Bakersfield Prescott Reno Mule Mt. Red Hill Mt. Palomar	pri autopatch PBARC Arizona Nevada-autopatch *89-up, *89-down EAARC Arizona SF Bay ANCOM autopatch Poway ARC net 8 pm Wed & Thur
045/645	‡ WB6AWP	Laguna Beach	ARES Wed 7:30 pm & traffic M-Su 9 pm
66/06	WR6AEG WR6AEH WR6ABU W6TIE WA6ATY W7UXZ	Canoga Park Palos Verdes L.A. Chula Vista Copper Mt. Tempe	pri * top 3 pri * in one pri * group (*) pri autopatch open (29 palms area) Arizona

Freq.	Call	Location	Notes
	WD6BZS	Pt. Mugu	open
075/675	# WB6FIU	Redondo Beach	closed RACES
69/09	WR6AAA K6KZT WA6HRE WR7AHK	Catalina Is. San Luis Obispo Blythe Mt. Lemmon	Swap Net Mo. 8 pm 1800 HZ Tone Burst SOLAR POWER TAR Arizona
105/705	K6QQN WB6FZC WB7UHI	Flint Pk. San Diego Phoenix	Pasadena ARC pri autopatch Arizona
72/12	WR6ADH W6EKO K6AFE WB6PMF WR6ADQ WB7TJD	Glendale Lompoc Bakersfield Brawley Victorville Apache Jct.	non-oper autopatch autopatch *07-up #down autopatch *up #down autopatch autopatch SARC Arizona
135/735	WR6AHM W6FQX	Magic Mt. Fire Mt.	FRN Net Mon 8 pm Oceanside
75/15	W6PDA WR6ACT WB7DRD KB7AG	Mt. Laguna Barstow Mt. Lemmon Kingman	SANDRA Net Wed 7:30 pm autopatch Arizona Arizona
165/765	# WR6AGV	Mt. Wilson	SGVARC Net Su 7 pm & RACES Mo 7 pm
78/18	WR6ABV WA6CAH WA6VFO KB7BP # WC7AAC # WA7ANA XE2AXR XE2REB WA7YRD # WB7HTS	Contractors Pt. Reche Pk. Palos Verdes Hawthorne Las Vegas Reno Mexicali Ensenada Mt. Ord Ely	pri * pri autopatch pri * ( * = voting links ) Nevada linked to WR6AEY 147.27 Nevada RACES Nevada RACES Mexico pri-autopatch Mexico Arizona Nevada RACES
795/195	# WB6AOT # WB6AOT WA6UNH	Cuyamaca Pk. La Posta Oat Mt.	San Diego RACES San Diego RACES pri
21/81	WB6GGL	Mt. Baldy	Linked to 220 & 2 meter systems
81/21	W6KPS W7CKH WB7BYV	Santa Maria Henderson Phoenix	autopatch & linked 31/91 Bakersfield Nevada Arizona
225/825	WR6ADT	Castro Pk.	pri autopatch
84/24	W6MEP WR6AHA WB6NQJ W7JI K7CC	Mt. Lee Juniper Hills East Pk. Jerome Tucson	Code Practice pri autopatch Lake Tahoe Arizona MARC Arizona
255/855	WA6ZMZ WA6YNT	San Diego Anaheim	open - closed autopatch NARC - closed autopatch

Freq.	Call	Location	Notes
87/27	• WR6ABD WR6AEY WA7KOH WB7CBQ	Disappointment June Mt. Phoenix Window Rock	RACES closed after 10 pm MCARC linked to KB7BP 147.18 MMRG Arizona Arizona
285/885	K6QL	Sharp Hospital	SANDRA autopatch
90/30	WA6PPS N7RH K7NHR • K7CET N6DBA	Oat Mt. Lake Tahoe Glendale Tucson Whittier	pri Nevada Arizona PC RACES Arizona open P1-3a
315/915	WB4YPX K6GHH	Anaheim San Diego	AARC
93/33	XE2RFY WB6SXD W6IYY W7NA WB7DMM	Sierra Bola Big Bear Lake Coalinga Phoenix Tucson	Mexico linked to XE2RBC & XE2RCC 6am to 10pm  Arizona Arizona
945/345	WB6MTK	Whittier	pri
345/945	WR6AOC WB6MQM WB6EZI WR6AIX	Santa Barbara Loma Linda Canoga Park Garden Grove	autopatch pri pri input 144.56
96/36	WR6AAD WR6AAE WR6AAH WR6AAI WB6HNY W6TEZ WB7ACC WR6ASK	Mt. Wilson Palos Verdes Disappointment Verdugo Beverly Hills Malibu Phoenix Visalia	pri * all pri * 6 pri * in pri * DARN pri (* = linked) pri ARA Arizona
375/975	WD6DPY N6AHI • N6ATF	Fullerton Oxnard Yucaipa	open - closed autopatch autopatch Linked to N6AJI 450 Mhz H.F. S & R
99/39	K6QKG K6QKG K6QKG K6QKG W6NIN K7CXA K7KT WR6AQZ	Mt. Dtag Woodson Mt. Pt. Loma Borrego Spr. Tujunga Payson Tucson Sacramento	pri top pri 4 pri in pri DR0NK open Arizona Arizona STAR autopatch
147.40	WB6HLQ	Placentia	simplex pri-autopatch
42		Nat.	simplex
45		Nat.	simplex
48		Nat.	Net Freq.
495	W6UUS	San Diego	pri simplex autopatch
51		So. Cal.	Audio for ATV
525		L.A.	Remote Bases
54		Nat.	simplex
57		Nat.	simplex

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Freq.	Call	Location	Notes
220.00/220.70		Two way links or aux links outputs	
220.72/220.90		One way control links	
220.92/221.10		Non relay direct modes	
221.12/221.20		One way control links	
221.22/221.90		Two way links or aux links inputs	
221.92/222.18		Weak signal DX, CW, SSB, and AM modes	
223.40/46			simplex
46	Primary Nat.		remote base Calling
48			simplex
50	Primary Nat.		FM Calling
52/58			simplex
60	Sec. Nat.		remote base Calling
62/68			simplex
70	Primary Nat.		RTTY
72			simplex
74	Primary Nat.		ASCII 300 Baud
76	Sec. Nat.		FM Calling
78	Sec. Nat.		RTTY
222.20/223.80	‡ K6CHE	Long Beach	open RACES
	‡ WD6APP	San Diego	closed RACES
22/82	XE2UUD	Tijuana	Mexico
24/84	K6SHM	Victorville	VOICE - RTTY - SLOW SCAN
	XE2UUD	Mexico	
	XE2RCO	Mexico	
26/86	N6WA	Reseda	open-closed autopatch & remote 145.60
28/88	WB6ELR	Mt. Washington	closed-autopatch linked to WB6GGL
30/90	WB6LHK	Oat Mt.	open-closed autopatch (open to all)
32/92	K6TZ	Santa Cruz Is.	Santa Barbara ARC
34/94	WA6NTH	Mt. Washington	
	WB7TLS	Tucson	Arizona
	WR6ASW	Santa Maria	
36/96	‡ N6ZF	Broadcast Pk.	S.B. RACES
	WR6AZN	Table Mt.	JPL - linked to WR6APS
38/98	W6NRY	Johnstone Pk.	EARS
2.40/4.00	WB600Q	Sunset Ridge	open PL-1B reqd. closed autopatch
42/02	WR6ADX	Sulphur Mt.	
	WB6TOP	Mt. Helix	open - closed autopatch
	WB6SXE	Big Bear	

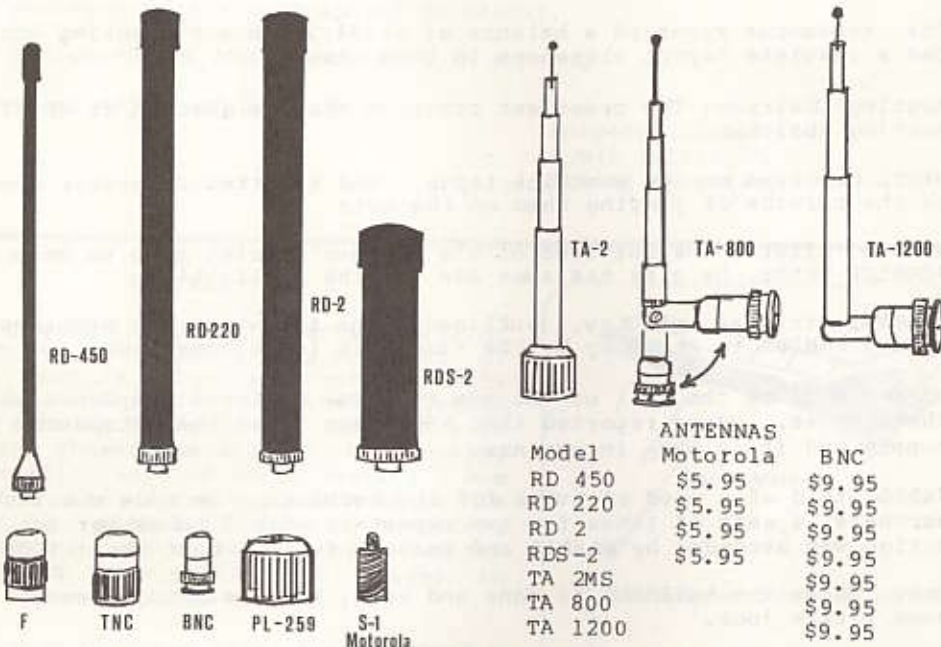
Freq.	Call	Location	Notes
44/04	WR6APS	La Canada	JPL - linked to WR6AZN
46/06	W6PDA WB6FYR	Mt. Laguna Peacock Hill	remote 145.60 Tustin
48/08	WR6APR	La Canada	JPL - closed autopatch
50/10	WR6AHX W7EV	Santa Ana Reno	Nevada
52/12	WR6AQE K6HHE	San Diego Whittier	closed autopatch
54/14	K6GCN	Saddle Pk.	closed autopatch & remote base
56/16	WB6GGL	Mt. Baldy	closed-autopatch linked to 147.81
58/18	K6GXD N6ME N6CFD WR6BBU	Palmdale Fullerton San Roque Hill Mt. Onyx	Linked to 145.40 Rpt. S.B.
60/20	WR6ACF WB6APP	Mt. Otay Lancaster	SANDRA
62/22	W6HIL	Anaheim	
64/24	WA6EQU	Hollywood Hill	closed autopatch & remote base
66/26	N6UL	Malibu	closed
68/28	W6NUI	Palos Verdes	Westlink Tapes - T/TH 8 pm
70/30	✱ WR6ABR WB7DRD WA6RKK	Disappointment Mt. Lemon San Diego	RACES Arizona testing
72/32	WB9RNW WA6KYZ	Mt. Wilson Laurel Mt.	closed remote base
74/34	WD6DYY WR6AHN WD6CMY	Contractors Pk. Mt. Otay San Bernadino	closed closed autopatch testing
76/36	WR6ABC	Lookout Mt.	closed autopatch Westside ARC
78/38	WR6AVG	Palos Verdes	
80/40	WA6UNM	Oat Mt.	closed autopatch
82/42	WR6AAA	Catalina Is.	
84/44	WA6IWB	Monterey Park	S. Pasadena RC
86/46	WR6AKY	Pt. Loma	
88/48	K6VT	Mt. Wilson	closed
90/50	WR6ACB	Brea	Anaheim ARC
92/52	WA6VQP WB6AKR	Mt. Luken Hemet	closed autopatch remote base open - closed autopatch

Freq.	Call	Location	Notes	PAGE 11
94/54	K6PQN W6SLF WR6BDD	Puente Hills San Diego Lake Tahoe	open - closed autopatch Nevada autopatch	
96/56	WR6AUJ WA6MFG	Running Springs Tujunga	open-closed autopatch & linked to Az. closed 145.6 remote base	
98/58	WA6VNV	Oat Mt.	open closed-autopatch & 145.60 remote	
3.00/60	KA6N	Palos Verdes	Hughes ARC	
02/62	W6VPZ	Palos Verdes	Northrop ARC	
04/64	WR6AFJ WB6TAM WR6AIP W6TIO	Palos Verdes Northridge La Mesa Laguna Beach	closed closed autopatch closed autopatch	
06/66	W6UPP	Lemon Heights	open - closed autopatch	
08/68	WA6MDJ WA6VLF	Baldwin Hills Mt. Otay	closed autopatch closed	
10/70	WR6AYI	Laguna Beach	VOICE - RTTY	
12/72	W6IHO	San Jacinto Pk.	RTTY SCATS	
14/74	WR6ABJ	Hollywood Hill	Henry Radio	
16/76	WR6BAE	El Sereno-KPOL	Edison ARN	
18/78	WB6QAY	Hollywood Hills		
20/80	WA6BMA WA6BMA	Santiago Pk. Johnstone Pk.	closed autopatch SPARK closed autopatch SPARK	
22/82	KA6EEG	Mt. Otay	RTTY S.D.TPS	
24/84	K6BWA KS6E	Hollywood Hill Sylmar	closed autopatch closed autopatch	
26/86	W6JBT	Crestline		
28/88	WR6AXE WB6QHR	Oat Mt. Artesia	closed closed RALAC	
30/90	WD6HFR WB6RHQ	Mt. Palomar Thousand Oaks	220 Club S.D. open - closed autopatch	
32/92	WA6POI N6WF WB6VTH	Mt. Palomar Palos Verdes Pt. Loma	closed autopatch closed autopatch open	
34/94	WA6DVG WB7OMH WR7ABT	Mt. Wilson Tucson Phoenix	Arizona Arizona	
36/96	WR6AYY	L.A.	open - closed autopatch	
38/98	K6KGS K6KGS	Mt. Wilson Mt. Otay	closed autopatch closed autopatch	



# THE TUNED ANTENNA

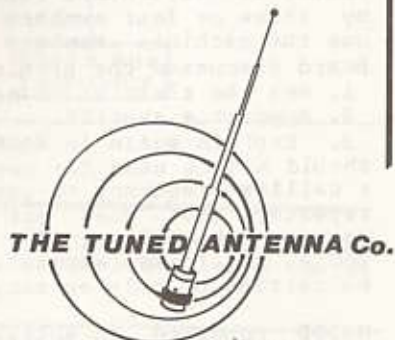
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9520 Chesapeake Dr. # 603  
San Diego, California 92123

BOARD MEETING MINUTES  
MAY 7, 1981

Board members present: WA6JTB, WA6KHA, WA6BSD, WA6CDK, WA6AIL, N6LY.  
Guests present: W6PDA, WA6YVX, W6GIC, dW6UZL, K6BWT, WA6OYI, WA6BDW.

The membership chairman, WA6KHA, reported we are still getting new members and renewals at a good rate.

The treasurer reported a balance of \$1484.21 in our checking account. See a complete report elsewhere in this issue.

Meeting Chairman: The president accepted the resignation of WB6RIR as meeting chairman.

W6UZL reported on the Westlink tapes, and reported favorable comments on the service of playing them on the nets.

WA6OYI offered the services of his brother's print shop to help print SQUELCH TALES. He also has some ads for the publication.

WA6YVX, trustee of Otay, outlined plans to switch the machines and return SANDRA to Mt. Otay by the time this issue comes out.

WA6KHA will be the call of the new repeater on Lyons and Vance will be the trustee. Vance reported that N6BSD has fixed the autopatch power supply and it is back in use now.

N6BSD told of a need of tubes for the machines. He made a motion to purchase 4 sets of tubes for two repeaters with 3 tubes per set. The motion was seconded by WA6AIL and passed. It will cost about \$200.

Otay Site: The building is done and ready for occupancy, except for some little jobs.

Otay Site Rental Plan: The committee is looking at lease agreements and deciding what parts are needed for our purposes.

Misuse of Otay: N6BSD reported that the continuous day in, day out use by three or four members is upsetting many members who aren't able to use the machine. Members are calling in and complaining about it. The Board discussed the problem and came up with the following comments:

1. Set the timer at 60 seconds.
2. Appoint a sheriff.
3. Explain again in SQUELCH TALES that repeaters are channelized and should NOT be used for continuous ragchewing. 04/64 should be used as a calling frequency to contact someone to take them to simplex or to a repeater that does not have 800 members who may wish to contact someone themselves. The Lyon's Peak repeater can be used for longer QSO's, and it was suggested that people suggest that long QSO's should be carried on only on simplex or on the Lyon's Peak repeater.

N6BSD reported on autopatch interference with WR6ABQ. By the next TASMA meeting, the person in charge of that machine will report what

has been done about the problem. The next meeting is May 15, and N6BSD can't attend. WAGEYX will probably attend for SANDRA.

It was suggested that SANDRA should put up a sign on Highway 5 and 8 coming into town with the 04/64 frequency on it big enough for visitors to see when coming into town. The Chamber of Commerce is the agency to contact.

Taped messages were also proposed by WA6OYI.

K6BWT announced the ARRL Convention in Fresno.

The meeting adjourned at 8:38 PM.

Respectfully,  
Sybil Allbright  
Acting Secretary

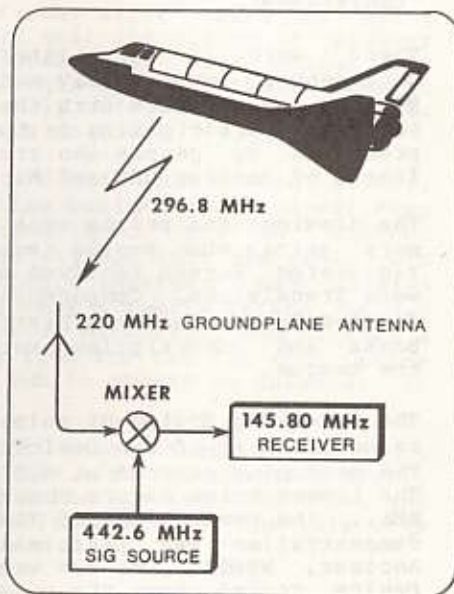
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#### SHUTTLE TALK

Bob Gonsett, WA6QQQ, reports receiving direct voice signals from Orbit #1 of Space Shuttle Columbia by using simple ham radio equipment. Minutes before local sunrise on April 12, 1981 - as TV stations showed the shuttle approaching the Pacific Coast of North America - Bob detected the first doppler shifted AM modulated signals. The shuttle's transmitter was turned on only when the astronauts were talking and stayed in range for only a few minutes.

The system pictured here, built around a Mini-Circuits Laboratory Type ZAD mixer (about \$30), was all that was required. Note the 220 MHz ground plane antenna which provided surprisingly strong signals even though it wasn't cut for frequency. You might try a similar receiving set up next time the shuttle comes around. After all, S.S. Columbia is rare DX.

Bob Gonsett, WA6QQQ



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It was Samuel Langhorne Clemens who said in 1897 "The reports of my death are greatly exaggerated." The report of Squelch Tales' demise was also greatly exaggerated!

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FOR SALE: Yaesu FT 207-R Synthesized HT with speaker mike. Excellent condition. With wall charger and rubber duck. Call with offer. Ken, KD6TX (ex KA6KGT) at 578-3017.

## TWENTY SIXTH ANNUAL WEST COAST UHF CONFERENCE

This year the 26th Annual VHF "Gettogether" was held at the HILTON in Sunnyvale with some 150 attending. Project OSCAR Inc., sponsored the Event. Project Oscar is 20 years old this year. The Coordinator was H. Paul Shuch, N6TX (WAGUAM), well known Contributor to Amateur Microwave Communications, Chief Engineer of MICROCOM Company and a Project Engineer with the Oscar program.

Each year, traditionally in May, many of the dedicated VHF, UHF and Microwave oriented Hams, residing along the West Coast, gather at a prearranged place for the primary purpose of evaluating "Homegrown" Antennas. It started almost 30 years ago in the San Francisco Bay area when a few, serious VHF Antenna builders arranged a meeting, on a Sunday to compare their designs. It became a contest when they began the measurements, and it was called The West Coast VHF Antenna Contest. In those days People attended by invitation. It grew with time and the addition of other Activities, Noise figure measurements, Talks, prize drawings, an occasional "Flea Market" until now it is a full 2 day Affair and the name has been appropriately changed to "Conference".

There were 12 very interesting Technical Talks given at the Conference, on Saturday morning, 4 Saturday afternoon and 5 in the Evening to coincide with the Noise measurements, for the benefit of those not participating in the Noise Figure activity. These Talks were presented by people who are Experts in this field and covered all facets of Amateur UHF and Microwave Communications.

The drawings for prizes took place at 5 PM, there were some 160 prizes more prizes than People registered. The way it was arranged, every registered Person received a prize. The prizes, for the most part, were Transistors, Components, Antennas and Test Equipment. These were donated by Manufacturer/Distributors concerned with VHF Hardware. The Books and Subscriptions were the donations of Publishing Houses and the League.

The Receiving Equipment noise figure measurements were started at 8 PM as usual. Most of the Devices were either Down Converters or Pre-Amps. The measuring started at 432 MHz. and went through "X Band" (10 GHz.). The lowest noise figure observed was that of a Gas-Fet Pre-Amp at 432 MHz., the reading was .5 (1/2) decibel. An interesting experiment or demonstration was performed during the 432 measurements by Lou Ancliaux, WB6NMT. Dry ice was put inside a Gas-Fet 432 Pre-Amp, as the Device cooled down the noise figure was lowered to a point where an accurate measurement was difficult.

The Antenna measurements took place on Sunday Morning as always, in an open field, at the east end of the Hotel Complex. The modulated "source" was put on a Vehicle some 100 yards into the clear field. The measurements were made from the edge of the parking area where the paved surface provided solid ground for measurement activity. Some 30 Contestants measured their 40 odd Antennas, ranging from 432 MHz. Beams to the "X Band" "Dishes".

Participants from the San Diego Area were Louis Anciaux, WB6NMT, Mike Horgan, WB6RIR, Dan Peterson, WA6OIL and Red Truax, W6BLK.

Next year the VHF/UHF Conference will be held here in San Diego.

D.W. Truax, W6BLK

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#### IF YOU THINK YOU HAVE TVI PROBLEMS

Guglielmo Marconi needed police protection from people who threatened to kill him because they thought his radio waves were harmful to life. The frightened people complained that the radio signals were passing through their bodies and making it impossible for them to sleep. A wealthy woman charged that the waves made her feet itch. A German man publicly made plans to go to England and shoot Mr. Marconi, but was turned away by British authorities.

The hostility toward the inventor came after years of being ignored by the public. In 1894, the 20 year old electronic pioneer coaxed his crude equipment to send a signal a few feet across his room. Next year his signals spanned the length of his father's home in Bologna, Italy. When Marconi patriotically offered his invention to the Minister of Post and Telegraphs, he was snubbed.

Marconi packed up his equipment, and with his Irish mother, sailed to England. Surely, he thought, the world's greatest maritime power could use ship-to-shore communications. British customs officials ignored his frantic efforts to explain that his radio was not an explosive device or bomb. The delicate instrument was damaged by their forcing it open. The following year a family friend helped him gain the attention of the British Postal Authority, and he gave a demonstration that he could send a signal from the General Post Office to a nearby building. The press and the public showed no interest in the feat at all.

Marconi then constructed a bamboo tower that thrust his transmitter 90 feet in the air and sent his wireless signals nearly two miles. He had built something too big to be ignored this time, and the press took notice. Years later, he sadly observed, "The calm life is over."

The publicity aroused fears in a previously indifferent public about the possible harmful effects of radio waves. A flood of crank mail, some containing threats on his life, came pouring in. Guarded by the police, Marconi moved his operation to Wales in 1897. Soon he spanned the Atlantic Ocean with his wireless signals. It was more than two years after this that the public outcry diminished enough for Scotland Yard to withdraw the police guards protecting the man who many claimed was insane. Today we remember the man who developed radio for the world.

from the Orange County ARC

JOHN DOE'S REPLY TO DOCKET 80-729

Federal Communications Commission  
Washington, D.C. 20554

Re Docket 80-729

Gentlemen:

I have been a licensed Amateur Radio operator for \_\_\_\_\_ years, and currently hold an Amateur \_\_\_\_\_ Class license. As a \_\_\_\_\_-year member of the Amateur Radio Emergency Service, I participate regularly in public service events and, over the past \_\_\_\_\_ years, have provided communications during emergencies such as fires, floods, and earthquakes.

After reading Docket 80-729, and discussing it with many of my Amateur Radio friends, and at club meetings, I STRONGLY RECOMMEND THAT THE COMMISSION DISAPPROVE THE ENTIRE DOCKET, for the following reasons:

1. The present rules are perfectly understandable. The premise that "the existing rules are unnecessarily complex and difficult to understand" is fallacious.
2. The real justification seem to be "we issued a 'plain language' revision of the CB rules, which was met with widespread acclaim."
3. The elimination of the present Basis and Purpose (97.1) and substituting an unrelated definition completely deletes the role of amateur radio in service to the public and subverts the role of amateur radio as we have known it for many years. No longer would it serve the public interest, convenience or necessity.
4. The proposed rules deviate so extensively from the present ones that to comment on the substance would, in effect, require a complete re-write of the proposal. Since it took the Commission's staff 18 months to draft the proposal, a re-write by the users of the Amateur Radio Service obviously would be infeasible.
5. The language of the proposal belittles the intelligence of Amateur Radio operators who, obviously, have been capable of understanding the present language since they did pass the Commission's tests and obtain their licenses even as young as 5 years of age.
6. There are many of the proposed rules which are less simple and understandable than in the present rules.

Sincerely yours

John Q. Doe WX6XXX

1234 Ham St.  
San Diego, CA 92000

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The above should be used as a guide. You may not agree with the points made. Substitute your own words and arguments. At this time, I firmly

believe that we should reject the entire docket.

Keep your reply to one page. It stands a better chance of being read by the Commissioners. Send an original (WITH SIGNATURE) and 11 copies. Then all Commissioners and staff department heads will have a personal copy. If you send 5 copies, only department heads will see it. If you send only 1 copy, it will go to the secretary who will compile the statistics to present to the Commissioners. So squander \$.33 on 11 copies. It would also be advisable to make an additional copy and send to ARRL, 225 Main St., Newington, CT 06111 so that they can know what we, in the field, are thinking and, hopefully influence the League's reply.

Art Smith, W6INI  
SCM, San Diego Section

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#### BLUE BUG'S BREAK

Who is Lloyd L. Palmer? Or maybe, who was Lloyd L. Palmer...? He wrote BLUE BUG'S BREAK, CB Radio News, a column that appeared every Wednesday in the Evening Tribune, since way back in August, 1977. If you missed the April 15, 1981 column because you were out mailing your tax return, you missed his last column. It was in that column that he passed on his last "10-7 Good Buddies"...or at least he said it was his last column. If the CB world raises as much fuss over the termination of their newspaper column as was threatened by several people on the air when the board voted out SQUELCH TALES, maybe it won't go. It would have been far more effective, though, if the "talkers" would have shown up at the meeting and voiced support...or even offered to lend a hand like two very generous members did, Walt Hicks, W6UZL, and Don Drake, WA6IPW. At least that may have made a quorum...what can the group accomplish when there are 870 voting members and only 33 show up at the meetings?

Anyhow, I for one, will miss Mr. Palmer's contribution to the CB and amateur world. He really didn't state exactly why he was terminating the column, but I'll quote a line I liked which may say it all. "During the years of the column, CB radio has gone from being the IN THING to THEY AREN'T WORTH STEALING 'cause no one will buy them." Does that mean that the many hams with mobile rigs in their cars can relax, because the 2 meter rigs look like CB rigs and they are not worth stealing either? Well, for one, I'll still keep my car locked on the street, and take in the rig at night....73's

W6RHI

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FOR SALE: Memory Board. Motorola SMS3508-1 16Kx8 Bit Memory System, expandable to 32Kx8 on an S-50 board, by adding 8 more SCM4116L25 chips. With 12 pages of documentation. \$200 plus tax and \$10 shipping and handling. Call Dick Ferree at (714) 465-6792.

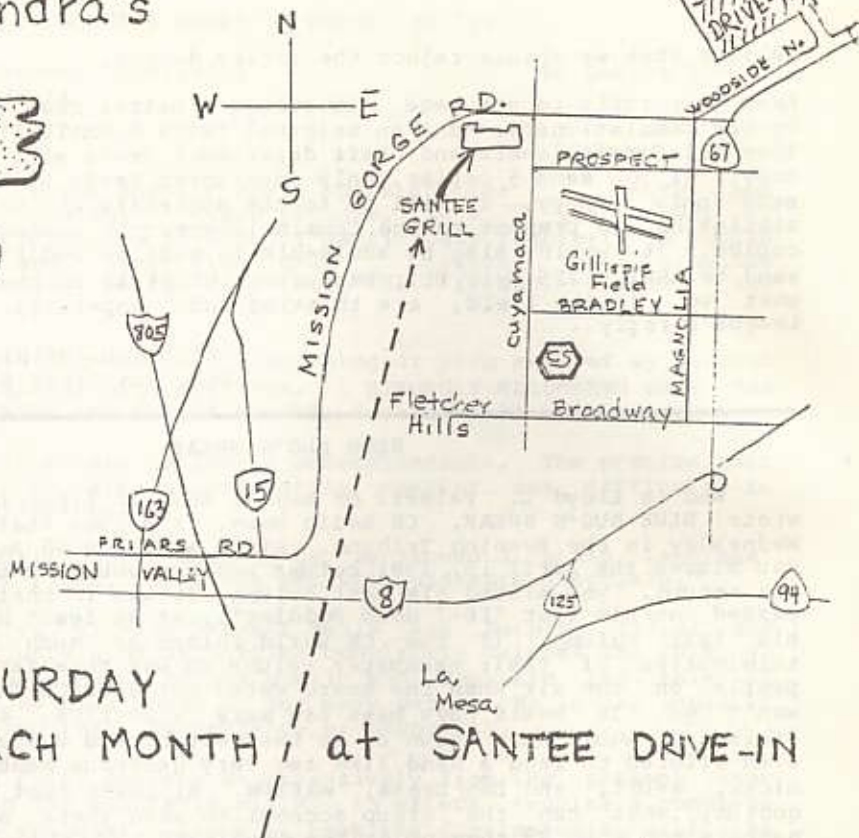
WE GOOFED: SANDRA EDITOR goofed last month in repeating the Western Radio ad in the SQUELCH TALES. It was our error. Many items were no longer available and it should have been revised. Sorry, Sybil.

Come to Sandra's

# SANTEE SWAP MEET

## 7-AM

FIRST SATURDAY  
OF EACH MONTH / at SANTEE DRIVE-IN



COME IN FOR BREAKFAST BEFORE THE SWAP MEET  
WE OPEN AT 5:00 A.M.

**COUPON**

**SANTEE GRILL**  
& FAMILY RESTAURANT  
9569 MISSION GORGE, SANTEE

**HAM RADIO SPECIAL!**

COUNTRY SAUSAGE, EGGS, &  
BISQUITS W/COUNTRY GRAVY  
FOR \$1.99

**DISCOUNT**



## PROPOSED BILL

Senator Barry Goldwater, K7UGA, and the members of the Communications Subcommittee have introduced S-929, the Amateur Radio Service and Private Land Mobile and Fixed Services Act of 1981. For clarification, the following is a Fact Sheet on that PROPOSED Bill. All Amateurs who agree with the provisions herein should write the two California Senators, urging support for the Bill. Since it may be necessary to petition the Bill out of committee, early recognition by Senators that their constituents support the bill may become very important. Pass the word to other Amateurs.

Please, then, if possible immediately register your interest in the bill 1) with the Subcommittee and 2) with your two Senators, and 3) pass the word along to other Amateurs who can also write.

## FACT SHEET

### AMATEUR RADIO AND PRIVATE LAND MOBILE AND FIXED SERVICES ACT OF 1981

1. The Federal Communications Commission (FCC) is granted the authority to establish minimum radio frequency rejection standards for electronic equipment, including television receivers, to make such equipment less susceptible to interference from other electronic equipment such as CB radio, amateur radio, etc.
2. The radio-frequency rejection standards will not apply to electronic equipment manufactured prior to the enactment of the bill.
3. The FCC is granted the power to regulate or prohibit the delivery of radio frequency transmitting equipment to one not possessing a license to operate that equipment.
4. Amateur radio transmissions are exempt from the secrecy provisions of Section 605 of the Communications Act to allow self-regulation of amateur stations.
5. Amateur radio license terms are increased from 5 to 10 years.
6. The FCC is permitted to utilize volunteer licensed amateur radio operators for the purpose of monitoring unlicensed amateur radio stations, or amateur stations operating in violation of the rules.
7. The FCC is permitted to utilize volunteer licensed citizen band radio service operators for the purpose of monitoring unlicensed citizen band radio stations, or citizen band radio stations operating in violation of the rules.
8. Allow the FCC to utilize volunteer licensed amateur radio operators for the purpose of preparing and administering amateur examinations to applicants for entry-level amateur licenses, provided that the volunteer test administrator possesses a higher class of amateur license than the entry-level class of license.

9. Private land mobile and fixed services license terms are increased from 5 to 10 years.

10. In managing the spectrum to be made available for use by the private land mobile and fixed services, the FCC shall consider whether such use promotes safety, service, competition, and interservice sharing; and reduces the regulatory burden on spectrum users.

11. The FCC may delegate to non-Federal Government coordinating committees the frequency coordination function for frequencies above 30 megahertz to stations in the private land mobile and fixed services.

provided by Art, W6INI

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#### OUR NEW STAFF

As you may have noticed, SQUELCH TALES has grown this month. It is mainly due to the two new additions to the publication staff. Walt, W6UZL provided most of the copy, W6GIC typed it on the Word Processor, and Don, WA6IPW, provided services and use of equipment at his place of employment that really helped with the paste-up of the issue.

We hope you like the information herein, but if you don't, then send in articles you would like to see printed. We can have a better and better bulletin as more people contribute their time and talents.

The printer will print and fold the pages, but we will still have to have a "putting together" party. This month it will be at Larry's (N6LY) house, but we will have to change it next month. This is where we collate, staple, put labels on, bundle in zip code order, and count the number we mail, and then we usually have some left over to give during the month. This month we are printing a repeater list for your pleasure.

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With the completion of our new building on Mt. Otay, SANDRA returns to Otay this month with the 146.04/64 machine, after an absence of about 15 months. This time we will be the landlord. The group that is going to move the repeater from Lyon's Peak to Otay also has to move antennas, masts, coax, 220, 450, and 2 meter machines, etc., so be patient. They will get things on the air as soon as possible.

The SANDRA May membership meeting, to be held Thursday the 21st, will be highlighted by a video tape production of the making of Westlink News, now a part of SANDRA nets. This tape was featured at the 30th annual Dayton Hamvention, which drew over 20,000. See and hear the voices on Westlink as they take you through the process of generating this stimulating ham newsletter. Video shots of recent SANDRA activities to follow. Members and visitors welcome. The location is the North Park Recreation Center, 4044 Idaho St., at 7:30 PM.

**OFFICERS:**

**President**  
WA6JTB JOHN NABORS 475-2150

**Vice President**  
WA6AIL LARRY COX 277-6352

**Secretary**  
WA6URS BARBIE FLINN 426-4881

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WB6CDK WALT BELLISTON 287-0918

**Membership**  
WA6KHA VANCE BELLISTON 464-2012

**Meetings**

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N6LY LARRY HARVEY 224-5647

**M.A.L.**  
N6BSD DAVE OLSON 273-9433

**M.A.L.**  
KA6FDK BRUCE SMITH 276-3109

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SHARP'S HOSPITAL-K6QL DAVE FENDER

**SQUELCH TALES**

SQUELCH TALES is published monthly by the San Diego Repeater Association (SANDRA, Inc.), a non-profit corporation dedicated to the promotion of Amateur Radio. Distribution is free to members of the organization; subscriptions are available to others. News, views, and information exchanges (particularly newsletter exchanges with other clubs) are desired and solicited. The right to edit material submitted with respect to format, suitability, and style is reserved. Decisions are final.

Advertisements are \$30 per page, \$15 per half page, and \$7.50 for a quarter page or business card ad. Artwork or layouts should be submitted to reach the Editor, P.O. Box 82958, San Diego, CA 92138, by the first of the month in which the ad is to appear. Assistance in preparation of artwork and layout is available at no charge to advertisers desiring this service, although a longer lead time is necessary. Contact the Editor for specific requirements. Advertisements prepared by the SQUELCH TALES staff remain the property of SQUELCH TALES, and may not be used elsewhere without written permission. Liability for errors in copy or other matter is limited to the printing of a correction in the subsequent issue.

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Yes, I would like to become a member of SANDRA.

Full Membership: \$10 MEMBERSHIP  
\$10 INITIATION (ONE TIME)  
\$20 TOTAL

Limited Membership: \$12 PER YEAR

(Only for those who live outside of the San Diego area. Voting privileges are not included.)

Amount Enclosed \$ \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_  
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ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Mail to SANDRA, Inc., Post Office Box 81103 San Diego, Ca., 92138

STAFF: SYBIL ALLBRIGHT W6GIC 278-4284  
WALT HICKS W6UZL 292-7918  
DON DRAKE WA6IPW 291-2533  
Interference & Info: 296-8500

\* FREE \*

GOOD AT REGULAR DRAWING



MAY, 1981

MEETING

EXCHANGE AT DOOR

**SANDRA OPERATES TWO NETS:**

Sunday Evening at 8:00 p.m. on 04/64  
Wednesday Eve. at 7:30 p.m. on 75/15

SANDRA, Inc. operates the following repeaters for service to the San Diego area and environs. The policy of the organization is that the repeaters are available for all licensed Amateurs to use, so long as applicable rules and regulations are observed, whether members of SANDRA, Inc. or not. Further, the following priorities must be observed: (1) Emergency traffic, concerning the safety of life or property take priority over all other traffic. Failure to yield to any station indicating the need for such traffic is prohibited, and may render the offender subject to legal action. Indication of the need for such traffic may be "Break Emergency," "Break-Break," or any other clearly indicated statement. (2) Call-ups should be permitted. If an operator "breaks" into a conversation, he should be permitted to make such a callup. He should not, however, "take over" the repeater and exclude those who were already using it. (3) "Rag-chewing" is not prohibited, but care must be exercised to assure that the repeater is not tied up for extended periods. Remember, there are almost 400 members, and several hundred non-members, who have as much right to use the facilities as you do. It is extremely discourteous to monopolize them to the exclusion of these other users. Long QSO's should be limited to simplex frequencies or the lower bands.

K6QL	SHARP'S HOSP.	147.285	147.885
	AUTOPATCH REPEATER		
WR6ACF	MT OTAY	146.04	146.64
WR6ACF	MT OTAY	222.60	224.20
WR6ACF	MT-OTAY	**444.50	449.50
W6PDA	MT LAGUNA	147.75	147.15
W6PDA	MT LAGUNA	222.46	224.06
W6PDA	MT LAGUNA	**444.825	449.825
W6SS	LYON'S PEAK	146.865	146.265
	*1-B PL REED		

MEMBERS: BRING UP THE PATCH FOR NON-MEMBERS WE HAVE AN OPEN SQUELCH.

SANDRA, Inc.

SAN DIEGO REPEATER ASSOCIATION  
POST OFFICE BOX 81103  
SAN DIEGO, CA 92138

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San Diego, Calif

CS

## Calendar Of Events

MAY 16: T-HUNT STARTING AT DEL CERRO HEIGHTS  
STARTING AT 8:00 PM ON 146.76. ALL  
HAMS WELCOME. TRY YOUR LUCK. THIS IS  
SLATED TO BE A GOOD ONE.

MAY 21: GENERAL MEMBERSHIP MEETING AT THE  
NORTH PARK RECREATION CENTER, 4044  
IDAHO STREET. "THE MAKING  
OF WESTLINK" WILL BE OUR PROGRAM.

JUNE 4: MEETING OF THE BOARD OF DIRECTORS AT  
THE BONANZA RESTAURANT, 2633 EL  
CAJON BLVD. 7:30 PM. MEMBERS WELCOME

JUNE 6: SWAP MEET AT SANTEE DRIVE-IN. 7:00 AM