

SQUELCH TALES

SAN DIEGO REPEATER ASSOCIATION

VOLUME IX

AUGUST, 1981

NUMBER 8

WE GO TO THE SWAP MEET



THIS MONTH SQUELCH TALES GOES TO THE POPULAR SANDRA SWAP MEET. LOVELIES ABOVE, CATHY, KA6PRN; MARIE, KA6OYC; AND BERTA, KA6NAQ MEET YOU AT THE GATE AT THE SANTEE DRIVE-IN ON THE FIRST SATURDAY OF EACH MONTH. COME INSIDE OUR BULLETIN AND MEET SOME OF YOUR FRIENDS WHO WERE THERE LAST MONTH.

ALSO IN THIS ISSUE:

- PACKET RADIO - WHAT IS IT AND HOW IT WORKS
- VOLUNTEERS IN PREVENTION - YOUR CHANCE TO SIGN UP
- COAST TO COAST VIA MODEL AIRPLANE
- ANCIENT AND UNIQUE QSL CARDS - A HAM IN THE ROYAL FAMILY
- PROBLEM OF THE MONTH - AND LAST MONTH'S ANSWERS
- AND MUCH MORE.....

P1
K6PPC

DIODES/ZENERS			
QTY			
1N914	100v	10mA	.05
1N4005	800v	1A	.08
1N4007	1000v	1A	.15
1N4148	75v	10mA	.05
1N4733	5.1v	1 W Zener	.25
1N4740	24v	"	.25
1N753A	8.2v	500 mW Zener	.25
1N758A	10v	"	.25
1N759A	12v	"	.25
1N5243	13v	"	.25
1N5244B	14v	"	.25
1N5245B	15v	"	.25
1N5349	12v	3W Zener	.25

SOCKETS/BRIDGES			
QTY			
8-pin	pcb .20	ww	.40
14-pin	pcb .25	ww	.60
18-pin	pcb .30	ww	.70
18-pin	pcb .35	ww	.95
20-pin	pcb .45	ww	1.05
22-pin	pcb .50	ww	1.15
24-pin	pcb .55	ww	1.25
28-pin	pcb .60	ww	1.45
40-pin	pcb .70	ww	1.75
Molex pins .01	To-3 Sockets		
2 Amp Bridge	200-prv		1.35
25 Amp Bridge	200-prv		2.25

TRANSISTORS, LEADS, etc.			
QTY			
2N2222M (Metal)	.25	(2N2222 Plastic 20)	
2N2222A	NPN		.35
2N2907A	PNP		.35
2N3906	PNP (Plastic)		.25
2N3904	NPN (Plastic)		.25
2N3054	NPN 4A 90v		.60
2N3055	NPN 15A 60v		.75
TIP125	PNP Darlington		.95
LED	Green Red Clear Yellow		.19
DL747	7 seg 5/8" High com-anode		1.95
DL728B	doub 7 seg 5" com-cathode		2.75
MA6740	doub 7 seg 5" com-cathode		2.75
MAN72	7 seg com-anode		1.50
MAN3630	7 seg com-anode		1.00
MAN82A	7 seg com-anode (Yellow)		1.50
MAN74	7 seg com-cathode (Red)		1.50

9000 SERIES			
QTY		QTY	
9301	1.95	9322	.65
9309	1.25	9601	.40
9316	.90	9602	.90

C MOS					
QTY		QTY		QTY	
4000	.40	4019	1.15	4041	1.15
4001	.35	4020	1.25	4042	.95
4002	.35	4021	.60	4043	.90
4006	.95	4022	1.25	4044	1.20
4007	.30	4023	.45	4046	1.50
4008	.55	4024	.95	4047	1.50
4009	.75	4025	.45	4048	2.50
4010	.75	4026	2.95	4049	.85
4011	.45	4027	.85	4050	.85
4012	.25	4028	.95	4052	.75
4013	.65	4029	1.00	4053	1.50
4014	.95	4030	.95	4060	2.25
4015	.95	4033	2.50	4066	1.25
4016	.55	4034	3.75	4069/74C04	.45
4017	.95	4035	1.75	4070	.80
4018	.75	4040	1.10	4071	.40
				4072	.50
				MC14409	12.50
				MC14419	4.85
				74C151	2.50

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1771 Disc Controller	\$22.50
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1489	1.75
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AM9050/TMS4050	5.00
ICM7207	6.95
ICM7208	13.95
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MM5311	6.50
MM5316	6.50
MM5387	4.50
MM5369	3.95
TR1802B	5.95
UPD414/TMS4027	3.95
Z80A	1.95
Z80	2.50
Z8000	9.50
Z8001	1.75
287B-4	3.95
2114	4.00
2513 (5V) Up/Lo	9.50
2708	4.95
2716T1	6.95
2716(SV)	9.50
TMS2532/2732	22.00
3242	12.50
4116	4.95
6800	9.50
6802	11.50
6805	5.95
6809	7.50
825	3.95
825	9.50
8212	2.90
8214	4.95
8216	2.50
8224	4.25
8228	5.95
8251	7.50
8253	9.50
8255	7.50
TMS4044	5.95
ADC0800	22.95

- TTL -					
QTY		QTY		QTY	
7400	.25	7493	.60	74H10	.35
7401	.35	7494	.75	74H11	.45
7402	.35	7496	.80	74H15	.45
7403	.30	7498	.55	74H20	.45
7404	.35	74100	1.75	74H21	.35
7405	.35	74107	.55	74H22	.40
7406	.35	74111	3.00	74H30	.40
7407	.65	74121	.55	74H40	.45
7408	.50	74122	.70	74H50	.40
7409	.35	74123	.70	74H51	.40
7410	.35	74125	.75	74H52	.40
7411	.35	74126	.75	74H53	.45
7412	.35	74132	.75	74H56	.45
7413	.45	74141	.90	74H72	.45
7414	.65	74145	1.35	74H74	1.50
7416	.35	74150	1.15	74H101	.95
7417	.40	74151	.95	74H103	.55
7420	.45	74153	.95	74L00	.80
7426	.35	74154	1.40	74L02	.80
7427	.40	74156	.70	74L03	.35
7430	.40	74157	1.50	74L04	.35
7432	.65	74158	1.50	74L05	.35
7437	.45	74161	1.50	74L06	.35
7438	.50	74163	1.50	74L07	.75
7440	.40	74164	1.50	74L08	.47
7441	.65	74171	1.00	74L51	1.95
7442	.65	74172	1.00	74L55	.65
7443	.75	74175	.75	74L72	.65
7444	.75	74176	1.15	74L73	.70
7445	.75	74177	1.10	74L74	1.95
7446	.75	74180	1.10	74L75	1.05
7447	1.50	74181	2.25	74L85	3.00
7448	1.50	74182	.75	74L93	2.95
7450	.35	74190	1.25	74L123	2.95
7451	.50	74191	1.25	74L300	.30
7453	.25	74192	1.50	74L501	.30
7454	.35	74193	1.50	74L502	.30
7460	.40	74194	.95	74L503	.30
7470	.35	74196	.95	74L504	.40
7472	.40	74198	1.75	74L505	.30
7473	.40	74197	.95	74L508	.40
7474	.45	74198	1.50	74L509	.60
7475	.45	74221	1.50	74L510	.40
7476	.45	74298	1.50	74L511	.40
7480	.60	74367	1.15	74L520	.40
7481	.95	75107A	.95	74L521	.50
7482	.95	75451	.85	74L522	.45
7483	.75	75452	.85	74L527	.40
7485	.75	75491	1.50	74L532	.60
7486	.55	75492	1.50	74L537	.60
7489	1.95	74H00	.40	74L538	.65
7490	.75	74H01	.40	74L540	.70
7491	.60	74H04	.90	74L542	.75
7492	.50	74H05	.55	74L547	.95
		74H08	.90	74L551	.95
				8131	2.75

I ^L , LINEARS, REGULATORS, etc.			
QTY		QTY	
XR2206	3.95	LM320K15	1.65
MCT2(E)	1.25	LM320K24	1.65
8038	4.50	LM320T5(7905)	1.65
LM201	2.00	LM320T12	1.65
LM301	.95	LM320T15	1.65
LM308	1.25	LM323K	4.95
LM309H	1.50	LM324	.85
LM309(340K-5)	1.50	LM337T	2.25
LM310	.85	LM339	.95
LM311 (8-14 Pin)	1.50	7805(340T5)	1.50
LM317T	2.25	LM340T12	1.50
LM318N	1.60	LM340T15	1.50
LM320H6	.89	LM340T18	1.50
LM320H15	.89	LM340T24	1.50
LM320H24	.89	LM340K12	1.50
LM320K5	1.65	LM340K15	1.50
LM320K12	1.65	LM340K18	1.50
		LM340K24	1.50
		LM373	3.95
		LM377	1.95
		78L05	.75
		78L12	.75
		78L15	.75
		78M05	1.95
		LM3808(14 Pin) 366N	1.19
		LM7098(14 Pin)	.75
		LM711	.75
		LM723	.75
		LM725	2.95
		LM739	.95
		LM741(8-14)	1.55
		LM747	1.25
		LM1307	1.75
		LM1458	.85
		LM3900	.95
		LM3909	1.50
		NE555	.50
		NE566	1.00
		NE565	1.50
		NE566	1.75
		NE567	1.50
		TA7205	2.95
		76477	2.95
		95H90	.95
		TL081CP	7.75

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SQUELCH TALES GOES TO THE SWAP MEET

For the past 12 months, San Diego and out of town hams have enjoyed a monthly get together advertised as the SANDRA Swap Meet at the Santee Drive-In theater. Meeting the first Saturday of each month, hams come to trade and sell their gear. (Lot's of first class offerings and good buys.) Attendance is now running between 400 and 500. Cost is two bits to look and two bucks to sell.



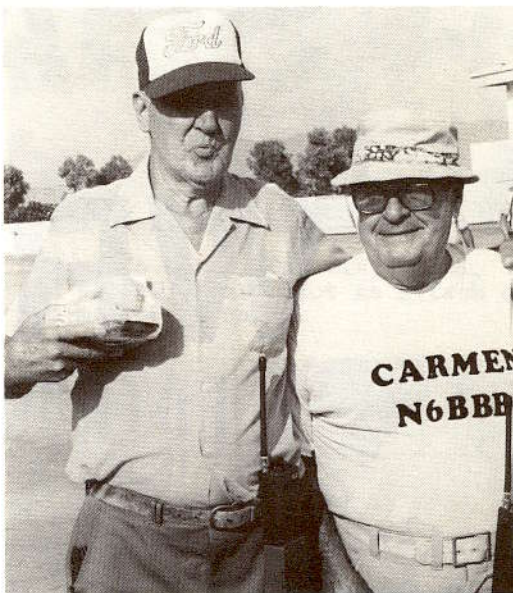
This event was conceived by Larry, N6LY, and Gary, W6SZX, Gary is now "The Boss". The Manager is Gary's wife Berta, KA6NAQ. Assistant Managers are Rich, WA6PEZ; Rich's XYL Cathy, KA6PRN (new tech!); Gary's daughter Marie, KA6OYC; Lee, N6AEA; and Paula, N6BZF,

It is reported by experts that this meet rivals TRW in Los Angeles for the quality of the offerings.

Importantly, this is also the most prominent monthly gathering of the ham clan in San Diego County. No party lines are drawn here, and this is a great place to "put a face" on the voice you are so familiar with. You'll find people from all the clubs in the county.



The pix on the bottom of Col. 1 shows John, WA6JTB, our fearless President, who congratulates WA6IPW, Don, on the fine work he is doing with SQUELCH TALES publication. Don, KA6EEG, grins in anticipation of the next "T-Hunt". He won!



There really is an "Art & Carmen". The above picture was taken just after KB6OB and N6BBB embraced. This official photo includes holstered hand-talkies, ready for the quick draw.

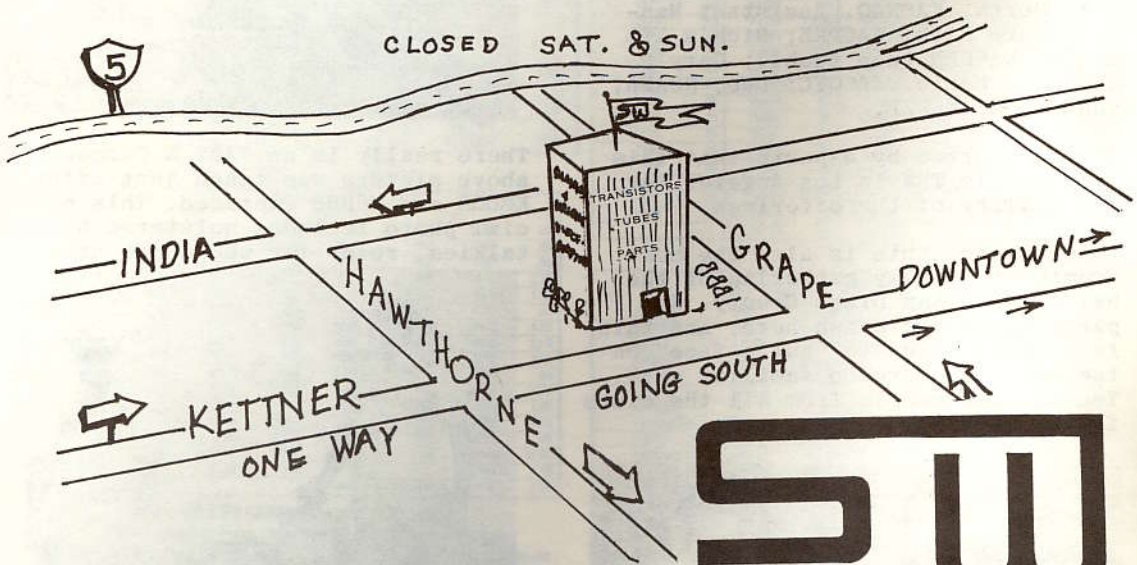


Padre, WA6BDW, SANDRA historian who mans our table; and Fred, N6CTX, a SQUELCH TALES contributor.

SINCE 1945

SHANKS & WRIGHT

ELECTRONIC SUPPLIES



Dick
W6BZE

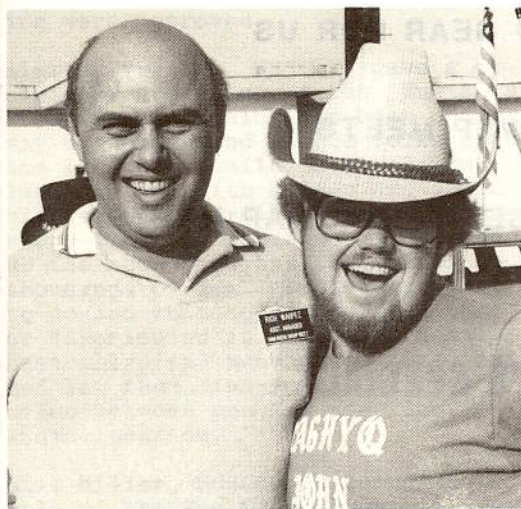
2045 Kettner Blvd.
San Diego CA 92138

239-0176

Si
W6OSD



Active ham on the SANDRA repeaters is K9ICF, I. J. Hudson, also prominent as news announcer on Channel 8 TV. (On left.)



Assistant manager Rich, WA6PEZ and Johnnie laugh it up.



Picture at the bottom of previous column shows N6AEV, Dave and Ken, WA6BCC, plotting first aid for victims of model airplane accidents!



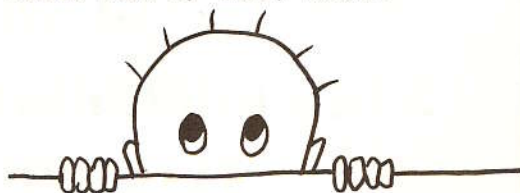
UHF buffs W6MIR, Francis; W6BLK, Red; and WA6SKQ, Juan, plot an attack on the microwave bands.



Hmm. Is that really worth the price? How can I sneak it into the house without her seeing it?

Well, that's a look at some of our hams at the last Swap Meet. Were you there? If not, and if you show up next month, you may find your face on a page in SQUELCH TALES.

Photo work by Walt, W6UZL.



That's all, folks!

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MEMBERSHIP MEETING

SANDRA members convened for the regular monthly meeting at the North Park Recreation Center on July 16, 1981. While only 44 signed the roster, there were about 75 present.

W6UZL announced that XE2RMR, our only member south of the border, extends invitation to hams to visit the astronomical observatory on 10,000 foot high Mt. Diablo, in the Sierra De San Pedro Martir. Rene works at the observatory, and he can make arrangements for visits to this modern facility, one of the finest telescopes in the world. Contact Rene on 04/64 or XE2SPM, 146.37/97, the repeater on Diablo Peak.

The treasurer's report and the minutes of the Board of Directors meeting were approved.

Alex Halyburton, WB6TQF, gave a dynamic presentation of the "Hug a Tree" program which has been underway by Search and Rescue folks since the loss of a child on Mt. Palomar last winter. With slides and sound effects, and participation of youngsters from the audience, Alex gave us the show that has been given to thousands of small kids about what to do and what not to do when lost or disoriented in the wilderness. Basically, the message is "Stay put" and let them find you. Don't put miles between you and your last known location.

Bill Miller, N6BUK, reviewed the role of the San Diego Mountain Rescue Team.

The technical committee, Dave, N6BSD; Wayne, W6PDA; and Wayne, WB6TIQ; reported on conditions relative to the Laguna 75/15 machine.

- The antenna is collecting moisture, degrading the signal.
- Two groups north of us will be potentially competing with us for the use of this repeater pair.
- The committee reported that as an interim measure, a "satellite" to Mt. Laguna is on the air on Pt.

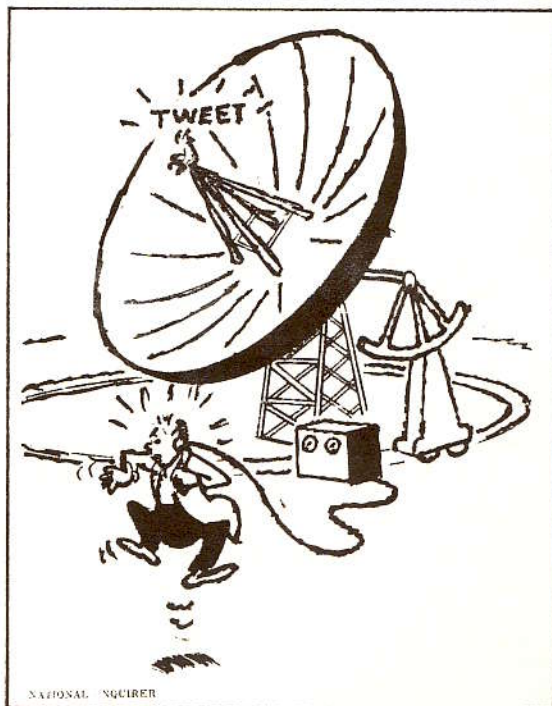
- Loma, relaying 75/15 signals to serve SANDRA members to the North.
- Recommendation is to proceed with the purchase of a new high gain antenna for Mt. Laguna was tabled due to the lateness of the hour.
- New member, W6RHB, won 50 feet of coax in the door prize drawing.

SIGNED IN

Not everyone made it to the roster to sign in at the last meeting. Members and guests alike are invited to let us know that you were at the meeting. Hi.

WA6URS	WA6JTB	WA6BDW	WD6BXZ	WA6KIN
N6NZ	K6AQ	N6BSD	N6LY	N6EPW
WB6TOF	N6ELY	WB6WHM	WA6AXO	N6BBB
WD6AJV	N6AHJ	W6GVK	WA6JCG	N6CTX
WB6GXR	W6YVY	WB6TPY	WB6CDK	WA6ZMQ
W6SLF	W8WEN	WB4TNL	WB6ORX	WD6DNW
WB6RJB	K6BWT	W6PDA	N6BUK	KA6BVC
N6BRE	KS6U	WB6POW	WA6SPF	W6UZL
W6GIC	N6EAV	WA2EMC	WB6YBF	

\$40 DOOR PRIZE DRAWING
KA6IWX NOT PRESENT.
NEXT MONTH: \$45.



NATIONAL INQUIRER

Minutes - Board of Directors
August 6, 1981

THE BOARD MET

Board members present: WA6JTB, WA6AIL, WA6URS, WB6CDK, WA6KHA, N6LY, N6AVR.
absent: N6BSD, N6EBL.
Guests: W6UZL, W6GIC, KF6Z, WD6APP. AJ6L, WA6QQQ, WA60YI, N7BDO,
WA6YVX, W6PDA.

John, WA6JTB, president, called the meeting to order at 7:30 p.m.
Vance, WA6KHA, membership chairman, reported 884 current members.
Walt, WB6CDK, treasurer, gave his report. It appears elsewhere in Squelch Tales.
Bob, N6AVR, meeting chairman, reported that there will be no speaker at the
August meeting. The September meeting will be a possible Pizza party. More
to follow on the net and at the general meeting.

W6UZL, Walt, and Sybil, W6GIC, stated that our June issue of Squelch Tales had
won the monthly award from 73 Magazine. Sybil has received a letter from
the magazine.

There was discussion on the proposed 147.75/147.15 Mhz. N6FM Costa Mesa
repeater.

W6PDA stated he does not want to encourage N6FM to go on this frequency.
Barbie, WA6URS, made a motion for the Board to request the Pt. Loma link to
be turned off for one week to cooperate with N6FM for testing on 147.75/
147.15 Mhz. After one week our four trustees will contact N6FM and find a
workable solution. Larry, N6LY, seconded the motion. The motion passed
unanimously.

Laguna Antenna: Wayne, W6PDA, gave some information on the DB228E antenna and
some history of the antenna on Mt. Laguna. Tom, AJ6L and Bob, WA6QQQ, gave a
considerable talk on the pros and cons of the Phelps Dodge and the DB Products
antennae. Due to the extensive technical considerations, John, WA6JTB,
appointed a committee of five to determine which antenna would be best suited
for Mt. Laguna. Tom, KF6Z, will chair the committee consisting of Tom,
AJ6L; Wayne, W6PDA; Ed, WA6YVX; Dennis, WA60YI. This committee will meet
Saturday, August 8, 1981 to make their decision. Their decision will be
reported on the Sunday net on 146.04/146.64 Mhz on Sunday, August 9, 1981.
Dennis, WA60YI, is still looking into other insurance policies to cover the
clubs needs. He will report back at the September Board meeting.
Wayne, W6PDA, will be going to E.F. Cooke the week of August 9th for the papers
for our final BLM approval.
Walt, W6UZL, reported a \$160.00 bill from the printer. He also asked that his

(Continued on page 22)

LET'S GO FLYING



One of the less known areas of Amateur Radio is that of remote controlling model aircraft. One of SANDRA's members, Bob, W6RHV, and two other Amateurs will attempt to fly a model plane from Phoenix, Arizona to Riverside, California on one leg of a relay race which is coming completely across the U.S. starting in Washington, D.C. and ending in Las Vegas. A similar race was held 2 years ago to raise money for muscular dystrophy. The photo shows W6RHV with a cross country flier which was entered in that race.

This year the race will raise money for Easter Seals. Each team (total of 5) is allowed a primary aircraft and a secondary aircraft. Any part or whole of the secondary aircraft may be used to keep the primary aircraft in the air. In the last case a total of 10 aircraft started, including the secondary aircraft and only 7 finished. Each plane is allowed to carry 32 ounces of fuel and may have a maximum wingspan of 6 feet. A pilot and copilot fly the plane from seats bolted in the back of a pickup truck. Maximum speed is 55 MPH and each vehicle carries a contest director. Control equipment will be a 500 milliwatt 6 channel digital transmitter. The receiver is a single conversion

7 channel receiver which will be driving 7 servos to control the engine & control surfaces. Lithium batteries will be used in the aircraft and the transmitter. These will be able to run the plane for 12 hours with a 30% safety factor. Batteries will be charged each day of the expected two day trip. Bob hopes to take many pictures and to be able to show them later this year. Look forward to this as a feature at one of our membership meetings.

LISTENING AROUND...

WAGAED popped up on .04/.64 the other morning. We have not heard from him for a while because he's had a spell in the hospital. He speaks highly of modern medical technology and gives full credit to the doctors for keeping him fit. He's 96.

Doc lives in the Point Loma area. He says you can find the place because he has the name of the only licensed ham in the house on the garage door: R.V. Vaughn.

Doc was 12 years with KFI and Ben Hunter as the NIGHT OWL. If I understand him correctly, their program originated from Catalina, and the nightly discussions included comments about goats, swimmers, movie stars, & I bet occasionally a little ham radio. That was a long time ago, though, because "Doc" moved to Pt. Loma more than 25 years ago, when he was still a spry athletic 70 year old.

Doc is alone now. His phone number is 223-0822. He extended an invitation to come visit him when he was on the air the other morning. I think that it would be nice for some of us to accept his invitation. He would like for you to call him and tell him that you are coming.

I have a suspicion that Doc is going to do a lot of visiting on 2 meters, now that he's found a few of the daytime operators. Good luck, Doc. Enjoy.

73's W6RHI



Glenn Rattmann K6NA

Tom McDuffie KM6K



LOOK! SPECIALS!

- Kenwood TR7850... (50 W out)\$425.00
- Cubic/Astro 103 in stock
- Yaesu FT 707 HF Transceiver.....\$729.00
- Kenwood TS 130-S.....\$679.95
- Drake TR-7.....(limited time).....\$1299.00
- Yaesu FT 207-R 2 Meter Hand Held....\$289.95
- Collins KWM-380...still at old pr..\$2695.00
- Icom IC-720A & IC 730 Now in stock
- Robot 400 (SSTV) & 800 (CW/RTTY Keyboard)
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REISEAUSKUNFTE:
Fremdenverkehrsstelle, Wien VII, Messepalast



Wien, Kunsthistorisches Museum

SQUELCH TALES search for older QSL cards from SANDRA members continues. We started with a China card dated 1947, and last month featured a Japan card dated 1938. This month we feature two cards which beat the earlier dates, and are both from the same station, OE3AH, Anton Habsburg, Archduke of Austria.

John Bender, W6ABT, was W2EVI when he worked this station on March 18, 1936. We are going to use this date as the challenge for earlier cards, although John did also submit an earlier and a later card from VK3MR, whom he worked in March, 1935, and more recently with 5 watts in 1980. There is also a card to John from XUSMI, Shanghai, China, in 1939. XUSMI was Otto Miller, now W6PT in Vista!

Paul Norman, K6NZ, was W8PCU when he worked the Archduke. His contact was particularly unique in that the date was two days prior to the "Anschluss" of Germany and Austria on March 12, 1938. "Anschluss" or "union", was Hitler's excuse to annex his old homeland of Austria to the growing German empire.

ÖSTERREICHISCHE
AMATEUR-KURZWELLENSTATION
AUSTRIAN AMATEUR SHORTWAVE STATION

OE3AH

QRA: Sonnberg near Hollabrunn

To Radio: *W2EVI* U: *sigstone*
cord

wkd: *per hr on 18. III. 1936* at *0640* gmt.

qro *7* mc, etg wkg *me* Qsa qrk

contact to = W2EVI 409456

RX: *O-V-2* TX: *CO-PA-PA, 50 W.*

AER.: Zepp. 40 m REMARKS:

Ths

Pse Qsl direct or
via OE. V. S. V.
Qsl-Bur. Kloster-
neuburg, Austria.

Vy 73 es best dx!

Anton Habsburg
Archduke of Austria

As a matter of history, the Habsburgs ruled Austria for many years. The Habsburg dynasty began in 1278 and ended in 1918 after WW I. When Emperor Franz Joseph died in 1916, he was laid to rest along side of 137 of his ancestors. Decendants of the Habsburgs were denied property rights in Austria in 1919, and only allowed citizenship by renouncing all dynastic pretensions.

In 1935, however, property rights were restored. Look at the FB station that Anton had in 1936. On March 14, 1938, Hitler rolled into Vienna in his open car. Two of his acts spelled the end of OE3AH (OE3 - Anton Habsburg); the Habsburg property rights were terminated and 70,000 Viennese were arrested and imprisoned. The newspapers of the day said that Anton was among the bunch.

K6WZ also commented that the band on which he worked OE3AH, 10 meters, was not yet in general use, and it was common practice to call "CQ Ten", as the band was replete with 20 meter harmonics. (Who cared? There wasn't anybody on ten anyway?)

Other submissions included an HZ1KE, Saudi Arabia, card dated 1950 from W6NUI, Tom, who was W7KKB at the time, and worked Saudi on the 11 M band which was great for diathermy and ham DX before Citizen's Band.

Jim Bailey, W7YXE, in Phoenix, also a SANDRA member, sent in a bunch from his W9CLP days, including 3 China cards in 1947 & 1948, and ZL2BN in 1946. ZL2MN, John, was on every night QSOing U.S. stations.



WORKED ALL CONTINENTS
WORKED ALL STATES

TO RADIO:

W8PCU

CONFIRMING QSO

ON 10.11.19 28 AT 1557 GMT

RST 569 ON 28 MC

RX: NATIONAL - HRO

TX: PK 20 - RK 38 PP

QRA: SONNBERG, HOLLABRUNN,
AUSTRIA

PSE QSL DIRECT OR VIA
OE.V.S.V.

OE3AH

73 FM OP:
ANTON HABSBURG
ARCHDUKE OF AUSTRIA

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COMMENDATIONS

Three local area ham radio operators have been honored.

On July 26, about 75 folks gathered at El Monte Park near Lakeside for fun and fellowship, and to recognize Larry Cox, WA6AIL, SANDRA Vice President, for his service to ham radio.



Photo is of Johnnie, WA6HYQ, apt net controller of the SUNDAY night Net on 04/64, presenting Larry with plaque which reads:

LARRY COX
WA6AIL

IN APPRECIATION FOR YOUR MANY
CONTRIBUTIONS TO AMATEUR RADIO DE..

RADIO AMATEURS

OF SOUTHERN CALIFORNIA 1981

Wayne, W6LNB, and Cal, WD6DSV sponsored the event and they plan to "roast a ham" annually on the last Sunday in July at El Monte Park.

Alex Halyburton, WB6TQF, who gave such an outstanding presentation at our last membership meeting on survival in the wilderness, was recognized for his continuing efforts in ham radio and mountain rescue service at the

Convair Radio Club on August 6 and he was presented a plaque with the following inscription:

CONVAIR RADIO CLUB
W6UUS

Presented to ALEX HALYBURTON
WB6TQF

LIFE MEMBERSHIP

1981

XE2FY, Jose (Pepe) Lopes, passed away in 1980. Pepe's ham radio experience dated from the spark gap days. His career included the roles of Chief of Detectives in Mexicali, Chief of Police in Tijuana, and Mayor of Tecate.

The Flying Samaritans Clinic, located between Tecate and Tijuana has now been dedicated to his name. The plaque reads:

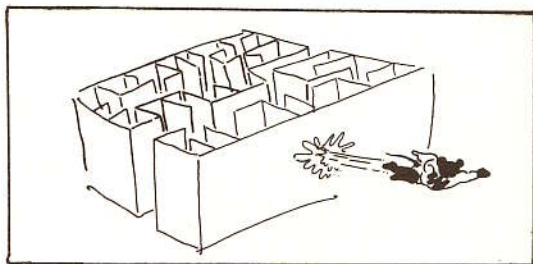
JOSE LEMUS LOPEZ

1904-1980

GENTLEMAN, SCHOLAR, RADIOAFICIANADO XE2FY, FRIEND AND SUPPORTER OF FLYING SAMARITAN WORK IN BAJA CALIFORNIA AND MAINLAND MEXICO. DON JOSE DEVOTED MUCH OF HIS EFFORT TO AID THE SICK AND INJURED PEOPLE OF HIS BELOVED MEXICO. HE PROVIDED CONTINUING SUPPORT TO THE CLINIC IN EL TERTERAZO, WHICH, IN HIS HONOR, NOW BEARS HIS NAME. ALL WHO KNEW HIM LOVED HIM.

TO A NOBLE SOUL...PEACE

FOOTHILL CHAPTER



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ICOM's Go Anywhere HF Rig for Everyone's Pocketbook



Compact.

Only 3.7 in (H) x 9.5 in (W) x 10.8 in (D) will fit into most mobile operations (compact car, airplane, boat, or suitcase)

Affordable.

Priced right to meet your budget as your main HF rig or as a second rig for mobile/portable operation.

Convenient.

- Unique tuning speed selection for quick and precise QSY, choice of 1 KHz, 100 Hz or 10 Hz tuning.
- Electronic dial lock, deactivates tuning knob for lock on, stay on frequency operation.
- One memory per band, for storage of your favorite frequency on each band.
- Dual VFO system built in standard at no extra cost.

Full Featured.

- 200W PEP input—powerful punch on SSB/CW (40 W out on AM)
- Receiver preamp built-in • VOX built-in
- Noise blanker (selectable time constant) standard
- Large RIT knob for easy mobile operation
- Amateur band coverage 10-80M including the new WARC bands
- Speech processor—built-in, standard (no extra cost)
- IF shift slide tuning standard (pass band tuning optional)
- Fully solid state for lower current drain
- Automatic protection circuit for finals under high SWR conditions
- Digital readout • Receives WWV • Selectable AGC
- Up/down tuning from optional microphone
- Handheld microphone standard (no extra cost)
- Optional mobile mount available

In stock: ASTRO 150 ICOM 22U ICOM 260A SWAN 100MX TEMPO S5 CDE ROTATORS
 ASTRO 102BX ICOM 2AT ICOM 255A ICOM 720A TEMPO S1,S2 Visit or call now!!!

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 ELECTRONICS**

WB611K Mike

1415 INDIA ST. 92101

SAN DIEGO 714 239 0361

WB601A Dick

8:30 to 5:00 Monday thru Friday

NEW MEMBERS

N6AVQ	MARCUS J. COUTS	P.O. BOX 1294 DESERT HOT SPRINGS	92230	329-8231
KA6CUF	STEVE BINGHAM	11458 CRAZY HORSE DR. LAKESIDE	92040	
KA6DAC	MIKE CHISHOLM	11458 CRAZY HORSE DR. LAKESIDE	92040	
WD6DNW	CHRISTIANE S. TYBERG	3679 JACKDAW ST. SAN DIEGO	92103	291-8277
KA6EAG	CHARLES RICE	P.O. BOX 996 BORREGO SPRINGS	92004	767-3227
KA6FHJ	B. L. STOVALL	13451 SAGEWOOD DR. POWAY	92064	
WD6HBZ	KAY MERRILL	390 CATES ST. SAN DIEGO	92114	
WA6JMK	RODGER CLAPP	7566 ALONDA WAY SAN DIEGO	92126	
WA6KEW	BARBARA NILSON	1966 E. THIESEN RD. HOLTVILLE	92250	356-2261
WB6LYG	BRUCE FLAGG	5449 BAJA DR. SAN DIEGO	92115	583-1324
W1MZF	DON HILL	150 S. ANZA ST. #36B EL CAJON	92020	579-9569
KA6MZY	GIL CLARK	6105 RANGER RD. SAN DIEGO	92139	267-1080
W6NBV	R.B. "BUD" CONLY	20235 SHERMAN WAY #111 CANOGA PARK	91306	
KB7NG	BOB BOSTICK	1459 PEQUENA ST. SAN DIEGO	92154	
KA6NIH	BART ARRINGTON, JR.	1650-D IOWA ST. COSTA MESA	92626	549-8570
KA6PNN	HANS A. REUTER	4111 ALPINE HTS RD. ALPINE	92001	445-6145
KD6QI	WILLIAM S. HOYT	4410 GILA AVENUE SAN DIEGO	92117	273-2998
W6RHY	ROBERT F. BOEHME	10340 EVERELL PLACE SANTEE	92071	448-4728
WA6SQH	MARTIN NOORLAND	3985 MARLESTA DRIVE SAN DIEGO	92111	279-4014
N6XQ	JACK HENRY	P.O. BOX 7732 SAN DIEGO	92107	276-0481



TREASURER'S REPORT

JULY 31, 1981

BALANCE FORWARD		\$2,721.58
INCOME		
INITIATION	\$130.00	
DUES	590.00	
DOOR PRIZE	24.00	
REFRESHMENTS	10.50	
SQUELCH TALES ADV.	305.00	
BUILDING FUND	10.00	
OTHER INCOME	5.50	
TOTAL INCOME		\$1,075.00

DISBURSEMENTS		
ADM & SUPPLIES	\$ 95.89	
SQUELCH TALES	112.86	
DOOR PRIZES	23.59	
REFRESHMENTS	9.55	
MAINTENANCE	15.00	
OTHER	1.00	
TOTAL DISBURSEMENTS		(\$ 257.89)

CHECKING ACCOUNT	\$2,499.19	
SAVINGS ACCOUNT	<u>1,039.50</u>	
	3,538.69	
BALANCE FORWARD	2,721.58	
NET FOR JULY	<u>817.11</u>	
BALANCE	3,538.69	\$3,538.69

SILENT KEYS

WD6AMV, ED LEVIZON, HAWTHORNE
 WA6YME, CHET LEE, SAN DIEGO
 K6ST, AL SEARS, SAN DIEGO
 WØMLI, JACK WEISERT, YUMA

Classifieds

FOR SALE: Tempo S1 touch tone with leather case, autocharger & rubber duck. Wall Charger. All for \$250. Call Jack, NGDSD at 278-8586.

FOR SALE: Drake T4X and R4A with matching speaker and AC power supply. Three WWV receive frequencies in the receiver, and 10 meter CW & phone. \$425. Call John, WB6WHM at 279-1820.

FOR SALE: HW12A with speaker inside. HP23 AC power supply. Century power supplies for DC. SB630 Station Control. Call Gerald Rhoads in Yuma at 714-782-3964 or write: 1335 8th Ave. Yuma AZ 85364.

PRIMER ON PACKET RADIO

In case you are new to the data communications scene, the following short primer on packet radio communications is presented. It is slanted toward what some of the Canadians and AMRAD (Amateur Research and Development Club) are doing.

Packetizing data is the process of breaking up a logical block of data into smaller units called packets. That smaller unit can be sent from source to destination efficiently and error free. The microcomputer has really made this old idea more acceptable in modern data communications. These inexpensive computers are used at the station node of the network and at the end user, called terminal node. All station nodes are treated as equals, and no central control node is required. The real benefit of packetizing data is the services that can be provided between source and destination. Code conversions can take place, analog-digital and digital-analog conversion can be accomplished, sophisticated routing algorithms may be employed, and, in general, transmission is very fast and error free. Of great interest to radio amateurs and the Federal Communications Commission is the time-division multiplex aspect of packet communications. Because each packet is short (the faster the baud rate, the shorter the packet), the packets of different users may be interleaved on the channel. Thus, many separate conversations may be going on at the same time on a given frequency. This is channel sharing as never before.

At the terminal node (end user of the system), a small microcomputer accepts data from some serial device such as a terminal running in asynchronous format. The data is packetized and entered into the network by turning on a transmitter and sending the packet in synchronous format to a station node. The terminal node controller actually first requests the terminal node to make a connection to the destination terminal prior to sending actual data. The station node assigns a temporary address to the source and destination terminal nodes and allows communication to begin.

What does a packet look like? First, those familiar with normal computer ASCII data expect start bits and stop bits. In synchronous communication, there are no start and stop bits because synchronization is achieved by the use of SYNC characters. An HDLC packet looks like this:

SYNC/FLAG/ADDRESS/CONTROL/PACKET HEADER/DATA/FCS/FLAG

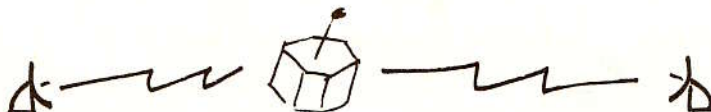
SYNC - The first packet of a group of packets contains a sync which is 16 bits of alternating zeros and ones.

FLAG - 8 bits (01111110), 7E hex.

ADDRESS - 8 bits, FF hex for broadcast, assigned by station node at connect time.

CONTROL - 8 bits that describe the type of packet.

PACKET HEADER - 8 bits, 20 hex for terminal ops, 00 for network ops.



DATA - from zero (supervisory packet) to 255 bytes of information to be sent from source to destination.

FCS - Frame check sequence, 16 bits of cyclic redundancy check.

FLAG - 8 bits (01111110), 7E hex.

How do I generate a packet and receive one? A computer is required. There are two accepted methods. In the less expensive method, your already existing microcomputer and existing serial port are connected to Bell 202 modem (a 1200-baud modem which uses 1200 Hz for mark and 2200 Hz for space) and your VHF radio. The packet is generated in software and byte-oriented protocol results (asynchronous start-stop packets). This type of operation is currently in use in parts of Canada, but in our opinion should be discouraged as the bit-oriented synchronous protocol is industry standard.

In a bit-oriented synchronous protocol (HDLC protocol packet was illustrated above), a small computer, called a Terminal Node Controller generates the packet using an integrated circuit called a protocol controller. You connect your computer terminal (or preferably your computer) to the TNC, and the output is connected to the Bell 202 modem and radio.

The packet travels across the country passing from station node to station node until it arrives at the destination station node and finally the destination terminal node. There are no station nodes in place yet. This is the real heart of the network, and these computers must be emplaced. If a station node is added, every station node in the network reconfigures its routing tables to include the newcomer. If a node dies, all other station nodes again reconfigure their tables to subtract the lost node from the network.

What do I have to buy to begin operation? Assuming you already have a personal microcomputer and serial port, you buy a Bell 202 modem and TNC printed-circuit board. All this hardware will become less expensive as work progresses. New integrated circuits are being introduced (such as the 8274) which should make circuits less complex. Inexpensive modems are becoming available. Contact AMRAD for advice on how to get started.

APPLICATIONS

Once this packet network is in place, what can we do with it? The obvious application for the radio amateur is the National Traffic System (NTS). Third party messages can be introduced into the packet network by NTS members and quickly passed to other members around the country. Emergency communications can be served by designating a survivable station node to activate in times of national disaster. Deaf TTY users can be accommodated. Slow-scan television users could send television pictures across the network. Computer file transfers, graphics, computer multiprocessing and teleconferencing are areas to

be studied.

AMRAD proposes to call this continental network of packet radio nodes AMNET. Connections between the individual pockets of activity will at first take the form of HF radio links. Then VHF terrestrial and satellite links will complete the network.

Watch the AMRAD Newsletter for future developments concerning amateur packet radio computer networking.

AMATEUR RADIO RESEARCH & DEVELOPMENT CORPORATION
1524 SPRINGVALE AVENUE
MCLEAN, VA USA 22101

FLEA MARKETS & SWAP MEETS

SANDRA SWAP MEET

1st SATURDAY

Highway 67 and Mission Gorge Rd.

POWAY AMATEUR RADIO SOCIETY FLEA MARKET

2nd SATURDAY

WESTCOM PARKING LOT

Grand Avenue between Rancho Santa Fe & San Marcos Blvd.

For Info call:

Dick, K6SAL at 748-0639

Stan, N6DKX at 485-7371

PALOMAR AMATEUR RADIO CLUB
SWAP MEET

3rd SATURDAY

Valley Vista Drive-In

North side Highway 76 (Mission Boulevard)

Halfway between Camino Real and Airport Rd.

TRW SWAP MEET

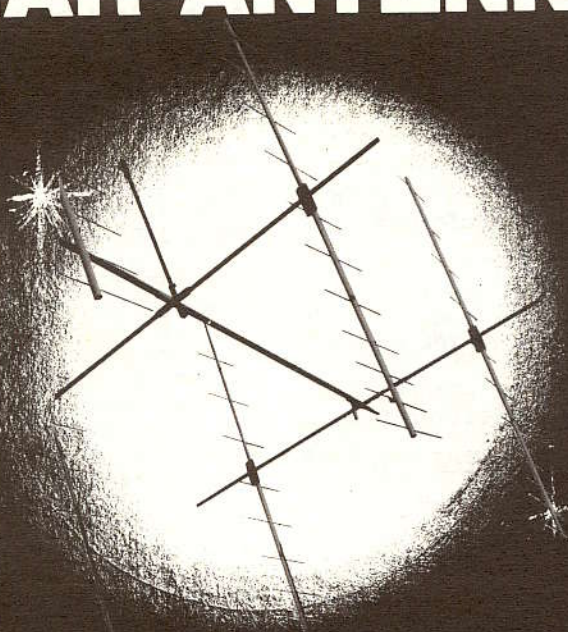
4th SATURDAY

TRW Parking Lot - Near LAX

Go North on San Diego Freeway, Turn left on Rosecrans Blvd. then hang left on Aviation Blvd. about 2 or 3 blocks.

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Three models available:

Model NMT 11/144 for 144MHz
(2 meters)

Model NMT 11/220 for 220MHz
(1.3 meters)

Model SST 0719 for 432MHz
(.07 meters)

Each of these antennas has been tested and tried in the field and proven to be the top performer in its frequency range, with the highest efficiency gain for a given boom length and highest efficiency for number of elements.

For instance, the NMT 11/144 and NMT 11/220 were both used in the first moon bounce from Mexico. In addition, the NMT-11/220 were used for the first 220 MHz EME 4-Yagi QSO, and for the first 220 MHz EME SSB QSO.

The SST 0719, when compared against other leading antennas at a recent convention exhibited the highest

efficiency/gain for a given boom length, besting the others by a considerable margin.

Superior mechanical construction featuring brass driven elements for high efficiency, through boom insulated element mountings, and integral TFE coaxial balun result in Lunar Antennas being the most efficient antenna available.

For a sharper, stronger signal in transmit and receive, get a Lunar antenna today.

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Write for complete literature.



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AT YOUR LUNAR DEALERS NOW!

PROBLEMS OF THE MONTH

JULY ANSWERS

1. $C_2 = 4.5C$
2. $I = 2.9 \text{ ma}$
3. 144 KW

AUGUST PROBLEMS

1. Is it possible to have a db gain in a voltage step-up transformer? Explain.
2. A 5V signal to a 200 ohm input produces what db gain or loss if the E_o is 20 volts across 10K ohms?
3. If a microphone is at -65dbm, how many db gain must an amplifier have to bring its output to:
(a) .001 watt (b) 10 watts (c) 18 watts.

NOTE: A complete solution of any problem can be provided upon request. Call me at 299-1332.

Submitted by SANDRA Member Fred Buell N6CTX.

HELP WANTED

Does the idea of joining the staff of SQUELCH TALES interest you? Openings exist in the art and advertising departments. We need someone to do line drawings and cartoons for ads and articles, and also an advertising manager. Call Sybil, W6GIC at 278-4284 or Walt, W6UZL, at 292-7918.

Contributions of news items, technical articles and material of general interest to local hams are always welcome. Call W6UZL on this.

EYEBALL "QSO"

Local ham, N6DRX, John Barzacchini, enjoyed his role on July 11 as Master of Ceremonies at the Ms. San Diego 1981 contest here. Contestants displayed fantastic physiques, developed through body building techniques. Mr. San Diego and Teenage Mr. San Diego were also selected that night to go on to regional and national competitions.

The pictures that went with the contest and were in the paper were very interesting.

AT SEA

Last month in SQUELCH TALES we had an article that tracked repeaters up to Medford, Oregon, courtesy of WB6WHM. Now let's look at it from the viewpoint of a mariner, new member Davida, N6EMQ.

"Sailing up the coast to Santa Barbara with stops at Catalina, Santa Barbara, and Santa Cruz Islands is how I just spent two weeks.

"This was my first try at using two meters while visiting some of the Channel Islands. I discovered that 2 meters plus repeaters provided better coverage than the marine VHF also on board. Both rigs were using the same 1/4 wave marine VHF antenna mounted on the main mast about 50 ft. off the water.

"The most useful repeater on the cruise was WR6AOX, 146.28/88 MHz. This repeater is located atop Sulphur Mountain ridge just northeast of Ventura at an elevation of 2600 feet. Besides providing excellent coverage the folks on that machine were very helpful in handling phone traffic to a friend.

"On the sail back to San Diego I was able to raise the autopatch on Sharp's Hospital from a point between Anacapa and Santa Cruz Islands! The whole vacation cruise was a pleasure and 2 meters helped make it so. Naturally our own 146.04/64 MHz repeater was consistent throughout the voyage. Happy Sailing!"

CALLSIGN COLLECTOR

K6QM, John Wieting, in renewing his membership in SANDRA, reports "class of license: Extra; ARRL membership, Life; other clubs: SOBARS and QCWA." K6QM has been continuously licensed for 45 years and is now on his sixth call sign. Ex W9YDZ, W0YDZ, K6ITH, W1AGP, and W1IS. (Who can top the number of calls collected?)

John participated with WD6CSS, WB5RJS, KAGHVJ, KM6I, W6VMN, N6COE, W6YVY and WB6JSM in traffic control for the Sun and Seas parade last month at Imperial Beach.

PLAIN LANGUAGE REWRITE

Time is growing short for comments on PR Docket 80-729, a proposed revision of the Amateur Radio Service rules in "Plain Language". This revision was proposed by the FCC last December, and the period for comments was extended from June 19, '81 to August 19, '81 after pressure from the ARRL and other interested groups of Amateurs. Many hams are just now awakening to the consequences of this sweeping change to the interpretation of the meaning and spirit of Amateur Radio, as well as substantive modification of present rules. For example: The words "Amateur Radio Service" have been replaced by the acronym "AR". Another example: from proposed rule 97.30 (AR Rule 30) "How high may I put my antenna? Ans: (c) Regardless of any other rule in this section, you may always put your antenna as high as, but not higher than (1) 6.1 meters (20 feet!) above a building;...."

The complete proposal occupies 50 pages in the Federal Register of Friday, Dec. 19, 1980.

Jay Holladay, our ARRL Southwestern Division Director, says:

"ARRL will file detailed comments pointing out the many problems with the current version of this proposal. Hopefully we will convince the FCC to reconsider before acting on this matter. However, it is very important that the Commission understand the depth of concern that amateurs have over this docket. In this case, volume counts!

"We therefore urge all amateurs who care about the future of the ARS to file at least brief comments on the docket. When preparing your comments refer to the articles on the "Plain Language" proposal in QST for February and June 1981. Other references are April WORLD RADIO and June 73 Magazine. Note that the latter has a good writeup on the docket but they consistently refer to the docket by an incorrect number! Please comment at least on the changes to the basis and purpose of the ARS (AR Rule 1) and the prob-

lems with the proposed antenna height regulation (AR Rule 30) together with any other items which cause you concern."

If you have not yet sent in comments and want to take a crack at it in the last few days remaining, remember that an original and five copies are required. June Alonzo at the FCC office will provide you with the format and a checklist. Her number is 293-5478. Also, see page 20 in SQUELCH TALES this month for a format example. Joan, KM6S, has a few xeroxed copies of the complete rewrite available which she will give you for the printing cost (one buck).

WGOGC, Jim Allen, shared with SQUELCH TALES the response to a letter he wrote Barry Goldwater, K7UGA, on this subject. Barry is Communications Chairman of the Senate Commerce, Science and Transportation Committee.

"Dear Jim:

Many hams have written me relative to the subject of your letter. I have discussed this with the Federal Communications Commission and I have a comfortable feeling that nothing is going to happen; at least, I pray that is true. I think under the new head of the FCC things will be quite a bit different.

73's,


Barry Goldwater "

Let's hope enough hams react and that Barry is right.

Phone Service for Air Passengers

Western Union is expected to announce this week that it will finance a planned in-flight telephone service for air travelers. A Washington-based company called Air Fone has developed the phone system and has won permission from the FCC to test it on U.S. airliners. The service would enable passengers to place calls anywhere in the United States and could be available by next summer. A passenger would insert a credit card in a slot, releasing a cordless wall phone that he could take to his seat. After making a call, he would have to replace the phone in its housing to have his card returned. The charge would appear on his credit-card bill, at a rate of \$7.50 for the first three minutes and \$1 for each additional minute.

NEWSWEEK/AUGUST 3, 1981

BILL ROEDER with bureau reports

(RECOMMENDED FORMAT FOR RESPONSE TO AN FCC DOCKET)

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of

Revision of the Amateur
Radio Service Rules into
"Plain Language"

}
PR Docket No. 80-729

COMMENTS

SUMMARY. (Briefly summarize your comments to give a reviewer a chance to see quickly what specific areas concern you. This is optional but recommended for lengthy filings.)

GENERAL COMMENTS. (This is the place to comment on the philosophy of the Docket and list any pros or cons on which you do not intend to comment further. It is a good idea to establish an atmosphere of fairness by citing some things the FCC did a good job on. You can also include a statement on any special qualifications you have for commenting on the Docket.)

WITH RESPECT TO _____. (This is where you tear into those things that really concern you. If you dislike _____ very much, say so, but give good, cogent reasons for your dislike. It is preferable to propose an alternate approach and say why you think it would be better than that proposed in the Docket.)

WITH RESPECT TO _____. (Each specific issue you discuss should have its own titled paragraph, again to aid the reviewer in finding those things that most concern him. Different Divisions of FCC are concerned with different aspects of a proposal, so the easier you make it for someone to find your comments on a specific issue, the more likely you are to be heard where it counts.)

Thank you for the opportunity to express my views.

Respectfully submitted,

Submitted: May 31, 1981

John Q. Hamm
Amateur Radio W4LXZ
123 Main Street
Yourcity, State 12345

Notes:

1. Formal participants must file an original and five copies of their comments. It is preferable to file an original and 11 copies, so that each Commissioner will have a personal copy of your comments.
2. Make it neat -- typewritten and double spaced if practical. A neatly done, well organized response has the most impact.
3. If you submit more than one sheet, staple each copy of your filing together. The back side of a sheet may be used, but leave a margin of at least 1" on the right side, as your filing may be bound together with other responses.
4. Keep it as brief as possible and still make your point...and keep it unemotional. Name calling has a negative effect.
5. Mail comments to: William J. Tricarico, Secretary, Federal Communications Commission, Washington, D.C. 20554.

(Tnx HR Report and ARRL sources. W6EJJ 5-5-81)

VOLUNTEERS IN PREVENTION (VIP)

By

Art Smith, W6INI, ARRL Section Communications Manager



The following is an extract from a California Department of Forestry brochure:

The California Department of Forestry has developed a sophisticated and efficient fire prevention program for the wildlands of California. Although fire protection involves a heavy commitment to extinguishing wild fires, the most efficient method to reduce losses from fires is through fire prevention.

Currently, over 8,000 wild fires annually ravage hundreds of thousands of acres of California's watershed, timber and grasslands, doing millions of dollars of damage to the environment and resources, along with the threat to lives and real property. The demands upon the CDF's fire fighters to cope with this fire threat limits the Department's ability to fully implement the prevention program. Volunteers have always played an essential role in the fire protection system. Although their efforts have primarily been directed towards fire suppression, they have been very effective in working in fire prevention programs.

In 1980 Governor Brown conceived and assigned for development a Fire Prevention Volunteer Program and titled it Volunteers in Prevention (VIP). While CDF personnel will administer the VIP program, citizen volunteers will staff and operate the various aspects of the fire prevention function.

There are five areas that Volunteer effort is needed:

1. Child Fire Safety Education. History has shown us that when team teaching in K-3rd grades has been applied, child related fires have dropped by 50%.
2. Public Information, Education. Working as fire information officers in the Command Center or at the scene of a fire, and daily contact with the media.
3. Wildland Occupant Fire Safe Program. To assist in Fire Information for wildland occupants.
4. Red Flag Fire Weather Alert Patrols. To patrol selected hazardous areas during declared critical fire weather, and to alert the general public to the possibility of high winds and fire danger.
5. Communications. To establish additional communication networks during a fire. Working with amateur and CB radio groups.

These programs have proven their effectiveness when implemented with adequately trained and equipped people. VIP's will be trained and supported with funds to cover travel expense, insurance and car use. Any citizen performing voluntary fire prevention duties at the request of, or under the supervision of a CDF officer, will be covered under Worker's Compensation Insurance. Medical expenses will be paid for any injury resulting from an accident while performing work under the direction of CDF personnel.

This is the sixth year in which Amateur Radio has been supporting CDF by providing Red Flag Patrols and Fire Camp/Headquarters communications. With responsibility for 15 Red Flag Routes throughout the county, and two operators per vehicle, plus two headquarters operators, a total of 32 operators is required for each call-out. When Red Flag conditions last three or four days, the operator requirement mounts rapidly. In the past we have had to use a "hard core" few operators day after day due to lack of volunteers.

Won't you consider volunteering for this important, much-needed public service? While the operation is primarily on two-meters, only one operator in each two-operator vehicle needs equipment, therefore lack of equipment need not be a reason for not offering your services. Contact WA6HJJ on the ARES 146.52 net at 1900 Sundays or W6INI (273-1120) for info.

Minutes - Board of Directors (cont'd)

August 6, 1981

phone bill for the West Link tapes be paid. Walt would like some feedback on the article featuring K6QL, trustee of the autopatch. John, WA6JTB, stated that Walt's bills be paid.

Sybil reported that the San Diego County Amateur Radio Council has donated \$500.00 to West Link.

John, WA6JTB, appointed W6UZL as a delegate for SANDRA, Inc. to the Council.

Vance, WA6KHA, made a motion that all representations made in the name of SANDRA shall be part of SANDRA's official written communications or contained in the minutes of the Board meeting. Barbie, WA6URS, seconded the motion. The motion passed unanimously.

Vance, WA6KHA, moved to abolish the position of SANDRA Sheriff. N6LY, Larry, seconded the motion. N6LY, WA6AIL, WB6CDK, WA6URS, WA6KHA voted yes. N6AVR abstained.

Vance, WA6KHA, made a motion to invite KA6WTD to a member revocation hearing at the next Board meeting to offer proof of license. The secretary was instructed to send a letter. WA6AIL, Larry, seconded the motion. It passed unanimously.

Vance, WA6KHA, reported that the current By-Laws are in error with the associate membership.

W6PDA, Wayne, has contacted Howard Shephard and he will assist us with the By-Laws changes.

Barbie, WA6URS, made a motion to adjourn at 10:01 p.m. Larry, WA6AIL, seconded the motion. It passed unanimously.

Respectfully submitted,

Barbie

Barbie Flinn, WA6URS
Secretary, SANDRA, Inc.

REPORT OF ANTENNA COMMITTEE

Tom, KF6Z, reports that the antenna selection committee met as planned on August 8. He says that there was a unanimous decision to replace the existing Stationmaster antenna on Mt. Laguna, which has deteriorated to the point that a rebuild or replacement is necessary. The new antenna will be a DB Products DB228E, a eight bay antenna with 8.5 db gain at our operating frequency. There was also a unanimous vote to install the antenna with an omnidirectional pattern. He pointed out that the new installation will not improve the radiated power capability of the system, since we are limited by law to 100 watts ERP, but there should be a significant improvement in received signal sensitivity at the site. Antenna was to be ordered August 10, to permit installation before winter weather sets in. FLASH! Reservations have been made with Organ Power Pizza for a pizza party as our regular membership meeting Thursday, September 17.

EDITOR'S NOTE: Mt. Laguna repeater trustee, W6PDA, requests that your comments on the Costa Mesa 147.75/.15 machine be sent to SANDRA P.O. Box or phoned to our Interference and Information number: 286-8550.

SANDARC ACTS

TWO SIGNIFICANT DONATIONS WERE UNANIMOUSLY VOTED BY THE SAN DIEGO COUNTY AMATEUR RADIO COUNCIL (SANDARC) AT THEIR LAST MONTHLY MEETING.

AS PROPOSED BY THE POWAY AMATEUR RADIO SOCIETY, \$1000 (TO BE MATCHED BY ARRL) WAS VOTED TO GO TO THE SUPPORT OF AMSAT. THIS MONEY WILL BE USED TO PURCHASE THOSE PARTS OF THE NEXT SATELLITE THAT AREN'T DONATED. THERE ARE SOME ITEMS THAT CAN BE OBTAINED BY NO OTHER MEANS. (SEE LAST ISSUE OF ORBIT MAGAZINE).

AS PROPOSED BY THE PALOMAR AMATEUR RADIO CLUB, \$500 GOES TO WESTLINK, THE VOLUNTARY AMATEUR RADIO NEWS SERVICE SO POPULAR ON OUR SUNDAY AND WEDNESDAY NIGHT NETS. THEY HAVE A LARGE UNPAID PHONE BILL THAT WILL PROBABLY BE REDUCED BY THIS MONEY.

THESE FUNDS, BY THE WAY, ARE MADE AVAILABLE FROM THE INTEREST EARNED ON SANDARC'S MONEY ACQUIRED AS A RESULT OF EFFICIENT MANAGEMENT OF THE 1978 ARRL NATIONAL CONVENTION HERE.

ARRL SW DIV ANNUAL EVENT

SCOTTSDALE CONVENTION - THE HIGHLIGHT OF THE YEAR'S ACTIVITIES IN THE DIVISION IS THE SW DIVISION CONVENTION. THIS YEAR IT IS BEING HELD AT THE RAMADA SAFARI RESORT IN SCOTTSDALE, AZ ON OCT. 9, 10, AND 11. A FULL PROGRAM OF TECHNICAL AND OPERATING TALKS HAS BEEN SCHEDULED, ALONG WITH AN EXHIBIT HALL FULL OF THE LATEST EQUIPMENT AND THOSE GOOD CONVENTION SPECIALS. THIS YEAR WE WILL ALSO HAVE SWAP TABLES AVAILABLE. SATURDAY NIGHT'S BANQUET WILL FEATURE A WESTERN STEAK DINNER WITH ALL THE TRIMMINGS, AND OUR HONORED GUEST WILL BE SENATOR BARRY GOLDWATER, K7UGA. WE ARE ALSO PLEASED TO ANNOUNCE THAT THE PRESIDENT OF ARRL, MR. HARRY DANNALS, W2HD, WILL BE WITH US AT THE LEAGUE BOOTH, FORUM AND BANQUET. OUR GUESTS FROM LEAGUE HEADQUARTERS WILL BE DAVE SUMNER, K1ZZ, AND DALE CLIFT, WA3NLO.

THE LOCATION OF THE CONVENTION IS THE RAMADA SAFARI RESORT, 4611 NORTH SCOTTSDALE, AZ 85251. TELEPHONE IS 602-945-0721. CONTACT THE HOTEL DIRECTLY FOR ROOM RESERVATIONS. BE

SURE TO MENTION THE ARRL SW DIVISION CONVENTION, AS A BLOCK OF ROOMS HAS BEEN SET ASIDE AT SPECIAL CONVENTION RATES. DON'T DELAY - THE BLOCK OF ROOMS WILL ONLY BE HELD UNTIL SEPT. 5. PLEASE TRY TO JOIN US IN SCOTTSDALE! YOU WILL FIND A REGISTRATION FLYER ON PAGE 24 OF THIS ISSUE.

ADVANCE PLANNING IS ALSO NOW UNDER WAY FOR THE 1982 ARRL SW DIVISION CONVENTION TO BE HELD HERE IN SAN DIEGO ON JUNE 4, 5, AND 6, 1982. THIS EVENT WILL BE SPONSORED JOINTLY BY SANDARC AND THE SAN DIEGO COMPUTER SOCIETY AT THE TOWN AND COUNTRY HOTEL AND CONVENTION CENTER, AND 4000 TO 5000 ARE EXPECTED.

WAITING IN a steamship office to be interviewed for a job as wireless operator, a group of applicants filled the room with such a buzz of conversation that they were oblivious to the dots and dashes which began coming over a loudspeaker.



About that time another man entered and sat down quietly by himself. Suddenly he snapped to attention, walked into the private office, and a few minutes later, came out smiling.

"Say," one of the group called out, "how'd you get in ahead of us? We were here first."

"One of you would have gotten the job," he replied, "if you'd listened to the message from the loudspeaker."

"What message?" they asked in surprise.

"Why, the code," the man answered. "It said: 'The man I need must always be on the alert. The first man who gets this message and comes directly into my private office will be placed on one of my ships as operator.'"



SCOTTSDALE AMATEUR RADIO CLUB



presents
**SOUTHWESTERN DIVISION
CONVENTION**

October 9, 10, 11, 1981

**SWAP MEET
TECH SESSIONS • PRIZES
EXHIBITS • LADIES PROGRAMS
TOUR SENATOR GOLDWATER'S SHACK
SENATOR GOLDWATER WESTERN STEAK DINNER SPEAKER**

all at the
SAFARI RESORT IN SCOTTSDALE

NAME _____ CALL _____

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

	Each Person	How Many?
ADVANCE REGISTRATION (\$7.00 at door)	\$ 6.00	_____
WESTERN STEAK (22 oz.) DINNER (limited) (\$20.00 at door)	\$19.00	_____
LADIES LUNCHEON/PROGRAM	\$ 8.50	_____
TOUR SENATOR GOLDWATER'S SHACK (limited)	FREE	_____
BUS TRANSPORTATION TO SENATOR GOLDWATER'S SHACK	\$ 2.00	_____
<i>(admission by bus only)</i>		
FLEA MARKET TABLES (one table, two chairs, Saturday only)	\$ 5.00	_____
CHECK/MONEY ORDER ENCLOSED	TOTAL \$	_____

MAKE PAYABLE TO SARC CONVENTION COMMITTEE

**MAIL TO: SARC CONVENTION
P.O. BOX 3073
SCOTTSDALE, AZ 85257**

HOTEL RESERVATIONS CONTACT:

**Ramada Safari Resort
4611 North Scottsdale Road
Scottsdale, Arizona 85251
(602) 945-0721**

**PRIZE DRAWING — 10 AM SUNDAY MORNING
BREAKFASTS — DX & OTHER HOSPITALITY SUITES**

JUN'S

With deep regret we announce the death of EDWARD LEVIZON, WD6AMV.

Ed, holder of an Advanced license, was electrocuted by high voltage from the power supply of his low band linear. (Circumstances unknown.) Ed was employed by Jun's Electronics at our Culver City store. We will all miss Ed.

Thurman, W600X, Manager, San Diego Store

When working on HV gear, always be sure all voltages are off and keep one hand in your back pocket.

INFLATION GOT YOU? LOW ON FUNDS?
THURMAN, W600X HAS A SPECIAL SALE FOR YOU!

FT 207 H.Ts \$249.95

WITH BATTERIES-RUBBER DUCKIE

"WHILE THEY LAST"

COME AND GET THEM

ASK ABOUT THE FREEBIE

7352 UNIVERSITY AVE.

LA MESA

463-1886

STORE HOURS: MONDAY THROUGH SATURDAY 10:00 AM TO 5:00 PM

SPAR

SOCIETY for the PROTECTION of AMATEUR RADIO

The acronym SPAR is a signal from a growing group of dedicated Amateur Radio Operators who are taking a mature and serious approach to the preservation of our great hobby. The following is a WESTLINK Radio News Bulletin aired over our repeaters:

If two southern California hams are successful, Amateur Radio may soon have a lobbying organization all of its very own and with the blessings of the A.R.R.L. to boot.

For some time Dick Belden, K6QYL, and Bob Dyruff, W6POU, have been working quietly building the foundation for a group they call SPAR - the Society for the Protection of Amateur Radio.

Recognizing that an organization such as SPAR was essential to the Amateur Service, this to ensure that the Amateur Service would have a future based on traditional values, the two Santa Barbara-based amateurs have worked on hopes of building support for their idea. It was soon evident that the support was there. So, on June 14th, Articles of Association were formalized and announced.

According to its founders, the purpose of SPAR is to support, when needed, the interests of Amateur Radio as defined by the American Radio Relay League; this, by the strongest possible political action against harmful regulation and legislation. At the same time, they plan to vigorously support regulation and legislation deemed to be beneficial to the Amateur Service. To achieve this end, SPAR plans such events as organized letter-writing campaigns, introduction of legislation on various levels, and legal actions as needed.

Eventually, they plan to have a Washington-based, full-time legislative advocate whose sole purpose is the protection of our U.S. Amateur hobby service. Their stand is a very simple one: mutual cooperation between Amateurs will lead to a stronger Amateur Service.

Unlike other organizations in the past, whose sole purpose has been the opposition or replacement of the A.R.R.L., SPAR feels that its success lies in cooperation and unity with the League. Their attitude is very positive and, given time, there's a good chance their organization will be successful.

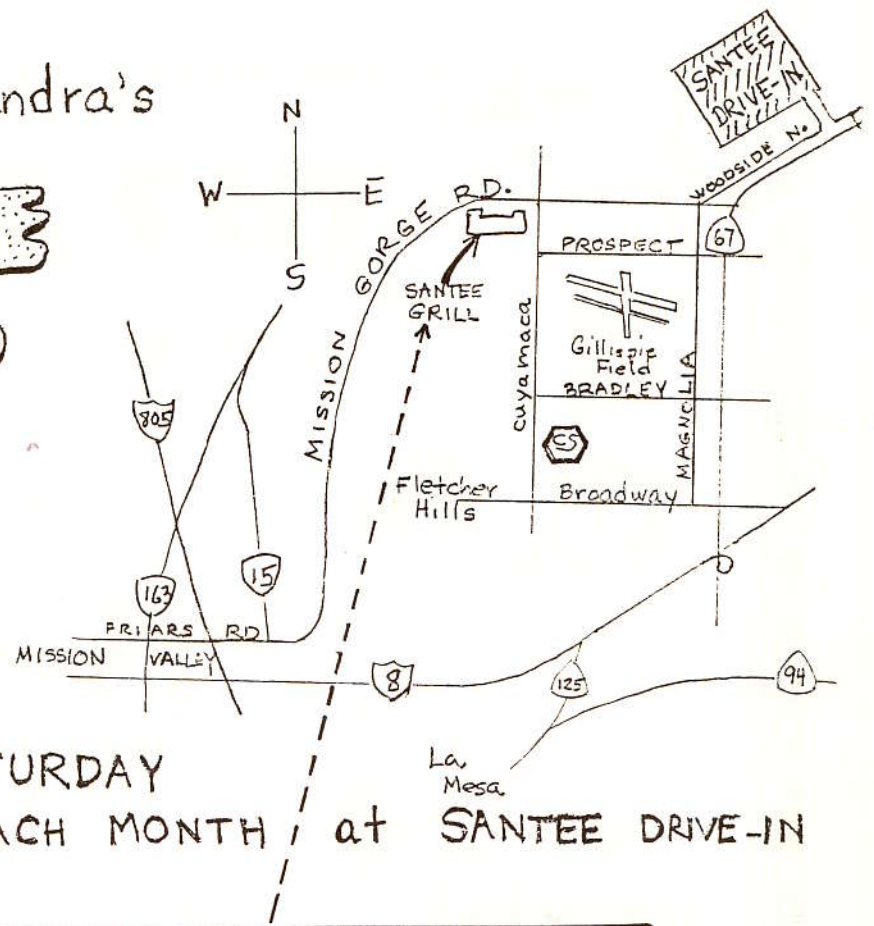
Their address is: SPAR - P.O. Box 41, Santa Barbara, California 93102. A self-addressed, stamped envelope will bring further information.

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

HAM RADIO SPECIAL!

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



Family Nite Mon:
\$4.00 ALL YOU CAN EAT
Spaghetti, Pizza, Salad,
Garlic Bread

FREE
Pitcher of Pop

With Purchase of Large Pizza
A \$2.50 Value

With coupon thru 9-15-81

OPEN EVERY NIGHT AT 5 p.m.

Enjoy the Finest Music in the Southland — Big, Thick, Juicy Pizzas, Computer Games for the Children and Live Organ Music for All. Come and Step Back into the Atmosphere of the 1890's. They play ALL Types of Music from Country and Rock 'n' Roll to Classical (on your request). It's a Perfect Night Out for Everyone — A Place to Eat, Dance and Listen to the Music of Tommy Stark on the Organ.

Special Attention is Paid to Birthdays and Anniversaries. Arrangements can Easily be made for Parties and Meetings. This is a Real Family Restaurant with a Touch of Organ Power.

organ power pizza

3459 Imperial Ave., Lemon Grove

463-6977

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Vice President
 WA6AIL LARRY COX 277-6352

Secretary
 WA6URS BARBIE FLINN 426-4881

Treasurer
 WB6CDK WALT BELLISTON 287-0918

Membership
 WA6KHA VANCE BELLISTON 464-2012

Meetings
 N6AVR BOB AVILLA 295-2695

M.A.L.
 N6LY LARRY HARVEY 224-5647

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

M.A.L.
 N6EBL BRUCE SMITH 276-3109

TRUSTEES:

MT OTAY WA6YVX ED FLINN
 MT LAGUNA W6PDA WAYNE BAMFORD
 LYON'S PK WA6KHA VANCE BELLISTON
 SHARP'S HOSPITAL-K6QL DAVE FENDER
 AUTOPATCH CODE: 82# UP, 82# DOWN

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.

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STAFF: SYBIL ALLBRIGHT W6GIC 278-4284
 WALT HICKS W6UZL 292-7918
 DON DRAKE WA6IPW 692-1126
 INTERFERENCE & INFORMATION: 286-8550

* FREE *

GOOD AT REGULAR DRAWING

AUGUST, 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 900 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		



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 _____

NAME _____ CALL _____

ADDRESS _____ PHONE _____

CITY _____ STATE _____ ZIP _____

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

SANDRA, Inc.

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

BULK RATE
U.S. POSTAGE
PAID
Permit No. 1520
San Diego, Calif

Calendar Of Events

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30	30

AUG. 20: GENERAL MEMBERSHIP MEETING, 7:30 PM, NORTH PARK REC CENTER, 4044 IDAHO STREET.

AUG. 15: T-HUNT STARTING AT DEL CERRO HEIGHTS AT 8:00 PM ON 146.76. ALL HAMS WELCOME.

AUG. 27: REGULAR MEETING OF SANDARC, 7:30 PM AT 3650 FIFTH AVE.

SEP. 3: MEETING OF THE BOARD OF DIRECTORS AT THE BONANZA RESTAURANT, 2633 EL CAJON BLVD. AT 7:30 PM. MEMBERS WELCOME.

SEP. 5: SWAP MEET AT THE SANTEE DRIVE-IN AT 7:00 AM.

WEEKLY NETS: 04/64 SUNDAY AT 8 PM.
75/15 WEDNESDAY AT 7:30 PM.

DATED MATERIAL

Address Correction Requested

ARRL MEMBERS CHECK LIFE OR ANNUAL

TO RENEW, CLIP AND MAIL WITH YEARLY DUES.

\$10 FULL MEMBERSHIP TO:
\$12 LIMITED

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