



ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XVIII, NO. 9

P.O. BOX 95, ORANGE, CALIF. 92668

SEPTEMBER 1977



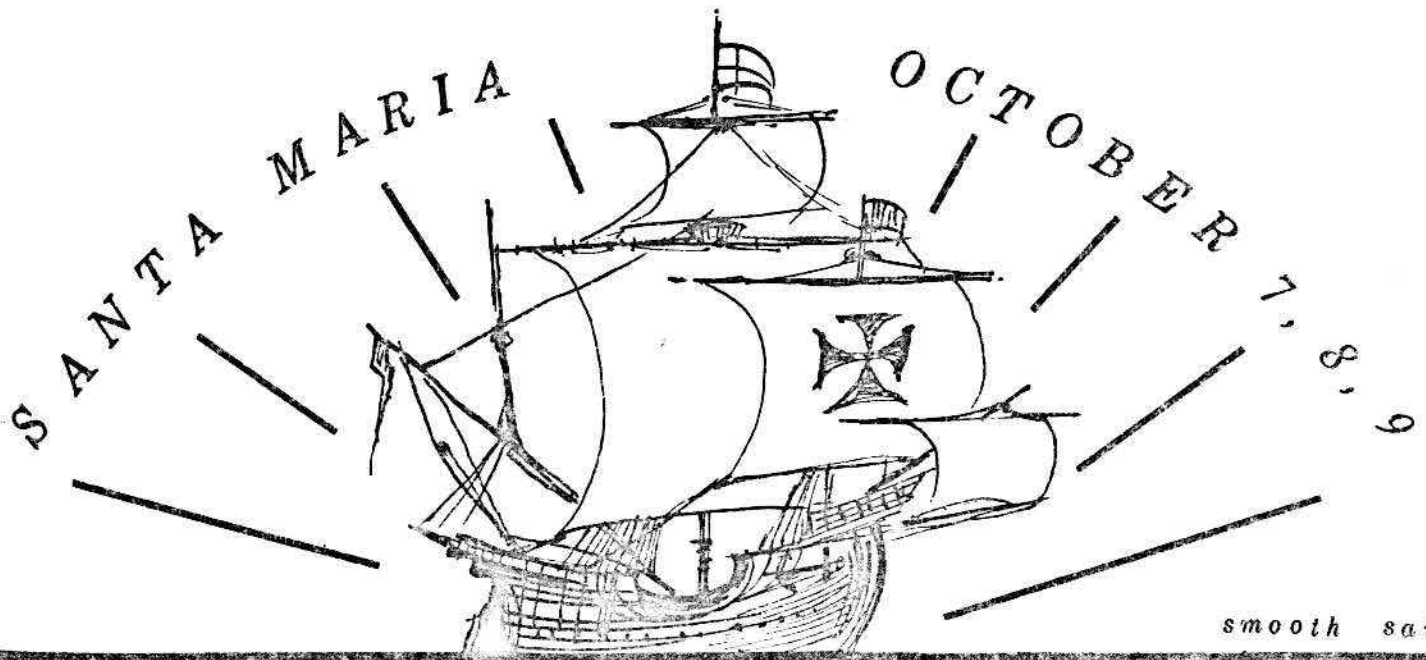
1977

SOUTHWESTERN DIVISION

**AIRTEL CONVENTION**

*Convention Center Santa Maria, California*

# COLUMBUS DAY WEEKEND



*smooth sailing*

**NO HURRY.....FUN AND RELAXATION.....NO PRESSURE  
FREE PARKING CITY WIDE.....CAMPER SPACE ON THE GROUNDS  
TALKS ..... CONTESTS ..... EXHIBITS  
SANTA MARIA BARBECUE.....ALL YOU CAN EAT!**

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-- 1977 CLUB OFFICERS --

PRESIDENT	FRIED HEYN	WA6WZO	549-8516
VICE PRESIDENT	JIM KINGSBURY	WA6LFF	531-8717
TREASURER	TED GLICK	K6LJA	542-1390
SECRETARY	KEN KONECHY	W6HHC	541-6249
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MEMBERSHIP	TERRY MATHERS	WB6IHZ	638-2565
PUBLICITY	BOB MILES	WA6LEW	839-9154
T.V.I.	FRANK GREGG	WB6KJS	968-1450
M.A.L.	KEI YAMACHIKA	W6NGO	538-8942
	MARTIN RAYMOND	WB6PEX	532-4090

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YOUTH			
REPRESENTATIVE	DREW MEEKS	WA6MMG	839-0274
INFORMATION ON			
HAM RADIO CLASSES	NATE HOOKER	WA6MPI	545-1298

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EDITOR	BOB MALLER	WB6AJV	832-6170
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- Meeting: Third Friday of each month at Mercury Savings and Loan, 1095 Irvine Blvd., Tustin, CA at 7:30 pm.
- Nets: Wednesday, 7:00 pm. 21.175 MHz CW, and 8:00 pm. 21.375 MHz SSB. All stations are welcome to check in. Two meter net every Wednesday night at 9:00 pm. after the SSB net on 146.55 MHz simplex.
- Breakfast: First Saturday of each month, 8:30 am. at Barnabys Coffee Shop, 144 So. Tustin Avenue, Orange, CA.

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CALLBOOK SERVICE

The club has copies of the latest United States and foreign callbooks which are available at the meeting. Also, you can contact Bob Eckweiler - WB6QNU - at home (639-5074) most any week night between 7:00 pm. and 9:00 pm. if you need addresses. If you have more than one call for Bob to check, he'll get them for you and call you back the same night. Also, you can usually catch Bob on the air during and after the Wednesday evening club net.

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THIS MONTH'S MEETING

Join the OCARC for the September meeting. We are having a talk and demonstration on the RX-noise bridge for antenna tuning. The speaker will be W6NKU, Frank Dotting, a co-author of the article in HAM RADIO MAGAZINE of February 1977. Frank is a resident of Santa Ana and will give a twenty to thirty minute talk.

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

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THE PREZ SEZ:

The picnic last month was a great success, thanks to the sixty some people that came. A very special thank you goes to Drew WA6MMG for the great job he did in organizing and running the "show". We all had the chance to do a little haming since Vic WA6RNA brought his 2 meter rig and Frank WA6VKZ supplied a 10 meter rig including a dipole strung between two trees. Not only did we have volleyball and softball games, but we had land sailing thanks to one of our new members--Bill WD6BYZ.

Anyone interested in our licensing class (including the new General class which will start Sep. 15th) or our club "library" please call Jim WA6LFF (531-8717).

Our updated club roster will be printed next month; if you have any additions or corrections, please call Terry WB6IHZ (638-2565). Also start thinking about cleaning up your electronic collections for the club auction which will take the place of next month's meeting.

We again are having problems in getting our Newsletter printed cheaply. If anyone can help us please call me (549-8516). We hope to be able to continue publishing the "RF" without having to reduce the size. Suggestions and donations of material are always welcome.

The Southwestern Division ARRL Convention will be held this year at the Convention Center in Santa Maria, October 7th, 8th and 9th. Also later in the month of October John Griggs, W6KW--Southwest Director of the ARRL-- will speak at Savanna High School in Anaheim on the 24th at 7:30 PM.

It is with great sorrow that we must announce that Edna WB6QAO (XYL of Lee WB6FKD) became a silent key on August 23. Even though both have been retired--they were the managers of the Wycliffe Plaza since it opened last year where we currently have our license classes due to their kindness. Edna was very active in handling traffic for the Wycliffe and Lutheran Bible translators. The club has sent flowers; anyone wishing to contribute further please send your donation to Trinity Lutheran Church Broadcast Fund, 921 South Birch, Santa Ana, Ca. 92701.

I would like to thank Jack N6UC for the fine program last month. We are looking forward to visiting with all of you at the next meeting which will be an interesting program on noise bridges.

③

Very 73,



Fried, WA6WZO



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WATTS TO HEAT CONVERSION CHART

The following chart has been prepared for all you power MAD people who are hungry for a big signal level.

I hope it will be of some interest.

Rick, WA6JZZ

ASSUME	160	80	40	20	15	10
180 Watts input, 120 Watts output. 0.75 DB tuner & TVI filter loss. 100 ft. of RG 58 coax. WATTS TO ANT. EQUALS	90	85	82	70	65	58
Changing to RG 8 coax. WATTS TO ANT. EQUALS	96	93	92	86	84	80
+DB ON TX & RX EQUALS	0.28	0.42	0.50	0.90	1.10	1.40
1000 Watts input, 670 Watts output. 0.5 tuner & TVI filter loss. WATTS TO ANTENNA	560	542	532	485	463	434
TX DB & RX 'S' UNIT INCREASES ARE SHOWN AT THE RIGHT	DB 7.95	8.05	8.12	8.43	8.54	8.75
	'S' 1.33	1.34	1.35	1.40	1.42	1.46

NOTES

1. Locating the antenna at a rare DX spot results in a 30 DB increase in signal level.
2. Even a minimum beam installation puts your signal 2.7 'S' units down from a kilowatt if your using a vertical or dipole.
3. You must be single, retired or married to another ham to win a contest.

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ADDITIONAL CALLBOOK SERVICES

Bill - WA6YKH - has purchased a new callbook including the supplements and will be willing to help out with call letter addresses. His phone number is 544-2710.

**DX NETS** DARC recently ran a list of DX Nets and it should be interesting to those looking for something in this area of activity. Acknowledging that some nets are delicate things that come and go, the DARC list is given for guidance and information.

Day	CMT	FREQUENCY	MODE	Net Control	Name of Net
	0200	3815	SSB		Arkansas DX Net
Sunday	0300Z	3775kc	SSB		Central and South America DX Net
	0345	7085	SSB	VP1EH	Afro-Caribbean Net
	0400	14265	SSB		Pandora's Box Net (Possibly inactive)
	0700	14115	SSB	S79DF	Indian Ocean Net
	0700	14180	SSB	TU2DO	Africa Net
	0700	21225	SSB	ZL1HEX/VK3EA	VL/ZL/African Net
	0800	3780	SSB		HB Net
	0900	3660	SSB		DM DX Net(2nd and 4th Sundays)
	0900	3702	SSB		OK DX Net
	0930	3570	CW		ISWL Net
	1100	14175	SSB		Asia/Caribbean Net
	1730	14280	SSB		Africa/Europe/AMSAT Net
	1800	14280	SSB	W3ZM	International AMSAT Net
	1800	21250	SSB		Antarctica Net
	1900	21280	SSB	W3ZM	International AMSAT Net
Monday	1400	14250	SSB		Arabian Knight Net
	1800	3750	SSB		South German DX Group Net
	2100	3720	SSB	DK4DX	ISWL Net
Tuesday	2400Z	14310	SSB		International/Pacific Maritime
	0200	3845	SSB		North Carolina DX Net
	0600	14265	SSB		Pacific DX Net
	0830	14305	SSB		Micronesia Net
	1500	7 cc	SSB		SE Asia Net
Wednesday	0900	3650	SSB		VK Net
	1100	14175	SSB		Asia/Caribbean Net
Thursday	1700	14197	SSB		Caribbean DX Net
	1900	3700	SSB		YU DX Net
	2400Z	14310	SSB		International/Pacific Maritime
Friday	0200	3815	SSB		Arkansas DX Net
	0430	14250	SSB	DW9WR	World DX Net
	0500	14195	SSB	7Z3AB	Arabian Net
	0500	14250	SSB	JY3ZH	International DX Net
	0600	14265	SSB		Pacific DX Net
	1100	14175	SSB		Asia/Caribbean Net
	1330	14195	SSB	JY3ZH	Arabian Knight Net
	1400	14250	SSB	UX5VAF	DX Net
	1500	7mc	SSB		SE Asia Net
	1740	3750	SSB	DX4DX	DX Rundspruch/DL
	1900	3750+	SSB		SDMX Net
	2120	3602	SSB		Dutch DX Information Net

Day	CMT	FREQUENCY	MODE	Net Control	Name of Net
Saturday	0200	3845	SSB		North Carolina DX Information Net
	0345	7085	SSB		Afro-Caribbean Net
	0500	14347	SSB		Pacific Net
	0700	21225	SSB		VK/ZL/Africana Net
	1000	14250	SSB	UR8LL	USSR DX Net
	1000	14280	SSB	G3IOR	Western Europe AMSAT Net
	1400	14175	SSB		Asia/Caribbean Net
	14280	SSB			African Net
	1730	21280	SSB		African Net
	1800	21250	SSB		Antarctica Net

Day	CMT	FREQUENCY	MODE	Net Control	Name of Net
Daily	0530Z	14313kc	SSB		Mickey Mouse Net (South Pacific)
	0700	14315	SSB		Inter-Island Net (Western Pacific)
	1030	3815	SSB		Antilles Weather and Emergency
	1100	7158	SSB		Caribbean Net
	1100	21320	SSB		SE Asia Net
	1200	14320	SSB		SE Asia Net
	1430	21354	SSB		British Commonwealth Net
	1600	14312	SSB		Coast Guard Net (Gulf & Caribbean)
	1700	14333	SSB		YL International SSB System
	1730	21355	SSB		Africana Net (Possibly inactive)
	1800	14170	SSB		French Net
	1800	14120	SSB		Atlantic/Mediterranean Net
	1900	21355	SSB		Africana Net (Possibly inactive)
	1930	21300	SSB		West Africa Net
	2030	3780	SSB		DX Information Net
	2000	5790	SSB		Asia Net
	2100	3620	SSB		USSR Net
	2100	3795	SSB		European 8cmtr DX Information Net
	2100	21360	SSB		LX4 Net
	2230	3815	SSB		Antilles Weather Net

Bearing in mind that all things change, we will be looking for corrections. Sometime in the future we will run another listing and we will want to add to or delete from this list.

Because of their local nature, 2-meter nets were not listed. We know of some others that we did not include this time, some we got no reply to request for exact information, others just did not bother.

The feeling is that these lists can help the desperate DXer. The more desperate you are, the more help they may be.....

## QSL?

World QSL Bureau

111 Farm Hill Road, Los Gatos, Calif. 95030

The Dig Help for the Big DXer! Let World QSL Bureau carry the work-load for you, QSLing at rock-bottom prices 6¢ per card to DX countries. Make up a bundle of twenty and they go for 5¢ each. Bundle a hundred and it's 4¢ each!

Unbelievable!! Bundle with Ore

"RF"

ORANGE COUNTY AMATEUR RADIO CLUB

SEP. 1977

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MINUTES OF MEETING OF FRIDAY AUGUST 19, 1977

All club officers were present except WB6KJS, W6NGO, and WB6QNU.

The evening's program was a slide show presented by the club's own DXer--Jack N6UC (who owns 318 countries). Jack really entertained everyone with slides from the twelve countries that he and his XYL (Ester) visited in Europe this summer. The countries included: England, Netherlands, Belgium, Luxemburg, Germany, Switzerland, Liechtenstein, Austria, Italy, Vatican, Monaco and France. Although Jack did not get a chance to do any operating, his fantastic slide show seemed to indicate that he still managed to have a great time.

Al W6IBR announced the formation of a new 2 meter CW net on 145.600 MHZ each Monday evening at 7 PM.

Jim WA6LFF announced that the club's latest novice class had started on 8/18/77.

A motion was made and passed to allow the club to pay for the food at the upcoming club picnic.

Ted K6LJA reported that the club's treasury had \$782.00 in the checking account and approximately \$700.00 in the savings account.

The total number of members and visitors at the club meeting was 71.

Respectfully,  
Ken - W6HHC

EDITOR'S NOTE: a motion was made by Sandi WA6WZN and seconded by Jim WA6LFF (as suggested by the board), "members that renew their dues in Nov. or Dec. for the following year shall receive a 25% discount." Since this is an amendment to the By-Laws this motion will be discussed and voted upon at the September meeting; it must be passed by 2/3 of the members present.

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MOUNTAIN TOP DX-PEDITION

Interested in QRP DX-pedition? We plan to leave Friday (Sep. 23) and backpack near Mt. Gorgonio returning Sunday (Sep. 25). There will be an organizational meeting Saturday (Sep. 17); if you are interested in this exciting weekend contact Terry WB6IHZ (638-2565) or Frank WA6VKZ (838-3271) for further details.

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F. C. C. 213-426-7886

3711 Long Beach Blvd. Suite 501, Long Beach, Ca.

Testing every Wednesday 8AM and 12 noon

## 1978 WORLD FRIENDSHIP and SCOUT EXCHANGE OPPORTUNITIES

- Scouts      • Explorers      • Patrols
- Leaders    • Troops            • Posts

### SCOUT/EXPLORER OPPORTUNITIES

- **European Friendship Tour for Explorers:** July 2-22, 1978. Group of 40 Explorers and leaders; one week touring, one week at Kandersteg, Switzerland, and one week of home hospitality—coed.
- **Third Asia-Pacific Jamboree—Oamaru, New Zealand:** Dec. 28 - Jan. 16, 1978. One troop of 40 boys and leaders, possibility of touring and home hospitality going to and from New Zealand.
- **7th National Jamboree, Boy Scouts of Nippon—Gotemba, Japan:** Aug. 1-15, 1978. Two troops of 40 each, one from the West Coast and one made up of boys from other parts of the country; possibility of touring and home hospitality going to and from.
- **European Friendship Tour for Scouts:** July 2-22, 1978. One week of touring, one week at a Scouting event(s), one week of home hospitality

### ADULT SCOUTER TOUR

- **Adult Scouter Tour to England:** August 28 through September 10, 1978. Spend time in London and a countryside tour with visits to Scouting landmarks—Baden-Powell House, Brownsea, and Gilwell.

### HOSTING/EXCHANGE PROGRAM

- Host a patrol from another country in summer of 1978
- Invite a troop to share your camp or camporee
- Take part in overseas expedition or friendship tour

For complete information and costs,  
mail coupon to: International Division,  
BSA, North Brunswick, N.J. 08902

International Division—BSA, SUM 0119  
North Brunswick, New Jersey 08902

Please rush my brochures and information on the following opportunities:

#### Scouts/Explorers

- European Friendship Tour for Explorers
- Third Asia-Pacific Jamboree—Oamaru, New Zealand
- 7th National Jamboree, Boy Scouts of Nippon—Gotemba, Japan
- European Friendship Tour for Scouts
- Plan-your-own-program
- International Hosting

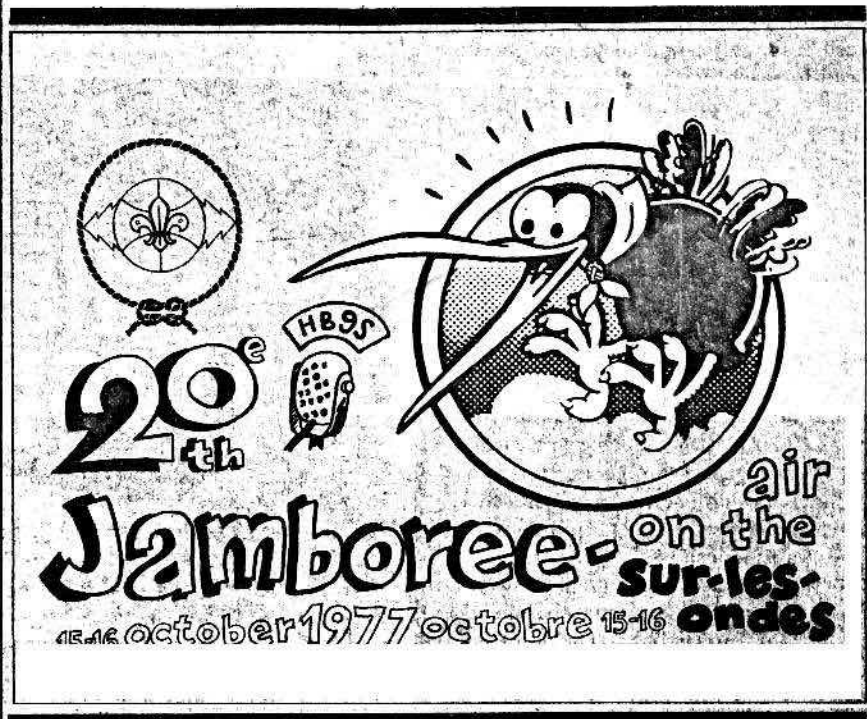
#### Adult Scouters

- Adult Scouter Tour to England

name \_\_\_\_\_

address \_\_\_\_\_

city \_\_\_\_\_ state \_\_\_\_\_ zip \_\_\_\_\_



**M**y name is Dave Williams. I belong to the Eagle Patrol, Troop 27 in Smackover, Arkansas, and I'm a Second Class Scout. Over."

"This is Geoffrey Frazier. I belong to the Second Essex Group in England. I am a Queen's Scout. Have you been hiking lately? Over."

That's the kind of talk that will be going on during the 20th annual Jamboree-on-the-Air. Via shortwave radio Scouts will chat with other Scouts all over the world, as well as in the United States. Scout radio amateurs (hams) will talk to other Scout hams. In addition, radio amateurs who are not Scouts or Scouters will invite Cub Scouts, Explorers and Scouts to their radio rooms (ham shacks) to participate in this activity sponsored by the World Scout Bureau based in Geneva, Switzerland.

Saturday and Sunday, October 15-16, will be the JOTA weekend. However, times are flexible and Scout radio chatter usually starts on Friday evening. JOTA is not a contest; its main purpose is simply to get together on the air in Scouting and world friendship.

If you are a ham, invite some Scouts to come see your shack and yak on the air. If you are not a ham, contact a local amateur or amateur radio club and get an invitation.

Be sure to report your participation to JOTA, BSA, North Brunswick, N.J. 08902. Each Scout participant—anyone who either talks on radio or simply looks on—gets a card certificate. (See the illustration.) If you are a Scout leader, give the

number of Scouts who took part. The certificates make nice awards for the next pack or troop meeting or court of honor. Send pictures of your participation too.

These calling frequencies have been suggested. On contact, move to another frequency:

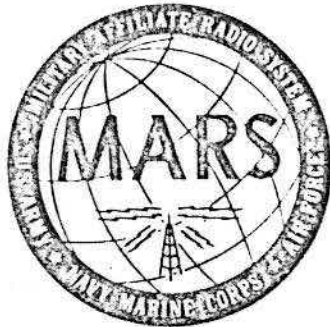
CW	Phone
3,590	3,740
3,740	3,940
7,090	7,240
7,140	14,290
14,070	21,36
21.14	28.99
28.19	

F ZERO AA, a station in France, will represent the World Bureau. K2BSA, the Boy Scouts of America National Office/Boys' Life Radio Club station, will be on the air for the entire period. Send QSL to K2BSA, same address as before.

In addition to code and phone, some stations will use teletype, amateur TV and some will even bounce signals off an orbiting amateur radio satellite. Even CB stations can pass along Scout greetings.

A highlight of the weekend will be a message from the President of the United States, Jimmy Carter. Greetings will be transmitted by WIAW, the American Radio Relay Station, on the following frequencies. All times are central daylight saving (CDST): 4 p.m., slow code; 7 p.m., fast code; 8:30 p.m., phone; 10:00 p.m., slow code; 11:30 p.m., phone. Code frequencies: 1.835, 3.58, 7.08, 14.08, 21.08; phone frequencies: 1.835, 3.99, 7.29, 14.29, 21.39.





# 1977 REGION 6 MARS CONFERENCE EXPLORING THE MANY FACETS OF AIR FORCE MARS

September 30 — October 2, 1977

### HOSTED BY

Rockwell International Radio Club,  
AFC6YPX, Anaheim, California

### WEEKEND HIGHLIGHTS

- Tours of AFC6YPX
- Seminar Conducted by Command MARS Director
- Special Region 6 / PACAF Phone Patch Display
- Operational HF/VHF Station
- Reports From Region Traffic Manager and State MARS Directors
- Special Invited Paper — "An Overview of AF MARS"
- Highlights of Region 6 Emergency Exercise
- Open Forum Panel Discussion
- Saturday Night Banquet
- Special Awards
- Equipment Drawings And Much More!

### SPECIAL REPORTS

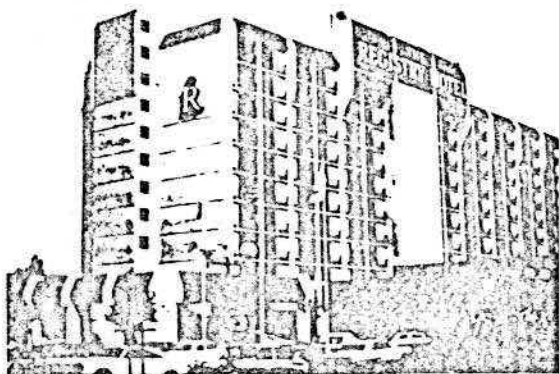
- Traffic Handling in Region 6
- Norton AFB Voice Repeater
- VHF State Net
- S. Calif. RTTY Traffic Repeater
- Region 6 Technical Library
- Base Station Operation — AGA6TR
- Equipment for MARS Members— Region Warehouse

### TECHNICAL SESSION

- Short HF Antennas for MARS
- Antenna Tuners for MARS
- Accurate, Inexpensive Frequency Counter for KWM2
- Noise Bridges for Antenna Measurements

### THE REGISTRY HOTEL ORANGE COUNTY AIRPORT

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RVs welcome!!

Registration Forms will be sent to all Region 6 Members. For advance information or additional details, contact:

Quent Cassen, AFN6AF  
1729 Yurok Street  
Orange, CA 92667  
714/632-4954 days  
714/998-1536 evenings, weekends

## PLAN TO ATTEND!



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MARS CONFERENCE

The Rockwell International Radio Club, Anaheim, will host the Air Force MARS Region 6 Conference which takes place September 30 to October 2.

For any Southern California amateurs who might have an interest in MARS (Military Affiliate Radio System), this conference will provide an excellent opportunity to learn what Air Force MARS is all about. In fact, the conference theme this year is "EXPLORING THE MANY FACETS OF AIR FORCE MARS". MARS Activities include traffic nets (CW and teletype), VHF nets, phone patching, emergency preparedness, and others.

The conference will be held at the Registry Hotel, just opposite the Orange County Airport.

Friday afternoon (September 30) tours will be conducted at the Rockwell MARS Station AFC6YPX (Anaheim) which is in daily operation handling phone patches from Southeast Asia. A full day is planned at the registry Hotel for Saturday, October 1, with a wide variety of special reports and technical papers. One of the presented papers will be "An Overview of AF MARS", to give all attendees a complete picture of the many activities available to MARS members.

Additional information and circulars will be provided next month. Southern California amateurs interested in learning about what MARS has to offer are invited to attend.

TNX to A. E. Olson - W6QFU

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