SOUTHWESTERN DIVISION
1977 ARRL CONVENTION
Convention Center Santa Maria, California

COLUMBUS DAY WEEKEND

SANTA MARIA OCTOBER 7, 8, 9

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!

smooth sailing
-- 1977 CLUB OFFICERS --

**President** FRIED HEYN WA6WZ0 549-8516
**Vice President** JIM KINGSBURY WA6LFF 531-8717
**Treasurer** TED GLICK K6LJA 542-1390
**Secretary** KEN KONECHY W6HHC 541-6249
**Activities** BOB ECKWEILER WB6QNU 639-5074
**Membership** TERRY MATHERS WB6THZ 638-2565
**Publicity** BOB MILES WA6LW 839-9154
**T.V.I.** FRANK GREGG WB6KJS 968-1450
**M.A.L.** KEI YAMACHIKA W6NG0 538-8942
**MARTIN RAYMOND** WB6PEx 532-4090

**Youth Representative** DREW MEIKS WA6MMG 839-0274
**Information on Ham Radio Classes** NATE HOOKER WA6MPI 545-1298

**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 Barnaby's 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 W6NKG, Frank Doting, 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.
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 hamming 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 WB6THZ (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.

Very 73,

Fried, WA6WZO
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

<table>
<thead>
<tr>
<th>ASSUME</th>
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<th>40</th>
<th>20</th>
<th>15</th>
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<tr>
<td>180 Watts input,</td>
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<td>0.75 DB tuner &amp; TVI filter loss.</td>
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<td>100 ft. of RG 58 coax.</td>
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<td>82</td>
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<td>WATTS TO ANT. EQUALS</td>
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<td>WATTS TO ANT. EQUALS</td>
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<td>+DB ON TX &amp; RX EQUALS</td>
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<td>0.42</td>
<td>0.50</td>
<td>0.90</td>
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<td>1.40</td>
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<td>1000 Watts input,</td>
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<td>WATTS TO ANTENNA</td>
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<td>485</td>
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<td>434</td>
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<td>TX DB &amp; RX 'S' UNIT INCREASES ARE SHOWN AT THE RIGHT</td>
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<td>'S'</td>
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<td>8.05</td>
<td>8.12</td>
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<td>'S'</td>
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<td>1.46</td>
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</table>

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.

ADDITIONAL CALLBOOK SERVICES

Bill - WA6YKM - 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.
DIARY

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

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<th>Name of Net</th>
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<td>1600</td>
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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 the list.

Because of their local nature, no-meter nets were not listed. We know of some others that we did not include this time, so, 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.

world QSL bureau
777 Farm Hill Road, Los Gatos, Calif. 95030
The Big Help for the Big DXer. Let World QSL Bureau carry the work-load for you. QSLing at see-bottom prices.

$2 per card to DX countries. Make up a bundle of twenty and they go for $8 each. Bundle a hundred and its $6 each.
Unbelievable! Bundle with one.
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 WA6LPF 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 - W6HHQ

EDITOR'S NOTE: a motion was made by Sandi WA6WZN and seconded by Jim WA6LPF (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.

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.

F. C. C. 213-426-7886
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 Laufas,
Switzerland, and one week of home
hospitality—coed.

* Third Asia-Pacific Jamboree—Oamaru,
  New Zealand: Dec. 28 - Jan. 16,
  1978. Two troops of 40 boys
  and leaders, possibility of touring and
  home hospitality going to and from
New Zealand.

* 7th National Jamboree, Boy Scouts of
  Nippon-Gokoku, 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 hospital-
  ity 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—Bedson-Powell House, Brown-
  sea, and Giwell.

HOSTING/EXCHANGE PROGRAM

* Host a patrol from another country in sum-
  mer of 1978
* Invite a troop to share your camp or
  camporee
* Take part in overseas expedition or friend-
  ship tour

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

International Division—BSA, SUN 0119
North Brunswick, New Jersey 08902
Please rush my brochures and information on the
opportunities.

Scouts/Explorers

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

Adult Scouters

* Adult Scouter Tour to England

name
address
city state zip

My 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 Fraizer. I belong to the
Second Essex Group in England. I am a
Queen's Scout. Have you been hiking late-
y? 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 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 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—everyone who
either talks on radio or simply looks
on—gets a card certificate. (See the illus-
tration.) If you are a Scout leader, give the
number of Scouts who took part. These
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:

14.070
14.070
14.240
14.300
14.280
21.14
21.14
28.19

F ZER0 AA, a station in France, will
represent the World Bureau, KE2BA, the
Boy Scouts of America National Office/
Boys' Life Radio Club station, will be on
the air for the entire period. Send QSL to
KE2BA, 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 orbit-
ing 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 W1AW, 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: 1.825, 3.55, 7.08, 14.08, 21.08;
phone frequencies: 1.825, 3.55, 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
18600 MacArthur Boulevard
Irvine, California 92715
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Orange County’s Newest Hotel, The Registry, is truly the ultimate in luxury and comfort: Las Vegas shows, tennis courts, swimming pool, 24-hour coffee shop, free transportation from Orange County Airport.

Bring your spouse — even better, the whole family. Visit nearby Disneyland, Knott’s Berry Farm, Marineland, Newport Yacht Harbor, Lion Country Safari, Catalina Cruise Excursions.

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
714/998-4954 days
714/998-1536 evenings, weekends

PLAN TO ATTEND!
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 APC6YFX (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 - W6QPU

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