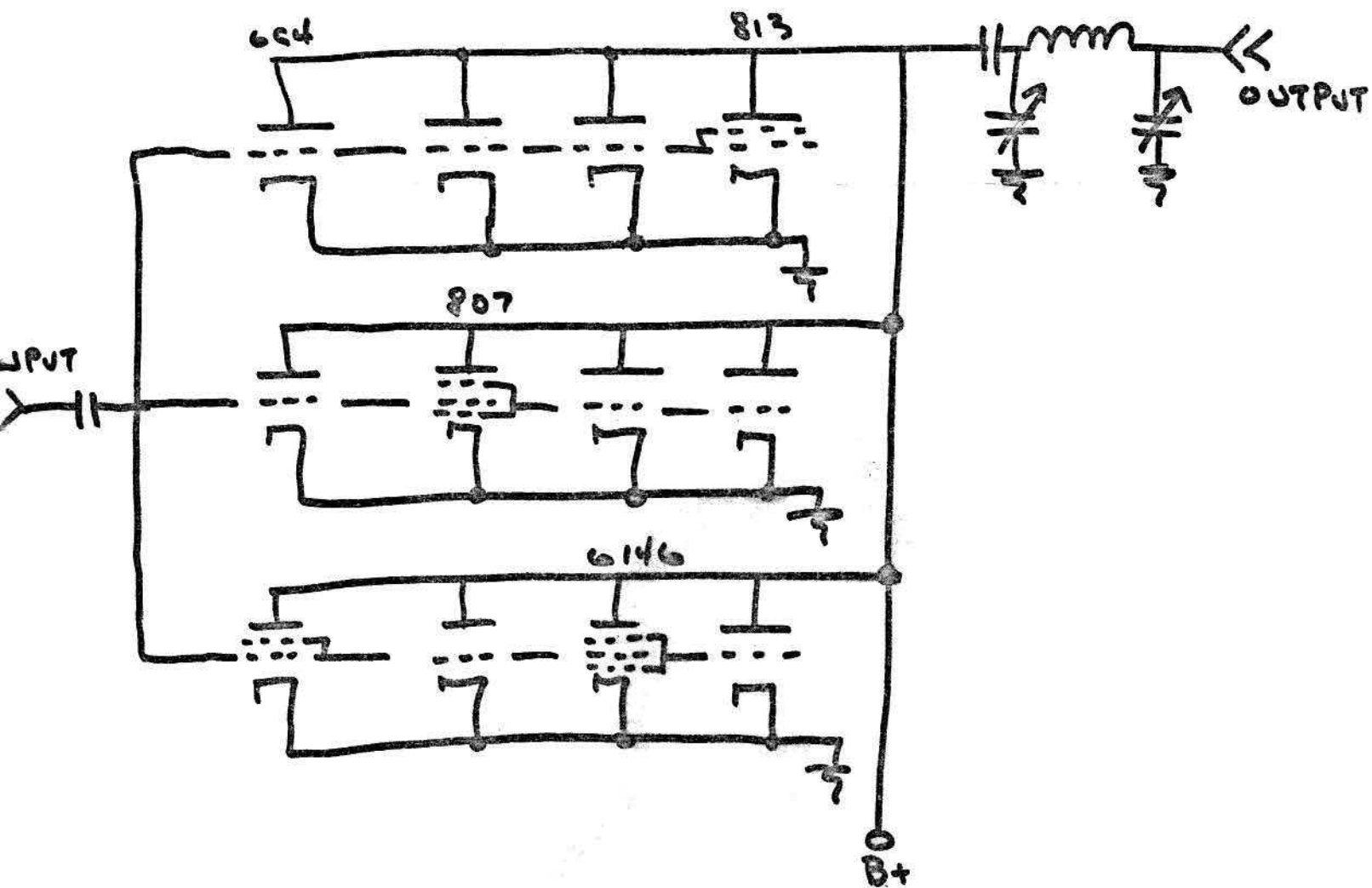


ORANGE COUNTY AMATEUR RADIO CLUB

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

AUGUST 1973

IS THIS ANY WAY TO DESIGN YOUR
LINEAR AMPLIFIER ???



DON'T MISS THE AUG '73 MEETING

1973 CLUB OFFICERS

PRESIDENT	BOB ECKWEILER	WB6QNU	639-5074
V. PRES.	KEN KONECKY	W6HHC	541-6249
SECRETARY	JACK BRIGGS	WB6YMV	544-3665
TREASURER	TED GLICK	K6LJA	542-1390
ACTIVITY	ERNIE FUERTE	WA6GXV	839-7107
TVI	DAVE HOLLANDER	W6COJ	541-9133
MEMBERSHIP	BILL ROBINSON	WB6WOO	542-7958
PUBLIC REL	JACK SHAW	W6YWN	633-8742
M.A.L.	RON CADE	WA6FIT	897-8059
	KEI YAMACHIKA	W6NGO	538-8942

EDITOR	DON KLOS	W6OOH	832-9682
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OCARC ACTIVITIES

MEETING 3rd Friday of each month, 7:30 PM at;
Mercury Savings and Loan
1095 Irvine Blvd (4th Avenue)
Tustin, Calif.

GUESTS ARE ALWAYS WELCOME

BREAKFAST 1st Saturday of each month, 8:30 AM at;
Mannys Restaurant
17th Street at the Newport Freeway
Santa Ana, Calif.

MEETS IN BACK OF ROOM

15M NET Club station W6ZE meets every Tuesday
at 8:00 PM on 21.375 MHz. All amateurs
are welcome to check in. Club and ARRL
bulletins read.

15m CW NET Club station W6ZE meets every Tuesday evening
from 7PM to 8PM on 21.175 Mhz. All amateurs
are welcome to check in. Lots of CW practice for
everyone.

CALLBOOK SERVICE

The club has copies of the latest callbooks which are available at each meeting. Also, you can contact Ernie, WA6GXV on Tuesday and Thursday Evenings between 7:00 PM and 9:00 PM if you need addresses. If you have more than one call for Ernie to check, he'll get them all and call you back that same night. Ernie has indicated that he will accept calls on Sunday morning if he is home.

THE PREZ SEZ:

The last meeting, I feel was a great success. It was nice to see so many new faces. Almost every one arrived late so the meeting started off with a fairly small turn out. When I turned around about half way thru the first of several good field day movies it was a pleasant surprise to find standing room only!! We'll put out more chairs for the next meeting. Welcome to the Orange Co. Amateur Radio Club; we're a good group and would be glad to make you a part of it.

Thanks to Roy MCU for the fine video tapes he took of field day. We are seeing about making an edited 30 minute copy for the ARRL. Thanks also to Ted, LJA; Art, LHB; Ken, HHC; and Tom, SFK for their fine photography work.

Let's all attend the picnic at the Newport Dunes (see page 7) This is being put on by our club and is open to all clubs, hams, and hams to be. Bring your own food and drink and any gear you want to swap.

de WB6QNU SK

PS Get your gear together for the October OCARC auction.

2 METER FM REPEATER NEWS:

With the new FCC rules on repeaters and their issuing of new WR prefix calls for repeaters there have been some changes in the local repeater situation. Here is the latest information I've got. I hope it is correct. Any changes or additions should be sent to the clubs PO Box or to me direct.

<u>NEW CALL</u>	<u>OLD CALL</u>	<u>LOCATION</u>	<u>F(INPUT)</u>	<u>F(OUTPUT)</u>
WR6AAA	WA6TWF	Santa Catalina Island	147.69	147.09
WR6AAB	WB6ZDI	Hollywood Hills	146.01	146.61
WR6AAC/6	WA6ZZE	Palos Verdes	146.37	146.97
WR6ABE	WA6TDD	Mt. Wilson	147.435	146.40 *
WR6ABJ	WA6FLH	Bel Aire	146.07	146.67
WR6ABQ	K6CPT	Los Angeles	147.87	147.27
WR6ACB	K6SYU	La Habra Heights	146.19	146.79
WR6ACD	W6FNO	Johnstone Peak	146.22	146.82
not received	WA6ALV	Crestline (San Bernadino)	146.25	146.85

* Most repeaters utilize 600 KHz spacing between their input and output frequencies. In the 146 MHz region the input frequency is low and the output is high and in the 147 MHz region the input frequency is high and the output frequency is low This is the standard spacing. Some early repeaters, and others for technical reasons do not use the standard.

BOB WB6QNU

FOR SALE National NCX-3 Transceiver with matching AC supply and speaker console...Very Clean \$165.00
 Motorola D4366V 2 Meter FM Transceiver with 146.94 crystals. 12 VDC \$60.00
 Contact Jim WB6YXY-826-3758

WHAT IS OSCAR 6 ?

by KEN - W6HHC

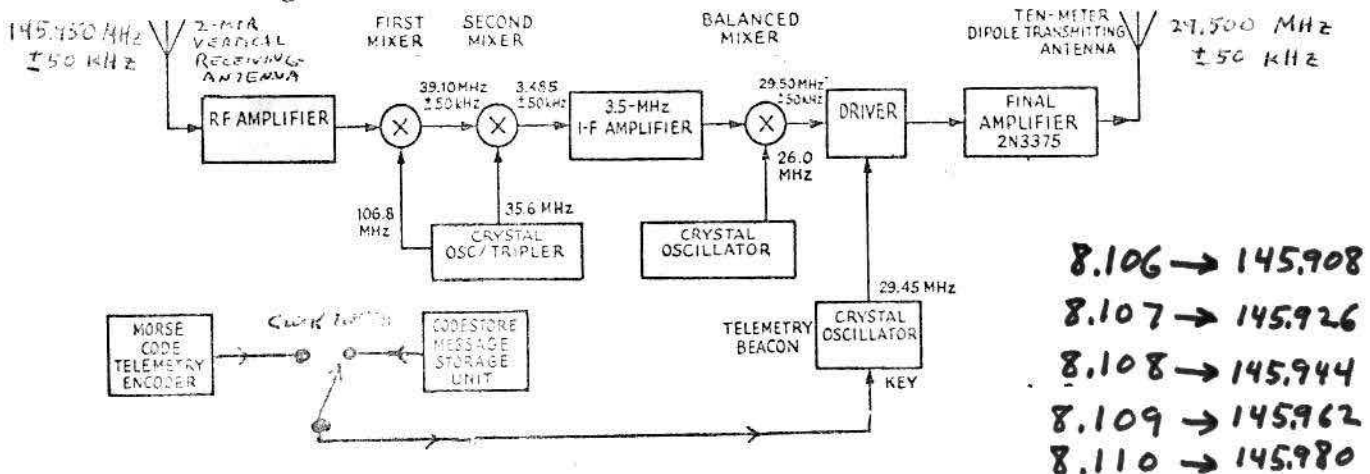
On October 15, 1972 the sixth of a series of satellites for the use by amateur radio was put into orbit. This bigger and better satellite was the result of more than two years of effort by a group of dedicated hams that formed AMSAT. Now after ten months of operation, here are some of the results. Two hams (VE2BYG and W3TMZ) have each worked 49 states and only need KH6. F9FT has worked 41 countries in addition to 24 states.

HOW DO YOU WORK OSCAR 6? WHAT FREQ ? HOW MUCH POWER ?

Well first let me describe the satellite. The OSCAR 6 consists of the following main units:

- A) a 2-MTR to 10-MTR repeater (1 Watt)
- B) a 435.1 MHz beacon (300 mW)
- C) a 29.450 MHz beacon that transmits either telemetry (morse code) or a stored message (CODESTORE)
- D) 6 solar arrays that charge 18 nickle-cadmium batteries
- E) 10-MTR dipole, 2-MTR vertical, and 435 MHz vertical

The diagram below shows you how the repeater is built. CW or SSB up-link signals are received by the 2-MTR vertical from 145.90 to 146.00 MHz. These signals are first converted down to 3.485 MHz \pm 50 kHz where they are input to the 10-MTR transmitter. The 10-MTR transmitter converts this input up to 29.450 to 29.550 MHz where they become the down-link signals using the 10-MTR dipole. In addition, morse code telemetry or a stored message can be inserted into this transmitter to serve as a beacon on 29.450 MHz.



- * Orbit period : 115 minutes (12.5 per day)
- * Orbit schedule over L.A. : listen to W1AW bltns
- * Beacon schedule : on daily
- * Repeater schedule: Thursday, Saturday, Monday (GMT !)

- * QSO range: 5000 miles
- * Range : within 2500 m Of orbit path
- * Period of pass: 25 minutes
- * Time until next pass: 8 to 10 hrs

8.1027 → 145.849
8.0255 → 144.459
8.0273 144.491

ORANGE COUNTY 1973 FIELD DAY RESULTS !!!

Bill Weise (W6CPB), the SCM for the Orange Section has reported the following results for the annual plaque presented by the Orange County Council of Amateur Radio Clubs (OCCARC). The participating clubs battle each year for the coveted plaque by submitting their scores for their three best bands on feild day.

ORANGE COUNTY AMATEUR RADIO CLUB:

40 meter phone-- 452 contacts
 20 meter phone-- 932 contacts
 15 meter phone-- 273 contacts

 TOTAL----- 1667 contacts

FULLERTON RADIO CLUB:

40 meter phone-- 542 contacts
 20 meter phone-- 502 contacts
 15 meter phone-- 506 contacts

 TOTAL-----1550 contacts

ANAHEIM AMATEUR RADIO ASSOCIATION:

40 meter phone-- 627 contacts
 20 meter cw----- 197 contacts
 20 meter phone-- 403 contacts

 TOTAL-----1227 contacts

FOOTHILL AMATEUR RADIO CLUB:

40 meter cw----- 75 contacts
 40 meter phone-- 200 contacts
 20 meter phone-- 200 contacts

 TOTAL----- 378 contacts (ed. ???)

the ORANGE COUNTY "LEFT FOOT" NET

Have you noticed how many novice stations you hear on the air these days?? Well, we sure do. And we think that all the new novices that have joined the club lately is one of the best shots -in-the-arm that a club can get. So , in order to retain our fame to be the best club in Orange County, the members are dusting off their old keys and seeing if the CW portions of their transceivers still work. On August 7, the first session of the OC LEFT FOOT NET came to life. It was great fun for all and greatly appreciated code practice was abundant. The charter check-ins were:

KEN - W6ZE (W6HHC)

FRIED - WN6WZO

ART - WA6LHB

BOB - WB6QNU

TOM - WN6VNE

SANDY - WN6WZN

The net welcomes everyone who can still find their key and begins before the regular SSB net on tuesdays.

DAY-- TUESDAY

TIME-- 7PM to 8PM

FREQ -- 21.175 mhz

LAST MONTH's MEETING

The last club meeting was a real field day reveiw. Roy-WB6MCU has to really be thanked for his sound and vidio recordings. Those shots of the 20M beam going up the tower were just out of this world. No less fantastic were the "with sound" shotsof the various tents with actual field day QSOs in progress. In addition, Art-WA6LHB had 8mm films , and Tom-WA6SFK and Ken-W6HHC both had slides. As a special treat our friends from the FOOTHILL club gave us a slide tour of their field dayon Saddleback. The attendance last month was 55⁺⁺ !!

JULY VISITORS:

HARRY SMITH/H. B.

NEAL/ WN6TZA

LYNN SMITH /G. G.

GEORGE NORTHWAY/FULLERTON

DAN / WN6PLP

RICH / WA6OBM

RON / WB6HWF

DOUG MECHAM / ANAHEIM

REGAN / WN6UVJ

DUANE / WØHAW

MIKE/ WA4HBO/W6FCS

ANDY / WA6HNI

RON KOHNKE/ CHICAGO

DON/ WB6DFI

NEW MEMBERS IN JULY

The ORANGE COUNTY AMATEUR RADIO CLUB is proud to welcome the following new members who joined at the July meeting!!!!!!!

WA6SFK

TOM MACHULDA

8976 EL PRESIDENTE, F. V. 842-5650

WN6S JL

JAY HALL

2131 MALLUL, ANAHEIM 636-2968

WN6WFV

TINA Mc CARTHY

475 S. DUMAS, ORANGE 538-6072

WN6VNE

TOM MADDIGAN

2405 FAIRMONT, SANTA ANA 542-6580

OCARC SUMMER HAPPENING !!!!!

DON'T MISS THE CLUB PICNIC TO TAKE PLACE ON SUNDAY, AUGUST 26 AT THE NEWPORT DUNES AQUATIC PARK. There will be plenty of beach, boats, and bikinis for everyone. Bring your friends, wife, and kids for this great outing. Don't forget your swimming trunks, frisbee, football, or portable rig.

* SUNDAY AUGUST 26

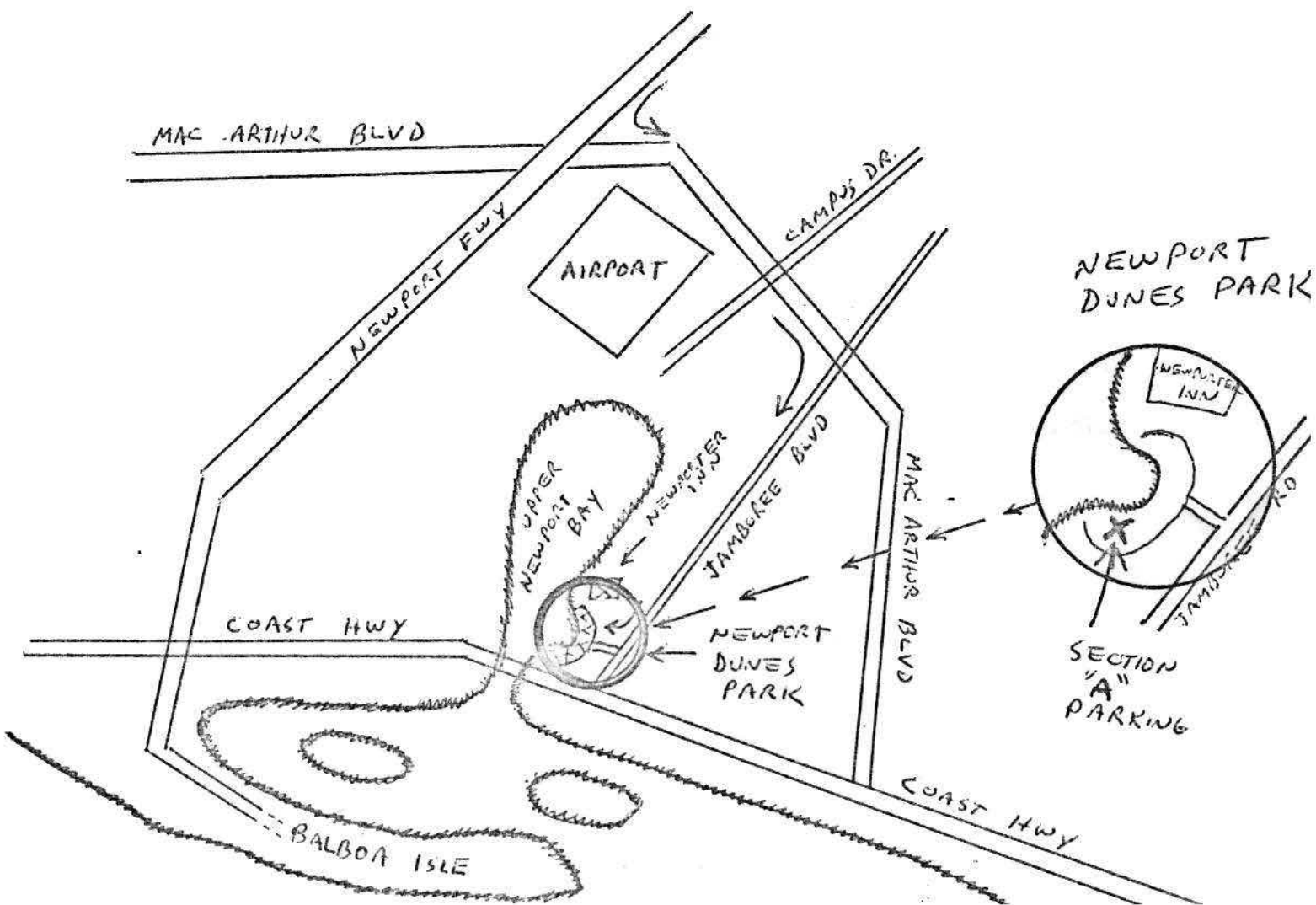
*STARTS AT 12 NOON

* BRING YOUR OWN FOOD & DRINKS
(WE WILL SUPPLY THE CHARCOAL)

*BEER MUST BE IN CUPS

Monitor the Catalina Repeater (WR6AAA) for check-in or directions.

EVERYONE IS INVITED-----DON'T MISS IT---SEE YOU AT THE PICNIC



AUGUST MEETING- HENRY RADIO LINEAR AMPLIFIERS

The next meeting will take place on Friday, August 17 at the Mercury Savings and Loan in Tustin. There will be a fine program this month by ZEKE LENN - W6EOO of HENRY RADIO on the secrets of GREAT linear amplifiers. Zeke will discuss the 2K series of linear amplifiers by HENRY RADIO including the ULTRA models. Areas to be discussed include the choice of tubes, how to come up with a superior design, and how to build that all important power supply. It will be a great program---so don't miss it !!!!!

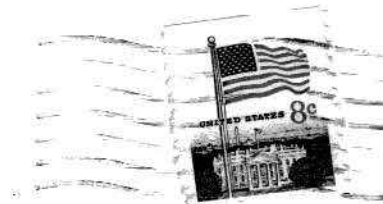
SEE YOU AT THE MEETING !!!!!!!!!!!!!!!

SNEAK PREVIEW

SEPTEMBER MEETING: DAVE WA6TWF WILL GIVE A SLIDE SHOW ON THE WR6AAA CATALINA REPEATER!!!!

OCTOBER MEETING: CLUB AUCTION !!!!!

ORANGE COUNTY AMATEUR RADIO CLUB,
P. O. BOX 95
ORANGE, CALIF. 92668



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FIRST CLASS !!!!!

DATED MATERIAL !!!!!