



ORANGE COUNTY AMATEUR RADIO CLUB

P. O. Box 95, Orange, Ca 92669

Volume XII, No. 7

September 1971

- MEETING -

September 17, 1971 - 7:30 P.M.

1971 Club Officers

Pres:	Bill Hall - WB6CQR	839-9393
V. Pres:	Ken Konechy - W6HHC	541-6249
Sec:	Ron Cade - WA6FIT	897-8059
Tres:	Bill Robinson - WB6WOO	542-7958
Activity:	Bob Eckweiler - WB6QNU	639-5074
T. V. I.:	Roger Coult - WA6AAL	541-8348
Mem:	Don Gould - W6EQY	821-8518
Pub. Rel.:	Jack Shaw - WA6YWN	633-8742
M/A/L:	Jerry Verduft - W6MNY	524-5827
	Jack Hollander - WB6UDC	544-5369
R. F.	Richard Nelson - WA60BM	557-6614
Editor:		

OCARC "RF" Sep '71

(1)

August Meeting Minutes

The August meeting of the Orange County Amateur Radio Club was occupied with the annual Auction and no formal minutes were taken.

Bits and Pieces

AUCTION The annual auction of the club held last month was moderately successful in terms of the number of items brought for sale. The attendees were able to have a moderate selection of equipment and parts, and the club did make some money for its treasury. Considering this, it must be considered a success.

Beam for Sale A three element, 15 M. beam is for sale if anybody is in need of one. It is the same Yagi which was used for the club 15 meter operation during the ARRL Convention, which if you attended will know of its fame in performance. For details see Ron Cade, WA6FIT or call at 897-8059

ERROR I am beginning to think that there are no antenna men in the OCARC. An article on the derivation of the half wave formula in the July issue of "RF" had a typing error. The correct formula for free space is:

$$\lambda/2 = \frac{491.785}{f \text{ (MHz)}}$$

THANKS The "RF" editor would like to acknowledge receipt of and thank the editors of the following publications received to date.

"Chewed Rag" July and August.

"Didi-dumdum-didi" May thru September.

"Mt. Diablo ARC" sheet covering their June meeting.

NARS meeting Bulletins June thru August.

"Skip" September.

"Squelch" July and August.

Thanks fellas for sending us a copy of your activities.

If you would like a copy of "RF" sent to your club contact Don Gould the club membership officer.

CONVENTION NOTES

The Southwestern Division ARRL Convention was held at the Disney Land Hotel on September 4 and 5 - the Labor Day week end. Even though the pre-registration was below what was expected a large number of hams attended the convention at the last minute. I guess this is typical of modern living and a too rapidly changing way of life. All in all it was a good convention and everybody thought it well conducted.

The activities of the two day affair were contests, social functions, technical sessions, exhibits, and the operation of a special station assigned the call WD6WD in honor of Walt Disney.

Five contests were held on Saturday. A CW receiving contest with participants go to 70 WPM. A mobile efficiency antenna contest with one entry having a nearly perfectly matched antenna. The CW sending contest was novel in that the key was connected so that the tone was turned off when the key was depressed. The 420 MHz T hunt lasted about 20 minutes with four inners catching the woman with the transmitter in her travel bag. The home brew contest was won by a digital counter. The QSL contest first place winner won hands down from the reports that I have received. It was a real outstanding card.

The technical programs were excellent. Unfortunately the session on Solid State VHF circuit Concepts was cancelled and replaced by Ham radio and the Law. Nine other sessions filled all of Saturday and there was a subject of interest to everybody. The rooms were large and the demonstration aids were excellent. One problem experienced by many was the lack of a time sequence program printed to enable the participants to decide which activity would get their attention that hour. One had to read through all activity programs to find out what was happening at a given hour. Maybe next time.

The Exhibits provided by the many manufacturers of amateur equipment and operating aids were excellent with demonstrations and personel providing all the technical information that a ham could want.

CONVENTION NOTES CONTINUED

The ARRL booth was well manned and received a compliment from the ARRL delegates. The League signed nine new members on the spot, gave many more applications to potential members.

The ARRL open Forum attracted a full house and lasted for several hours. The most talked about subject was the proposed band changes. The second hot subject was third party traffic and the FCC action concerning this most important aspect of Amateur Radio. See QST for October for a full up date on this subject.

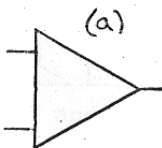
The Novice forum was very well attended with a group from all levels of license classes present. The questions asked were ones that every ham would like to ask. Lew McCoy was an entertaining MC in this function.

The final activity of course was the banquet which featured General Curtis LeMay and Senator Barry Goldwater as speakers. The only sour note was the last minute attendees requiring a change in serving procedure which required self serve and standing in line. The food was OK, and the speeches stirred the audience to standing ovations on several occasions.

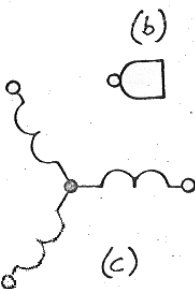
All in all the convention offered something for every Ham and those who did not attend missed a very important aspect of Amateur Radio. That is the rubbing of elbows with the fellow members of our fraternity in an unusual activity socializing and technically improving ones self.

Ric

Do you know these symbols?



(a)



(b)

(c)

BITS AND PIECES CON'D.

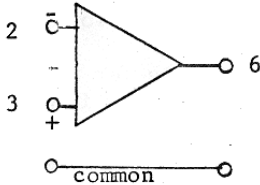
A WINNER Contragulations Kay on your winning a Bird watt meter during the Banquet prize draw. Maybe you can tell us all at the meeting how it works.

RTTY ? If you are interested in buying one or two complete model 19 machines call Mr. Olson at 642-5150 and he will give you the complete story.

HELP Ric, WA6OBM is interested in getting a teletype machine on the air. Can anyone offer some technical advice to get him started? Call 557-6614.

SMITH CHART One of the technical sessions covered antenna measurements using a network analyzer which presented the impedance in Smith Chart format. Is there anybody in the club knowledgeable enough to give a program on the use of the Smith Chart and the Smith Calculator?

OPERATIONAL AMPLIFIERS AT A GLANCE



- | | |
|-------|---|
| Term. | description |
| 2- | Inverting input, summing point, negative input. |
| 3- | Noninverting input, positive input. |
| 6- | Output, may be zero, positive, or negative. |

Referenced to Common		
- input (2)	+ input (3)	output (6)
+	0	-
-	0	+
0	+	+
0	-	-
0	0	0*

*. Not exactly zero due to input "off-set" error.

This little chart may prove helpful to the car buffs among the OCARC membership. Since we all drive an automobile and the U.S. will eventually go metric, but not for some time, conversions of this type could be of use. Now you can figure how fast you are traveling in Km/hr when you bring your car on your next trip to Europe. Hi.

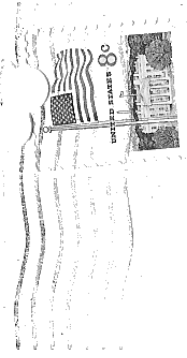
AUTOMOTIVE CONVERSION CHART			
PARAMETER	GIVEN	MULTIPLY BY	TO OBTAIN
VEHICLE FUEL ECONOMY	MILES/GALLON (US)	0.425144	KILOMETERS/LITER
	KILOMETERS/LITER	2.352146	MILES/GALLONS (US)
	MILES/GALLON (UK)	0.354005	KILOMETERS/LITER
	KILOMETERS/LITER	2.824815	MILES/GALLON (UK)
	SHORT TON-MILES/GAL (US)	0.365684	METRIC TON-KM/LITER
	METRIC TON-KM/LITER	2.592797	SHORT TON-MILE/GAL (US)
ENGINE FUEL ECONOMY	LONG TON-MILES/GAL (UK)	0.359686	METRIC TON-KW/LITER
	METRIC TON-KM/LITER	2.780202	LONG TON-MILE/GAL (UK)
	POUNDS/HP-HOUR	447.387258	GRAMS/PS-HOUR
	GRAMS/PS-HOUR	0.0022352	POUNDS/HP-HOUR
SPECIFIC POWER	HP/CU INCH	61.870123	PS/LITER
	PS/LITER	0.016163	HP/CU INCH
WORK	SHORT TON-MILE	1.450972	METRIC TON-KM
	METRIC TON-KM	0.684945	SHORT TON-MILE
	LONG TON-MILE	1.631519	METRIC TON-KM
	METRIC TON-KM	0.611558	LONG TON-MILE
VELOCITY	MILES/HOUR	1.609344	KILOMETERS/HOUR
	KILOMETERS/HOUR	0.621371	MILES/HOUR

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First Class
Dated Material



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