



CROSSTALK

News Bulletin of the TRW Amateur Radio Club

Member, American Radio Relay League

August 1984

**** FD'71 ** FD'73 ** FD'75 ** FD'76 ** WAS ** WAC ****

Garrett/W6TRW Repeater: 145.32/- .600(2A-PL) -- UHF: 442.000in/447.000out

CALENDAR FOR AUGUST AND SEPTEMBER

Aug 25, 8-11am	Swapmeet
Aug 28, noon	Club Meeting, R4/1041. Speaker will be Emmett Ingram. Details inside.
Sep 11, after work	Executive Board Meeting -- All members are welcome!
Sep 18, noon	Last Club Picnic for '84 - El Nido Park - Food and refreshments are free
Sep 25, noon	Club Meeting, R4/1041
Sep 29, 8-11am	Swapmeet

AMATEUR RADIO TO LOSE 220-225MHZ BAND

There are presently before the FCC two Proposed Rule Makings (PRM) to eliminate the Amateur Radio 220-225 MHz band. PRM #4829 from the Land Mobile Communications Council seeks to re-allocate the present 220-225 MHz Amateur band to commercial use on a non-shared basis. Sideband Technology Inc. through PRM #4831 is asking the FCC to set aside 216-222 MHz for Amplitude Compandored Sideband Channelization (ASCB).

The problem is not just the loss of an Amateur Radio VHF band, but the setting of a precedent. If we lose this band what is to stop commercial interests to go after the other Amateur VHF and UHF bands? Two Meters is already overflowing and 70 cm is mostly closed so the only area for Amateurs to expand to is the 220MHz band.

If you want to do something about this you must act NOW!!! THE FCC WILL MAKE ITS DECISION ON AUGUST 29, 1984. DON'T EVEN BOTHER FINISHING THE REST OF THE CROSSTALK! Sit down and write a letter **right now** while you are thinking about it!!! Don't bother typing it if your handwriting is legible.

The following must be in your letter:

- 1) You must name the PRM numbers.
PRM #4829 submitted by the Land Mobile Communications Council
PRM #4831 submitted by Sideband Technology Incorporated
- 2) You should identify yourself, give your callsign and indicate your club affiliations. If you use the 220 MHz band especially for public service indicate so.
- 3) Demand Immediate action from your Congress person as the FCC will make their decision as of August 29, 1984
This is only a few days away!!!!!!!

Here is who to write to:

Honorable Pete Wilson
720 Hart Office Bldg.
Washington, D.C. 20510

Honorable Alan Cranston
112 Hart Office Bldg.
Washington, D.C. 20510

Honorable Barry Goldwater, K7UGA
363 Russell Senate Office Bldg.
Washington, D.C. 20510



NEW MEMBERS -- OLD MEMBERS

Welcome to the Club new members;
Bob Wartburg, KOLLO, Bob works out at NAFB so don't expect him on W6TRW/R too often.
Gary Vennie, KA6IML, who is re-upping from last year.
Audrey and Harry (KA6YNK) Irwin. When are you getting your ticket Audrey?
Leolf M. Reese, WA6WET, an Associate member with and Advanced license.

July Swapmeet Notes Jim McWilliams, W6RTG

Charlie Clarke, W6NWP, won the July Swapmeet raffle for \$10. The \$10 prize must be used to help purchase the item of your choice a TRW Radio Amateur Swapmeet. The winner, in order to receive the \$10 from the Swapmeet Manager, must write a paragraph for the Crosstalk which describes what he purchased and any interesting aspects to that purchase. This write-up is then exchanged with the Swapmeet Manager for the \$10. Gary Komatsu won the \$10 for June but I have not received his purchase write-up. Guess he is still looking for a real good bargain - not to hurry Gary. For those not aware, these raffle tickets are obtained FREE at our Swapmeet by looking up the Swapmeet Manager and wearing your TRW/ARC Club hat and/or your club ID badge. You will receive one ticket for the hat and one ticket for your club badge. Look me up!

Traffic control by Don Resor Jr, N6KAW, assisted by Jim Wike, W6GPE, and Jim Cox, K7JAJ, was handled very well; many thanks to this able team.

The July Swapmeet seller count was about 80% of parking lot capacity by 9am moving up from about 40% at 7am. This large crowd, as usual, seemed to be enjoying this outdoor gathering of radio amateurs. See you there August 25th!

HF Amateur Phone Bands to Expand

Effective 0001 UTC, September 1, 1984, these will be the new HF Radiotelephone Subbands:
3750 to 3775 KHz Extra Class;
3775 to 3850 KHz Advanced and Extra Class;
3850 to 4000 KHz Gen., Adv. and Extra Class;
21200 to 21225 KHz Extra Class;
21255 to 21300 KHz Advanced and Extra Class;
21300 to 21450 KHz Gen., Adv. and Extra
28300 to 29700 KHz Gen., Adv. and Extra

Remember!!! These new phone privileges are not available until 0001 UTC, Sept 1, 1984.

Electrical Engineer's Commandments

1. Beware the lightning that lurketh in an undischarged capacitor lest it cause thee t bounce upon thy buttocks in a most ungentle manly like manner.
2. Cause thou the switch that supplieth large quantities of juice to be opened and thusly tagged that thy days may be long in this earthly vale of tears.
3. Prove to thyself that all circuits that radiateth and upon which thou work are grounded and thusly tagged lest they lift thee to radio frequency potential and cause thee to make like a glow lamp.
4. Tarry thou not amongst those fools whomsoever shall engage in intentional shocks for they are surely non-believers and are not long for this world.
5. Take care thou useth the proper method when thou taketh measure of a high voltage circuit so that thou dost not incinerate both thee and thy Simpson; for verily, thou hast no plant account number and can easily be replaced. The Simpson doth have one and as a consequence bringth much woe unto thee.
6. Be sure thou tampereth not with interlock safety devices for this incurreth the wrath of thy fellow workers and bringeth forth the mighty fury of thou supervisor upon thy he: and shoulders.
7. Work thee not on energized equipment for if thou doest thy fellow workers will surely be buying beers for thy widow and consoling her in certain ways not generally accepted by thee.
8. Verily, verily I say unto thee never service equipment alone for electrical cooking is often times a slothful process and thou might sizzle in thy own fat upon a hot circuit for hours on end before thy Maker sees fit to end thy misery and take thee into His fold.
9. Trifle not with radioactive tubes and substances lest thou commence to glow in the dark like a lightning bug and thy wife be frustrated and have no further use for thee except for thy wages.
10. Commith thou to memory all the words of the prophets which are here written down on this tablet and which giveth out with the straight dope and consoleth thee when thou has suffered a ream job by thy ever watchful supervisor.

Author unknown.

Obtained from W5BLX.

Thanks, Central Oklahoma Radio Amateurs Magazine, Collector and Emitter.

A person is not old until regrets take the place of dreams. John Barrymore

General Meeting 31 July 1984 John Keller, N6JLS

Thirty four members attended. The meeting was called to order by President Walt Pearson. The minutes of the 26 June General Meeting were accepted as printed in the Crosstalk. Secretary John Keller indicated that he was one of the operators of the UCLA Olympic Village Amateur Radio Station, NG840 and that he would be able to make QSO's with the Club members through the W6TRW/R Repeater. Emergency Coordinator Dave Gilmore reported that he is requesting all present Emergency Communications Group members and anyone interested in joining to contact him for a sign up form as soon as possible. Monthly noon check-ins are in the works. Vice-President Chris Wachs introduced the speakers, Mike Corn and Jack Bankson (WA6JXG) from the Southern California Edison Company. Mike did most of the talking and very nicely described the problem of and the tracking down of line generated radio and TV interference. An excellent slide presentation went along with the talk as well as a show and tell of some of the most interesting noise sources that Mike has come across in his job as finder of the problem. Mike also pointed out that new high voltage hardware is being made with fewer moving parts and will cause less interference in the future. Also pointed out was that most interference sources are from households and not the power poles outside. The most notorious is the door bell transformer that has a high temperature thermal switch that will not close properly and then arcs. There were handouts on interference and a recommended book, "Interference Handbook", by William R. Nelson, WA6FQG. The presentation ended with a vigorous question and answer session. Thanks much to Mike and Jack for and EXCELLENT presentation. The door prizes included a battery charger, screwdriver set, two 150 piece capacitor kits, digital alarm clock, digital stopwatch, mini VOM, and a portable soldering iron

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The dime isn't worthless in spite of inflation. In an emergency it makes a good screwdriver.

In Praise of CW

Jan Scheuerman, WB2JCE, writes in the March-April issue of the "New Jersey Traffic Bulletin":

"How do you do you communicate when your mouth and tongue are grossly swollen, your jaw is wired closed, and you are too weak to write on a pad? Why, you use CW, of course." Doctors and nurses were more than mildly interested when her husband, Hugo WB2IGD, checked into the American Oncologic Hospital carrying a code practice oscillator. He not only conversed with Jan by code, but she was able to translate his needs and requests to hospital personnel caring for him after extensive facial surgery and complete reconstruction of his lower jaw.

This was a first for these people who have dealt daily with hundreds of patients unable to speak, and they agreed that this means of communication played an important role in his recuperation. He tapped out on the oscillator, "U cant imagine the frustration of one day being able to communicate normally es the next day complete silence." Had the FCC not required code as part of the licensing exam, in all probability this means of communication would have been closed to Hugo and Jan. Hugo says he's never considered CW his favorite mode of operation on the air, but is now convinced that it should definately be a required part of the test. Until this major crisis in his life, he had been an advocate of a no code license.

Until he regains his ability to speak, Hugo expects to use the oscillator daily. He has been discharged from the hospital and is currently in a rehab center, no doubt teaching the therapists the code.

Jan concludes, "It's been rough, to say the least, but THANK GOD for that code practice oscillator!"

How to be a Lid on 2 Meters

Always start talking the very instant you key up. Keeps the gang guessing about that first word or the prefix of your call. When told you have a very noisy signal into the repeater, continue making long, unintelligible transmissions. Keep their curiosity up.

Always kerchunk at least six times before calling on any repeater. Make sure the darn thing is working today.

Don't wait for a squelch tail to start transmitting. When the other guy pauses, its OK to talk. Saves time too!

Tidbits from the Jolly Little S...!

Well, there were two other members of the TRW/ARC that got in to operate the Olympic Amateur Station, NG840, and they were Allan Key, WA6FLL, and Doug Freeman, W6NHX. We had a lot of fun and now the work begins! Now we get to help out with the QSL work!

I must not leave out another TRW/ARC member that helped out with the Olympics and that was Deborah Woida, KB6ESF, who helped with the Torch Run!

I promise to run this item in every Crosstalk until the situation is dealt with. Two of the Quad antennas for Field Day had a high SWR. They still worked OK but think what might have happened if they were well matched. So until they are fixed, I will remind all that the work needs to be done before the next Field Day. Volunteers may contact Gary Komatsu for info. (Ph # on back) We have another member that has gotten their words of wisdom into print. Ed Thornley, W6RXD, has a technical brief entitled "High Frequency Current Capability of Multilayer Ceramic Capacitors." Ed presented his paper to the Capacitor and Resistor Technology Symposium in Orlando, Fla. If you would like a copy of the paper, contact Ed at X50743.

Not yet confirmed, but presently claimed, is the first DXCC via Oscar 10. The feat is claimed by Peter, ON7HP.

Following several days of preparation, the UO-11 gravity gradient boom was deployed under onboard computer control at 1035 UTC, July 24, on orbit 2113.

To commemorate the visit to Canada by the Pope, Canadian Amateurs may use the following prefixes between Sept. 9 and 20, 1984.

Newfoundland	XK1
Labrador	XK2
Maritimes	XJ1
Quebec	XJ2
Ontario	XJ3
Manitoba	XJ4
Saskatchewan	XJ5
Alberta	XJ6
British Columbia	XJ7
No. West Terr.	XJ8
Yukon	CJ1

A booklet containing the FCC Amateur Radio Operator Study Guide and all 1600 actual questions for all ham classes (Novice through Extra) is now available for \$2.50 from:

THE W5YI REPORT
PO Box 10101
Dallas, TX 75207

For those of you with computers and modems and are into Bulletin Boards (or BBS's) there are two in LA you should try. One is the Public Message System (PMS) (213)331-3574 and the Palos Verdes System (213)541-250 which has a special interest in ham radio.

Field Day Report

For those of you who couldn't wait for the gory details here is what we reported to the ARRL as our results for Field Day.

CW QSO's

40 M	619
20 M	325
15 M	172
Total	1116 X 2 = 2232 QSO Points

Phone QSO's

80 M	155
40 M	285
20 M	1055
15 M	509
2 M	192
Other	45
Total	2241 X 1 = 2241 QSO Points

Total QSO Points 2232 + 2241 = 4473

4473 times power multiplier (X2) = 8946

I'M A NEW MEMBER!

I see you at the meetings,
But you never say hello.
You're busy all the time you're there
With those you already know.
I sit amongst the people
And yet I'm a lonesome one.
The new fish are as strange as I.
You old members pass me by.
But, darn it, you guys asked us in
And you talk of fellowship.
You could just step across the room
But you've never made the trip.
Why can't you nod and say hello,
Or stop and shake my hand,
Then go and sit among your friends?
Now, that I'd understand.
I'll be at your next meeting,
Perhaps a nicer night to spend.
Think you could introduce yourself?
I want to be a friend.

Anonymous

Thanks, West Coast ARC

Monday is a hard way to spend one-seventh of your life.

Executive Board Meeting 14 August 1984
John Keller, N6JLS

Attending were Bill Dews, Connie Gilmore, Dave Gilmore, Paul Herbert, Bob Hume, Dale Jensen, John Keller, Gary Komatsu, Jim McWilliams, Gertie Pearson, Walt Pearson, Don Resor Jr. and Chris Wachs. President Walt Pearson called the meeting to order and reported that he had received some bad news and some good news from Phyllis Gilmore, our Editor on temporary sabbatical. Phyllis has accepted a position at Hughes and will not return as Editor. The good news is that she got a nice raise in the process. TRW's loss will be Hughes' gain. Good luck to you Phyllis! Membership Chairman Bill Dews reported that we now have 150 members. Swapmeet Chairman Jim McWilliams stated that a special effort will be put forth at the August Swapmeet to deal with the problem of dealers at the Swapmeet. A special task force has been arranged and will comb the seller's lot to identify and deal with suspected dealers. Jim also was very appreciative of all of the efforts put forth by the Swapmeet Supervisors that donate their time one Saturday a year. Walt requested that either Jim or Don get hold of the signs from Jim Hill and get them on display at the Swapmeet. Treasurer Paul Herbert stated that the Treasury is looking very good as Swapmeet income is about 50% over budget predictions. However, some of this is being eaten up by the additional costs of printing the Crosstalk. Also the door prizes run at a small but constant net loss. Activities Chairman Gary Komatsu stated that he has been able to find a Chinese restaurant that will serve an 11 course gourmet meal for a reasonable price. Chris Wachs presented cost information for Pepe's and the Shangri-La. A discussion was held and pros and cons weighed and it was decided that the Annual Banquet this year will be held at the Shangri-La Restaurant. Trustee Bob Hume said that station antenna work was set aside for the Olympics. Further antenna work must be done on the roof and the tower should be modified before further assembly is done on the antenna. Bob estimated that about 2 hours work remained on the antenna. Gary stated that we have obtained a 21dB gain preamp for the 2 Meter repeater. Vice-President Chris Wachs stated that the speaker for the August General Meeting (Tues, Aug 28, Noon, R4/1041) will be Emmett Ingram who will talk about Amateur Radio activities concerning Topsail84 and other Olympic activities. Chris also

stated that the AMSAT Annual Dinner will be on Saturday Nov 10. If you would like information on the dinner, contact Chris; the number is on the back page of Crosstalk. Emergency Communications Coordinator Dave Gilmore has met with Barbara Murrin, the TRW Coordinator for Disasters and Emergencies. Dave stated the meeting was more investigative than defining with both himself and Ms. Murrin attempting to determine the need and usefulness of the Emergency Communications Group. Unfortunately Ms. Murrin's radio experience is limited to CB. Dave again requested that all present and any TRW/ARC members that wish to join for the first time, contact Dave and re-join so that we may get our records up to date with work locations. Dave's phone and mail station are on the back cover. Paul Herbert stated that about one month has been lost as someone in the Graphics Department forgot about our request for postcard size negatives for QSL cards. Secretary John Keller accepted the EBM Meeting minutes as printed in the Crosstalk. John also presented information on the attempt to take over the Amateur 220MHz band by commercial interests. Please, if you haven't done so already, sit down and write your Congerss person NOW! See the front page of Crosstalk for names and addresses.

An Ounce of Prevention....

Bought any new equipment lately? Did you record the serial number(s)? Better yet, did you engrave your California Driver's License number on the equipment in a conspicuous spot. The driver's license number on a suspected stolen item is the easiest way for the Police to trace an item and return it to the owner. It's always too easy to say that you meant to do it one day soon and it doesn't do anygood telling it to the investigating officer after it has been taken. You would be surprised how few people have taken the time to just write down the serial numbers on their expensive equipment that that be easily carried off. Well, what do you say - it may take all of one half hour to do it all. And it may result in stolen equipment being returned.

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Success isn't how far you got, but the distance you traveled from where you started.