

the *Circle City* **Communicator**

August 1992

Volume VIII

Issue # 8

ARRL Affiliated Club No 2108

CLUB OFFICERS

President...Mark Adams...N6MWH...734-6101
Vice President...Luis Diaz...KP4DX...736-0789
P / S Coordinator...John Miller...NF6Y...735-0284

Secretary...Mark Costa...KB6GNZ...736-0267
Treasurer...Larry VanNimwegan...KB6GQE..737-0959
Editor...Bob Leo...KJ6B...734-1205

Message From The President

QST, QST, QST. . .

THIS MESSAGE IS DIRECTED TO ALL MEMBERS OF THE CORONA-NORCO AMATEUR RADIO CLUB, AND ALL OTHER INTERESTED PERSONS.

What a Field Day! !!! Not only did we have an outstanding turnout but, we were rockin' an a rollin' too.

I was excited. Sitting there at the 15 meter station on Sunday morning and suddenly the motor homes and trailers started rocking and the masts and the antennas were on started swaying. It was exciting. After a few seconds though all the fun was over and I went back to scouring the airwaves.

Of course this was the 8:00 o'clock earthquake. The earthquake at 5:00 o'clock rocked me out of bed. I immediately tuned into the repeater on 145.460. Unfortunately the repeater was not in working order so I tuned into the club frequency. I cannot remember a time when I have heard more hams on that early. What a check-in! The city of Corona was well covered.

I am anxiously awaiting the results of the contest in QST magazine to see how the club did. A very special Thank You to all those who participated, whether it was a few minutes or a few hours, you have made the event enjoyable for everyone.

If you missed the July club meeting you missed an excellent program. Terry Frost, an

amateur seismologist gave us an extensive overview of earthquakes. And it could not have come at a more appropriate time what with all the recent shakers.

If you enjoyed that program you will really enjoy the August speaker. Art Goddard will speak on the Search for Extra-terrestrial intelligence. He will also be speaking at the ARRL convention this year on the same topic. So, we have a chance to get a sneak preview of his presentation. That is August 3rd.

Coming up in September is the Barney Oldfield Special Event Station. As in years past we will have a station set up at the park on east Grand Blvd. just east of south Main St. A good time for all, so come and operate the station.

See you at the next meeting.

Don't forget the club net on Mondays! ! !

73's

Mark, N6MWH

Our Next Meeting Will Be. . .

Mark your calender for August 3rd at 7:30 pm. Art Goddard, W6XD, will discuss The Search for Extraterrestrial Intelligence (SETI). He is an Advanced Systems Manager for Rockwell International in Anaheim.

Radio amateurs may well be the first to detect signals from other civilizations. This program will explore the basic technical and philosophical issues and will discuss how amateurs can (and are) participating in SETI. Be there or be square!

CNARC Club Lunch At The Grinder

Last month seven, this month eight! Who knows where it will end? Ace-KC6VUY, Rudy-KC6GTI, Fred-W6TKV, John-NF6Y, Mike-N6VMB, Norm-KC6YZU, Mike-KC6TWR, and Dick-N6XUC enjoyed the food and the stories about all those who didn't make it. Remember to mark the weekly luncheon on your calendar for 11:30 am. Talk in is on 146.535 MHz.

New Equipment For The EOC

Mark, KB6GNZ, the club's secretary and Assistant ARRL Director for this division, recently coordinated the purchase of some new amateur gear for the City of Corona EOC located within the Corona Police Department.

The Corona Rotary Club funded the purchase of a new Kenwood dual band 2 mtr/440 MHz mobile transceiver. A 20 amp. Astron power supply, coaxial cable, 2 meter J-pole antenna and a 440 Ringo Ranger II was also included in the donation.

The intent of the purchase was to better equip the city EOC for a time of disaster or emergency. Monthly hospital nets currently take place from the P.D. facility as well as occasional drills and public service activities.

For those of you who have operated from the Police Department, you are aware of the uncomfortable conditions of the transmitter room operating position that we have experienced for the last several years. Upon delivery of this equipment to Chief Cleghorn, a favor was asked to definitely locate all amateur equipment into the EOC. He replied that he would be happy to do so, with the relocation occurring by the end of the month.

Converting Local Time To UTC

Time Zone:	Add:	Daylight Time:	
AST (Atlantic)	+4	ADT	+3
EST	+5	EDT	+4
CST	+6	CDT	+5
MST	+7	MDT	+6
PST	+8	PDT	+7
HST (Hawaiian)	+10	HDT	+9

Where To Look For The Action. . .

Try some of following frequencies in your scanner to hear what's happening in your neighborhood:

Scanner Frequency Listings

*Public Service

1. CPD.....	154.755	Primary Control
2. CPD.....	154.920	CPD #2/C.L.E.M.A.R.S.
3. CPD.....	155.760	CPD #4
4. CFD/NFD.....	154.235	Primary/Mutual Aide
5. CFD/NFD.....	154.295	CFD/NFD #2
6. CDF.....	151.385	Primary West Net #3
7. CDF.....	151.175	Secondary/Desert Net #4
8. CDF.....	151.145	Support Net #5
9. CDF.....	151.445	Support Net #6
10. CDF.....	151.415	Support Net #7
11. CDF.....	151.400	Tactical Net #11
12. CDF.....	151.310	Air Support (yellow)
13. RSO.....	158.850	Primary #1/Riverside-Norco Areas
14. RSO.....	158.970	Channel #3/Unit to Unit
15. RSO.....	158.820	Channel #4/Banning-Elsinore Areas
16. RSO.....	158.925	Channel #6/Mutual Aid & Information
17. RSO.....	159.450	Channel #8/Moreno Valley
18. CHP.....	42.600	SBDO-Ontario-Lake Arrowhead Areas
19. CHP.....	42.540	Riverside Area
20. Goodhew.....	155.295	Company Dispatch
21. Goodhew.....	155.265	Ambulance to Hospital Coordination
22. RFD.....	460.575	Primary Control
23. RFD.....	460.600	On Scene
24. RPD.....	460.175	Primary Control
25. RPD.....	460.475	Channel #4/Unit to Unit
26. RPD.....	460.325	Primary/Split City
27. Life Flight.....	155.400	Helicopter/Inflight
28. Life Flight.....	155.340	Helicopter/Hospital Inflight Coordination
29. CNARC.....	146.535	Corona/Norco R.A.C.E.S.
30. Gallaria at Tyler.....	464.775	Security/Emergency Services

*Aviation

31. Ont.....	124.250	Automated Information Service
32. Ont.....	120.600	Tower
33. Ont.....	119.650	Approach East/North
34. Ont.....	125.500	Approach Northwest
35. Lax.....	120.950	Tower
36. Lax.....	124.900	Approach East/South
37. Corona.....	122.800	Weather
38. Riverside.....	128.800	Weather
39. March AFB.....	127.450	Tower
40. Norton AFB.....	119.450	Tower

Cellular Telephone base frequencies: 870.00 - 890.00 MHz
 Cordless Telephone base frequencies: 46.50 - 47.00 MHz

Listings courtesy of Mark W. Costa, KB6GNZ
 For info, updates and corrections call 736-0267

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THIS MESSAGE IS DIRECTED TO ALL MEMBERS OF THE CORONA-NORCO AMATEUR RADIO CLUB, AND ALL OTHER INTERESTED PERSONS.

I want to get right to the meat of the message here. At the last meeting I proposed some by-law changes to those present (*you will find them printed later in this newsletter*). These changes will be voted on at the next meeting in September. I believe that these changes will greatly enhance the election process by allowing a three month transition period from the outgoing officers to the incoming officers. This will eliminate the one night transition that has caused so much confusion in the past. Trying to transfer all the club documents and duties, while running the elections, while trying to cover any other club business is really a tough job. We can save the incoming officers a lot of trouble by passing these changes.

Of course this means that the elections will be at the October meeting and the nomination committee will be looking for candidates for office very soon. In other words if you are thinking about running for office, the time for thinking is past and the time for decision making is upon us. Please let the nominating committee know your intentions. Remember, IF YOU DON'T RUN FOR OFFICE, OR DON'T VOTE IN OCTOBER, DON'T

COMPLAIN about how the club is run. I have to be strong on this because we need to keep our club running smoothly and moving forward.

The Saturday immediately following Labor Day is the Barney Oldfield Special Event with our station to be located at Joy Park on East Grand Blvd. about one-quarter mile east of south Main St. We have commemorative QSL cards for all contacts made and those working the station. Talk in will be 146.535 MHz. Hours will be forthcoming.

DON'T FORGET THE MEETING IS ON SEPTEMBER 14TH, ONE WEEK AFTER LABOR DAY.

Don't forget about the club net on Mondays!

73's
Mark, N6MWH

September Meeting - *Special*

Our September 14 meeting is being moved to the **Corona Police Department** located at the Civic Center on 6th Street.

CNARC members will have the privilege of an exclusive tour conducted by Lt. Sam Spiegel of the dispatch facility, the city's Emergency Operating Center (EOC), and jail facility.

The tour will begin promptly at 7:30 pm so club members should plan to there no later than 7:15 pm.

Any club business will hopefully be conducted prior to the tour so don't be late as this has the makings of being a busy night.

PROPOSED BY-LAWS CHANGE

OFFICERS: Article II

Section 1 - The officers of this club shall be: President, Vice President, Secretary, Treasurer, Public Service Coordinator, and Editor of the Newsletter. The officers shall constitute the Board.

Section 2 - The officers shall be elected for a term of one year by ballot of the members present, providing there be a quorum. To be eligible to hold a club office, he/she must be a member in good standing and hold an Amateur Radio license of Technician class or higher.

Section 6 - The Public Service Coordinator is responsible for arranging and managing the communications for all public service events in which CNARC members (and other interested Radio Amateurs) participate.

ANNUAL MEETING

The annual meeting shall be held in the Month of October.

NOMINATIONS OF OFFICERS:

The board shall appoint a Nominating Committee at the August meeting. This committee shall consist of 3 full members who are not currently serving on the Board.

The Nominating Committee shall 1) Seek out full members whom they determine are qualified and are willing to stand for election, and 2) present the slate of nominees to the membership in the October newsletter and the October meeting. Additional nominations may be made from the floor at the annual meeting. Immediately following the close of nominations, the elections shall be held.

EXPO '92 IS HISTORY

Expo '92 was attended by some 3,000 hams. Much great equipment was given away - but not to us - and a great time was had by all. Rudy-KC6GTI, John-NF6Y, and Orv-K6LEF are the only known attendees from the CNARC. The two highlights of the convention in the view of NF6Y were the Banquet speaker (Dick Rutan, of Voyager fame) and the Tesla Coil Demonstration. Local Packet BBS Operator and former club member John Lind - KD7XG gave a presentation on Ham Radio and where it is going. The Voyager flight, around the world nonstop and non refueled was something to hear about. It took nine days, and we got most of the details of the living conditions. They mostly flew over water to avoid mountains and other obstacles. But they had to fly across central Africa and dodge thunder storms most of the way. When they were off the coast of California they almost spiraled into the water but got the engine started just in time. Dick Rutan is an excellent speaker and we were all spellbound.

The Tesla Coil shot lightning bolts into the air with utter abandon! We were warned to disconnect the battery and antenna on our handhelds to protect them from the electrical

discharges. As a finale, the lecturer sat in the middle of the coil, having bared his feet and sat in a small puddle of water to make better contact. The coil was energized- at something like 100 kilohertz and a bunch of volts and he lit a 40 watt bulb with this HF discharge through his body (actually across his body) and shot lightning bolts into the air on the other side of the bulb!

CNARC's No-Code License Class

We have finished the Novice/Tech class and are now in the planning stages for the first No-Code License class in the history of Corona. Enclosed with this issue of the Communicator is a flyer announcing the class. Please help us to publicize this event. Copies have been sent to the Libraries, Police, Fire, Senior Centers, Newspapers, etc. Perhaps you can use this flier in other organizations you belong to e.g. your church, civic club, newsletters, etc. Gerhard-WA6BHR, and Mike-KC6TWR, are working on the lesson plans to make the learning easy. We may need more instructors in specialized areas - any volunteers?

If you have any helpful hints or ideas that might be useful for this or future classes, please let us know. We'd appreciate them.

Status Of The HF Packet STA For Automatic Operation

Since 1985, a number of stations have been operating automatic, unattended packet message forwarding on HF using primarily the 40 thru 10m bands (including 30m and 17m) in a network known as SKIPNET. Automatic operation below 30 MHz is not currently authorized by the rules (as of 1987). These stations have been operating under a Special Temporary Authority (STA) from the FCC. The FCC uses STAs for a selected number of specific stations to experiment with new technologies or practices. This allows the "dust to settle" prior to a lengthy and expensive rule-making process.

In perhaps the longest running STA, the FCC has finally told the ARRL that it MUST have a proposal for rule-making before the current extension runs out in January 1993. One attempt was made by the ARRL at a rule-making proposal to the FCC in late 1989 (it became RM-7248). It would have set aside sub-bands for automatic digital operation on HF. Principally because of sub-band frequency selection, the proposal received much flak during FCC comment periods and was subsequently withdrawn by the ARRL. The STA has been extended since then without the FCC receiving any further proposals for rule-making.

The HF packet network is used as the principal means for linking VHF/UHF regional networks together into a truly global system. The U.S. is currently one of the only civilized countries in the world that has not adopted rules allowing some form of automatic packet operation on HF. It is based on a vision originated by Hank Oredson - WORLI, one of the original packet developers, that would allow any amateur in the world to drop a message into a digital network and have it delivered anywhere else in the world. This vision is now known as The Amateur Radio Global Village.

This past July, The ARRL Digital Committee drafted a set of recommendations to the ARRL Board of Directors which was adopted by the BoD at its July meeting. The recommendations precluded automatic operation, but allowed "semi-automatic"

operation provided the station initiating the contact was attended by a control operator. This was received with an uproar from the STA participants, who were not consulted prior to the Digital Committee or BoD. "Semi-automatic" is not seen as viable for packet switched networks which use a network protocol designed for automation. In addition the Digital Committee report was flawed in a number of areas, both technically and in its use of a poorly constructed and conducted poll (with 507 responses).


The uproar created enough heat from the packet community as a whole that continued building through the end of July and into August. Both ARRL National HQ (and Fried locally) were inundated with mail, telephone calls, faxes, and in Fried's case a tremendous volume of packet messages. Responding to the pressure, Fried held a semi-private meeting at 9:00 pm on Friday, August 21st. This meeting included three members of the ARRL Digital Committee, three members of the ARRL Headquarters Staff, and three HF Packet STA members from the Southwestern Division, Fried Heyn (the SWD Director) and an Asst. SWD Director.

The purpose of this meeting was to seek, if possible, a solution more acceptable to the packet community than the current ARRL proposal for rule-making (which was approved by the ARRL BoD in July). The meeting ran over three hours and hammered out an alternative that would allow automatic, unattended operation. This proposal was taken by Fried Heyn into an ARRL Executive Committee and BoD meeting early the next morning.

While the proposal itself was not "adopted" at that meeting, the "process" was. While I don't have a copy of the minutes of the meeting, the essence of it is for a conference of 5 of the HF packet STA members with the Digital Committee to hammer out an alternative in late September, sponsored by the ARRL. The three primary reasons for this BoD decision are: to allow HF Packet STA members representation on a national level; full Digital Committee to be present and will follow the IARU Region 2 Conference in early September (HF packet is on the IARU agenda); it will give the HF packet STA community at large more time to gather information.

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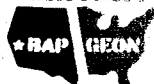
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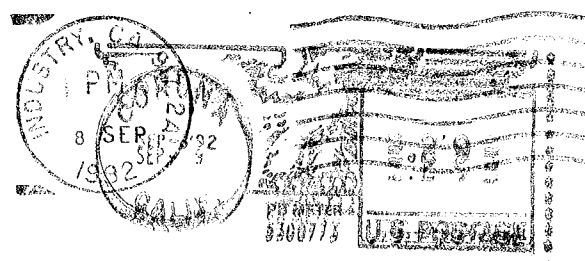
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