



The Circle City Communicator



April 1993

Volume IX

Issue No. 4

President's Soap Box

(Cont'd from previous column)

Hello again. The ticket I won at the March meeting paid off a \$5.00 winner. I invested it for the big one and it was another loser.

We will have the new Constitution and Bylaws as soon as possible. When they have been proof read and printed, they will be available at the regular club meetings.

There has been a suggestion made that it might be helpful to have an up to date call book at the meetings. I can supply a 1993 North American book and a 1992 International and Supplement. They will be available at the April meeting for anyone wishing to look up a call.

73. HAPPY HAMMING. See you at the meeting. It looks like we will have an interesting program.

Dick N6XUC

CNARC MEETING April Presentation

Topic: Antennas

Date/Time: April 5, 7:30 pm

After the close of the business portion of the meeting, Fred Roberts, W6TKV, will present a discussion on antennas. He hasn't revealed (Cont'd next column)

specifically which type of antenna he will be talking about but I know one of his favorites is the Yagi. I'm sure that Fred will be able to answer most of your general antenna questions also. So let's all see if we can conjure up a good antenna question to stump the expert. Some of our new members may be interested in some of the basic, get on the air fast type antennas such as the 2 meter J-pole, Inverted "V" dipoles, etc.

We are fast approaching the annual ARRL Field Day event (June 26-27) and need volunteers to commit to manning one of the stations for a few hours or whatever you can spare. Also we need lots of help erecting the antennas and setting up the sites. We are planning to have small potluck cook out the evening of the first day (Saturday). So let's all participate, and we guarantee that you will have a good time and may learn something. We cannot assure you that we will not have another earthquake, as we did last year, hi.

As usual there will be two (five chance) quick picks and a 50/50 ticket raffle at the April meeting, mark your calendar, and come on down.

The Program Committee

Norm Musselman, KN6CV
Art Sutorus, KC6YRH

Digital Digest

by Mike Frasier, KC6TWR
KC6TWR @KD7XG.#SOCA.CA.USA.NA

Packet Radio is becoming one of the most popular new aspects of amateur radio today. Thousands of Hams are "doing packet" every day, and hundreds of messages originate and are forwarded within the world-wide packet network for the National Traffic System (NTS) daily. Local Bulletin Board Systems (BBS) carry messages advertising items for sale, requests for items to purchase (sometimes called wants), debates on politics, Ham radio, UFOs, gun control, and CQs from all over the world. There are some BBSs that specialize. For example, the KC6BRZ BBS right here in Norco limits its listing to items for sale or want. The JPLBBS (W6VIO) in Pasadena is general purpose, but is a focal point for the earthquake buffs to share information, as well as news for space shuttle and satellite fans. Another type of BBS is called the DXCluster. This is a DX spotting network for DX operators throughout the So. Cal. region.

A frequently asked question is "How fast is Packet?" The basic speed used on VHF frequencies is 1200 baud or 1200 BPS (bits per second). Remember from the January article that the letter A is represented as 01000001 in digital code. Each 1 is a bit and each 0 is a bit so it takes eight bits to make a character. Because of some other magic that takes place, and to make the math easier I use the number 10 for each character. That means that at 1200 bits per second, I can transfer 120 characters per second ($1200 \div 10 = 120$). Using the FCC standard for five character equals one word, we transfer 24 words per second ($120 \div 5 = 24$). One more calculation, 24 words per second for 60 seconds equals 1,440 words per minute. Since most of us have problems

sending CW at more than 5 to 10 words per minute, you can see that packet is very fast. Even if only 10 percent of our characters transfer correctly, that is still 144 words per minute -- faster than the world's record CW sender.

If you have your TNC hooked up to your radio, the computer or terminal hooked to the TNC and the software ready to go, tune your radio to one of the following dedicated packet frequencies:

144.91 144.97 145.01 145.03 145.05
145.07 145.09 145.61 145.63 145.65
145.67 145.69 223.54 223.60

The local BBS KD7XG is located on 145.05, KC6BRZ in Norco, and the JPLBBS are on 145.09. Give your TNC the "Monitor on" command and just watch for a while. You will see traffic moving on the network that looks something like the following:

```
03/20/93 23:31:52 RIM03*>N6XIV: [I,0,4]:
03/20/93 23:31:54 RIM03*>N6XIV: [I,2,4]:
03/20/93 23:31:55 RIM03*>N6XIV: [I,3,4]:
03/20/93 23:32:02 N6KZB-7*>KC6LHA: [I,5,2]:
03/20/93 23:32:03 N6XIV-15*>KC6LHA: (mr,3):
03/20/93 23:32:03 RIM03*>N6XIV: [RR,4]:
```

Next month I'll give you some more information about how to get started by connecting to a BBS and reading and sending messages. If you have any questions about packet radio, please feel free to contact me at my packet address (see above), or give me a call at home.

Corona Norco Amateur Radio Club

ARRL Affiliated Club #2108
P.O. Box 1873
Corona, California 91718

Board of Directors

President	Dick Moll, N6XUC	371-0555
Vice-President	Norm Musselman, KN6CV	734-8835
Secretary	Dick Schepler, AF6F	371-5256
Treasurer	Art Sutorus, KC6YRH	734-1485
Editor	Phyllis Frasier, KD6AUU	734-4464
Pub/Srv Coord	John Miller, NF6Y	735-0284

Genius Stumped

"Of all the things in the universe, the most difficult to understand is the income tax."

Albert Einstein.

From February 1993 ARNS as
quoted in the December 13, 1992
San Francisco Chronicle

ARRL -- What's In It For Me If I Join?

By Eugene C. Pressler, W3ZXV

Wilford Brimley, the lovable old character actor in the Quaker Oats commercial gave the best reason: "Because it's the right thing to do." But doing the right thing doesn't motivate everyone. ARRL membership offers more tangible benefits, but its contributions demand mentioning. The largest Amateur Radio organization on the planet, the League has been Amateur Radio's most effective voice in the halls of power since the early days of radio. ARRL also provides services, including:

WIAW bulletins and on-the-air code proficiency sessions.

The Amateur Radio Emergency Service (ARES), with its outstanding record of public service in natural disasters.

The Registered Amateur Radio Instructor and Volunteer Examiner programs, which help prospective hams obtain licenses and help hams upgrade.

Assistance to hams in situations involving regulatory matters, antenna restrictions, reciprocal licenses, and in finding volunteer legal representatives.

Technical books and training materials.

Contests, including ones like Field Day that promote emergency preparedness and others that are just for fun.

Ham equipment insurance offering low rates and solid protection to individual hams, clubs and repeater organizations.

A field organization of local volunteers to assist members in a wide variety of operating and technical activities.

An outgoing QSL service to cut the cost of exchanging cards with foreign hams.

Awards recognizing individual operating achievements, including Worked All States and prestigious DX awards such as DX Century Club and Worked All Continents.

QST, the monthly journal sent to all ARRL members. QST features high-quality articles at all levels on

technical, operating, and many other subject areas. QST also reports on local, national, and international League activities, FCC actions, and more. QST alone easily justifies the cost of League membership.

The ARRL publishes journals for special interest ham groups. Contesters, as one example, find the National Contest Journal's operating tips, equipment reviews, technical information, and contest news helpful, if not essential.

Yet in today's heavily PAC-influenced FCC and Congress, the League's most important role is protecting and promoting your interests as a ham. But for its efforts, there almost certainly wouldn't be Amateur Radio today.

Joining ARRL is a step you can take to prevent Washington from giving our bands to rich, powerful interests that want them.

From the November '92 Penn Wireless Association 'X-Mitter' - Dave Heller, K3TX Editor. (last two paragraphs added by AF6S)

T-Hunt Report

In February, a written warning was sent to all CNARC T-Hunters. It said, "Change your oil, get your cars tuned up, get your battery checked, check your transmission fluid, check your galoshes and rain gear, et al. No excuses this time."

KC6VYG (w/KC6KBE) was the hidden T. Hunters were WA6FAT (w/KD6ICZ) who came in first, KF6GQ (and Jr. Op) second, NF6Y (w/KN6VC) third, and N6??? fourth. WA6FAT will be next month's hidden T "provided it is a no holds barred hunt". It should be a barn burner. Plan to ride along.... or better yet, to hunt.

de Fred, W6TKV

CNARC General Meeting

March 1, 1993

President N6XUC called the meeting to order at 7:36 pm followed by introductions.

KC6YRH gave the Treasurer's report. We now have a balance of \$650.75.

A motion to accept the bylaw changes was made by W6TKV and seconded by KC6VUY. The changes were accepted by a unanimous voice vote.

KN6CV made a motion to establish an Equipment Fund especially for purchases of ham equipment for the club station at the Corona Senior Center. The equipment would also be used for club functions such as Field Day, Barney Oldfield, etc. The motion was seconded by KC6VUY and was passed. W6TKV and KC6VUY volunteered for the committee to seek income for the Equipment Fund. All donations cheerfully accepted!

The President made a pitch for members to join the ARRL if they don't already belong. ARRL is our main representative to the Federal Government and international organizations. Also, we need more than 50% participation to qualify as an ARRL Service Club.

The raffle prizes of 5 Quick Picks were won by Bob, W9STA, and Dick, N6XUC. The 50/50 was won by Helen, WB6TFQ, who generously donated \$31 back to the club for the new Equipment Fund. Thanks, Helen, for getting the fund off to a good start!

NF6Y gave the RACES report. Upcoming events will be the Sierra del Oro 5/10K Run on March 20, the Lions Club Bike Race April 3, and a track meet on April 7. Other events upcoming are the Easter Egg hunt April 10 and the Run for the Crown May 8. Contact John, NF6Y, if you can help for any of these events.

The evening's program on Packet Basics was presented by KN6CV, KC6TWR, KC6YRH. Dick, AF6F

Assistant Director Appointed

At the request of President, N6XUC, Fried Heyn, ARRL Southwestern Division Director, has appointed Fred Roberts, W6TKV, as Assistant Director. The function of this position is to provide direct liason between the Division Director and our club. Mark Costa, KB6GNZ, served the prior two-year term.

Races Corner

HELP! RACES is following in the footsteps of the rain - we're suddenly almost too busy. On 4/3 we have been asked to assist in 2 events: Corona Host Lions 25/50 Mile Bike Ride & The Day of the Child. We will need ten ops for the bike ride and five for the Child.

While there are events on 4/7 and 4/10, the next event of size is on Saturday, May 8. This is the Run for the Crown sponsored by the Corona Parks & Recreation Parks Dept. 1000 runners are expected and we need 10 operators.

A & M Computer Services

Norm Musselman KN6CV
1610 Pacific Avenue (909) 734-8835
Norco, Ca. 91760

- *Small Business Computer Applications
- *Personal Computer Applications
- *Sales & Repair



Corporate Office:
11823 E. Sluison Ave, Suite 31
Santa Fe Springs, CA. 90607
(213) 693-3749

Cooking great since 1968

Karen Tucker
GENERAL MANAGER

402 S. Corona Mall, Corona • (714) 735-6691

RADIO TALK

by Fred Roberts, W6TKV

One of the hardest things for a new-comer to do is make that first CW contact. Here is more of that jargon (or shorthand) you will hear, and some Q-signals. But, don't forget that the ones given last month still apply here too.

Q-signals most used during a CW contact:

QRS - Slow down, as in "MISSED MOST PSE QRS"
QRN - Static, as in "MUCH QRN ON BAND TONITE"
QRM - Interference, as in "PSE REPEAT, QRM HERE"

Other CW shorthand:

FB - FINE BUSINESS
ES - AND
UR - YOUR
GM - GOOD MORNING
GE - GOOD EVENING
CU AGN - SEE YOU AGAIN
GG - GOING
WX - WEATHER
RST - Signal strength as in "UR RST 599"
BT - Pause between thoughts, a separation)
TNX or TU - Thank you
U - You
CU AGN - See you again
HW - How
NW - Now
K - Go Ahead
KN - Station called Go Ahead, no one else
KNWD - Kenwood

THE STANDARD CW CONTACT:

Whether you call CQ or answer a CQ, the first transmission by the first operator is almost always a carbon copy of this:

KD6QCO DE W6TKV/7 TNX FER CALL BT UR RST 579 579 BT QTH IS COTTAGE GROVE, OR ? COTTAGE GROVE, OR BT NAME HR IS FRED FRED BT SO HW CPY? KD6QCO DE W6TKV K

The other station's response follows the same pattern, (cont'd next column)

(Cont'd from previous column)

but maybe with some added information on the rig and possibly the weather, eg.:

W6TKV/7 DE KD6QCO R R R FB FRED BT UR RST 599 5NN BT QTH CORONA, CA ? CORONA, CA BT NAME DAN DAN BT RIG HR KNWD TS440S ES DIPOLE ANT AT 35 FT BT WX SUNNY AND 60F BT HW CPY FRED? W6TKV DE KD6QCO KN K

The response to this transmission usually contains weather and rig information, but from then on ... you're on your own and the sky's the limit. Remember: If you want to speed up your CW, the best way is to get on the air and talk to somebody with your fingers.

If you're a new Technician, work on that 5 wpm ... and do it now! Don't put it off!

de- W6TKV

AIR PRO ONLINE

Exactly What a Computer Company
Should Be

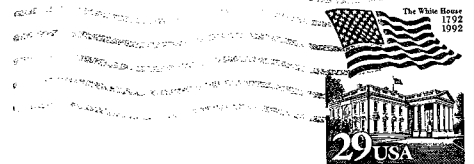
MIKE . NANCY . STEVE

2200 Hamner Ave. Ste 101
Norco, CA 91760
(909)737-9944

CALENDAR OF EVENTS

Monday, April 5, 1993, 7:30 pm	General Club Meeting St. John's Episcopal Church 526 Magnolia Avenue, Corona
Wednesday, April 7, 1993, 8:00 am	Monthly CNARC Breakfast Location to be announced. Check-in on local frequency.
Tuesday, April 13, 1993, 7:00 pm	Board Meeting Grinder's Restaurant South Main Street, Corona
Saturday, April 16, 1993, 10:00 am	Monthly T-Hunt Check-in on local frequency
Monday Night Nets	Weekly except the first monday of the month. Check in on 146.535 Mhz.
Thursdays, 11:30 am	Thursday Lunch Bunch

Corona Norco Amateur Radio Club
An ARRL Affiliated Club
P.O. Box 1783
Corona, California 91718



N6XUC
Dick Moll
1508 Emerald St.
Corona, CA 91720

