

Hospital Net first Monday of each month, 1900 hours, 146.985.
Club Breakfast held at Hunny's on the Wednesday after the club meeting, 0800.

COMMUNICATIONS for Community events By Barry, K6ZCE

After a dry three months with no communications activities, we finally get busy, very busy. We have four events scheduled in April, two in May and three in June. See the calendar on the front page. Want to be part of any of them, call Barry.

LIONS CLUB 50 MILE BIKE RIDE April 7

Billed as the "CORONA CLASSIC", the Host Lions Club says to "smell the blossoms...enjoy the view. The course is designed to provide challenge with scenic pleasure, ample rest stops and a course that lets you set your own limits." The 25 and 50 mile courses will be essentially the same as last year. There will be a need for plenty of communicators. Have you been contacted yet? Call Barry. Officials arrive at 0630, race starts at 0730, 0800, and 0830. Should be over at noon.

CHAMBER OF COMMERCE GRAFFITI CLEANUP April 21

The Corona Chamber of Commerce has asked us again this year to provide communications to about 10 teams of clean-up workers and several rovers. Linda Hicks is heading the committee. We start at 0800 and should be finished before 1300. Picnic at City Park.

MARCH OF DIMES WALKATHON April 28

March of Dimes has a new walk coordinator this year, Debbie Morales, and she is very enthusiastic about amateur radio helping with communications. The course will be the same as last year with 5 checkpoints, 2 patrols and headquarters at Corona Civic Center. Setup is 0700, walk starts at 0800 and should be completed before 1100. See you there.

PRESIDENT'S MESSAGE

The FCC has put forth a proposed change in licensing which, if adopted as written, would add a Communicator class license (no code required, all privileges 222MHz and up, 200W power limit) and would drop the Novice and Technician class licenses (current Novice and Technician license holders would be grandfathered and able to renew). The Communicator written test would be a combination of Novice and Technician class, and a 5 wpm code test would add Technician privileges, with no call change but would append the suffix "/A" to their call.

In my opinion, the FCC has done a poor job of drafting their "no code" proposal. Although I do not oppose a no code license, I don't think it's necessarily the wisest course. I strongly disagree with the commonly held premise that by

adding thousands of newcomers to amateur radio, we will automatically "protect" our bands from commercial encroachment. Actually, if more of the current 450,000 license holders got politically active with the FCC, I think we would hold our own very effectively. There's no reason to believe that the incoming hoard would be any more politically active than hams are today. Indeed, one could argue they would be even less concerned.

A primary concern to adding quantities of newcomers in the VHF spectrum; there won't be enough oldtimers in those bands to welcome them and introduce them to what you do and what you don't do on ham radio. Consider the current Novice activity on 10M, where there are bunches of higher class licensees working them in their 28,300-28,500 KHz segment (if you don't believe me, just listen on any contest weekend. Or, catch the 10/10 number chasers.). By comparison, incoming Communicators would be largely isolated in the VHF spectrum, and as a natural consequence quickly develop their own "communicator" protocol and culture by default.

Some thoughts might be: 1) retain the Novice and Technician classes, 2) require some Communicator level of Morse code comprehension (i.e. be able to translate a written CW message with some accuracy), and 3) abandon the call change for Novice (or Communicator) to Technician (not a bad idea since the N6XXX calls are just about used up anyway. And, I am sure each CNARC member has many other ideas.

With the comment period ending August 6, 1990, I propose that CNARC submit comments on this important NPRM. All club members who are interested in serving on a CNARC Blue Ribbon Committee give me a call. It would be a shame to have it just be a committee of one. de- W6TKV.

OPEN CNARC BOARD MEETING-

Monday, April 5th, 1930 hours at our meeting place. All club members are welcome to attend.

THOUGHT FOR THE MONTH-

This is an Ann Landers "Gem of the Day": Hanging on to resentment is letting someone you despise live rent-free in your head.

FUTURE PROGRAMS -

April- W6SET, Amateur Television.
May- N66A, QRP techniques.
June- OPEN.
July- OPEN.

THE MARCH MEETING-

President Fred (W6TKV) called the meeting to order at 1945 hours followed by introductions.

The program was put on by W6SX, Hank Garretson, who spoke about the National Traffic System (NTS). He said that traffic over the system is similar to telegrams in that messages are in standard form and are short and to the point. Messages may be sent by Phone, CW, or Packet. He covered the

format of a message which includes the Preamble, Name, Address, and Phone Number, then the Text and the Signature. He then covered the structure of the NTS starting at the Area Nets, then the Region Nets, and finally the Section Nets.

ank's specialty is operating CW and he said the best way to build your speed is to get on a net. There is a slow speed net on 3705 at 2200 hours and a phone VHF net on 146.85 at 2100 hours every night.

KP4DX is on the air from Puerto Rico from 1600 to 1700 hours between 28.430 and 28.480 MHz.

*****THE APRIL CONTEST FOR THE CLUB WILL BE THE ARRL NORTH AMERICAN QSO PARTY ON APRIL 14TH AND 15TH ON 5SB. DON'T FORGET TO HAVE A LOG TO SUBSTANTIATE YOUR CONTACTS.*****

Our application for a grant from the City of Corona was denied since we do not qualify as a low income group. However, the Fire Department will be getting some ham gear for the EOC.

A proposal was made to charge new members joining the club after July only half the annual dues.

The doorprize was won by WA6YZS, the first name drawn! The raffle was won by KC6BT1.

The meeting was adjourned at 2150 hours.

YOUTH W. A. S. TROPHY-

We are going to award a Youth WAS (Worked All States) Trophy. (See the December or January issue of THE COMMUNICATOR.) Of the seven candidates who will win?

1990 MONTHLY DOOR PRIZE-

Each month, we have a door prize at the club meeting. W6FUN suggested a neat idea. In addition to selling tickets at each meeting, every club member will receive one free ticket to be placed in the CNARC Gold-Plated Ruby-Studded Raffle Drum ... however, the winner must be present to win. If your name is pulled, and you isn't there, you doesn't win! Plan on attending every meeting! At the March meeting only one name was pulled, WA6YZF, Pete was THERE! He took home a very nice pair of tweezers. Right place-Right time!

NOTARY FOUND-

Through the efforts of our new Treasurer, John Schnepfer, W6FUN, Mrs. Ritchie, at the Corona Community Hospital Accounting Department, a Notary Public, has agreed to Notarize our RACES applications during business hours at no charge. Thank you, John, and thank you Mrs. Ritchie. Let the RACES Applications rollllllllll.

CONSTITUTION AND BY-LAWS-

Pick up a copy of the current version at the next meeting.

BRING A FRIEND TO THE MEETING-

If you have a friend or acquaintance interested in coming a ham, why not invite them to join you at our club meeting. It's an excellent way to build their interest. Remember, anyone can become an Associate Member of CNARC.

MONTHLY BREAKFAST-

Because we have several club members who work nights, we have instituted a monthly club breakfast, to be held on the Wednesday morning after the club meeting. NEXT ONE IS 4 April AT 0800, AT HUNNY'S, 6TH AND MAIN IN CORONA.

The last one was attended by W6TKV, NF6Y, and KC6BT1. Subjects discussed were: Packet, operating, DX frequencies, interesting contacts, the school club stations, and everyone who was not there... S00000, come join us!

T-HUNT RESULTS-

Visitors are always welcome to participate or just to ride along as observers or critics...

(ENTIRE T-HUNT CREW GETS ARRESTED BY FBI!)

This month's T-hunt was held on Saturday, March 17th, John and Diane N6SBU and KB6VKL were hiding in Norco Park, just behind Norco City Hall. The official winner was Fred W6TKV with 7.9 miles, Dick N6XUC finished with 15.1 miles. K00V Joe and WA6FAT Ron were hunting another T-hunt in Orange County and followed the CNARC hidden transmitter instead of the Orange County signal. (Orange County is on the other side of the county line fellows, ed). Joe was actually the first hunter to arrive in Norco, and Ron was only moments behind. AF6F Dick also found the hidden transmitter without a radio. It seems he was riding his bicycle past the park and spotted the T-hunt activity.

The next T-hunt is scheduled for April 21 (same day as the Chamber of Commerce Graffiti Cleanup). Visitor hunters as well as ride-alongs are always welcome.

THE DX WINDOW-

Reported by W6TKV, this month's DX was:

20M- LQ20DX (Argentina), RW3AG and UV3BZ (Moscow), S01EA (Western Sahara), SM4RYF (Sweden), 5N6YBC (Nigeria).

17M- G3BVW (England).

15M- AH3A (Johnson Is.), DX1A (Philippines), HC1HC (Ecuador),

J6LSN (St. Lucia), JA7YAA (Japan), LU1LHM and LQ21DX

(Argentina), XE2FU (Mexico).

10M- CX9DH (Uruguay), DU3/KE9A (Philippines), JH8GYV (Japan),

PJ2AN (Netherlands Antilles), ZM2GS (New Zealand).

W6TKV complained that the CNARC CW contest really cut into his DXing, although he admitted some of the above were CW contacts.

ARRL VE EXAMS-

The Riverside County Amateur Radio Association (RCARA) has scheduled license exams for, June 2nd, September 1st and December 1st (all Saturday mornings at 0830) at Riverside General Hospital. For information call 780-2680.

MEMBERSHIP REMINDER-

Just a friendly reminder that the club dues are due and payable on the first of the year. IF YOU DID NOT RECEIVE THIS ISSUE, IT IS BECAUSE YOU ARE DELINQUENT! YOU HAVE NOT COUGHED UP THE NECESSARY SCRATCH!!! Send an application card and a check to John, W6FUN for \$10 single or \$15 for family, make it out to CNARC. Good work.

ARRL RENEWAL-

When you receive your ARRL renewal notice, make your check out to CNARC and bring it to the next meeting (or mail it to N6FUW), so CNARC can receive the \$2.00 renewal credit.

If you would like to help with any of these, please contact Ron (371-0960) or Barry (735-1761).

CIRCLE CITY COMMUNICATOR DEADLINE--

The target date is the Sunday, a week before the regularly scheduled club meeting. 29 April is the next deadline.

CLUB BADGES AND JACKETS--

Club badges may be ordered at any time at a cost of \$4.00 with your order (or \$5.00 upon delivery). Club jackets are available at an approximate cost of \$25.00, however, we have to order at least 10 jackets at a time. Anyone interested should speak up at the next meeting and we'll start a new list.

APRIL BIRTHDAYS--

Five of our members were born in the month of April! N6VRT-Harry Jackson-6TH, KB6RJC-Dar McClintock-9TH, N6AEY-Ed Elliot-12th, W6TKV-Fred Roberts-13th, and N6SBU-John Quinn-15th. A very Happy Birthday to you all and many more to come.

ARES / RACES / PUBLIC SERVICE

EMERGENCY COORDINATOR (EC), CORONA/NORCO- Ron Fox, 1263 E St., Corona, CA 91720, 371-0960

RACES CORNER

Barry, K6ZCE, assistant EC
EARTHQUAKE FEB 28 hits Upland- A 5.5 quake hit Upland and surrounding areas at about 2:30 PM. It was felt in Corona and Norco (where were you?) pretty hard. Corona/Norco ARES/RACES operators jumped into action (I know, I know, but it sounds good!) and checked into net on the club frequency. No damage was reported but NCS (K6ZCE) was able to report to District 1 within a half hour on the status of our area. Thanks to N6RNN, N6XUC, WA6YDJ, NF6Y, N6AEY, N6MWH, WB6UYC, N6DYR.

N6AEY and K6ZCE monitored the RACES operations in Ontario and Upland and offered telephone assistance.

Remember, if you feel an earthquake or know a disaster has happened, CHECK INTO CLUB FREQUENCY 146.535.

TO WHOM IT MAY CONCERN

The RACES radio equipment has been moved from its usual place at the Circle City Hospital. As a result, the equipment could not be found for the monthly exercise. This action should have been coordinated with the Emergency Coordinator beforehand. Let's work together, gang.

ARES/RACES PLANNING--

Corona/Norco ARES/RACES needs volunteers for the following tions:

- TRAINING OFFICER
- RESOURCES OFFICER
- NET CONTROL OPERATOR
- ASSISTANT EMERGENCY COORDINATOR

The first draft of the communications plan for Corona/Norco is finished. Copies are going to local ARES/RACES staff for comments and suggestions. When the review is completed, copies will be made available to every communicator. Want to review the plan? Got some suggestions or questions about planning? Contact Ron or myself. We would be happy to get you a copy and solicit your comments.

The National Traffic System was the featured topic of last month's meeting. If you are interested in learning more about Amateur Radio's free nationwide message service, check in on Monday nite at 1900 on 146.535 and let us know. Incidentally, there is also a free message service to/from our armed service's men and women thru-out the world.

EMERGENCY CALL-UP ROSTER

Available anytime:

- N6AEY KC6ABL W6DCC N2FDU KB6GNZ WA6ISG KV6P N6RNN WM6S
- N6TSF N6XUC NF6Y K6ZCE

(Inactive: N6PUG N6RFP K6OV WD6DBI KR6H WB6DHF KB6RJC WA6YZF N6DYR)

Available evenings and weekends:

- KJ6B WA6BHR KB6DOL N6DUV AF6F KB6GQE KA6LTD N6MWH N6RNO
- N6SBU KJ6UB WB6UYC N6VZB N6XFB WA6YDJ K6ZCE

(Inactive: N6VRT WB6NCJ KD7XG K6OUI K6LEF KB6RKI K6MYV N6TAX)

This is the list ARES/RACES is going to use when we get a call-up. If your call is in the wrong place then we have a mis-understanding about your availability. Let us get it right, call Barry.

STATE OFFICE OF EMERGENCY SERVICES (OES)

The State OES has offered to add us to the mailing list for their weekly bulletin about RACES subjects. They are well written and some are quite interesting. We will include them in the Monday nite ARES/RACES/CNARC net on 146.535, 8 PM. Did you know that every person on the OES RACES organization chart is a ham? They have an impressive station in Ontario. Maybe we can get invited on a tour.

USSR DIPLOMA CHASE - FOR THE YOUNG AND HEEDLESS!

By Chuck Carpenter, N6CFQ (685-2034)

For years, it came to be that the only conversation one was able to get from a contact with our Soviet colleagues was a simple 5-9 report and a good-bye from any contacts that were made. The next hurdle was Box 88, Moscow, and a 2 to 3 year wait for the confirmation.

As of 1988, things took a delightful change for the better,

in that the "Iron Curtain", (as we 'Yanks' called the wall of near-silence), began to part. Signal reports and good-bye gave way to QTH information and an address or two for direct mailing. Soon, the equipment and antenna information and personal background info such as job, family and more technical information became the norm. Personal letter correspondence began and a virtual flood of printed text was being exchanged as well as the small personal gifts sent by a generous-at-heart people, that we little understood.

By the close of 1988, Soviet contacts with banned nations became legal and Amateur Radio glasnost shifted into high gear. The bands were now wide open to the pursuit of the elusive USSR awards, awards now held by only a few persistent hams who fought the Iron Curtain tooth-and-nail, to obtain the rare USSR QSL. These awards are now in sight for all, Novice through Extra, who would "Beam to the North".

During 1988 and on through 1989, Canadian, Soviet and United States amateurs went down in radio history with the transpolar Ski-Trek, the WNDX/ZILANDX club operation of USOP and the first ever USA/USSR EXPEDITION to Ayon Island, with the USOUS call. The May 1989 CB-M contest netted a great effort from U.S. amateurs and the USA/USSR only contest brought still more glasnost to the air. The race was now in full swing.

This thumbnail sketch of events will give you an idea of the improved conditions that the Soviets are working under and if you are the "new guy on the air" and have a little interest in chasing after a piece of paper for the wall that entails hours of your time running down an elusive call and the patience to wrest a card from the contact, then come join the USSR Awards Chase. You will love it! NEXT MONTH: Awards and Requirements.

CNARC QUICKIE CONTEST #3 WINDS UP AT THE APRIL MEETING--

The object of CNARC Quickie Contest #3 is for club members to make as many CW contacts as possible, and there are only a few days left. Contacts on each band count one point. Note: Novice club members score two points per contact!!! Don't forget to submit a copy of your log at the April meeting. The winner will be presented with the CNARC Travelling Trophy by the current trophy holder, NF6Y. de- W6TKV.

AC BATTERY RUMORED--

While tuning the bands the other day, I got into one of the telephone frequencies. It was idle curiosity at first but then the subject of the conversation really grabbed me. There was this Dr. Hockamoto at the University of Arkansas talking to someone in Los Angeles about the progress on his research project.

At first, I was sure they were joking with each other but the conversation was obviously very serious. The idea of an AC Battery has been a joke played on those entering the electronics field for years. The absurdity of it is obvious when you consider that all known batteries depend upon a chemical reaction to produce electrical current which, then, is direct (DC) current. The Hockamoto battery works on molecular motion. While still under development, Dr.

Hockamoto reported the principle was sound and the results were very promising.

As near as I could gather, the battery used a radio active isotope, Ac²²⁷, (Actium, between Radium and Thorium in the Periodic Table of the Elements) with an atomic mass of 227 and an atomic number of 89 (Apparently this number is a key, being a prime number). The half life of the isotope is 21.7 years, which should be a terrific battery. The type of radiation is 99% Beta (negative) with some internal conversion electrons, which is the heart of the battery action.

There was mention of a high intensity magnetic field which caused the electrons in orbit to spiral and also to synchronize such as the magnetic field is formed in a permanent magnet. Thus the spiraling of the electrons forms a pumping action and an AC current is produced. The term "EPR" was mentioned frequently. I looked this up and it stands for "Electron Paramagnetic Resonance".

Dr. Hockamoto said that by doping the isotope with several impurities in precise amounts he had been able to affect the frequency of the Alternating Current. Actually, the output of the battery was not really Alternating Current, but to be precise, it was Pulsating Current, or PC. Nevertheless, this characteristic would allow transformer action to produce whatever voltage was desired.

Thus, we may someday soon be able to buy an HT with a twenty year built in power supply. Even if the AC (PC) battery only provides a trickle charge for the standard Nicads, it should keep things ready to go. Ain't Science wonderful! (Especially in April. -Ed.)

CNARC CW NET FORMING--

We have hereby established a 'club frequency' of 28.290MHz. Listen in, call "CN de (call)". A more structured net will be held on this frequency at 2000 hours on Wednesdays. Listen in, put your oar (paddle?) in, and have a go- you'll be among friends.

TO WHOM IT MAY CONCERN--

Luis Diaz, KP4DX, has been nominated for 'Instructor of the Year', an honor which will be bestowed by the ARRL. If you are a former student or associate of Luis' and feel he should have this recognition, send a letter describing his instruction and how it affected you, to Fred Roberts, address the letter: TO WHOM IT MAY CONCERN: . Of course, the envelope will be addressed to Fred at 5464 Peacock Lane, Riverside, CA 92505. A CNARC member's honor is shared by CNARC.