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ORANGE COUNTY AMATEUR RADIO CLUB

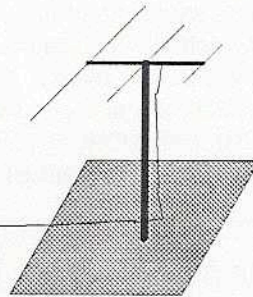
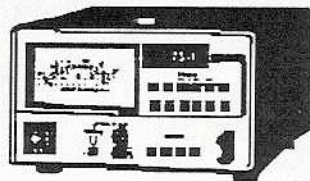
VOL. XXXII NO. 2

P.O. BOX 3454, TUSTIN, CA 92681

FEBRUARY, 1991

**Friday, February 15th
7:30 PM
is the next meeting!**

**Our Speaker:
RON WEAVER,
N6VO...**



**Have you remembered
to pay your dues?**

**Say "Thanks" to
Cindy, KC6OPI, who
volunteered to provide
refreshments!**

...grew up as a missionary's kid and caught the DX bug early in life. First licensed as WN6CZH in Sept. 1958 in Junior High, he went on to pass the Tech and General exams before finishing High School in Pasadena, CA.

He started the Pasadena High Amateur Radio Club and while later attending UCLA upgraded to Extra Class. He was one of the forces behind the establishment of the UCLA club station "W6YRA" which is still active today.

Ron holds calls in a number of countries and most often can be heard from his second home in Tahiti as FO5VO. When not hamming he enjoys sailing the South Pacific, golfing and writing.

He's married to Beverly, N6JDG and has three children who are all licensed as well and describes himself as just an average guy who has never lost his little boy enthusiasm for Ham Radio! He's worked 319 countries and 5BDXCC in 8 1/2 years.

FO8AA Slide Show/Narrative DX QSLing DX Tips Low Freq DX

Although he prefers CW, Ron recently activated the Tahitian Amateur Radio Club "FO8AA" for CQWW-SSB 1990 with over 6,300 QSO's in 48 hours. His humorous articles appear from time to time in *CQ* magazine and cover the gambit of personal DX experiences from

"How Not to QSL" to "How to tell your wife you're going on another DXpedition."

To put it into Ron's own words "I cannot imagine being alive and NOT being a Ham. It adds a dimension to your life which cannot be found in any other endeavor in the world today."

| <i>In This Issue</i> | <i>Page</i> |
|----------------------------|-------------|
| PREZ SEZ | 2 |
| CHECK YOUR MAIL LABEL.... | 2 |
| NET NOTES | 3 |
| 1990 TREASURY CORRECTION | 4 |
| JAN MEETING MINUTES..... | 5 |
| FEB BOARD MINUTES | 5 |
| PACKET PALS NEEDED..... | 5 |
| TELEPHONE RFI..... | 6 |
| DESERT STORM WARNING | 7 |
| SWL FREQUENCIES | 7 |
| VHF ANTENNA MOUNT..... | 7 |

**FEBRUARY MEETING: Ron Weaver,
N6VO, FO5VO, 3D2RG, 5W1GL, A35RW, KX6RW, 5H3RW
DX Presentation and Discussion**

The Prez Sez..... by Ken Konechy, W6HHC

Well it looks like "CODE-LESS HAMs" are finally a reality after years (or is it decades) of debate!! I really look forward to this change in HAM RADIO although I know that there are many sincere HAMs out there who believe this may be the "beginning of the end".

My thinking has always been that MORSE CODE has been constantly losing its value over the years. When I first got a NOVICE and GENERAL back in 1957, probably 50% of the HAMS were restricted to CW because AM PHONE was too darn expensive (cheap SSB was just being introduced). And can you imagine how it was back in the 30's or 20's when the license requirements for CW were first established?? (the percentage was probably closer to 80% or maybe higher!) So times have changed and now knowledge about PACKET RADIO or

SATELLITE communications is probably just as important as CW used to be.

At any rate, the FCC has created a new law. Lets welcome these new CODE-LESS HAMs onto the air and into the OCARC as full HAMS, just as YOU were welcomed when you first got your license!!!

At the January meeting, it was announced that we may lose our long-time meeting site at the SECURITY PACIFIC BLDG in Tustin. I confirmed with the people at SECURITY PACIFIC that they would honor our current agreement for use of the Community Room thru the month of May. (They plan on remodelling with additional office rooms in the meeting room.) So, we are now in search of a new permanent meeting location. Bob/KC6KDL (phone: 892-3728) has volunteered to head up the search. So if you

know of a possible site, please give Bob or me a call.

Jerry/KC6MTH (President of Audioteck in Torrance) generously donated a DIGALOG TECHNOLOGY Model CRC-100 Frequency Meter (20 - 30 Mhz) to the OCARC. The BOARD decided to hold a special sweepstake at the March meeting using the FREQ METER to raise funds for the Generator Fund.

Check Your Mailing Label by Bob Eckweiler, AF6C

Please take a moment to check your mailing label to be sure your name and address are correct. This same file will be used in March to print the first edition of the 1991 Club Roster. If you have any corrections to your call, the spelling of your name, or your address please contact Bob, AF6C at the next meeting or by phone.

A code on the top right of the label shows your membership status:

| | |
|-----|--------------------------------|
| CB | Club Exchange |
| CO | Complementary to organizations |
| M | Member 1991 paid |
| M0 | Member 1990, Unpaid for 1991 |
| MB | Board Member paid |
| MB0 | Board Member, Unpaid for 1991 |
| Vn | Meeting Visitor |
| Rn | Referred by member |

(n) is the month of visit or referral.

1991 CLUB BOARD of DIRECTORS

| | | | |
|------------------------|----------------------|--------------|----------------|
| President | Ken Konechy | W6HHC | 541-6249 |
| Vice President | Mike Abreu | K6KAA | 832-8503 |
| Secretary | Bruce Creager | KC6DLA | 538-8259 |
| Treasurer | Bill Freyfogle | N6VMS | 964-9336 |
| Activities | Tom Thomas | WA6PFA | 771-2917 |
| Membership | Bob Eckweiler | AF6C | 639-5074 |
| Public Relations | John Meacham | KJ6TK | 842-4702 |
| T.V.I. Chairman | Larry Beilin | K6VDP | 557-7217 |
| Member at Large | Frank Smith | WA6VKZ | 454-2635 |
| Member at Large | Chris Breller | KJ6ZH .. | (213) 866-2077 |

CLUB APPOINTMENTS

| | | | |
|----------------------|---------------------|--------------|----------|
| Club Historian | Bob Evans | WB6IXN | 543-9111 |
| W6ZE Trustee | Bob Eckweiler | AF6C | 639-5074 |
| RF Editor | Nancy Bucher | N6XQR | 537-8728 |
| RF Printer | Jerry Dahlin | AA6BU | |
| Refreshments | Cindy Hughes | KC6OPI | |

DUES

| | | | |
|-------------------------------|---------|---------------------------------|-----------|
| Regular Member | \$12.00 | Additional Family Members | 6.00 each |
| Teenage Members (under 20) .. | 6.00 | Optional Club Badge | 5.00 |

Dues for new members are prorated quarterly from January of each year. Family members must reside at the address of a Regular Member. One RF is sent per household.

RADIO SCHOOL U

"U" FOR UNDER-ONE-ROOF

- No-Code Technician Class
- General Code Class
+ Theory Review
- Advanced Theory Class

February 22, 23, 24

AIRPORTER INN, Orange County
(Also on May 10, 11, 12, again)
Bring your friends to no-code
class! Attend an upgrade class at
the SAME Hotel

on the SAME Weekend!
3 Classes in 3 Classrooms
Gordon West Radio School, Inc.
INFO LINE (714) 434-0666

On the Nets - January, 1991

by Bob Evans, WB6IXN

1/2 15m phone net - W6ZE/HHC checks in VDP, RND, NGO, WT6A, & ULU. RND & NGO discuss their Yaesu FT-1000 rigs. And Bob/WT6A announces an upcoming class for the Tech license at Irvine Jr. College. ULU listens as NGO & HHC discuss their dinner meeting wid Kaz, JA3BKE, & Ken, JA11ZN, both frm JA land.

1/2 2m phone net - W6ZE/IXN checks in BPX, ZH, XQR, KDL, NG7D, VMS, VDP, RND, KAA, AA6BU (Jerry, UL's son), ULU, HHC, RE, PFA, VPP, & ESD. BPX loses his voice as he squeaks out news of an impending rain storm. ZH & nOne visit Independence Hall & Valley Forge on their Xmas journey back to NJ... Jane is now studying fer the codeless Tech license! XQR's parents arrive home safely in OH, wid 4" of snow, rain & flood!...& Nancy's mom may soon become a ham OP! KDL gives Nancy's folks a packet demo, & NG7D wishes everyone a 'HNY' as he awaits the arrival of a new Vibroplex key, & admires the QSL card frm AH3C/KH5J on Jarvis Is. And VMS once agn emphasizes the CW advantage working rare DX wid these 'mouthwatering' contacts: 8Q7BX, 4K1A, Soviet Armenia, EA8/G0KPW, Canray Is., 4S7WP, Maldives Is., Srilanka, OZ1HDF, Ken, Copenhagen; ES1RA, Radio Club, Estonia; & YV1AD, Aldo, Eneezuela.. just for a few! And Bill also contacts VDP, XQR, K6WS, TWF, & others frm his 'float' position in the Rose Parade New Year's Day!..working 519 people in 5 hrs! RE experiences sore eyes after all the bowl games on NYD! Alex reads latest ARRL bulls. on no code licensing, & disabled person's exemption frm the code test; & airs Newline. VDP gets over a Christmas cold, plans to meet wid NG7D, & gets QSL cards ready fer ULU's inspection, & plans a meeting wid ZH abt Commodore programs. RND enjoys working 'straight key' night, & prepares to send his log sheet to ARRL. HHC reminds all abt Club breakfast on Sat. morn, & a proposed visit to past FD sites Sat. afternoon. And Ken announces Bob Maller's Tech class at IVJC starting Wed, Feb. 6, & lasting 10 or 11 weeks. KAA is in the process of teaching the XYL abt business use of computers, & BU, Jerry, is still involved wid processing the Club paper, 'RF'. And ULU plans to participate in the RTTY Roundup slated fer Jan. 5 & 6. PFA hosts VPP at the shack as Tom & Bud get Bud's packet program in order. Tom also cures VPP's computer virus wid SCAN, a program that detects the virus, & CLEAN, a program which destroys the virus!

1/3 15m CW net - W6ZE/IXN checks in RND. We talk abt hard drives vs. disk drives. John will soon put up a vertical fer 15m CW, & pick up a hard drive fer the computer soon!

1/9 15m phone net - W6ZE/HHC checks in IXN, ESD, RND, AF6C, & WA7TZW, Medford, OR. Club goes on a FD searching session after the Sat. breakfast. WD6X will check on the availability of a possible site, & we discuss DOVE, Digital Operating Voice? (a low orbit satellite) on 145.825 downlink.

1/9 2m phone net - W6ZE/IXN checks in BPX, RE, AF6C, KAA, NG7D, QE, JSV, ESD, RND, DLA, XQR, VMS, PFA, VPP, ZH, VDP, & QW. BPX gets 1 5/8" + 1/2" of rain out of both storms as Wyatt prepares for his ---/.....th BD on 1/22. AF6C works on

computer programs, & the 'old car', too! KAA shows the XYL how to use the new computer, & NG7D uses the rain to add water to the pool, does some video dubbing, & connects the new Vibroplex key to the keyer. QE gets the packet rig up & going & checks out 'Packet Gold' wid GDZ. JSV beats the flu wid antibiotics & decongestant, as autumn leaves carpet front & back yards! ESD welcomes the rain, but doesn't hear the Afghanistan station on 14.019 CW! RND wishes Wyatt a HBD, gets new PK 232 software, & works 15m on a vertical whip. DLA isn't mobile tonite, & he's glad there's no flu..yet! XQR is up on packet, now, & Nancy will now take 'RF' articles by this mode! Will XQR's parents soon be 'hamming it up'? Stay tuned! VMS garners XQ0X, San Felix Is.; 5U7NU, Niger, Afr; & ON4UN, John, 'Mr. 40CW', Belgium, on past week's DXing. PFA awaits the arrival of the new satellite TV system as he enjoys the 6" of rain in Orange. VPP has visitors, & arrives late on net, noticing that the rain had softened the bird dung on his car! Bud & PFA get Bud's packet station up & running, & Bud wins the P.C. User Grp. of O.CO's presentation prize! ZH reports that nOne is doing well on theory fer the Tech codeless license! And Chris reminds all OPs of upcoming rise in postage. VDP completes WAS wid Lloyd, ULU, last Sat., gets one Central America contact, & celebrates his son's BD today! QW entertains his mother, frm Europe (Bremen, N. Germany). Rolf gets a 9VI, Singapore, & a GW4 frm Wales, too! And QW reminds all that Club dues are due this month!

1/16 15m phone net - W6ZE/HHC checks in VMS, IXN, & AF6C. AF6C orders all 'RFs' by zip code, & OPs get them within a day! IXN approves the war wid Iraq, & HHC gets a new roof rack fer the ski apparatus, & VMS wants to know where HHC & family will be skiing.. Mammoth, no doubt! ?

1/16 2m phone net - W6ZE/IXN checks in RE, QE, BPX, VMS, AF6C, VPP, VDP, RND, HHC, QW, JSV, ZH, KAA, PFA, VFC, NG7D, KK6LC (Steve, HB), & Bob/KC6JVG (visually impaired), HB. RE runs errands fer handicapped hams, reads 3 ARRL Bulls; one announcing upcoming novice band change: 3675 to 3725 KHz, and airs Newline. BPX listens to the howling, chilly Santanas outside as he hobbles around wid his mending toe! Undaunted by the war he expected, VMS tell of DX exploits wid J5CVF, Guinea-Bissau, Afr, & wid 2 confirms frm Srilanka & Turkey, wid 92 countries confirmed, CW, & 234 mixed mode confirmed! AF6C listens to a 'noisy' IXN on 15m, gets awakened by the high winds in early morning hrs, & hasn't DXed much since the late 70's. VPP watches the 'boob' tube fer the latest war news, & begins tax preparations, & yearns to learn more abt taxes! High winds 're-adjust' VDP's 30 ft. mast slightly as Larry tells OPs the WX was perfect at the Ontario Swap Meet last Sat. RND mates BNC to phone jack as he listens to CNN straight, fer 4 hrs, wid no commercials! QW puffs on his pipe as he watches the war news, orders a tower, & is glad that his mother is back in Germany, safe frm war travel! (not to mention a QSL frm the Isle of Mann) HHC tnx XQR fer a nice 'RF', AF6C fer expeditious mailing, & reminds all of Fri. Club meeting. VFC works the Air Force band leader on his return home (QRP!). 2 prescriptions later finds JSV on the mend

On the Nets - January, 1991 (Continued) by Bob Evans, WB6IXN

frm the flu, as Jim & Jeannie 'reel' frm a \$500 increase in car insurance! ZH replaces the water heater & prepares n0ne to take the codeless Tech test Sat. Keep the old badge, Jane, & wear it for a conversation piece! KAA lays down the 'leaning J-pole' before the winds do it for him! PFA's 10 ft. dish withstands the winds well as the 47 Db gain brings on the raw satellite TV before we see the refined version on regular channels! War news reminds PFA of the battle of Leyte Gulf in the Philippines, where IXN's brother's ship, the U.S.S. Abner Reed, was sunk by Japanese suicide planes! LC tries to contact visually impaired JVG on freq. wid no success. VDP & NG7D recommend a 'spider' ant. for JVG to solve multiple band loading problems.

1/23 15m phone net - No formal net. VMS & NG7D discuss DX & copper braid fer grounding. If anyone knows where NG7D can by copper braid, pse give him a call!

1/23 2m phone net - W6ZE/IXN checks in BPX, NG7D, KAA, VMS, ESD, RE, RND, ZH, & VDP. Wyatt & Blanche treat themselves to dinner at Black Angus as BPX plans a 'garlic watering' tomorrow! NG7D finds KY & SD on 40m after midnite, works a 100mw QRP OP in Ill. KAA hears the VHF contest on 220 on Sat., before he remembers it! Mike works the contest on Sun on 2m SSB. VMS & VDP both work KIOKO, Pacific wide DXpedition, T31KY, 20m SSB, working split freq., frm central Kuribati. Bill also wks RI & UI Soviets, & is trying to work C9EC in Mozambique, Afr. ESD works ST0DX, Dennis, So. Sudan, Jan 21, on the 14.256 L-Grupo net...QSL via WB2WOW. Also, Bob works 9XNH, Hans, in Ruwanda on Jan. 13. RE tells OPs that FCC will determine if any restrictions will be placed on ham freqs., etc., to meet war requirements. Alex also mentions that V73AX, Kwajalein ARC, will send out a commemoration pkg to OPs who make contact between 1/31 & 2/5, in memory of the WWII battle for Kwajalein, as RE plans to nourish the roses wid fertilizer. RE plays Newline tape, wid info on HR-73, a House bill designed to allocate new frequencies to amateurs when FCC re-allocates any of our present freqs. to other services. RND works YZ0AAK on 15 CW, & ZH increases the 'ant. farm' wid a 12 & 17m dipole last weekend, as Jane passes the codeless Tech test, & drools over the new rigs at HRO! Congrats, Jane! VDP recommends we contact our congressmen in support of HR 73! & ESD ends the net wid radio Baghdad freqs: 6100 KHz, 9690, 9875, 11705, 11775, 11790, & 15230.

1/24 15m CW net - W6ZE/IXN checks in NG7D. John loves the new Vibroplex key, & he is looking for a piece of copper grounding braid. IXN will be counting votes fer the Orange County Astronomers election.

1/30 2m phone net - W6ZE/IXN checks in BPX, VMS, KAA, VPP, NG7D, RE, RND, WT6A, VDP, ESD, XQR, VFC, QW, ZH, & ULU. BPX, toe improving, doesn't get his Monday rain, so he 'rains' on the garlic! VMS, still 'glued' to the TV war news, announces that his brother Dr. Ed, will be off to the war zone in 2 weeks! KAA just 'motored in' frm his rental property in Bakersfield. And VPP, engrossed wid fuel injection autos, prepares fer a smog inspection, as Bud enjoys the new 24-pin Epson printer.

NG7D monitors B-52ls on 13.241 SSB, as he ventures into music wid the Commodore. OPs wish John's mom a speedy recovery frm spinal surgery. RE investigates the mystery of the drifting ICOM 2451 as it wanders abt the bands. .. Iraqi gremlin, Alex?? RE reads ARRL Spec. Bull #3 cautioning hams abt repeating military communications in violation of Sec. 705 of the Code. And Bull. #7 says there's no effective date set for the novice 80m freq. change. Wid a heavy voice & sore throat, RND announces a recent trip to Bishop. WT6A announces the codeless Tech license class, starting Feb. 6, at IVJC, 7 tax IXN fer the SPN number crunching program. ESD works Luxembourg on 10, and a C56 in Gambia on 20 SSB, announces that the Colvins (YASME Foundation) DXpedition is in Burundi, Afr., 15m CW, wid a 9U5 prefix, & tells OPs that HZ1AB, Saudi Arabia, is now 7Z1AB. XQR announces a Times Mirror survey that says 50% of the people are 'glued' to TV war news, nothing else being done! Nancy reminds all to submit their 'RF' articles, & announces Club breakfast on Feb. 2. QW travels to VMS' QTH fer an eyeball Mon. eve., as Rolf contemplates moving a 200+ lb. tower up to Big Bear! n0ne looks at a '631' as she awaits her license, & nurses an injured right foot after succumbing to gravity in a hole in the driveway! ..Chris becomes 'maid of honor' wid the household chores! ULU checks in to query net fer procedure to contact N6RKY. . .no luck!

1990 Financial Report Correction

by Bob Eckweiler, AF6C

Editor's Note: Several lines were dropped during transmission of the finance report for last month's *RF*. This correction includes the missing lines.

Financially, 1990 was a good club year. While a quick look at the balance sheet shows a net gain of \$277.10, the real story is much better than that. This year we paid many additional expenses that were due last year. The largest is the club liability insurance that is normally due in late December for the next year. The bill was not paid last year so this year's treasury paid for 1990 and 1991.

Other 1990 payments for 1989 are 1989 club plaques (excluding an extra) and additional 1989 Xmas party expenses. In addition, 18 months of rent on the P.O. Box was paid, the OCCARO dues were paid for 1990 and 1991, and one member's 1990 dues were accounted for on the 1989 books. Still due in 1991 is the postage for the December 1990 *RF*.

Taking the above into account, the club treasury's real gain is over \$600.00. The credit doesn't belong to your frugal Treasurer, instead it belongs to the following members: Bob Dahlin, KI6UL for printing *RF* and his generous contributions to the swap table and auction; Nancy Bucher, N6XQR and all the new club members who brought new ideas and new blood into the club; Kei, W6NGO for his never ending support to the club, its members, and Amateur Radio (he's about to surprise the club again); Jane, n0ne for supplying much of the refreshments without charge; and Ted, K6LJA for his years of support for the club, teaching me the ways of a good Treasurer and remembering the club. KI6UL and K6LJA became Silent Keys this year, but their memory will live on with the Orange County Amateur Radio Club. 73, de AF6C

Minutes of OCARC General Meeting 1/18/91 by Bruce Creager, KC6DLA

Meeting called to order by Vice President Mike Abreu at 7:36 PM. All officers were present. There were 48 members and guests present.

Treasurer's report - \$1100 savings, \$374 checking; \$299 collected in dues.

Field Day sites were discussed. Fairview Park in Costa Mesa was visited and is under consideration.

Nancy, N6XQR announced that Jerry Davis, KC6MTH of Audiotek, in addition to giving the 12% discount on Comet antennas announced in last month's *RF*, had donated a frequency counter to the club. A BIG THANK YOU from the Club to Jerry!

Phil, KK6QE, stated that he had been told by Security Pacific Bank that they had other plans for the room and that we need to find a new meeting place in the next few months. (Please keep your eyes open for a new meeting place.)

Phil also stated that a presentation had been made to the city of Tustin regarding the formation of an ARES group. Please contact Phil if you are interested and live in or near Tustin.

We had the pleasure of hearing two excellent speakers. Gus Bogard, WM6J, spoke on malicious interference and how to deal with it. Carl Jelinek, N6VNG talked about propagation properties.

The OCARC has a tradition of honoring the member who has contributed the most to the club during the previous year. "For the Good of the Club" award for 1990 was presented to Phil Andersen, KK6QE by President Ken Konechy.

Announcements: Dues for 1991 are due.

Bob Maller, WT6A, is teaching a Technician class this semester at the Irvine Valley College Community Education Center starting on February 6 from 7:30 to 10:30 PM (\$50 fee).

Alex, W6RE, read three ARRL bulletins: #5) War in the Middle East has caused no special restrictions. The FCC has the authority to impose restrictions at any time. #4) The 80M novice band is being relocated from 3.700-3.750 MHz to 3.675-3.725 MHz (No date announced). #3) A number of amateurs have been monitored operating SSB outside the band on 10M and 12M. OCAR #21 was launched today by Russia.

Guests were: Paul Stubb, KC6PZC; Randall Davis; Jerry Couchman; Robert Reister, WA6FBA; Herb Ungricht, KC6PZF; Bill Wessel; Byron Mason, N6JJZ; Peg Bogard, N6LLK. Meeting adjourned 9:57 PM

Board Meeting Minutes 2/2/91 by Bruce Creager, KC6DLA

Meeting called to order by President Ken Konechy at 8:45 AM. Officers present were Ken-W6HHC, Mike-K6AA, Bruce-KC6DLA, Bill-N6VMS, Bob-AF6C, Larry-K6VDP, Frank-WA6VKZ and Chris-KJ6ZH.

Meeting Room - Security Pacific Bank was planning to convert the room that we are presently using for our monthly meetings into office space. They have agreed to allow us to continue to use the room through our May meeting. Bob, KC6KDL, is investigating new meeting place. If you know of any possible meeting locations, please contact Bob.

Field Day sites - Fairview Park in Costa Mesa is going to be used by another club and appears to be unavailable. Several other sites were discussed. If the site used last year is selected, a resident of Tustin will be required to petition the city.

General Meeting Program - Ron Weaver, N6VO, will be the speaker for the February meeting. Ron will tell about his DX adventures in Tahiti.

Special Events Station - A guest, Larry Decker; W8SWB, announced that he was planning an expedition to Cabo San Lucas (southern tip of Baja California) on July 11, 1991. He will be establishing a special event station for a total solar eclipse that will occur there on that date. Contact Larry if you are interested in joining him.

Treasurer's report - 40 old members have renewed and 6 new members have joined the club. \$1116 savings; \$917.62 checking; \$602.90 collected in dues and \$59.41 paid out.

Westlink - It was announced that Westlink was again having financial difficulty. It was moved, seconded and voted that a donation of \$50 be made to Westlink.

Frequency counter - Jerry Davis, KC6MTH of Audiotek, has donated a frequency counter to the club. A discussion about method of disposition.

Packet Demonstration - Bill-N6VMS, Jim-N6XTJ, Frank-WA6VKZ and Earle-K6WS were appointed to a committee to put together a packet radio demonstration to be presented to computer clubs and stores in the area.

The NONE call has been retired. Jane has passed her Technician test and now is a full fledge HAM. Congratulations. A BIG Hip-Hip-Hurrah to Jane.

Meeting was adjourned 9:13 AM.

The Packet Racket: **SCHOOLS IN NEED OF PACKET-PALS** January 26, 1991 - Edited by Travis Wise, KB8FOU - Edition 6

* A.S. Leary Elem School Amateur Radio Club; WA3TQJ @ WA3TSW. #EPA.PA. USA.NA

* Glendale Elem School in Tonawanda, NY; Doug Smith, 5th grade teacher; KB2FID @ WB8JUI.#NCOH.USA.NA

* Clinton Middle School in Clinton, WI at WB9EZY @ WA9AJW. WI. USA.NA

* Tod, N6WYJ, is setting up a station in his 8th grade science classroom in Northern CA and should be able to be reached at N6WYJ

@WA6NWE.#NOCAL.CA.USA.NA or through the father of one of his students, Gerry - WA6E @ WA6NWE. #NOCAL. CA.USA.NA

* Madison Senior High School, Trotwood, Ohio; Tim, KB8DDG @ W8BI.#DAY.OH.USA.NA

* Bill, VE5EE @ VE5AGA.CAN, runs VE5SAT at the Kitchener Community School; Regina, Saskatchewan, Canada.

These school groups are looking for hams to communicate with their students (some of which may have their ham licence also) via packet.

Telephone RF Interference

by Don, W6BDD of the Air Force Flyers Club, passed along by Dave Hollander, W6COJ

Modern electronic telephones are potentially susceptible to radio frequency interference (RFI) because they contain many silicon diodes which act as crystal rectifiers. The crystal rectifiers convert inaudible RF energy into audio-frequency energy, which can be heard in the earphone. This turns the telephone into a crystal-set/radio-receiver in the presence of moderate to strong RF signals. Electronic telephones also contain transistors which can amplify the signals that are detected by the rectifiers. The antenna for this unwitting radio receiver is the telephone wire in the attic of the building where the phone is located. The wires between the telephone and the wall outlet can also serve as an antenna. The overall effect is that people who live near an AM radio station may hear music over their telephones. Persons living near airports may hear pilots talking with the control tower. Those who live near an amateur radio station may hear unintelligible speech in their telephones.

There is a considerable variation in RFI susceptibility between different models of telephones from the same manufacturer. I don't know of any brand that is RF-proof without adding an RF filter or filters. Unfortunately, a few models of telephones are very susceptible to RFI and are

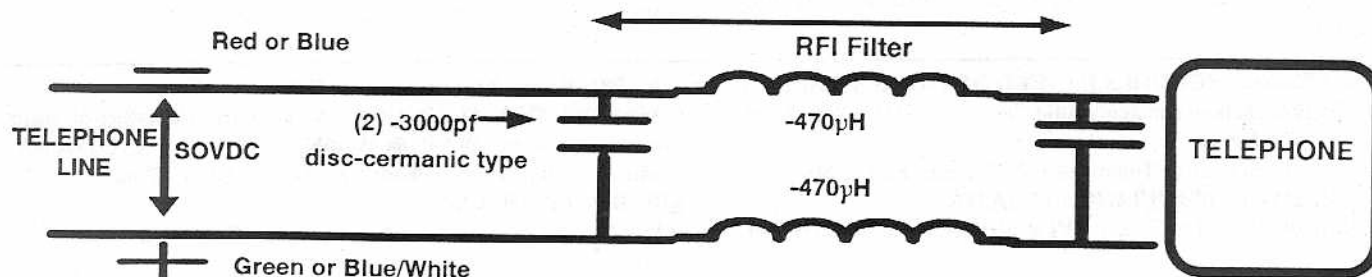
virtually impossible to RF-proof. A telephone filter will perform best if it is placed inside the telephone. If the telephone's input modular socket is wired to a printed circuit board it will be necessary to cut the two traces on the circuit board. The filter is usually installed on the foil side of the board. If you would prefer to install the RF-filter outside the telephone, here's how:

The filter can be installed inside a double-female modular cord coupler. The coupler is made of two halves that are cemented together. The halves can be pried apart with a knife. The filter goes in series with the red and green wires. The halves of the coupler/filter are re-cemented with styrene or ABS plastic cement. The coupler/filter is connected to the telephone with a 4 to 8 inch double male modular cord. A short cord is better because the longer the cord, the better the antenna.

Some pulse-dialing electronic telephones won't tolerate much capacitance across the telephone line. In such cases, the capacitors may be omitted. Wall mounted telephones, and other telephones that use a short cord, can usually be RF-proofed by installing an RFI-filter in the wall outlet. A pair of 470 μ H inductances work on common-mode RFI. Sometimes, it may be necessary to

use two inductors in series, per filter leg, in order to stop the RF from entering the phone. One possible way to test for such a telephone is to see if it can detect the presence of RF WITHOUT being plugged in! If this is the case, the problem is internal and an external RFI filter is not going to help. Since it is possible for one RF-sensitive phone to cause secondary interference to all of the other telephones on the same line, it is advisable to test each telephone individually for RF susceptibility with all the other telephones unplugged from the line. This approach will help sort out the telephones that need help from the ones that are OK. This test should be repeated on each offending telephone after RFI filtering is installed.

Princess and Trimline telephones are usually more difficult to RF-proof because the ringer is in the base unit, the dialing circuit is in the handset, and they're connected by a coiled cord which can act as a loading coil and antenna. Thus it may be necessary to install a filter on the telephone line input wires near the modular socket on the base unit, and install another filter in the handset. Desk type telephones, in which the dialing and ringer circuits are in the same enclosure are usually easier to RF-proof.



Passed along by...

Jim Roberts, N6XTJ

Date: 27 Jan 91 21:58
From: AA6YD@N6EEG
To: WARNIN@ALLUS
Subject: FCC-Desert Storm Warning

From: AA6YD via NCDXPSN [node
W6OTC NorCA DX Packet Cluster]
Date: 27-Jan 0657Z
Subj: FCC-Desert Storm Warning

I have it on good authority that the FCC has been asked to -- and will -- crack-down on amateur radio operators who are in technical violation of Sec. 605 of the Federal Comms Act, ECPA, etc. in regard to passing out 'sensitive' frequencies in use by allied military forces or Operation Desert Storm communications, and/or making somewhat specific references to communications overheard.

At least in my area (Michigan), many ham/SWLs tune around HF, & if/when they find interesting military traffic, they'll alert other ham/SWLs via a local repeater.

Also, the newsmedia has been actively seeking --and receiving-- reports from communications monitors about Desert Storm radio traffic.

I do not know this for a fact, but I understand that 'well-known' ham/monitor/editor Tom Kneitel (K2AES) recently had charges brought against him in regards to mentioning active Desert Storm related military frequencies to other individuals, via a ham radio repeater.

While certainly the military needs to improve their Signal Security, and certainly we have the right to monitor, we are currently at WAR, and we all should be at least somewhat familiar with the provisions of the various communications acts. Tim Tyler

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Passed along by...

Tom Thomas, WA6PFA

Baghdad Radio: 9515 KHz English broadcast to North America 5:30 PM to 7:30 PM daily (sometimes including "Baghdad Betty")

Kuwait Radio: 13610 kHz English broadcast 10:00 AM

Voice of Isreal: 4:00 PM, 5:00 PM, 6:00 PM 11605 kHz, 12077 kHz or 15615 kHz English for North America. At 3:00 AM a midday broadcast (Isreal time) 11585 kHz is scheduled.

Radio Cairo: From Egypt, 90 min to North America 6:00 PM 9475 kHz and 9675 kHz

BBC: Hundreds off broadcasts daily - BBC World Service 9590 khz from 4:30 PM to 6:30 PM. Other BBC 5965 kHz, 9590 kHz and 11775 kHz.

Radio Moscow: English (try after dark) 9720 kHz, 9895 kHz, 12050 kHz, 17720 kHz and 17700 kHz.

NOTE: All times are Eastern Standard Time. Subtract 3 hours for local times.

Xtra Quiet Radio

Nancy Bucher, N6XQR

Just a few notes from your *RF* Editor. I am now up on packet. I have a mailbox on the LABBS (K6VE) and can take your articles or comments from there. If I am just monitoring, I can usually be found on 144.390 but the computer I use has other tasks to perform and so does the radio! I am using Packet Gold software and find it to be extremely good. More on that in a future month. I can also accept your articles by fax (call me for the number), by mail at 8670D Meadowbrook Ave., Garden Grove, CA 92644 or by modem. I would appreciate it if all submissions were available to me by the **Monday night after the Board Breakfast**. Thanks to all the contributors... and also thanks to those folks who have been helping me with packet!
de Nancy, N6XQR

A Simple VHF Antenna Mount

Larry Beilin, K6VDP

The easiest way to roof mount VHF vertical antennas is on a short mast attached to a roof vent pipe. However, two of my vent pipes already have antennas on them, and the rest of the vent pipes are not convenient.

I wanted a mount which could be attached to my house anywhere I wanted and which would not put holes in the roof.

I built two mounts for my 2 meter and 220 Ringo Rangers using 1 inch galvanized water pipe parts. I assembled a floor flange, 3" pipe, a 90 degree elbow, and an 8" pipe in a vise so the joints would be very tight. I then mounted the assembly to the face board of my house with the 8" pipe pointing up. I drilled and tapped a 1/4x20 hole near the top of the vertical stub. The antenna was mounted on an 8 foot piece of 1 3/8" OD aluminum tubing which was then slipped over the water pipe and screwed down. The same procedure was used for the 220 antenna. Both antennas have survived some pretty high winds with no damage and no guys.

Note that the exposed pipe threads are not galvanized and must be coated with RTV or paint to prevent rusting.

Jerry Davis, KC6MTH

President of Audiotek

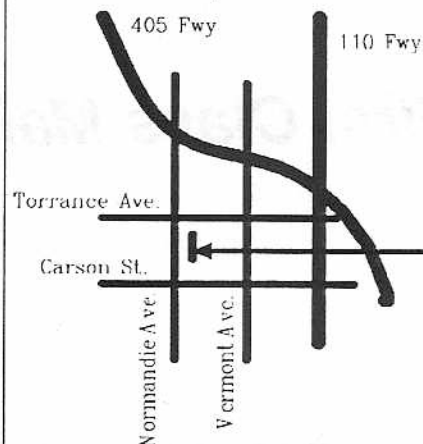
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CLUB FUNCTIONS

MONTHLY MEETING: 3rd Friday of each month, 7:30PM at SECURITY NATIONAL BANK
Feb. 15th 1095 Irvine Blvd. (4th St. becomes Irvine)
Tustin, CA. Talk-in on 146.55 MHz
Mar. 15th
Apr. 19th (Take the 4th St. exit of the 55 Freeway
and head east. Continue past Newport Blvd.
about two blocks. It's on the left.)

CLUB BREAKFAST: 1st Saturday of each month, 8:00AM at DENNY'S Resturant
Mar. 2nd 2314 E. Seventeenth Street Santa Ana, CA. (714) 543-0872
Apr. 6th (Second bldg. west of the 55 Freeway)

CLUB NETS

| BAND | MODE | DAY | LOCAL TIME | FREQ MHz | SPLIT | PL | OPERATOR |
|-----------|------|-----|------------|----------|-------|----|----------|
| 2 Meters | FM | Wed | 2030 hrs. | 146.550 | splx | na | WB6IXN |
| 15 Meters | SSB | Wed | 2000 hrs. | 21.375* | splx | na | W6HHC |
| 15 Meters | CW | Thu | 2000 hrs. | 21.175* | splx | na | ?????? |

(Listen for W6ZE, net control) *Plus or minus QRM

ARES DISTRICT NETS

| | | | | | | | |
|----------|----|-----|------------|---------|------|----|---------|
| 2 Meters | FM | Mon | 1900 hrs. | 145.220 | -600 | 1A | N6HQI 1 |
| 2 Meters | FM | Mon | ~1915 hrs. | 145.340 | -600 | 4Z | K6KAA 2 |
| 2 Meters | FM | Mon | 1930 hrs. | noted | splx | na | noted 3 |

1 - ARES Info net.

2 - ARES District 3 net starts after info net is completed (Usually about 1915 hrs).

3 - City Nets: Orange - 146.535 WB6FCP; Tustin - 146.505 WA6VKZ; Santa Ana - 147.585 W6HHC

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