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ORANGE COUNTY AMATEUR RADIO CLUB

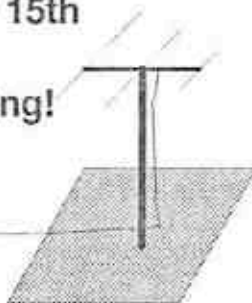
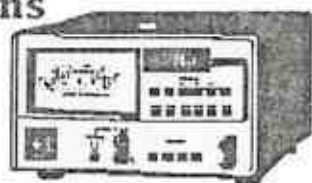
VOL. XXXII NO. 11

P.O. BOX 3454, TUSTIN, CA 92681

NOVEMBER, 1991

Our Speaker:
Skipper, KC6WJJ
Communications
with 911 and
Emergency
Situations!

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



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

First, I would like to thank everyone who helped make our OCARC Auction a success this year. There is quite a bit of work involved in organizing that event. Special thanks to Tom / WA6PFA, Frank / WA6VKZ, Bud / WA6VPP, Cindy / KC6OPI, Bob / AF6C, and Jim / N6XTJ for their efforts during the auction. After all the dust settles, it looks like we will make about \$100 from the effort and had a lot fun while we were doing it.

Second, I want to remind you that the election of new officers for 1992 will be held at the November OCARC meeting. Nancy / N6XQR, this year's NOMINATION COMMITTEE Chairperson, reported at the November Board Meeting that many people had volunteered this year for the various positions. I think that it is really great that we have so many people interested in helping to organize the OCARC for 1992. The full slate of candidates that have been se-

lected by the NOMINATION COMMITTEE is published elsewhere in the RF newsletter, this month. Don't forget that if your name did not make it to the nominations slate from the BOARD, then you can still be nominated from the floor during the OCARC elections at the meeting.

Finally, the November issue of QST published the official results of the 1991 FIELD DAY contest. The OCARC did terrific in this year's FIELD DAY! In the 6A class, we placed 5th in the nation and placed 2nd in California. Only the Northrup club working with the Don Wallace (W6AM) Museum Society could beat us in California...and then only by 40 points! Congrats to all our FIELD DAY TEAM CAPTAINS out there who made this possible. A complete listing comparing the FD results of most of the local clubs is printed elsewhere in this month's copy of RF.

Saturday, November 30th -Remote base holiday party! Meet at Electronic Times in Fountain Valley at 9:45 AM, caravan to tour of remote base, then over to luncheon at the Countryside Inn near O.C. Airport for Mexican Buffet at 11:30 AM - tickets for \$9.00 (including gratuity) available at Electronic Times. Talk-in on 144.330. All are welcome. If you cannot buy your ticket in advance, call David, WA6TWF at (714) 535-5528.

OCARC HOLIDAY PARTY - SUNDAY, DEC. 8TH at the Officers Club at our Field Day site (Tustin Marine Lighter Than Air Base). Contact Bob, KD6BWH at (714) 534-2995 or Bob, KC6WWP at (714) 776-8486 or Carmine, KC6WTY at (714) 837-5133 and let them know how many are in your party. YLs bring an inexpensive gift for a YL and OMs bring an inexpensive gift for an OM. Buffet dinner (wine available). Arrive 5:30 PM, dinner at 6:30 PM.

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MORE DETAILS ABOUT THE HOLIDAY PARTY WILL BE ANNOUNCED AT THE NOVEMBER GENERAL MEETING AND ON THE NETS - especially the Thursday night CW net.....

OCARC Ham Awareness and Mini Field Day a Fun Success!

On October 19, 1991, the OCARC held a mini Field Day / Ham Awareness Day at three sites: Fountain Valley in front of Electronic Times, Tustin at Pinetree Park, and in Torrance in front of Audioteck. The project was directed by Frank, WA6VKZ.

Fountain Valley - by Carmine, KC6WTY
Our site was run by Cindy KC6OPI, Bob KC6WWP, and Carmine KC6WTY. We set up a Kenwood 520 HF rig, Kenwood 941 and various handheld HTs covering the HF, VHF, and UHF spectrum. Cindy worked the HF rig on 10 and 15 meters, QSOing with Kodiak Island (Coast Guard), a Boy Scout promotion in Kentucky and other contacts of interest. Bob and Carmine worked the 2 meter and 440 bands, keeping contact with the other sites. At the same time, they also gave students in a novice/tech class being taught at Electronic Times, a chance to use the UHF bands (third party, of course!) to show them the fun and use of ham radio.

Fred KC6JUP stopped by with his daughter, Stacy KC6JVJ who made her first 10 meter contact with encouragement from Nancy, N6XQR who was spotting more operators for her all YL 20 meter phone Field Day station.

We would like to thank Electronic Times for donating the use of the Kenwood 520 with all the hardware and antennas, and Michael KC6VTC and Bob AB6CH for their help and use of the store site.

Pinetree Park - by Frank, WA6VKZ
Arrived on site at 9:00 AM to help Mike K6KAA with the annual S.E.T. Mike worked 2 meters, 440 and 10 meters. Prior to 10:00 AM Tom WA6PFA and cohort Bud WA6VPP arrived and set up Tom's ATV station.

Bruce KC6DLA arrived along with his portable/mobile packet station. WA6VKZ set up portable HF station. Attempted to

work 10 meters with KK6YO with negative results, attempted to work 40 meters with KK6YO and had 1/2 a QSO - heard him but didn't work him. Attempted 2 m packet with N6XTJ through various nodes with negative results.

WA6PFA worked several ATV stations through the WA6SUT repeater on Santiago Peak. Visitors to our location were introduced to ATV operators via camera and audio.

Torrance - by Linda, KC6VHY
Operators at the site included Jim N6XTJ, Don KC6ONZ, Brad AB6FD, Doug KC6ITT, Art KC6YHU, Jimmy KC6ZUO, Gary KC6ZUN, Jerry KK6YO, and Linda KC6VHY.

440, packet and 10 meter stations were all active at the site. Visitors stopped by and were introduced to ham radio by the operators and a good time was had by all.

1991 CLUB BOARD of DIRECTORS

President	Ken Konechy	W6IHC	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	527-2779
Refreshments	Cindy Hughes	KC6OPI	971-3448

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.



Upgrade Testing with
Nancy, N6XQR and Cindy, KC6OPI
and other friendly W5YI VEs

November 17th, Fountain Valley
Call Bob, AB6CH
(714) 375-9388

December 15th, Irvine
Call Gordo, WB6NOA
(714) 549-5000

Register with Site Sponsor, bring ID,
original and copy of license and any
CSCEs and \$5.25 test fee.

On the Nets - October, 1991

by Bob Evans, WB6IXN

10/2 15m phone net - W6ZE/AF6C checks in NGO, RND, IXN, QW, and KAA. IXN asks abt that 'renegade repeater' on 2m! NGO upgrades the rig in the heat. RND & XYL visit family in Utah & return home via Bullhead City as John thinks abt the last time the rig was on Sept. 25! Undaunted by the heat, QW works Sierra Leon, W. Afr., & the Faulkland Is., too, as Rolf prepares to 'cool off' in Germany fer 10 days while visiting family. KAA still has lots of control cable fer ant. rotators, etc. Call Mike if you need some! IXN & AF6C listen as the Angels lose once more..Oh well...there's always next year!

10/2 2m phone net - W6ZE/IXN checks in ZH, TAM, KAA, NG7D, RE, XTJ, ESD, RND, VDP, QW, & XQR. ZH & TAM bask in airconditioned glory as KAA gets back frm a sandwich & tells OPs to check wid him on the 6 to 8 strand control cable, urs fer the asking! Solar flares ruins NG7D's QRP as John receives his new 4 marker RF generator kit fer tuning the QRP rigs. RE warns KAA to protect the 'radio farm' in the truck to keep the various rigs frm developing legs & walking away! Insulated ceilings & thermal drapes protect Alex & XYL frm solar punishment! XTJ is now in Long Beach after the weekend move frm Glendale! IXN reflects on friends who have had kinks in their intestines as ESD tells OPs that the XYL is experiencing similar difficulties! VDP picks up a pre-amp fer the 6m rig at TRW, & puts up an inverted 'V' fer 20m. Newline booms in at QW's QTH as Rolf prepares to travel to Big Bear Fri. XQR, eyes itching frm the smog, supervises the painting of the coax lead-ins by the 'Town House' painters! Upgrading anyone?!..Call Bob Gregg, AB6CH, 375-0387, & get registered fer a testing session!

10/3 15m CW net - RND, IXN & JPG meet informally. IXN solves electrical problems at the Church & JPG has a ball on 40m SSB QRP wid Australia his latest catch! RND & XYL plan to travel to Conn. & points East as the RNDs visit family, & John catches up on QST mag. reading! Incidentally, JPG wields a mean straight key!

10/9 15m phone net - W6ZE/AF6C checks in IXN, XTJ, HHC, XQR, QW, and WTY. IXN motors the 7400-A to Kenwood fer repairs. XTJ can hear all OPs now that he has moved south! HHC, having put the finishing touches on the tower & rotor system, amuses himself with his 'TETRUS' game! QW, finding the bands wide open, gets Zone 2 (Labrador) on 15m! XQR has gud copy on QW, but can't hear Carmine, WTY. WTY, in Mission Viejo, hears HHC, QW, & ZE easily.

10/9 2m phone net - W6ZE/IXN checks in ZH, XQR, VPP, QW, NG7D, RE, AF6C, XTJ, WTY, VDP, XBJ, OPI, & DLA. ZH & TAM trek off to Julian to get apples, get interviewed by a San Diego reporter, & will have their pix in a SD newspaper! And Chris works Albania, ZA1ZX, & QW says only ZA1A is acceptable fer DXCC at present. And, wid 100 countries confirmed, QW adds another sticker to the DXCC certificate! And NG7D cooks up a new recipe!..Sauteed resistors liberally sprinkled wid boiled capacitors ala melted ICs fer a topping as John 'pours the juice' to his new marker generator! IXN will hve a much lighter wallet after his

trip to pick up the rig at Kenwood tomorrow! RE & XYL are a bit uncomfortable as the QTH insulation fails to keep out all of the sizzling heat! Undeterred, Alex tells OPs that Bangladesh has joined the amateur community wid 1st issued call signs: S21A & S21B. RE airs an excellent Newline! AF6C alerts OPs of upcoming North O.C. Computer Swap Meet this Sat. As VPP talks, IXN is interrupted by fast moving 'black & whites' wid sirens, just outside the QTH! QW runs into CC&Rs wid a neighbor in Big Bear! Rolf will make some ant. changes after his upcoming trip to Germany. XQR gets things back in order after QTH painting (inc. the coax!). And Nancy & OPI & WTY all participate in emergency traffic when XQR & OPI observe an accident on the 22 Freeway! XTJ & XBJ can be separated phonetically, or by handles! Steve gets a QSL frm Panama. VDP, on 146.52 simplex, wrks Port Wyneme & San Diego in a 3-way go-around! And Larry experiments wid a G5RV ant. The dog 'wears out' DLA, & Bruce is bk in the shack as he tells OPs that a work contract has been cancelled & that he may join the 'retired OPs' soon! WTY experiences problems wid CC&Rs too! Let us know your progress wid these problems, OPs!

10/10 15m CW net - Net is informal..No net control! JPG, IXN & NG7D go 'round & round'! Clark & John hve a common interest..QRP! IXN listens while John & Clark plan to meet, and TKO, Clark's XYL, calls him frm the rig!

10/16 15m phone net - W6ZE/AF6C checks in NGO, IXN, K0KOP (George, Burlington, IA.), HHC, XTJ, KAA, & COJ. IXN has a switching diode & a Driver Transistor replaced in the 4700-A. Kei is weak at IXN's QTH, & NGO has slightly high SWR. HHC & AF6C copy KOP loud & clear, & Ken plans early 'retirement' tonite after his management class in LA! XTJ doesn't copy net OPs too well, & KAA is collecting items fer the Auction Fri. eve. COJ visits Dave Floyd, former local OP, in Nevada, & COJ will have menus fer the XMAS party at Nov. meeting.

10/16 2m phone net - W6ZE/IXN checks in NG7D, OPI, RE, BPX, XTJ, ZH, TAM, PFA, KAA, WWP, VDP, XBJ, DLA, YZG, ESD, XQR, & VPP. NG7D, picking up a flu shot, plans to attend the Auction wid VES. BPX & Blanche get home frm Texas at 11:00 am today, wid the shoulder holding up gud under the travel! OPI fiendishly attires WTY's BD cake wid trick candles, & Carmine huffs & puffs but the candles wudn't go out! RE & XYL keep cool over the hot days, Alex trimming a Spanish palm..Now the refuse man must handle those 'little hooks'! Alex informs OPs of this Sat.'s Bikeathon, & the Boy Scout Jamboree of the Air, before airing an interesting Newline! XTJ gets up a couple of ants. & booms in at IXN's QTH. Ho..Hum! Tireless DX fer ZH bags Jamaica, Colombia, Wake Is., Togo, a UL7..to name a few! And TAM provides apple cobbler for ZH's energy needs (which Chris can't resist)! PFA makes a tape of the OCA's ATV link to Chapman College frm the Anza Observatory site, which OPs can view fer the asking! And Tom experiences brake troubles (on the auto, of course)! Hve you ever heard of a mobile unit papered wid

Continued on Page 4

On the Nets - October, 1991 (Continued)

rigs?!..Well, KAA has 7 in the truck, & growing. Mike also announces a Simulated Emergency test fer Sat. (flood prep. fer Orange County) involving ARES Dist. 3. WWP tnx OPI & XQR fer a job well done at the VE exams last Sun., wid over 90 people present. XQR announced 75 upgrades & 24 partial upgrades & failures fer the session. VPP doesn't like performance of the window ant., operating mobile, & Bud has ordered ATV equipment. KAA relinquishes roasting duties to VDP as Larry journeys off to 99 deg. heat in Bakersfield fer a wedding! Larry thought of all the ants., rigs & gear he cud buy wid the money invested in those umbrellas along the grapevine! XBJ & family, enjoying the cooler WX, visit parents in Riverside this last weekend, & DLA & the dog are both worn out after a walk. Bruce tells OPs his job has been spared, so no retirement just yet! YZG still 'practices medicine' wid the sawbones as they attempt to solve Lu's paralysis problems in the arms & 'phalanges of the anterior digits'! ESD's XYL is undergoing oxygen treatment fer a healing problem wid open wounds, & between washing dishes, Bob continues DXing wid Albania, & Tripoli (Libya).

10/17 15m CW net - IXN arrives on freq. late after writing up 'Net News' fer 2m. XQR is standing by & we talk abt the upcoming auction, to be followed by a landline to continue the discussion.

10/23 2m phone net - W6ZE/IXN checks in checks in XTJ, RE, VPP, NG7D, ZAU, VDP, BWO, HHC, ESD, ZH, XQR, & OPI. IXN loses his Oct. copy of 'RF'. XTJ & IXN don't hear any 15m net, & Jim continues unpacking frm his recent move. RE airs an interesting Newline & tells OPs abt the proposed Engineering Sciences Qualification Act affecting future FCC members. VPP, PFA, VKZ, KAA, XQY...and numerous other Club members show up and participate at National Awareness Day activities at Bryan Park. NG7D will call WTY after procuring the phone number frm XQR. A small event on the Newport Inglewood fault rolls through as ZAU discusses upcoming testing wid VE, N6XQR. VDP 'tucks away' two Argentine contacts on 6m as he contemplates a VUCC award! HHC is 'bushed' after attending a large computer show in Las Vegas. ESD gets a QSL card frm Rodriguez Is., & XQR is vly plsed to have VDP join the VE team! ZH walks the treadmill at Kaiser to check the condition of his 'ticker' as he & TAM prepare fer a H.S. Reunion bk East. OPI & XQR are both 'lefties'! Hm!..What abt VDP! ONZ gives OPI 'that look' as Cindy talks abt Don's code practice! KD6BWO 'flies in & flies out'!

10/24 15m CW net - Net is informal, and IXN tries to fool XQR wid an old ARRL bulletin. But Nancy copies all & gives IXN his 'come-upins', telling Bob that she likes his moron jokes better! XQR was NOT at Bryan Park fer NAD activities...She was VE testing instead!

10/30 15m net - W6ZE/AF6C checks in NGO, IXN, QW, YZG, RND, HHC, & XTJ. High QRN tonite! IXN hears all OPs FB. NGO has high SWR, but IXN hears Kei better than ever, as Kei gets all the pieces cut fer the new Club tower. QW has a 'perfect' vacation in Germany..Fine beer..Fine food..Oh well, back to the drudgery, Rolf! All of the modern miracles of medical science

have failed to find the cause of YZG's 'numbing problem' as medics continue to 'practice' on Lu! RND doesn't hear IXN or QW too well, & HHC announces that OCARC ranks 2nd in CA, & 5th in the Nation, fer FD! Congrats, OPs! XTJ wants a repeat on Ken's announcement, & Jim has weak sigs at IXN's QTH.

10/30 2m phone net - W6ZE/IXN checks in ZH & TAM, BPX, XTJ, HHC, RND, XQR, RE, VDP, PFA, QW, VLA, WTY, & OPI. ZH & TAM carve a pumpkin as they get ready fer ghosts & goblins tommorrow nite! BPX shelters himself frm the SA winds indoors. XTJ goes on a 300+ mile T-Hunt..Wow! HHC proudly announces FD results as OPs relish in the glory! Like ZH, RND goes bk East to attend a HS reunion & visit a brother & sisters. XQR buries herself in oblivion as she 'plays radio' over the weekend in the World Wide DX Contest, making 50 contacts on 10, 15, & 20m, including China. RE chases G-can lids in the SA winds! And Alex announces the upcoming Marathon wid ATV coverage, & Ralph airs Newline. VDP enjoys a gud 6m opening yesterday, & Larry plans a new 2m, & a 6m beam ants. in the near future. SA winds louse up PFA's just-cleaned swimming pool wid some gusts at 36 mph. Tom & VPP will cover the upcoming Marathon wid 6 ATV camera locations thru the Santiago repeater. While on vacation, QW discovers a Belgium OP & a Russian OP and both spoke perfect German. Rolf eyeballs wid DL5BT, experiencing rain, icy cold wind & 8 deg. Celsius temps. while in Germany. VLA copies all but Carmine, & picks up XQR fer the first time. Bruce plans a winter trip thru Donner Pass this winter on Amtrak. WTY's planter takes a beating in the SA winds as Carmine works So. American & Canadian stations on 15m over the weekend. Now Carmine will investigate a 40m power amplifier under construction by an engineer friend. ONZ takes down a sunscreen before the SA winds do! And OPI tnx XQR fer helping wid the 10m station. Now Cindy will express her 'other personality' as she dresses up to go hal-loweening wid her harmonics tomorrow!

TO THE YL'S OF 20 METER PHONE de N6XQR



From March, 1964 QST
with THANKS to Fried Heyn, WA6WZO

Minutes of OCARC General Meeting October 18, 1991

A short special business meeting was called to order by President Ken Konechy at 7:33 PM. Officers present were Ken-K6HHC, Mike-K6KAA, Bruce-KC6DLA, Bill-N6VMS, Tom-WA6PFA, Bob-AF6C, John-KJ6TK, Larry-K6VDP, Frank-WA6VKZ and Chris-KJ6ZH. There were 65 members and guests present.

Towers - A motion was made and passed to authorized Kei, W6NGO, to purchase material for the construction of a new tower.

Meeting was adjourned 7:44 PM and the annual October club auction was successfully held. Respectfully submitted, KC6DLA, Bruce Creager - Secretary

Minutes of OCARC Board Meeting November 2, 1991

Meeting called to order by President Ken Konechy at 9:20 AM. Officers present were Ken-W6HHC, Bruce-KC6DLA, Bill-N6VMS, Tom-WA6PFA, Larry-K6VDP, Frank-WA6VKZ and Chris-KJ6ZH. There were 25 members and guests present.

Future Programs - November - One of our own members Skipper, KC6WJJ, will be our speaker. Skipper is a member of the Orange police force and will be speaking on HAMS communications in police emergencies.; December - No meeting. Christmas party on December 8th.

Treasurer's Report - The final accounting for the auction has not been made. It is estimated that the club will make between \$85 and \$144.

Amateur Radio Awareness Day - was successfully held on October 19th in Tustin, Torrance and Fountain Valley. Demonstration contacts were made between the three locations and also some longer distance HF contacts.

Elections - The nominating committee reported that they have a complete slate of officers to present to the club. The slate will be published in the RF. Election will be held at the November meeting.

Towers - Construction by Kei, W6NGO, is going well. A tower raising party will be held to test the towers when they are completed.

Christmas Party - Christmas party will be held at the Officer's Club at the Tustin Lighter Than Air base. A motion was made by Frank, WA6VKZ, to recommend that the club buy Christmas gifts for children under 12 years of age. The motion was seconded and passed. The recommendation will be presented to the general membership at the November meeting. It was also agreed that there would be an adult gift exchange between members. Reservations can be made by contacting Carmine Fiorello, KC6WTY, Bob Buss, KD6BWH, or Bob Schnabel, KC6WWP.

NewsLine - A motion was made and passed to recommend that the club contribute \$50 to NewsLine.

Meeting was adjourned 10 AM.
Respectfully submitted, KC6DLA, Bruce Creager - Secretary

DX Notes (from Q5 Downey ARC newsletter) by Mike Gauthier, K6ICS

In the absence of major flares, look for good daytime openings on 10 and 12 meters, excellent signals on 15 and 17 meters, including some late at night, and excellent dawn and early evening openings on 20, including the westward longpath openings that begin an hour or so before local dawn. Low-band propagation will improve, but remain marginal. Try 80 meters when the K index drops to 2 or less.

ZA ALBANIA - Watch for new stations on the air. Current lists indicate the following stations are now operating: ZA1HA, ZA1QA, ZA1ZXV, ZA1ZMX, ZA1ZVX, ZA1DX, and ZA1TAA through ZA1TAL. When the band is open to I, YU, and LZ, you should also hear ZA if they are on the air. NOTE: ZA1A is now off the air.

ZD8 ASCENSION ISLAND - ZD8Z will be operating October 22 through November 5. QSL to N6TJ.

9M6 EASTERN MALAYSIA - 9M6NA will operate from LABUAN ISLAND, IOTA (Islands on the Air) number OC (Oceania) -133 from November 20-25. He has a 40 meter beam. Also look for him on 160 CW transmitting on 1806 or 1826 khz. QSL via JE1JKL.

VS6 HONG KONG - VS6/GU4XGG will be on the air October 18 - December 5.

D2 ANGOLA - D2ACA will be operated by UT3UY during November and December. Exact dates are unknown at this time. NOTE: The recent operations by D2/UT4UM and D2/RT5UY were not licensed and will not count for DXCC.

5V TOGO - 5V7JG, Gerard, is operational till mid December. QSL via F2JG.

Thanks to *QRZ DX* and *DX BULLETIN* for the above reports.

Gordon West Radio School, Inc.

● No-Code Technician Class

DECEMBER 13, 14, 15

ICOM Service Facility, Irvine, CA

INFO LINE (714) 434-0666

REGISTER (714) 549-5000

Nominating Committee's Slate for 1992 Board of Directors

by Nancy Bucher, N6XQR - Nominating Committee Chairperson

The Nominating Committee has the agreement of the following people to place their names in nomination for the 1992 Board of Directors of the Orange County Amateur Radio Club. Other members who wish to run for a position on the Board of Directors may be nominated from the floor at the November General Meeting.

President	Frank Smith	WA6VKZ
Vice President	Bob Eckweiler	AF6C
Secretary	Jane Breller	KC6TAM
Treasurer	Carmine Fiorello	KC6WTY
Activities	Bob Schnabel	KC6WWP
Membership	Bob Buss	KD6BWH
Public Relations	Cindy Hughes	KC6OPI
TVI Chairman	Clark Turner	WA3JPG
Member at Large	Ken Konechy	W6HHC
Member at Large	Mike Abreu	K6KAA

Frank, WA6VKZ, is currently on the Board as Member at Large. In 1981 and 1986, Frank served as President of the Club. This year he was OCARC's Field Day Chairman (our GREAT results elsewhere in this issue) as well as organizing our recent Ham Awareness Day.

Bob, AF6C, is currently on the Board as Membership Chairman. Last year, Bob was Treasurer and served as President in 1973 and 1985. In addition to being the W6ZE Trustee, Bob has taken over as Net Control on our 15 meter phone net.

Jane, KC6TAM, got her Tech license this year but has been

absorbing RF for most of her life. She ran the UHF/VHF station at Field Day and in past years has provided refreshments for club meetings. This year she filled in for Bruce as Secretary when he was not available and also volunteered for committees such as the club audit.

Carmine, KC6WTY, is a new member this year. He got his Tech in July and has already upgraded to Advanced and become active on HF. Carmine is the Radio Officer for the Mission Viejo RACES. He is also interested in obtaining info on amateur satellites.

Bob, KC6WWP, also got his Tech in July and is working on his General code for his upgrade. Like Carmine, Bob has enthusiastically support the Club's functions since he became a member. Bob has joined the Anaheim RACES.

Bob, KD6BWH, is a new ham and a new member. He is excited about the prospect of using his computer to maintain the Club's membership roster and to get to know all of the members.

Cindy, KC6OPI, has been active with the Club this past year as Refreshment Chairperson with a lot of happy customers! She gets to keep that job for the next 9 years according to Jane, KC6TAM, who previously held the position. With her upgrade to Extra Class this year, Cindy became a Volunteer Examiner and finds time to volunteer with the Red Cross as well.

Clark, WA3JPG, has willingly volunteered for TVI Chairperson to allow him to expand his knowledge in this area of interest to him. He loves to operate QRP and is becoming one of the ARRL volunteer attorneys.

In accordance with the Club By-Laws, **Ken, W6HHC**, and **Mike, K6KAA**, automatically become Members at Large by virtue of holding President and Vice President positions respectively and not running for any other office on next year's Board.

Field Day Results for Local Area Clubs

Compiled by Ken Konechy, W6HHC

CALL	CLUB	CLASS	POINTS	QSOs	PLACE IN CALIF.
N6AW + KC6MWW	HUGHES FULLERTON ARC	3A	10,592	3,247	1
W6TRW	TRW/XEROX ARC	7A	10,412	3,325	1
K6AA + KA6AAA	UNITED ARC	5A	9,962	3,029	2
W6CN + N6YPJ	NORTHRUP RC & W6AM MUSEUM	6A	7,860	3,001	1
W6ZE + WA6PFA	ORANGE COUNTY ARC	6A	7,828	2,622	2
N6ME + KB6TIN	WARA	3A	6,884	2,288	4
W6TJ + KC6TFU	RIVERSIDE CO ARA	7A	5,442	1,873	2
WT6Y + KC6NTX	WEST COAST ARC	5A	5,336	1,836	3
W6TOI + N6MYX	DOWNEY ARC	3A	4,046	1,044	12
W6R0	ARA OF LONG BEACH	5A	2,550	853	9
NX6M + KB6EID	COMBINED ORANGE RACES	3A	2,176	579	23
W6ULI	FULLERTON RC	3A	2,160	620	24
WR6G + KC6MIL	MORENO VALLEY RA	3A	1,996	342	25
W6NVA + KB6GIT	JAARS	3A	1,828	525	26

Understanding and Identifying CATVI

by Jonathan Kramer, KD6MR

What and Where... ("Right where you DON'T want it!")

Cable television interference to amateur radio, usually abbreviated "CATVI," typically occurs on 2 meters and 220 Mhz. The usual frequencies are at or near 145.25 Mhz (cable channel 18[E]) and 223.25 Mhz (cable channel 24[K]). The interference is characterized by a constant "BUZZ" (the picture synch buzz) which gets stronger as you get closer to the cable leak.

Why... ("What could be simpler?")

CATVI happens when cable television transmissions leak out of system. The reasons for leakage usually fall into three general categories:

Leakage due to poor shielding... Until the early 80's, coaxial drop cables (which connect the output of the signal tap to the back of the set) employed a single layer of braided wire as the grounded shield. Some drop cables had less than 70% of the center conductor covered, hence, the leakage.

Leakage due to crack shields... The main trunk and distribution coaxial cables used in CATV are constructed with a copper-clad aluminum center conductor surrounded by a hardened foam. An aluminum tube forms the outside electrical shield. A plastic jacket is usually used to provide an environmental barrier. Unfortunately, aluminum expands and contracts as it is heated and cooled by day/night cycles. Radial ("ring") cracks can eventually develop at the point of maximum stress, usually at the back nut of a trunk/feeder connector. Leakage then occurs. Leakage can also occur if "smog" is permitted to erode unjacketed cables.

Leakage due to loose connectors and hardware... Another major source of signal leakage is loose connectors (commonly known as "F" connectors) on drop cables. Newer connectors have an integral sleeve to assist in shielding, but millions of older "2 piece" connectors are still out there, and are still being sold at the neighborhood electronics store. Also, if amplifier housings are not properly closed, or signal tap face plates are not tightened properly, leaks can occur.

Law of Reciprocity... ("We are not alone...")

Simply put, if you can hear them, they can hear you. Not only does the cracked cable or poor shielding emit leakage, it permits ingress. Ever wonder why your neighbors claim you cause that "@#S!" TVI on their channels 18 and/or 24? Now you know!

Depending on where the ingress point is, you could be causing beat patterns for hundreds or thousands of your neighbors! Whose responsibility is it? As long as you are operating "...a radio communication service operating in accordance with [the FCC rules]..." (i.e. Part 97 of the FCC rules), it is the cable operator's responsibility. But for the sake of your neighborly relations, world peace, and sanity, work with the cable operator to help them identify the leak! (Cable TV Rule 47 CFR §76.613)

Find It... ("Who 'ya gonna call? Cable-Busters!")

Dial up 145.25 Mhz (or 144.0 Mhz in "HRC" cable systems) on your handheld radio. Set your squelch to just close. As you get

closer to the leak, the squelch will break, the buzz will get louder, and the background noise will quiet down. Keep tightening the squelch as you get closer. When you can no longer squelch the radio, remove the antenna and then use the radio as a "near field" detector. Amaze your friends (and cable operator); sharpen your T-Hunting skills. When you've located the leak, or the approximate location, call your cable operator. While you can try to describe your highly technical problem to a friendly CSR, it's always better to speak directly with the "Technical Manager" or "Chief Technician." ALWAYS LOG THE DATE / TIME / NAMES WHEN YOU HAVE A CATVI CONTACT WITH THE CABLE OPERATOR. You'll never know when that log will be needed to substantiate your claim of interference.

Finally... ("Hey! Ya wanna use honey or vinegar?")

Cable TV operators really want to resolve service problems, especially CATVI signal leakage. It is usually just a matter of finding the "right person." As usual, develop your skills and resources, then share them with your fellow hams, and your cable TV operator!

Prepared by Jonathan L. Kramer, KD6MR, nationwide consultant to cities and counties on Cable TV. Also, contributing author on the new ARRL RFI Handbook to be published soon. Jonathan can be reached at Communications Support Corporation (714) 588-8888 or on CompuServe 73300,2161 (!GO BPFORUM) (Sec. 3, CATV/MMDS) Tell him you got his phone number in the RFI!

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CLUB FUNCTIONS

MONTHLY MEETING:	3rd Friday of each month, 7:30PM at REPUBLIC FEDERAL SAVINGS BANK
November 15th - ELECTIONS	2400 E. Seventeenth Street, Santa Ana, CA First building west of the 55 Freeway on Seventeenth St.
December 8th - BANQUET	Next to the Denny's Restaurant (see below) on the South side of the street.
January 17th	
CLUB BREAKFAST:	1st Saturday of each month, 8:00AM at DENNY'S Resturant
December 7th	2314 E. Seventeenth Street Santa Ana, CA (714) 543-0872
January 3rd	(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	smplx	na	WB6IXN
15 Meters	SSB	Wed	2000 hrs.	21.375*	smplx	na	AF6C
15 Meters	CW	Thu	2000 hrs.	21.175*	smplx	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	smplx	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 KK6QE; Santa Ana - 147.585 W6HHC

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