



# RF



ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXXIII NO. 4

P.O. BOX 3454, TUSTIN, CA 92681

APRIL, 1992

## Our Speaker: Catherine Deaton, FCC

Friday, April 17th  
7:30 PM  
is the next meeting!

**FCC Steps Up Computer Enforcement - Some Companies Heavily Fined!**  
From WSYI Report, April 1, 1992

According to reports, the FCC is seeing poor compliance with its certification rules by some vendors of personal computers. A survey last year found that more than half of the computers offered for sale did not have FCC certification.

The FCC's Baltimore field office has just mailed out 10,000 warning letters to computer builders and resellers in its region. Only three percent of 100 vendors at a Maryland computer show last January were selling equipment with the required FCC label -- and two of those vendors were later determined to have put phony information in the label.

The FCC can issue fines of \$25,000 per incident for selling uncertified PCs. The certification program is focused on preventing interference to telecommunications and broadcasting. Certification may be either Class A, for computers intended for use only in business locations, or the tighter tolerance Class B available for use in business or residential environments. In general, the Commission requires portable, laptop and notebook computers to pass Class B standards.

On March 17th, the FCC issued Notices of Apparent Liability - a Commission term for a monetary fine - against five computer companies. All, in the \$10,000 to \$15,000 range, went to distributors for marketing

Class B personal computers and peripherals which had not been granted authorization by the Commission. Three were found to be selling equipment at the 1991 COMDEX computer trade show.

While amateur radio operators may construct personal computers for their own use without going through the FCC's equipment authorization procedure, they may not be offered for sale to others - especially if they have capabilities exceeding those of amateur radio applications.

The FCC also issued an additional thirty \$8,000 NALs on the same day. Twenty-three went to Private Land Mobile (business band) licensees for failure to properly light antenna towers. The other seven were penalties for unlicensed operation of ship radio stations in the Maritime Mobile Radio Service.

| <i>In This Issue</i> ..... | <i>Page</i> |
|----------------------------|-------------|
| PREZ SEZ .....             | 2           |
| ACTIVITIES UPDATE .....    | 2           |
| NET NOTES .....            | 3/4         |
| MARCH MEETING MINUTES..    | 5           |
| APRIL BOARD MINUTES .....  | 5           |
| MOBILE INSTALLATION .....  | 6           |
| CA CALL HISTORY .....      | 7           |
| SCRAMBLED HAM .....        | 7           |
| VE TEST SCHEDULE .....     | 7           |
| ROSTER FOR MEMBERS         |             |

SATURDAY, APRIL 18, 8:00 AM  
Check out Breakfast, Ricky's, 10911 Westminster Ave., Garden Grove, (714) 539-7538 Talk-in on 146.550 simplex.

FRIDAY, SATURDAY, SUNDAY  
APRIL 24, 25, 26 - CAMPOUT  
Joshua Tree Nat'l Monument  
Black Rock Campground

FIELD DAY - SAT - SUN JUNE 27, 28

### FCC REPRESENTATIVE TO SPEAK AT THE APRIL MEETING

Catherine Deaton of the Los Angeles Federal Communications Commission office will be the guest speaker at our April OCARC meeting. I believe she will be showing a 20 minute video on the FCC and talk to us about the FCC and where amateur radio fits into their priorities. If time allows, there will be a question and answer period.

I met Catherine Deaton at a Douglas Aircraft Emergency Communications Team meeting some months back. She attended to discuss our use of amateur radio to support emergency preparedness at a commercial business. Her help was invaluable. I'm sure you will find her a very charming and knowledgeable speaker. Besides helping with the ECT, she discussed many areas the FCC handles: TVI and other electronic interference problems, jamming problems in general and cable TV, are just a few that come to mind. During the question and answer period, please remember that ham radio is just one small part of the FCC's large domain, and try to keep your questions general. Be sure to attend this meeting and, come early to get a good seat. de AF6C

## Prez Sez by Frank Smith, WA6VKZ

For all of those members who were lucky enough to have the time and energy to attend the Square Dance on Friday, March 27th, I have to extend a "WELL DONE!" to, among others, Skip, KC6WJJ, for the use of the facility; Bob, WB6IXN, for being the "Voice" and teacher of the dances and to the performing "Trio" for the music and a special tx to Nancy, N6XQR, for getting it all together.

Our monthly Breakfast meetings have become so popular that we have outgrown our present restaurant. Cindy, KC6OPI has found a restaurant that has more capacity. Saturday morning, April 18th at 8:00 AM those who would like to eat out will check out "Ricky's." Meet on 146.550 simplex for talk-in. If we can agree on Ricky's, we will change our breakfast meeting site.

The handheld by ICOM will go at the end of the April meeting (that's correct - this coming meeting.)

It is getting to be that time of the year again for some serious planning for Field Day.

Dave, W6COJ, has delivered our letter to the Marine Base requesting use of their facility for Field Day. We have some slots still open for station captains. More on this at the April, May and June meetings.

April 24, 25, and 26 will be our Campout at Joshua Tree National Monument. I believe that we have one vacancy caused by a cancellation. The campout promises to be a lot of fun and a little work if you want to upgrade. (Nancy will have her VE team there for upgrades.) We might even have the Lee from the Square Dance to augment our Saturday night campfire.

**Congratulations to the recent Upgrades!** My harmonic, **Suzie, KA6QVU**, Novice to Tech Plus and General Theory; **Bob, KC6WWP**, General to Advanced; **Anita, KD6BWQ**, passed General Theory; **Linda, KC6VHY**, from General to Extra; **DeWitt, KD6FHU**, from Tech to Advanced; **Barry, KC6ZUP**, to Tech Plus; **Dan, KD6FLP** to Tech Plus; New member - **Dick Speedy, KB6PPF**, to Tech Plus and to **Linda Buss, KD6HQP** on her new call.

## Activities Update

by Bob Schnabel, KC6WWP  
(with help from Anita,  
KD6BWQ)

Alaman Left, Promenade, Do-Si-Do. These are just a few steps that over 30 members and guests partook on Friday March 27th, at our first square dance event (which turned out to be quite a success!). All who attended had a grand time. The night was filled with laughter and fun.

Our special thanks to our host, Skipper, KC6WJJ, for obtaining the use of the room for the event. Also, a special thanks to Bob, WB6IXN, his brother, Lee and the band for their patience in teaching us first-timers the art of square dancing.

We've also received news that Lee and the band will provide entertainment for us at the Club Campout. A second square dance will take place later in the year. Details will be announced.

Don't forget the Club Campout is scheduled for April 24th thru 26th at Joshua Tree National Monument, Black Rock campground. All those with reservations owe \$10 to the Club for one night reservations plus \$5 per adult for food. (The food fee is waived if you have volunteered for a job. There are still a few jobs left.)

### GREAT NEWS!!!

The Special Raffle for the ICOM handheld will take place at our next Club meeting. Tickets are still available.

Again, sometime in April or May our next big raffle will be that of an AEA PK-232 with Pack Gold software. Ticket price will remain the same at one dollar each.

Any comments or suggestions of any sort will be taken into consideration.

73 Bob, KC6WWP

## 1992 CLUB BOARD of DIRECTORS

|                        |                        |              |              |
|------------------------|------------------------|--------------|--------------|
| President .....        | Frank Smith .....      | WA6VKZ ..... | 838-3180     |
| Vice President .....   | Bob Eckweiler .....    | AF6C .....   | 639-5074     |
| Secretary .....        | Jane Breller .....     | KC6TAM ..... | 213/866-2077 |
| Treasurer .....        | Carmine Fiorello ..... | AB6KE .....  | 837-5133     |
| Activities .....       | Bob Schnabel .....     | KC6WWP ..... | 776-8486     |
| Membership .....       | Bob Buss .....         | KD6BWH ..... | 534-2995     |
| Public Relations ..... | Cindy Hughes .....     | KC6OPI ..... | 971-3448     |
| T.V.I. Chairman .....  | Clark Turner .....     | WA3JPG ..... | 856-2131     |
| Member at Large .....  | Ken Konechy .....      | W6HHC .....  | 744-0217     |
| Member at Large .....  | Mike Abreu .....       | K6KAA .....  | 832-8503     |

### 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.

**FOR SALE!**  
10 Meter Mobile Rig  
Ranger 2950

\$190

Brad, AB6FD  
(310) 323-3112



## On the Nets - March, 1992 - by Bob Evans, WB6IXN

**3/4 15m phone net** - W6ZE/AF6C checks in NG7D, NGO, IXN, YZG, RND, XTJ, ESD, & QW. NG7D tells all that KD6XO, Bob, had a heart attack on Mon.! NGO & IXN both want to send the upcoming rain to the High Sierra! YZG meets Michelangelo in the form of a virus, & Lu doesn't think he'd enjoy the consequences! Lu cleaned the hard disk in the computer...just in case! RND wants all the rain he can get, and XTJ gets bk frm vacation. IXN loses Jim in the QRN! ESD, wid booming sigs, says 'Hi' to all. QW pilfers the XYL's aluminum foil, winds some around the pwr supply cable to the rig, grounds both ends, and solves the errant pwr supply problem! Now Rolf will go to Big Bear this weekend.

**3/4 2m phone net** - W6ZE/IXN has the largest check-in yet!..25! ZH & TAM, ESD, AF6C, JSV, VPP, NG7D, XTJ, HHC, RND, FLP, VDP, QW, RE, FHN, BWH, KAA, DBY, XQR, VKZ, EDK, WTY, OPI, FZE, & FHU! Congrats, OPs! ZH & TAM hve 101 countries confirmed for the DXCC! NG7D announces XO's heart attack, and AF6C is nominated to call XYL, Barbara, & bring us up to date. JSV operates the rig & Jeannie operates the 'Mac' computer, as Jim gives IXN info. on 'Hyperbible'. ESD, and other OPs, give NG7D gud sig rpts on the new 2m ant. And Bob thinks abt going to the Club April Campout as he tells OPs abt future DX wid the Clipperton & Sandwich Is. VPP copies all OPs armchair as he tells NG7D that John's sigs are no longer 'peanut whistles'! AF6C breaks in wid news frm Barbara: XO is in Hoag Memorial ICU. An angiogram & further tests will be run tomorrow, & Barb tnx NG7D fer alerting us. RE tells us that ARRL supports all Novice testing be done by qualified VEs, & Alex registers NG7D a Q5 before airing Newline. XTJ is recovering frm skiing & Nat. Park hopping in Colorado, although Jim did manage to work the Wisconsin QSO Party, mobile, on the way home. HHC is awed by the expense of connectors, coax, etc., as he puts 1.2GHz on the air! And RND makes an RF choke fer the ant. feed line. John transfers CW chores to IXN fer Thur. eve. FLP, FHN & FHU continue preparations fer their upcoming 'Four Corners of the U.S.' tour. They'll be motorcycle mobile, ofcourse! VDP tells OPs to avoid antenna ferrite baluns like the plague. And Larry hears NG7D loud & clear on the Ringo Ranger ant. QW sets up a sched wid VDP on the Big Bear rpt. QW & IXN hve both had experience wid induced HV discharge in the shack during thunderstorms! Now IXN grounds the ants. & pulls the plugs! VKZ 'flies in & flies out', & FHN upgrades his equipment & joins TWF's supersystem! BWH adds RND & motorhome to the Club's April Campout list. KAA journeys to Bakersfield last weekend but Mike misses the Voice of America tour to Delano to use the large ants! Wid the new 741 and a recently purchased 77 A, DBY goes 'book-nuts' trying to make sense out of all the buttons, 'bells & whistles', notwithstanding CW practice! XQR will sell 'Last Voice of Kuwait' tapes fer \$5 at Mar. Club meeting, and Nancy will pick up a mobile ant. frm XTJ fer 80m. EDK wisely learns to watch prices at a swap meet, and as fer computer viruses, Tom says, "Practice Safe Hex!" WTY says ant. plans fer AREC in Mission Viejo are progressing nicely, as Carmine garners VE8DR on Cornwall Is., & gets a QSL card, direct, frm mainland China. OPI reports rain in San Clemente as

she & FZE motor home, & we congratulate Cindy on her appointment as PIO officer fer ARRL! FHU hears a gud presentation at Dana Point by the head of the release team fer condors released in Cespe Valley. And DeWitt, FLP & FHN all study CW wid hopes of joining the Club CW net (make note, RND)!

**3/5 15m CW net** - Wid RND absent, IXN calls QNI. NT & XQR check in. Nancy discovers the purpose of the 'NB' button on the rig..When depressed, it cuts out the QRN..Let's hear it fer another button! Nancy also works on 'RF' & talks wid WJJ abt the upcoming square dance..Will AF6C & TWF attend!?! NT didn't join us on the 10m QSY experiment last net, but Ray will make up fer it next net. Wid 'Ma Bell' tugging at XQR's headphones, & Ray waiting to see if the WX man's call fer rain is correct, W6ZE/IXN QNFs the net.

**3/11 15m phone net** - W6ZE/AF6C checks in NGO, RND, IXN, YZG, XTJ, ZH, & ULU. NGO aids HHC wid the tower, & did we hear something abt a backache, Kei! RND returns frm refurbishing a motor home in Bishop. YZG looks over ancient chemistry taught in Germany before WWII, & Lu will try to get to Club meeting fer an eyeball wid us. IXN announces BPX, Wyatt, had a stroke on Monday. XTJ & all OPs wish Wyatt, and Bob, XO, well! ZH says all OPs' sigs are weak, wid IXN dwn in the mud! XTJ alerts IXN to a packet BB that lists earthquakes, & ULU enjoys daytime hamming, is enjoying retirement, & will delve into the world of DX!

**3/11 2m phone net** - W6ZE/IXN checks in ZH & TAM, XTJ, NG7D, XQR, RND, RE, VDP, QW, FHU, FHN, WWP, AF6C, FLP, PFA, HHC, & QE. FLP, HHC, & QE 'fly in & fly out'. ZH & TAM, NG7D, VDP, & QW all enjoy working DX to Clipperton Is! ZH says QSL mgr. fer Clipperton QSL is N7QQ. NG7D says XO had angioplasty & developed a blood clot in the leg. XTJ tells IXN that N6XQY has an earthquake listing on his packet BB. XQR finishes 'RF' & prepares fer a VE session this weekend in Irvine. And Nancy goes to jury duty, but not the Rodney King case, drat it! RND comments on the heavy snowpack in the high Sierra, DXes wid a 757 & a Hustler vert., working a V85 near Brunei. AF6C breaks in to tell OPs that flowers were sent to XO. RE tries out another rig fer Newline on IXN, ducks the raindrops while pulling the weeds, & airs an extra long, vy interesting Newline! VDP attends Club breakfast last Sat., & tells OPs that the Club 520 is suffering frm dirty switches! QW's 'media attack' on the street people appears to be paying off, & Rolf resets his digital clocks after discovering the present year is a leap year! FHU checks in frm art class, & he and FHN & FLP are still experimenting wid 2m ants. on the motorcycles. And Ray is planning an attack on CW wid upgrading in mind. PFA say 'Hi' to new neighbor HHC. Tom investigates the Computer Graphics Convention & tells OPs he worked Clipperton Is. 2 yrs ago on 10m.

**3/12 15m CW net** - W6ZE/RND checks in IXN & XQR. RND asks IXN abt BPX's progress. IXN calls Blanche & gets a gud rpt.! Wyatt is lucid & wants to go home. His speech is much better.

*Continued on Page 4*

## On the Nets - March, 1992 (Continued)

IXN gives RND the check-ins for last week, & John works Scotland & Sweden on 15 & 10m! XQR is excused from the jury & moves back into the pool, & Nancy says that BWH & WWP are attacking the code with upgrade in mind! Hm!..Two new OPs for CW net, John! IXN reminds all that tomorrow is Fri. the 13th! Will the Fri. the 13th computer virus strike you!?

**3/18 15m phone net** - IXN falls asleep at the rig! RND says W6ZE/AF6C checks in NGO, RND, PEQ, & XTJ. RND black-tops the driveway while NGO talks with the tuna boats. Hm!..What was XTJ doing all week?! And PEQ, Danny, has a TS 950 for sale! And RND says two fine young OPs QSY for the net! 'To meet, or not to meet', thinks Bob Eckweilspeare, as AF6C attempts to avoid overtime for Fri. meeting!

**3/18 2m phone net** - 'Ring..Ring' goes the landline! IXN is brought back to the 'land of the living' by NG7D's gentle voice on the other end! IXN flips the switch to find that acting NC, W6ZE/RND, has already checked in QW, RE, WWP, VDP, DBY, FHU, FHN, XQR, ESD, NG7D, TAM (Chris in bed), & IXN (finally!) NG7D alerts OPs of good buy on a heavy duty 12V power supply that he and WA6VES 'jumped on' at Target! QW works FOOCI on multiple bands, and, after two days of lawn mowing, RE airs an informative Newline: N5WQC will be the call of the ham station aboard the Mar. 23 Shuttle mission. And Alex reports on BPX's condition. Wyatt will be undergoing therapy to regain use of paralyzed limbs from recent stroke at Orangewood Convalescent Center. IXN's mike cord frays at the rig, requiring immediate surgery! Congrats to 'Advanced' WWP, as Bob announces only 4 spaces left for the April Campout! VDP busies himself with construction of a CMOS super keyer kit, with a brake job on the side. DBY listens quietly on the side in CM. Hm!..Will FHU, FHN, & DBY live handlebar, or thigh-mounted paddles for the motorcycle trip around the U.S.! IXN arrives too late to hear XTJ's comments, but do hear Abraham Lincoln Nancy think, "All my packet station is, or ever hopes to be, it owes to XTJ!" Wow!..ESD has 314 countries QSLed! And XQR reports that VKZ & WTY helped with novice testing at the weekend VE session. And congrats to all Club OPs who upgraded!

**3/19 15m CW net** - W6ZE/RND checked in IXN, NT, XQR, and NG7D/QRP. IXN joins NG7D & VES with an Innova 12v lead-acid battery from Target. And XQR will have to quit calling OPs by CW on landline!..That way, Nancy will be free for the Net!..Hi! And NT fires up the Keyboard especially for XQR only to have Nancy tell him his sigs are weak! And RND almost joined IXN, slipping off to slumberland just before net! NG7D operates with 3W from his Innova battery, with sigs heard by all!

**3/25 15m phone net** - W6ZE/AF6C checks in COJ, NGO, RND, IXN, and XTJ. COJ starts action on a FD site at the Marine Air Station in Santa Ana. And Dave may have Club decals available at the next Club breakfast! And NGO turns the 'rusty wheels' of OPs as he mentions an OP 'across the pond' with Collins 51-S1 gear! RND experiments with the packet station, and XTJ gives John two packet nodes for link use: Big Bear at 145.01 MHz, & Running

Springs at 145.03 MHz. IXN talks with Blanche, & Wyatt is 'perking along' quite nicely! With paralysis in the left arm still a problem, Wyatt will continue therapy. And BPX tnx all OPs for the cards!..They are deeply appreciated! AF6C says to look for an XO check-in on 2m!

**3/25 2m phone net** - W6ZE/IXN checks in XO, ZH & TAM, NG7D, FHN, VPP, XTJ, RE, RND, ZUP, OPI, VDP, ESD, XQR, WWP, & WTY. All welcome XO back on board! And Bob tnx all OPs for cards, etc., as he conquers the heart problem, blood clot, & a minor lung infection! ZH makes TAM a 'computer widow' as he battles a computer program from work! Undaunted, TAM looks forward to the ZH birthday & square dance Fri. eve.! And Chris consoles himself with a QSL contact on 80m from KC4AAA, from Antarctica, 200 yds. from the South Pole! NG7D works a 1 watt QRP OP in Nashua, NH. FHN says De Wit, FHU, is listening to us in the 'classroom'. And VPP finally comes out from under the hood of the car after 2 wks of work..Now for painting the front end of the auto! ZH tells Bud to check for open wires on the defunct packet station. One cold solder joint later, VPP is back on the air! RE toils with the 520-S borrowed from JPG. Alex' rig is at the radio doctors! And RE airs Newline. 100 miles distant & 4 xmitters later, XTJ completes last Sat. T-Hunt. Now, Jim is enjoying an orbit tracking program during the Shuttle mission in progress. XO lights up all LEDs on RND's rig, & John tnx XTJ for help with packet nodes. 8-conductor shielded cable anyone?..Give RND a call on net or by landline! OPI, asleep at the mike, helped set up for a Red Cross event at the Marine Air Station in El Toro. Cindy was up at 4 am! VDP finds CBers on the bottom of the 10m ham bands very disconcerting! And Larry alerts OPs about the possible demise of the Ontario Swap Meet! ESD works the S. Sandwich Group, with a total of 322 countries worked! Bob says VP8SSI will be there for about 9 days, as ESD thinks about the forgotten laundry in the washer! XQR returns to the 1st grade classroom and video tapes Colin Powell's speech to 1st graders! How did you fit in the seat, Nancy?! Anyway, XQR found it more exciting than jury duty! WWP garners a good deal on a PK-232 for the next raffle!..Congrats, Bob! And RND lifts his ears as Bob says Anita is studying CW for General. Will Anita be joining Nancy on the CW net?! WTY gets ready for experimentation with the 'Texas Bug Catcher', & IXN eavesdrops after net as VDP gives Carmine pointers on capacity loading this antenna! ZUP 'flies in & flies out'! And BPX is with us in spirit!..All OPs say 'HI', Wyatt!

**3/26 15m CW net** - W6ZE/RND checks in IXN, NT, XQR and W6HYL. IXN reports on 2 hrs of rain & a falling barometer. RND asks IXN about computer batch files. And HYL, Larry, checks in from Newport Bch. W6ZE gets QRN on HYL's 1st sigs and NT relays for Larry. XQR watches a jumping TV as she keys the xmitter and simultaneously records 'Empire of the air'..Hm!..Wonder how that tape will turn out!

On the CW net, check in with your call sign when you hear Net Control sending QNI. After you are acknowledged, stand by if the Net Control sends you:

● ■ ● ● ●



## Minutes of OCARC General Meeting March 20, 1992

Meeting was called to order at 7:33 pm by Frank Smith, WA6VKZ. All board members were present. Fried Heyn, WA6WZO, was the speaker and gave a very interesting slide show on the 1992 World Amateur Radio Conference.

**Treasurer's Report** - Checking account has \$ 915.66, Savings account has \$ 1,154.68 and cash on hand is \$ 236.05.

**Membership** - There are currently 99 paid members.

### Old Business

**Decals** - Dave Hollander, W6COJ, has found a place to get decals & patches done. The cost is \$480.00 per thousand. It was moved by Lloyd Harwood, WB6ULU, and seconded by Skipper, KC6WJJ, to spend the \$480.00. Bob Eckweiler, AF6C, wanted to know the timeframe and offered to check the company that his car club uses to see if he could get a better price. After further discussion, the general membership approved the expenditure of \$480.00. It was then moved by Jane, KC6TAM and seconded by Alex, W6RE, that the order be as follows: 700 decals and 300 sew-on patches. This was approved by general membership.

### Activities

**Square Dance** - Bob, KC6WWP, reminded the club membership that the dance would be 3/27/92 at the Police/Fire substation in Orange.

**Campout** - Reservation have been made for Joshua Tree for 4/25 & 4/26. He reminded club membership that there was only 3 spaces left, and money must be paid to the treasurer.

**Raffle** - 248 tickets have been sold on the ICOM handheld.

Cindy, KC6OPI, brought up the fact that the coffee pot is not functioning and needs to be replaced. She suggested that the new coffee pot be 100 cups. It was moved by Richard, KD6FYU, and seconded by Phil, KK6QE, that \$85.00 be the maximum spent on new coffee pot. Motion was approved by the general membership.

### Good of the Club

Bob Tegel, KD6XO, is home from the hospital and doing better. Wyatt Berry, WA6BPX, has suffered a stroke and is currently at Orangewood Convalescent Hospital in Garden Grove. We wish both of you speedy recoveries and hope to see you at a meeting soon.

Minutes were approved as published in the RF.

### Announcements

The annual American Diabetes association Ride and Stride will be held on 4/11/92. 16 full-time volunteers are need for communications. Breakfast will be served. See Frank, WA6VKZ for information.

**Red Cross Fantasy Weekend** - Cindy, KC6OPI, is selling the tickets. The cost is \$ 5.00 per ticket and winner will have a fantasy weekend for two. Proceeds go to support the communication center. Meeting was adjourned at 9:33 pm.

Respectfully submitted, Jane Breller, KC6TAM, Secretary

## Minutes of OCARC Board Meeting April 4, 1992

Meeting was called to order at 9:05 AM by Frank Smith, WA6VKZ. All Board members were present. There were 23 members and guests present.

### Old Business

**Decals & Patches** - Dave, W6COJ, has ordered the decals and patches. He will have them for the general meeting on 4/17/92. It was moved by Ken, W6HHC, and seconded by Bob, KC6WWP, to charge \$ 1.00 for the decal and \$ 2.00 for the sew-on patches. Motion was approved by the board.

**Field Day** - The letter to the Commanding officer was delivered by Dave, W6COJ. Dave will follow up to see if use of the base has been granted to OCARC. Team Captains are needed for the different frequencies as follows:

|                   |                 |
|-------------------|-----------------|
| 75m/80m .....     | Jerry, KK6VO    |
| 6m .....          | Mike, K6KAA     |
| 40m.....          | ?               |
| 20m.....          | Nancy, N6XQR    |
| 15m.....          | Bob, AF6C       |
| 10m.....          | ?               |
| VHF/UHF .....     | ?               |
| OSCAR .....       | Carmine, KC6TWY |
| Packet .....      | Jim, N6XTJ      |
| Novice/Tech ..... | Bob, KD6BWH     |

Cindy, KC6OPI, advised the board that the new coffee pot has been purchased. She also stated that the Orange County Register will be publishing the time and place of the OCARC general meeting.

### Activities

**Campout** - There is only 1 space left. 55 people have reserved a spot for the 4/25 & 4/26 campout. Cindy, KC6OPI, volunteered to make banners.

**Raffle** - The ICOM handheld will be raffled at the end of the 4/17 general meeting. The next raffle will be for a PK232 and Packet Gold software. It was moved by Ken, W6HHC, and seconded by Bob, KC6WWP, that a minimum of 400 tickets be sold before the PK232 was raffled. Motion was approved by the board. **Treasurer's Report** - There is currently \$ 1,496.21 in checking, \$ 1,154.16 in savings and cash on hand is \$ 58.00.

**Membership** - There are currently 101 paid members.

### Good of the Club

Bob, AF6C, brought up that there is someone using the club call sign. He is getting QSL cards for a DR Walter with the club call sign. He asked that OCARC members listen carefully to see if they can hear anyone using the club call. He will also write letters to QST and World Radio explaining the problem. He also advised the board that he needs to send in some more envelopes to the Bureau.

Meeting was adjourned at 9:50 AM.

Respectfully submitted, Jane Breller, KC6TAM, Secretary

## HF Mobile Installations

by Linda Davis, KC6VHY

Imagine talking to Australia or to New Zealand from your vehicle while you're driving down the freeway on your way to work! Well, with a dependable HF radio and an efficient HF mobile antenna system, you can enjoy mobile DXing!

First of all, there are several factors to consider before setting up your mobile installation.

- A. Decide on a budget for your HF mobile set-up. Remember, you can spend top \$\$\$ or save \$\$\$ and achieve the same satisfaction and still have top performance.
- B. Select an HF radio that will fit in your vehicle (within reach); consider all features, specs and physical size. (See Chart A.)
- C. Select your antenna system including mounts, coax cable, type of connector and grounding.
- D. Invest in a dependable SWR (Standing Wave Ratio) meter.

OK.....it's time to get down to the nitty gritty of all things.....INSTALLATION !!

1. Locate a space for your HF transceiver. Avoid areas that can get moist! Mount bracket and radio; run the power cord behind the dash (to hide from view), through the firewall and solder a couple of ring terminals to the power cord for the battery terminals. Dress it up with wire loom tubes and secure with wire ties.
2. Most HF radios come equipped from the factory with fused power leads to protect the radio from short circuiting. I would suggest that you add 2 more fuses; one for the positive and one for the negative leads for added protection in case you have a major electrical short in the vehicle. This will save you from damaging a very expensive piece of equipment.
3. Add a ground strap from the transceiver to the metal frame of the vehicle. This important step increases signal strength and minimizes RF feedback/interference. A 3" wide copper

foil will also suffice, which is available at your local amateur radio store. GROUND! GROUND! GROUND! (You can never have too much ground.)

4. Here is the most important factor of all...THE ANTENNA! Selecting the proper mobile antenna for your mission will be quite an experience. There are many types of mobile HF antennas to choose from. (See Chart B.) The most popular types are vertical whips (base loading or center loading.) Tune up of the antenna is usually accomplished by changing the height of the adjustable whip section above the pre-cut loading coil. Base loading requires the lowest value of inductance for a fixed length antenna, and as the coil is placed farther up the whip, the necessary value increases. Center loading has been generally accepted as a good compromise with minimal construction problems. Match the mobile antenna's low feedpoint impedance (typically, 10 ohms, assuming low coil and ground losses) to its rig connecting coax at the antenna's base; not at the transceiver. There is no mismatch between the 50 ohm cable and your transceiver. A dedicated tuner at the antenna's base is best, but separate coils or capacitors for each band are a popular compromise.

Mount antenna on a ball mount with spring to give way for height clearance, whether mounted on a bumper or roof of the vehicle.

Use 50 ohm coax cable. I prefer the RG214 coax cable which is silverplated, double shielded and 97% copper. But, if you are on a budget, any standard RG8 coax cable will do the job.

A standard Radio Shack variety PL-259 connector works well, however, again I prefer using a gold-plated PL-259 connector because when soldering the shield and center wire, the solder flows smoothly and quicker than the regular PL-259.

5. Tune the receiver and try to determine where the signals seem to peak up.

Once this frequency is found, check the SWR with the transmitter on and find the frequency where the SWR is the lowest. Shortening the adjustable section will increase this resonant frequency, and making it longer will lower the frequency. Once the setting is found where the SWR is the lowest at the center of the desired frequency range, the length of the adjustable section should be recorded for future reference.

The satisfaction of your personal achievement will amaze you after you've made that 1st contact on the world-wide bands! Mobile installations can be as simple as you want it to be to very complicated; it all depends on each individual. Do a little research, ask questions, and plan your installation with care! REMEMBER, THIS IS YOUR HOBBY!

### Chart A

#### Suggested HF Mobile Transceivers

ICOM IC-725  
ICOM IC-735  
KENWOOD TS-140S  
KENWOOD TS-450S  
YAESU FT-747GX  
YAESU FT-757GX

### Chart B

#### Suggested HF Mobile Antennas

HUSTLER  
VALOR  
OUTBACKER

### Gordon West Radio School, Inc.

presents

#### Weekend No-Code Technician

Gordon West, WB6NOA, Instructor

May 1, 2, 3 San Diego

May 8, 9, 10 Orange County, Airporter

#### General Code Class

Dan Fort, AA6LM, Instructor

May 9, 10 Orange County, ICOM

#### 5 WPM Code Class

Dan Fort, AA6LM, Instructor

April 25, 26 Orange County, ICOM

Gordon West Radio School, Inc.

2414 College Dr. Costa Mesa, CA  
92626

(714) 549-5000 HOT LINE 10-4

**Thanks to KD6FLT, Greg Stevens**

Date: 06 Mar 92 23:34  
 From: W6NLG@KA6JLT  
 To: ALL@ALLCA  
 Subject: History of CA call signs.

**HISTORY LIST OF CA CALL SIGNS.**

|         | EXTRA | ADV   | TECH<br>GENERAL<br>*SEPT. 90 | NOVICE |     |
|---------|-------|-------|------------------------------|--------|-----|
| JAN. 89 | AA6MB | KJ6PM | N6TYB                        | KC6BKJ |     |
| FEB. 89 | AA6MO | KJ6QQ | N6UHQ                        | KC6BTW |     |
| MAR. 89 | AA6MW | KJ6RK | N6UMN                        | KC6BZK |     |
| APR. 89 | AA6ND | KJ6RY | N6URE                        | KC6COG |     |
| MAY 89  | AA6NP | KJ6TE | N6UYS                        | KC6DIF |     |
| JUN. 89 | AA6OI | KJ6VH | N6VIG                        | KC6BCG |     |
| JUL. 89 | AA6OU | KJ6WP | N6VOJ                        | KC6EQG |     |
| AUG. 89 | AA6PT | KJ6YA | N6UVY                        | KC6FBI |     |
| SEP. 89 | AA6QE | KJ6ZE | N6WET                        | KC6FOP |     |
| OCT. 89 | AA6QX | KK6AG | N6WKU                        | KC6FYH |     |
| NOV. 89 | AA6SA | KK6BZ | N6WUU                        | KC6GQO |     |
| DEC. 89 | AA6?? | KK6?? | N6XAA                        | KC6??? |     |
| JAN. 90 | AA6SY | KK6EH | N6XLC                        | KC6HTK |     |
| FEB. 90 | AA6TX | KK6GE | N6XUD                        | KC6ILF |     |
| MAR. 90 | AA6UH | KK6HG | N6YBR                        | KC6JCV |     |
| APR. 90 | AA6UY | KK6IS | N6YJC                        | KC6JXO |     |
| MAY 90  | AA6VL | KK6JU | N6YRK                        | KC6KPM |     |
| JUN. 90 | AA6WG | KK6LH | N6ZFD                        | KC6LUX |     |
| JUL. 90 | AA6WS | KK6MJ | N6ZNT                        | KC6MHR |     |
| AUG. 90 | AA6XF | KK6OB | N6ZZZ                        | KC6MWQ |     |
| SEP. 90 | AA6XU | KK6PA | ----                         | KC6NMS | 417 |
| OCT. 90 | AA6YE | KK6QF | ----                         | KC6ODO | 104 |
| NOV. 90 | AA6YY | KK6SB | ----                         | KC6OXZ | 505 |
| DEC. 90 | AA6ZU | KK6TN | ----                         | KC6PPF | 449 |

|         |       |       |      |        |      |
|---------|-------|-------|------|--------|------|
| JAN. 91 | AB6AN | KK6VH | ---- | KC6QQB | 698  |
| FEB. 91 | AB6AP | KK6VV | ---- | KC6RJT | 268  |
| MAR. 91 | AB6BI | KK6XE | ---- | KC6SFQ | 484  |
| APR. 91 | AB6BS | KK6YI | ---- | KC6TCJ | 591  |
| MAY 91  | AB6CK | KM6AK | ---- | KC6UQF | 1036 |
| JUN. 91 | AB6DC | KM6BX | ---- | KC6VVV | 822  |
| JUL. 91 | AB6DO | KM6CX | ---- | KC6WRW | 573  |
| AUG. 91 | AB6EB | KM6FT | ---- | KC6ZCM | 952  |
| SEP. 91 | AB6EX | KM6HY | ---- | KD6AKN | 885  |
| OCT. 91 | AB6FQ | KM6JC | ---- | KD6BCK | 465  |
| NOV. 91 | AB6GU | KM6LK | ---- | KD6CPS | 1022 |
| DEC. 91 | AB6HN | KM6MT | ---- | KD6DJY | 526  |
| JAN. 92 | AB6IB | KM6NP | ---- | KD6EKR | 695  |
| FEB. 92 | AB6IU | KM6PF | ---- | KD6FLB | 686  |
| MAR. 92 | AB6JK | KM6QY | ---- | KD6GNI | 735  |

\* SEPT. 90, END OF 1X3 CALL SIGNS.  
 ALL CALL SIGNS FOR GENERAL, TECHNICIAN AND NOVICE WERE THEN ISSUED 2X3 CALL SIGNS.  
 THE NUMBERS FOLLOWING THE 2X3 CALL SIGNS ARE THE NUMBER OF 2X3'S ISSUED EACH MONTH.  
 73 GORDON..SUNNYVALE VEC

**SCRAMBLED HAM**

Unscrambled these letters to form one or more words that have to do with Amateur Radio.

A M D O H R I A

E U F Q N Y R E C

N O K W E D O

S R M C D E O E O

T N A E A N N

Answers will be in next month's RF.

**UPGRADE AND NEW LICENSE CLASS/TEST SCHEDULE**

| DATES           | NO-CODE<br>TECHNICIAN | ADV. | 5 WPM<br>CODE | 13 WPM<br>CODE | 20 WPM<br>CODE | TEACHER | WALK-IN<br>TESTING |
|-----------------|-----------------------|------|---------------|----------------|----------------|---------|--------------------|
| APRIL<br>25, 26 |                       |      |               |                |                | CAMPOUT | OCARC ONLY         |
| MAY<br>6        |                       |      |               |                |                | WT6A    | NO WALKINS         |
| 9, 10           |                       |      |               | IRVINE         |                | AA6LM   | TBA                |
| 15, 16, 17      | F.V.                  |      |               |                |                | AB6CH   | 17TH, 5:00 PM      |

Pre-register for all classes. For F.V. (Fountain Valley) call AB6CH BOB GREGG at (714) 375-0387. For Irvine locations (classes taught by WB6NOA, GORDON WEST and AA6LM, DAN FORT), call GORDON WEST RADIO SCHOOL (714) 549-5000. Bring ORIGINAL and COPY OF LICENSE and ORIGINAL and COPY of ANY CSCE'S, ID and \$5.40 (NOTE PRICE INCREASE FOR 1992.) ALL TESTS ARE W5YI ACCREDITED, LEAD VE: NANCY BUCHER N6XQR (714) 537-8728. BE SURE TO PRE-REGISTER WITH SITE SPONSOR IF YOU WISH TO WALK-IN TEST. Walk-ins will be tested after class testing. Multiple versions of all elements are available.

## CLUB FUNCTIONS

### MONTHLY MEETING:

April 17th - 7:30 PM

May 15th - 7:30 PM

June 19th - 7:30 PM

Anaheim Emergency Operations Center

909 E. Vermont - Anaheim, CA west of 2nd set of railroad tracks, big antenna  
Vermont runs east and west between Harbor and State College  
Vermont is North of Ball and South of Lincoln

### CLUB BREAKFAST:

May 2nd

June 6th

1st Saturday of each month, 8:00AM at DENNY'S Resturant  
2314 E. Seventeenth Street Santa Ana, CA (714) 543-0872

(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 | WA6RND   |

(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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ORANGE COUNTY AMATEUR RADIO CLUB, INC.

P.O. Box 3454

TUSTIN, CA 92681



## First Class Mail

Bob Eckweiler AF6C  
667 Coate Road  
Orange CA 92669

**Time-Dated Material.**  
**Please Rush!!**