



ORANGE COUNTY AMATEUR RADIO CLUB

VOLUME XXXVII NO. 8 P.O. BOX 3454, TUSTIN, CA 92681 AUG. 1996

The Prez Sez:

Computers and Ham Radio -

I'm writing this on a word processor on my new computer. Technology is an amazing thing; while I'm computing, Channel 4 is showing the Olympic Basketball game for the gold in a window on the top right of the screen (excuse me, the desktop). Since I haven't found the Olympic commentary very exciting, I'm also listening to an audio CD that's playing in the CD drive (the Limelifers - am I showing my age?) Yes, technology is amazing!

What does this have to do with ham radio? Well, until the mid-eighties ham radio and its close cousin electronic hobbying were the major technical hobbies of the day. Today, the computer is the technical hobby king. Like ham radio it has many facets; and new computer facets are appearing every day.

Meanwhile, the technical advancement of ham radio is stagnant on all but a few fronts. Packet radio came close to bridging the gap between computers and ham radio. Unfortunately, many hams use the packet for their own agenda, political and otherwise. Today, almost 10 years after packet radio became popular, the technology has made little advancement. Though 9600 baud has been available to packeteers, 1200 baud is still the norm on VHF. **WB6YMH**, one of the early digipeaters (packet repeaters) announced that it was going QRT this summer because of the stagnation of packet advancement in the LA basin.

What can we do? We aren't all Tesla protegeses. We have to be good ambassadors for our hobby - especially with young people. Today, ham radio doesn't have the mystique it once held. Handheld radios, repeaters and auto patches are just cellular phones; DXing can be done on the Internet, as can packet radio and traffic handling. Telephony and slow-scan TV (not that slow) are being sent today over networks. Perhaps the only mode that is non-existent via computer is CW!

If you belong to a computer club, or have enthusiastic young computer friends, take the time to tell them about our hobby. Put on a demo for your club. (Putting together a ham radio presentation for computer hobbyists may be a good club project. any volunteers?) Be sure to include things like EME, SAREX and emphasize emergency communications. During an emergency the reliability of the Internet still has not been proven.

Special Thanks -

Bud, **WA6VPP** has been putting together the newspaper. Last month he experienced a computer crash, and **Larry**, **AC6WN** (ex-KF6DCS) filled in and edited the paper (and did a very fine job I might add.) **Larry** is editing this issue too, as **Bud** is on vacation. Thanks.

de *A76C*

NET NEWS

by **BOB EVANS, WB6IXN**

7/10 15m phone net - **W6ZE/AF6C** checks in **NGO, IXN, HHC, WOX, FMX, XO, RE, & ZH**. **AF6C** experiences a 'tiny shower' frm excess atmospheric moisture this morning! **NGO** tells OPs abt his vacation trip to Nova Scotia! **Kei** traveled on a 505 HP 47 ft. long bus in Halifax! The bus, made in France, got abt 7 mi to the gal., but cud hold an enormous number of passengers. **NGO & WOX** experience **QRN** tonite, but **WOX** copies **IXN** better, while **IXN** copies **WOX** 100%! **FMX** joins us after a couple of landlines. And **Paul** helps **UCH** get a gel cell charger ready. **IXN** gets a landline frm **Blanche Berry**, and **Bob** passes along tnx to Club members who hve been handling **Wyatt's** gear, and, tnx to the Board fer her Honorary Membership in the Club! **XO** tells OPs that the Coto de Casa event will be held on landfill away frm city streets this year. **HHC** will publish a FD group pix in 'RF', and **AF6C, IXN, & HHC** discuss the Idylwild, Anza, & Temecula fires. **WOX** looks at used cars, saying that low mileage is now in the 100,000 mi. range! **RE** gets caught up in the Zip Code change mess, and also attempts to consolidate business records. **ZH** hears **IXN** dwn in the **QRN**. And **AF6C** expresses Club appreciation to **Chris** fer the FB FD Chairman job this year!

7/10 2m phone net - **W6ZE/IXN** checks in **ZH & TAM, NG7D, PZF, QW, VDP, VFC, RE, YZW, FMX, BWH, WOX, TWA, & DCS**. **ZH** gets a 4 day vacation over the 4th, wid he & **TAM** celebrating **IBR & IBP's** BDs over last weekend! And **Chris** says a solar flare yesterday may enhance 20m operation! Just in time, says **RE**, fer emergency communications on 14.325 MHz, as hurricane Bertha heads fer the Carolina coast! **Alex & XYL** take in the fireworks at Tustin H.S., and **RE** gets **QSL** cards frm the Bureau frm OPs he didn't work!! **NG7D** helps a girl friend straighten out her business affairs, and, after working an IT9 in Sicily, **John** has 101 countries, enuf fer his **SSB** mixed band **DXCC**! **PZF** spends the 4th wid 'The Old Folks at Home'! **QW** sells the Business, and now its off to Spokane to lay a cellar foundation fer the new mobile home! Wid the geodesic dome well under way, and a new fishing pole on the side, **Rolf** won't have any idle time on his 2 week trip! **VDP** and OPs help **Blanche Berry** rid herself of **BPX's** gear, and **Larry** leaves the 6m report to **VFC**. **VDP** and fam. enjoyed the neighborhood fireworks! **BWH** airs Newsline, wid info abt the upcoming Midway Is. **DXpedition**. **ZH** says military interference on hambands may be coming frm nearby camp LeJune, N.C.! **VFC** wud rather 'light a dollar bill' than buy fireworks!...**IXN** agrees! **Dennis** tells OPs that 6m was active Mon. & Tues., and that **AA6DD** worked Delaware yesterday. Also **TG9SO**, in Guatemala, was in here Mon. the 8th! **YZW** catches up on the sod work, and **FMX** stays off the freeways fer the 4th, wid family over to enjoy the pool and cookout!..Now **Paul** prepares to marry off his last harmonic next month! **WOX's XYL & harmonic** try to catch catfish in Irvine Lake, & **Art** lives on 'County Island' an isolated strip of County land surrounded by the City of Orange!...Needless to say, there were sum fireworks on 'The Island'! **TWA** has the Gout!.. Watch that red meat, **Charles**! And **IXN** tells **Charles** to call the Environmental Management Agency (Orange County), & tell them that gophers hve infested the Santa Ana River Flood Control Channel! **DCS** reports on removal of ham gear frm **BPX' QTH**, and **Larry** looks fer documentation on a Swan Tribander beam!

7/17 15m phone net - **W6ZE/AF6C** checks in **NGO, HHC, IXN, WOX, COJ, FMX, & RE**. All OPs discuss the 747 that exploded in the sky shortly after take-off frm Long Island, N.Y. **AF6C** asks **NGO** to think abt reasons why **AF6C's** avocado tree has sum dying branches. After a hard day's work, **NGO** has 'happy hour' abt 4 pm. Now it's off to the 'eyeball' doc tomorrow to see if **Kei** needs glasses! **AF6C** receives his 32 megabyte memory chip, by **UPS**, next day after ordering it! **HHC** will show **PFA's** short video of the Carriage Event, and, some Field Day slides fer meeting. **IXN** mentions the 6+ mag. event in Guerrero, Mex. And, **IXN** doesn't hear **WOX' sigs** tonite. **COJ** says **N6UC, Jack**, is out of the hospital and recuperating at home. **FMX & AF6C** cuss & discuss the good and evil of bouganvilla! And **Paul** finishes remodeling in the shack. And **RE**, working on getting business affairs instructions easily accessible in case he's incapacitated, discovers that no program fer next

meeting was mentioned in July 'RF'!

7/17 2m phone net - **W6ZE/IXN** checks in **FMX, VFC, RE, QW, WOX, VDP, & ZH**. Yard & garden work plus the upcoming wedding of **Paul's** youngest harmonic keeps **FMX** busy, and **Paul** searches for the reason for the high **SWR** on 40m wid the 7-band vertical ant. **VFC** says 6m was dead, except fer sum minor openings to the northwest. At 7:30 am yesterday, **Dennis** heard White Sands, NM in there! **RE** will give **QW** a fishing pole for use in Washington. And **QW's** sale of his business fell thru after the buyer refuses to pay fer equipment before it is removed! Undaunted, **QW** still plans to vacation in Washington fer the next 2 weeks! Wow! Three autos in the family?!...**WOX** gets a 10 yr old Cressida fer his older harmonic. The younger harmonic wants a Volkswagen, so **Paul** teaches her 'stick shift' driving! **VDP's** **XYL** buys an IBM clone computer. Now **Larry** must delve into its operation. And **VDP & VFC** get their **WAS & 5-band WAS** certification to check **OP QSL** cards for these awards. **Larry** also gets **ARRL VE** accreditation! Has **Cindy** found the Club raffle ticket cage yet? If not, then **VDP** can supply the Club wid the old **NARS Club** raffle ticket cage! **ZH** works on a noise elimination circuit that feeds noise frm another ant. 180 deg. out of phase to the rig ant., thus cancelling the noise before **RF** amplification in the rig!

7/24 15m phone net - **W6ZE/AF6C** checks in **AD6B, HHC, IXN, FMX, VKZ, COJ, WOX, & RE**. **IXN** checks in late & waits fer the 2m net to talk wid **AD6B**. **IXN** can't find 'Jack Straw Springs' in the San Jacinto Mts. listed in the DeLorme Gazeteer. **HHC** will soon backpack to this area! And, wid **AF6C's** 'Dark Rivers of the Heart' to accompany him, **HHC** will hve to keep one keep one eye on the trail as he reads this book! **FMX** wants to ramble around old mines & mining towns after he retires.

1996 Board of Directors

President.....	Bob Eckweiler.....	AF6C.....	639-5074
Vice President.....	Ken Konechy.....	W6HHC.....	744-0217
Secretary.....	Chris Breller.....	KJ6ZH.....	(310) 925-9127
Treasurer.....	Bob Buss.....	KD6BWH.....	534-2995
Activities.....	John Meacham.....	KJ6TK.....	842-4702
Membership.....	Tom Thomas.....	WA6PFA.....	771-2917
Public Relations.....	Frank Smith.....	WA6VKZ.....	838-3180
Tech Committee.....	Larry Beilin.....	K6VDP.....	557-7217
Member at Large.....	Cindy Hughes.....	KC6OPI.....	971-3448
Member at Large.....	Kei Yamachika.....	W6NGO.....	538-8942

CLUB APPOINTMENTS

Club Historian.....	Bob Evans.....	WB6IXN.....	543-9111
W6ZE Trustee.....	Bob Eckweiler.....	AF6C.....	639-5074
RF Editor.....	Bud Barkhurst.....	WA6VPP.....	774-6361
Refreshments.....	Jane Breller.....	KC6TAM.....	

DUES

Regular Members.....\$12.00...Additional Members.....\$6.00 each

Teenage Member.....\$ 6.00...Optional Club Badge.....\$5.00 each

Dues for new members are pro-rated quarterly from January 1st each year.

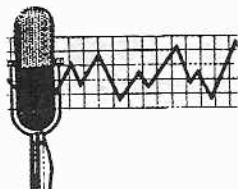
Family members must reside at the address of a regular member. One RF is sent per household.

WOX & IXN hear each other tonite. And **RE** tells **AF6C** that he didn't go to the Tustin Concert. **Alex** didn't like the program selections! **RE** reads a couple of ARRL bulletins, and spends much time watching Olympic events! **IXN** misses **VKZ**'s comments!

7/24 2m phone net - **W6ZE/IXN** checks in **VFC**, **AD6B**, **VDP**, **ZH & TAM**, **RE**, **PZF**, **WOX**, and **DCS/m**. Wid 6m quiet, **Dennis** manages grid squares EM08 and DM57! **AD6B & VDP** discuss activities on 220 MHz., and **Art** enjoys the Condor repeaters & the Edison repeaters on 220 MHz. And **AD6B & the XYL** anniversary in Las Vegas last weekend wid temps in the 120+ range! Now **AD6B** listens to **W1AW** to pick up the code speed. **TAM** remains silent while **ZH** tells OPs that he gets the QRN Squasher working after correcting a couple of previous mistakes..Now to install that final diode to prevent the amplifier frm automatically turning off the Squasher! **RE** tells OPs that ARRL will petition FCC to allow Advanced Class licensees to be VEs fer General Class licenses & lower. More abt this in Sept. QST. **PZF**, like all OPs, kicks back & watches the Olympic games! **WOX**'s harmonic has **Art** teaching her stick shift driving...She's going to save a lot of gas when she gets that Volkswagon, **Art!** And **Art** will visit the Orange County Fair this weekend. **DCS**, mobile, joins us after videos fer his real estate class didn't arrive, and early dismissal ensues! And **Larry** has been waiting since May 18 fer the arrival of his Extra Class ticket! Meanwhile, **DCS** puts up a new **VDP** j-pole ant.

7/31 15m phone net - **W6ZE/AF6C** checks in **IXN**, **HHC**, and **WOX**. **AF6C** reminds all abt the Club Breakfast this Sat. And **Bob** loses himself in reading, calling the Net into session just in time! **IXN** reports that Calif. was moving at a depth of + or - 8 km, wid mag. 3 or > earth quakes, beginning in Apr. of 1970 up to & including the Feb. 1971 Sylmar event at a depth of 8 km! The 8km depth motion occurred between 32 deg. 30 min. North lat., and 36 deg. North lat. **HHC** details the position of Jack Straw Springs in the San Bernardino Mts. fer **IXN**. And **HHC**, **ZE**, & **IXN** all discuss the boundary of the Long Valley Caldera, wid Mammoth Mt. near its rim! **HHC & family** witness an all night lightning display in the Mts., while **AF6C**, **IXN**, & **WOX** also witness a great lightning display on Fri. eve.! **WOX** will wait til the 50 mil goes, then he'll try fer 3 mil in the Lottery come Fri.!

7/31 2m phone net - **W6ZE/IXN** checks in **VFC**, **WOX**, **SVDP**, **RE**, **AXJ**, **BWH**, & **KC6TLR**. **TLR** has a question abt the net. **VDP** answers the question and invites **TLR** to a Club meeting. **VFC** gets 4 numbers out of 6 on the 50 mil lotto, gud fer abt \$5! **Dennis** says 6m is dead fer now, as **VFC** tries to keep cool in the hot WX! **WOX & IXN** visit the Orange County Fair last Fri. eve. & witness a display of lightning after investigating the ham radio booth, WX lightning, of course! And **Art's wife** treats **WOX** to dinner at the Don Jose Rest. tonite! (Was it becuz you replaced the \$450 rack & pinion in her auto, **Art!**?) **RE** only sees one flash of lightning Fri. eve., as **Alex** was busy watching the Olympics! And **Alex** cannot pull any ARRL Bulletins out of the vy bad QRN this week! **RE** says keep a couple of quarters in the auto to use fer a telephone call in case of an auto emergency. **WOX** doesn't hear **IXN** tonite on 15m. And **VDP** disconnects all ants. during the lightning display last Fri. eve. **VDP** gets a QSL card frm NJ, frm an OP he worked on 7/6, the last grid square **Larry** needed frm that area. **BWH** checks in mobile, and **Bob** airs Newsline frm the QTH...Seems like we hve an invasion of the 10m band by 11m CB pirates, the 'Take Ten' group!! And **VDP** says you can listen to a weekly amateur radio talk program on 12.160 MHz and 7.435 MHz at 2200 UTC, that's 3:00 pm, PDT!



Board Meeting minutes of 7/6/96 (Corrected)

The meeting was called to order by President AF6C at 8:41 AM. The following board members were absent: KC6OPI, W6NGO and KJ6TK.

Old Business: WA6VKZ returned \$23.59 to the club from Field Day expenses. W6HHC reviewed the club scores from Field Day. All Field Day expenses need to be turned in promptly.

New Business: W6HHC announced that we need a program for the July meeting. KJ6ZH received the registration back from the DMV on the trailer because of incorrect pictures which accompanied the registration. KJ6ZH will give it to WA6VKZ for action. WA6VKZ announced that the club's Field Day activities were published in the Tustin News. Membership Chairman announced that there are 63 paid members to date. AF6C and W6HHC announced that W6ZCQ is a silent key and has willed the club a rotor, tower and beam. The Secretary was directed to send a letter to the widow thanking her for her donation. Motion was made by W6HHC seconded by WA6VKZ that the club sell this donated equipment. Motion passed unanimously. The treasurer reported a balance of \$408.78. A motion was made by WA6VKZ seconded by W6HHC to increase the club's dues to \$15.00 per year due to increased postage and insurance expenses. Motion passed unanimously. A motion was made by K6VDP seconded by WA6VKZ that the club sell its Kenwood TS-520 HF radio for at least \$300.00. Motion passed unanimously. W6HHC was requested by the president to prepare an ad for publication. AF6C proposed a Pizza Bash in the August-September time frame.

Good of the Club / Announcements: KD6XO reminded everyone of the need for radio operators to support the California Classic Carriage event on Aug. 16th. WA6PFA volunteered to put together a video tape presentation of past Classic events.

A motion to adjourn was made by WA6VKZ seconded by W6HHC.

The board meeting was closed at 9:32 AM.

Respectfully submitted
A.C. Breller KJ6ZH, Secretary

Minutes of the General Meeting of 6/21/96 (Corrected)

The meeting was called to order at 7:30 PM by Vice-President W6HHC. The following board members were absent: AF6C, KD6BWH and KJ6TK. W6HHC turned the meeting over to KJ6ZH, Field Day Chairman, for a general discussion of the final preparations for Field Day.

WA6VKZ reminded the club that members receive a club decal upon joining or renewing their membership based on a motion passed last year.

A motion to adjourn was made by KE6NAC seconded by KM6TC.

The meeting adjourned at 8:12 PM.

Respectfully submitted
A.C. Breller KJ6ZH
Secretary

Minutes of the General Meeting 7/19/96

The meeting was called to order at 7:33 PM by President AF6C. The following board members were absent: WA6PFA, KC6OPI, KJ6TK, and KD6BWH. W6HHC presented a slide show of this year's Field Day and a Ham Radio the personal side, video tape produced by ICOM. W6HHC announced that the August program would be on the Automatic Packet Radio Reporting System (APRRS).

The minutes of the last general and board meetings were read by KJ6ZH and corrections were offered by W6VKZ and AF6C. A motion to approve the minutes as corrected was made by KC6TAM and seconded by W6HHC. The minutes were approved as corrected.

Activities Chairman: No report.

Publicity Chairman: WA6VKZ reported that the club's Field Day activities were reported in the City of Tustin's weekly newspaper.

Membership Chairman: No new members.

Old Business: WB6IXN is still looking for Field Day pictures and for members to provide him with 2 QSL cards to be retained in the club history.

New Business: The Board of Directors brought before the membership **an amendment to change the bylaws** to increase the dues to \$15.00 per year for an individual and \$18.00 per year for a family effective with the 1997 membership year. No discussion was offered by the membership. The first vote to accept this change in the bylaws was unanimous in the affirmative. The second vote to accept the change in the bylaws will take place at the August General Meeting and if the motion passes at that meeting, the bylaws will be amended.

Announcements and Good of the Club: AF6C announced that the XYL of W6ULU passed away on 6/30/96 and that the father of WB6IXN passed away also on 6/30/96. WB6IXN has a petition that club members are requested to sign which requests that the murderer of a friend of IXN be denied parole. WA6VKZ reported that he has purchased "Map & GO" software from Delorme Software and is having problems with the program and the company's technical support.

A motion to adjourn was made by KC6TAM and seconded by KE6MUX.

The meeting adjourned at 9:35 PM.

Respectfully Submitted
Chris Breller KJ6ZH, Secretary

In Memoriam

KM6BT , Mel Chester became a Silent Key on Sunday 8/4/96. He will be greatly missed.



COMING OCARC PROGRAMS

AUG-16 "PACKET RADIO APERS for GPS POSITIONING INSTRUMENTS" by JIM CARTER, WA6HAG

SEP-20 "DXing IN AFRICA" by ART GODDARD, W6XD

OCT-18 OCARC AUCTION

NOV-15 "EFFICIENT MOBILE INSTALLATIONS" by JERRY DAVIS, KK6YO

DEC OCARC CHRISTMAS PARTY

JAN-97 "TASMA 2MTR BAND REVIEW" by CARL COCKRELL, AB6FC

FEB-97 N/A

MAR-97 "ULTIMATE CONTEST SHACK" by WAYNE OVERBECK, N6NB

....de **KEN** - W6HHC, PROGRAM CHAIRMAN

FOR SALE: 1. Tower, Rotator and Beam Antenna The following was donated to the Orange County Amateur radio Club. It has been refurbished by club members and is in good condition. 1. A 20' guyed tower believed to be TriEx. This tower requires guys and is made up of two 10' sections that bolt together. The tower has been reworked and painted by a club member who has many years of experience building and repairing ham towers.

2. An unused base for the above tower (manufactured by TriEx). This base is in "new" condition.

3. An Alliance HD-73 Rotator recently cleaned, lubricated and calibrated by a club member experienced in rotator repair. The rotator includes the control box, but does not include rotor-cable. Six conductor (2x18 AWG and 4x22 AWG) rotor-cable is required (available at HRO).

4. A two element tri-band beam antenna (10, 15 and 20 meters). This antenna has seen very little usage and is like new. It was donated by a club member to make this a complete package. Coaxial cable is not included. Price for the package is \$200 for a club member and \$212 for a non-member (but we'll throw-in one year's free OCARC membership for a non-member!) Contact **Bob, AF6C @** (714) 639-5074 or **Ken @** (714) 744-0217 for further details and to schedule an inspection of the package.

RADIO GEAR FOR SALE

The following radio gear is for sale from the estate of **Wyatt - WA6BPX**. Please contact **Larry Beilin - K6VDP** at 557-7217 if you are interested.

* ATLAS Model 210X Transceiver, w/ AC Console - \$250

* DRAKE Model MN2000 Antenna Tuner - \$150

* KENWOOD 12AMP Power Supply - \$50

KENWOOD TRANSCEIVER FOR SALE

The OCARC has declared the following club property as surplus and for sale. Please contact **Ken Konechy - W6HHC** at 744-0217 if you are interested.

* KENWOOD Model TS-520SE SSB Transceiver w/ built-in Pwr Supply - \$300

Club Nets

<u>Band</u>	<u>Mode</u>	<u>Day</u>	<u>Local Time</u>	<u>Freq. Mhz.</u>	<u>Net Control</u>
15 Meters	SSB	Wednesday	7:30 P.M.	21.375*	AF6C
2 Meters	FM	Wednesday	8:30 P.M.	146.550 Simplex	WB6IXN

(Listen for W6ZE, Net Control)

* Plus or Minus QRM

General Meeting

August 16
September 20
October 18

General meeting is the third Friday of each month, 7:30 P.M., at the AMERICAN RED CROSS facilities.
601 N. Golden Circle Dr. , Santa Ana, CA
Major cross streets: Fourth Street and Tustin Ave.
Talk-in frequency 146.550 MHZ. simplex.

Board Breakfast

September 7
October 5
November 2

Board Meeting is the first Saturday of each month at 8:00 A.M. The Wildflower Restaurant - members and visitors are welcome.
2525 N. Grand Ave., Santa Ana, CA
Exit the 5 freeway at 17th St., go east to Grand Ave. Go north on Grand; or exit the 22 Freeway at Glassell/Grand. Go south to restaurant.



Orange County Amateur Radio Club, Inc
P.O. Box 3454
Tustin, CA 92861



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