

ORANGE COUNTY AMATEUR RADIO CLUB

VOL. XXXIII NO. 6

P.O. BOX 3454, TUSTIN, CA 92681

JUNE, 1992

Field Day Info by Nancy Bucher, N6XQR

Field Day is an annual contest sponsored by the ARRL that many, if not most, clubs throughout the United States participate in. Participants may run single or multiple stations. Certain types of stations do not count toward the total transmitters for class of entry such as packet and satellite, but do count for contacts and bonus points. The contest consists of making contact with as many other stations as possible during the contest period. Complete rules appeared in the May, 1992 issue of *QST* Magazine.

The Club call sign "W6ZE" will be the call sign for every transmitter at our Field Day site. Each station will be powered by our generators and each contact and exchanged is logged (written down on a log sheet) - duplicate contacts with stations (same band, same mode) are eliminated before submitting our entry.

To join us for Field Day, contact the appropriate station captain listed below or Frank Smith, WA6VKZ.

- 75m Jerry, KK6YO 310 784-0979
- 40m Larry, KM6UF 714 673-4002 (Phone and CW)
- 20m Nancy, N6XQR 714 537-8728 (phone - all YL operators on the air)
- 20mCW Phil, WA6LDI 714 840-9066
- 15m Bob, AF6C 714 639-5074
- 10m Tom, WA6PFA 714 771-2917
- 2m,6m Mike K6KAA 714 832-8503 (or at work 714 380-3311)

If you are interested in assisting on packet, contact Jim, N6XTJ or satellite contact Carmine, AB6KE at the Club meeting. These two stations require more knowledge than can be taught during the contest, but you are welcome to observe their operation.

Don, KC6ONZ, is in charge of food. If you can provide any of the

Public Service Event

It's hard to believe, but it's that time of year again. Another California Classic is on the horizon so I would like to inform everyone of the dates. The event will be held on August 7, 8, and 9, 1992 at the same location as last year - Ernie Howlett

Park in Rolling Hills Estates. The marathon will be held Saturday August 8. This will be the day that I will need the most operators (Last year we had 24 people operating everything from handy talkies to packet to ATV.)

I have just been informed that the United States Equestrian Team will use our event to chose competitors for the World Driving Competition to be held at Gladstone in 1993.

Last March I suffered a sever heart

attach, but am back on the mend. I don't know how this is going to affect my ability to coordinate everything this year, so I would appreciate as much help from you guys and gals as possible. If you can make the Classic this year, please give me a call as soon as possible. This way I can have my list somewhat firmed up for a follow up mailing of more details as the event gets closer. My phone number is (714) 531-0926 and there is an answer machine on duty when I'm not at home.

I'm looking forward to seeing everyone again this year.

73, Bob Tegel, KD6XO
Communications Coordinator
California Classic
Combined Driving Event

June Program: Field Day!

following items, please call Don at 714 971-3448 as soon as possible:

- 2 or 3 tables
- 2 or 3 stoves with griddles
- 2 or 3 BBQs

The Club is providing Saturday dinner and Sunday breakfast to all workers.

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NEW BOARD MEETING SITE - SEE BACK PAGE!	

Prez Sez

by Frank Smith, WA6VKZ

This is the month for "Field Day." The weekend to practice and sharpen our skills for "Public Service" and "Emergency Communications." Be you a grizzled OM who thinks digital communications is composed of dits and dahs or a "want-a-bee" ham, there is a spot for you at Field Day.

Field Day is a contest that allows us to practice for a disaster, but when we have enough participation "our" Field Day won't turn into a disaster. One of the benefits of Field Day is that new hams don't have to jump right onto a mike or pound a key. Observation of operations and participation as a "logger" and/or "duper" will slowly

entice you to try your hand at operating.

As of now (6/2/92) OCARC will operate as class 5A:

80-75/10 for one station

15/40 for a second station

20 phone for the third station

20 CW for a fourth station

UHF/VHF for the fifth station

We will also have operating a packet station and a satellite station.

Those who can help on Friday afternoon, please meet at the helicopter base main gate at 1:00 PM. The more help the easier for everyone. We will lay out and erect as much as possible.

Show up on Saturday at 8:00 AM at the same place. Operations shall start at 11:00 AM and finish 24 hours later.

Hope to see you all at Field Day.

Motorcycles & Amateur Radio

by Ray Davis, KD6FHN

SOMETHING EXCITING is happening for those interested in both amateur radio and motorcycling. A new group is forming that combines both interests. They already have 10 members signed up on their new roster, with four others interested in joining at their next meeting.

The group meets on Tuesday nights at 8:00 PM on 144.375 SIMPLEX. All persons from either interest are welcome. The group will hold their next breakfast meeting at 8 AM on July 11, 1992 at Denny's Restaurant at the southwest corner of Tustin and 17th Street in Tustin, CA, that's 17th about 100 yards West of the 55 freeway.

This group had its first NET on Tuesday May 12th and we've already had hams going out to buy motorcycles and motorcyclists signing up for Amateur Radio classes.

This is a very friendly, enthusiastic group, come join the fun.

For more information, please call Ray Davis, KD6FHN at (714) 551-1036 or Ron Collings, WB6ZEI, at (714) 960-4383.

1992 CLUB BOARD of DIRECTORS

President.....	Frank Smith	WA6VKZ	838-3180
Vice President	Bob Eckweiler	AF6C	639-5074
Secretary	Jane Breller	KC6TAM	310/866-2077
Treasurer.....	Carmine Fiorelló	AB6KE	837-5133
Activities.....	Bob Schnabel	KM6TL	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
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.

SCRAMBLED HAM

by Linda Davis, AB6KQ

P T A C C A I R O
T N I R S A E S E C
I O L A N C
I T C R U I C
P E S N I O E O H R

Answers in next month's RF

On the Nets -- May, 1992

by Bob Evans, WB6IXN

4/30 15/40m CW net - W6ZE/RND begins net on 15m, checking in HYL & NT. The group QSYs to 7.150 MHz to alleviate poor copy condx. When a broadcast carrier competes wid us, we move to 7.140! IXN joins net here after return home frm hosp. visiting dad wid heart attack! OPs wish IXN's dad a speedy recovery. NT beats RND in the Nov. SS contest (p. 115 May QST). RND congrats NT! IXN finds media coverage of the LA carnage disgusting! HYL misses NT & IXN at the Campout, & Larry asks John if he misses the Campout 'after-shocks'!? John quips, "They put the RV to sleep, not me!" On 15, the Group picks up VK2BNZ, Jack, in Punchbowl, near Sidney, Australia. Group wants RND to change net freq. to 7.140 MHz. permanently wid all the OP 599 rpts.!

5/6 15m phone net - W6ZE/AF6C checks in XO, YZG, NGO, ULU, RND, BT, ULU/5 in Greenbriar, Ark., and XTJ/5 in Lonoke, Ark. IXN, home late frm the hosp., listens on the side. AF6C gets XO's message thru to the XYL. RND has awakened his interest in the guitar since the desert Campout. AF6C misses net last week due to LA riots. And IXN misses other OP remarks!

5/6 2m phone net - W6ZE/IXN checks in FHU, NG7D VDP, QW, RND, RE, ZH & TAM, AF6C, FHN, ONZ & FZE, HHC, & XQR (by landline). XQR VEs Bob Maller's ham class tonite. And NG7D says WJJ is called to duty in LA during the riots to protect firemen. What's this!..John gets his own QSL bk frm Australia?! VDP hears familiar OPs on 6m frm Hawaii today, & Larry checks out the Club Kenwood fer OP use! Any takers?! QW throws a packet board in the new IBM, has 15m QSLs well over the 100 mark on the way to 5-band DXCC, & installs HAMBASE (a call book) on the hard disk. RND prepares to visit fire stations in prep. fer emergency service in Orange. RE & XYL go out fer dinner on Ralph's BD, Cinco de Mayo! However, Ralph & XYL didn't 'belly up to the bar' wid the joyous crowd! During rioting, TAM ducks low as she passes 2 gunmen robbing a Del Taco! And ZH thinks of the ZD8Z on Ascension Is., worked CW, as he passes burned out 'shells' along Imperial Hwy! And TAM says Huntington Park almost burned to the ground! FHN tells OPs abt Gold Wing Road Riders Assoc. net, which meets on simplex freq. 144.375 every Tues. eve. at 8:00 pm. Principally a motorcycle net, the NC is Ron, WB6ZEI. HHC, not dressed in battle gear, joins a Marine convoy heading fer LA frm Camp Pendleton. Ken was only along fer the ride! HHC passes along WT6A's request fer student demo. to son of student in Peace Corp in South America. KAA/M has plans to go north clouded by LA riots. ONZ & FZE 'fly in & fly out'.

5/8 40m CW net - W6ZE/RND checks in IXN, NT, ZH, & HYL. IXN gets landline frm Blanche. Wyatt, BPX, is bk in the hosp. wid bladder infection & will undergo a prostate operation. NT hears all OPs FB. RND tells IXN & crew that widout earthquakes & riots, things are rather boring now.

Hi..Hi! ZH fools IXN, who thinks Chris is operating hand key..No way!..It's keyboard CW! All OPs welcome Chris to the net! HYL tells OPs that Target will hve Innova battery packs on sale fer abt \$30!! And RND can't find ZH's name on the Club roster!

5/13 15m phone net - All quiet on 21.375!

5/13 2m phone net - W6ZE/IXN welcomes KD6HQW, Scott, to the net as we check in ZH & TAM, RE, VDP, KE, HQW, RND, FHU, TL, ESD, DBY, XQR, QW, OPI & FZE. ZH & TAM entertain IBP & IBR over Mother's Day, including Sun. brunch! And TAM helps Chris sort 139 QSLs in prep. for the DXCC award! RE's back rebels when Alex attacks the weeds! Now Alex 'tenderly' records Newline, & reminds OPs not to forget early bird ARRL Convention registration before May 15! VDP discovers QW's 6m rig needs an amplified mike to work properly. And Larry tells OPs that the new Swapmeet in Ontario charges a \$15 sellers' fee. Larry will visit an electronics only Swapmeet every 3rd Sat. of the month at Rio Hondo College next. QST!..Larry still has the Club 520 ready fer loan!! Last Sat. nite, KE garners a Russian OP in Kamchatka, & Carmine readies his OSCAR station fer FD, mode B operation! KE tells OPs that the Tustin Marine Air Station is ours fer FD! HQW, talking computereez before net, joins the roundtable. Welcome, Scott! Age 14, Scott needs a ride to meetings. Call HQW at 968-3788 in FV, if you can help! RND announces that 15m CW net will now be the 40m CW net, meeting on a freq. of 7.140 MHz., + or - QRM! And John is 'dragging' after repairing a roof near the Colorado River! XQR VEs at ICOM over the weekend, & Dorothy, ZNC/temp AG, passes her General!..Congrats., Dorothy! IXN tells FHU abt Ohio motorcyclist who was interested in FHU, FLP, & FHN's upcoming 4-corners tour of the U.S. And Dewitt tells OPs abt the new Yaesu 2400H just installed on his bike, wid 5, 25, & 50 W out! And RE questions FHU abt anti-burglary measures! TL flies in & 'flies the coop'! ESD interrupts his ballroom dancing lessons wid the ladies at the Senior center long enuf to work ZS5J, John, on 14.226 MHz phone, in S. Africa! DBY voraciously attacks the code, wearing out 2 tapes, and in the process of procuring more!..Take note, RND! Doug WILL be General before long! QW leaves at 6 AM Fri. morn., fer a wks vacation in Ft. Myers, Fla. And Rolf is pleased wid the two special QSLs frm an XE 21 in Mexico, & an EG 7 in Costa del Sol, Spain! OPI & FZE manage to get groceries, as Cindy keeps vy busy wid the Red Cross activities!

5/14 40m CW net - IXN arrives home late! W6ZE/RND has already checked in NT, HYL/KM6UF (congrats on new call, Larry), XQR, & KD6HAK, Lee, in Lemoore near Fresno, after net! John & Larry discuss the new Ticket. IXN frantically tunes up near end of net, & Lee, HAK, listens on side to most of the net. Hm!..XQR will make sure that Phil & Ray get together!..(Nosy IXN missed this one!) We will all 'eyeball' at Fri. Club meeting!

5/20 15m phone net - W6ZE/AF6C checks in NGO, IXN, XO, & XTJ. Kei still awaits the Club decision on new homes

Continued on Page 4

Net Notes - Continued from Page 3

for Club FD equipment. And Kei finishes a 75' cable for one FD tower! IXN says BPX is now home from rehab. for the stroke, & is enjoying Blanche's cooking! XO attends a wedding on Sat. & takes it easy on Sun., as Bob ponders problems with Imagewriter & Appleworks GS, & experiences success with a continuing healthy Club plant he received while in the hosp. XTJ has been home from the business/vacation trip back East, for about 1 1/2 wks., & AF6C misses net last week, installing a new dishwasher!

5/20 2m phone net - W6ZE/IXN checks in ZH & TAM, OPI, NG7D, VPP, ESD, RE, UF, PFA, XTJ, LRF, AF6C, VDP, RND, QOY, HHC, & UK. ZH will make copies of FD Proclamation for backup if IBR misplaces them! And TAM isn't feeling well, with inflammation of the sinuses & proboscis (nose, that is!), bronchitis & Walking Pneumonia! OPI is at the QTH tonight, playing with the buttons on the new toy...a Kenwood 741! And ONZ calmly washes the truck! NG7D keeps one eye on the TV as he & OPs tax PFA for the fine ATV program at last Club meeting! And John must shop for a Canadian VE who calls long dist. to have NG7D procure an item for him! VPP, about 50 mi. north of Eureka, is there in time to feel the aftershocks of the 6.9 Petrolia event. And Bud comments on good 2m DX in the area! LRF laments missing the good Brownies at Club meeting, & Scott enjoys So. CA. WX, compared to TX WX! PFA extends ATV PR over the weekend at the Mall! And Tom asks for Keplerians on the U8MIR-1 space probe! AF6C & IXN provide some leads for PFA. RE has trouble with sensitive discs in his back & tells OPs that S2/HASBUS has been accredited for DXCC! Ralph airs Newsline, & for a Clean Air Petition (clean up bands), send an SASE to: Clean Air Petition, Ham Radio Business Council, P.O. Box 5832, St. Louis, MO. 63134. ESD continues to 'trip the light fantastic' with the senior ladies at dance classes, but wasn't too tired to work WZ6C/S2 on 15m SSB in Bangladesh (QSL thru W4FRU). XTJ combines business with pleasure on the trip back East, presenting a professional paper, operating HF, while visiting Fla. Keys & up East Coast! HHC enjoys the new QTH, when not busy working! Ken just got back from Chicago! VDP investigates the mysteries of his new 4-button CMOS Super Keyer, & recommends a horizontal or vertical loop for OPs who need a cheap antenna! Larry also recommends the new Rio Hondo Swap Meet to OPs! RND busies himself operating Armed Forces Day, CW & sideband, honing up his split operation skills! And DeWitt, FHU, now becomes KM6United Kingdom, just before he & FHN & FLP take off next Tues. on their '4-Corners U.S. Motorcycle Trip'! QOY 'flies in & flies out'.

5/21 40m CW net - W6ZE/RND checks in ZH, NT, XQR, VDP, UF, NT, IXN, & BWQ. Look out, Bobs!..Here come the Larrys! (UF, VDP, etc.!) 'Pro' Nancy sneaks BWQ, Anita, on the net much to the delight of the OMs!..Love it!..CW is becoming more 'interesting' by the day!! VDP can't stay..Chow

on the table! XQR puts the landline on hold..misses her dinner..net too interesting! ZH works a VQ9WM on 15m, takes Jane to the Dr., & TAM feels better after getting some 'stulff' for the cold! Congrats, Anita!..FB 1st check-in! UF tries to get LRF, Scott, to 'massage' the key for a bit, but Scott backs off for the present! Step up the current, Larry..Increase the 'lines of force' & 'thunk'!..Scott's hand will be irresistably drawn to the key! IXN keeps the seismometers quiet thru out net, & NT has RND move the net up "1" to get rid of the interfering carrier!

5/27 15m phone net - W6ZE/AF6C checks in IXN, NGO, RND, & XQR. AF6C tells IXN to announce available manuals, books, magazines from the 1942-57 era, on the 2m net. Bob will have a list available for the Club breakfast. NGO gets thirsty..Kei goes for a drink of 'water'! AF6C suggests to Kei that HHC 'clean the re-bar'! RND suggests that AF6C bring old publications to next Club meeting for OP scrutiny! IXN cuts up his 'QSTs', while RND photocopies interesting articles! XQR suggests we notify BPX's XYL, Blanche, about new Sat. Breakfast restaurant, Rickys, at Westminster & Euclid.

5/27 2m phone net - W6ZE/IXN checks in ZH & TAM, OPI, NG7D, RND, RE, XTJ, VDP, XQR, UF, & LRF. ZH works 4J1FS, MV Is., Malyj Vysotskij Is., north of Russia, & picks up QSLs from Easter Is., Wales, an FJ5, & Kuwait, while TAM helps Chris send out numerous QSL cards! OPI/M hears us better in San Pedro than she does in Garden Grove! Cindy works on press releases for Club meeting & FD. NG7D & fam. motor to 'Lost Wages' for the Memorial Day weekend, where they are entertained by a spectacular lightning & thunder storm..(slim pickings, otherwise!). And RND 'drools' when he hears about NG7D's purchase of an old Century 21, 35 W, rig! RND expects to hear it on the CW net tomorrow eve.! John also informs OPs of new CW net freq.: 7.141 MHz, + or - QRM! RE, IXN, NGO, & other OPs watch the auto carnage at Indianapolis. RE has been to the 'Indy' races 3 times, & XQR worked on programming for the Indy Races for 3 yrs. RE tapes the Race for further review, gives sunspot rpt., & airs 'Newsline'. XQR & XTJ give RE weak sig rpts tonight! IXN comments on the fallacy of earthquake prediction with accuracy at this point & time in history, & XTJ busies himself with computer projects & an interesting T-hunt north of Bakersfield where the xmtr had 2 ants, one vert. & one horiz., pointing at 2 different mountains! VDP almost completes the 100 grid squares on 6m, with help from a 6m opening last Sat.! With equipment borrowed from QW, Larry will tune up a CB Ringo ant. for the 10m band! UF stalks DX, capturing the Ivory Coast & a V85 in Brunei. Larry didn't get MV Is...yet! Excuses! Excuses!..LRF won't be on CW net tomorrow eve..He's 'baby sitting'! But Scott regains gainful employment at the Seal Beach Naval Base to get money for more gear, & an upgrade to Advanced soon! RE asks OPs to contact Corky Corcoran, 557-6230 for help with Sunday's Triathlon to benefit the Performing Arts Center.

**Thursday Night CW has moved to 40 meters.
The Net is now on 7.141 plus or minus QRM**

**Amateur
Radio & Electronics Show*
(Swapmeet)**

Day/Time
3rd Saturday Each Month
7:00 a.m. - 11:00 a.m.

Location:
Rio Hondo College
3600 Workman Road
Whittier

Talk-In Frequencies:
146.175+, 223.620-, 445.925-

If you have any questions,
contact:

Mike Wulfestieg, N6RHZ
President, CMRA
(714) 537-4230

Sellers' Permits Sold at
Gate. Contact:
Hugh Headlee, N6SAY
Director, CMRA

*Sponsored by California Micro-
wave Relay Association (CMRA),
a non-profit corporation, dedicated
to disaster communications; an
Amateur Radio Emergency Ser-
vices (ARES) member.
Co-sponsored by Rio Hondo Ra-
dio Club (RHARC).

**No-Code Technician
Weekend Classes
Fountain Valley**

Bob Gregg, AB6CH
Instructor

June 26, 27, 28
July 24, 25, 26
August 28, 29, 30

CALL
(714) 375-0387

**Minutes
General Meeting
May 15, 1992**

The meeting was called to order at 7:32 pm by Frank Smith, WA6VKZ. Board Members absent were Ken - W6HHC and Mike - K6KAA.

Program

Elmer "Tom" Thomas WA6PFA showed a video tape on Amateur TV and gave a demonstration. Many club members were caught on "Candid Camera" and experienced a Video QSO.

New Business

Kei Yamachika - W6NGO - can no longer store club equipment for Field Day. He will donate the utility trailer and stated that all equipment must be kept under cover. Skipper stated that he is willing to store equipment for the club.

Gary - KD6JBS - has volunteered to print the RF for the club.

Old Business

Field Day

Dave - W6COJ - needs an up to date membership roster to give to the MCAS Tustin MPs to allow access for club members to the base. Frank - WA6VKZ - suggested that interested members meet at 1 pm on Friday, 6/27/92 at the Field Day site to preliminary set up. Band Captains who need shelters are to notify Frank by the June breakfast. The club is planning to operate 5A with one station operating 80/10 meters, one on 15/40 meters, one on 20 meters CW, one on 20 Phone, one on VHF/UHF, an OSCAR/PACKET station and a novice station.

Good of the Club

Bob Tegel - KD6XO - announced that the California Classic Carraige Event will be held on 8/8/92. Volunteers to handle communications are needed.

Alex - W6RE - announced that Armed Forces Day cross-band commuications with MARS stations will be held on 5/16 and 5/17. El Toro MARS will listen at 14.280 and will transmit on MARS freqs above 14.350. They will transmit RTTY, CW, and Phone.

Police Expo will be held 5/16 and 5/17 at the Orange Mall.

Ron - N6VO/FO5VO announced that his new QSL cards for his recent Tahiti operation will be ready in about 1 month. Hams who worked him will get a card.

Treasurer's Report

Checking - \$1,124.04
Savings - \$1,164.08
Cash O/H - \$ 93.00

The meeting adjourned at 9:40 pm.

Respectfully submitted,

Jane Breller - KC6TAM Secretary

**Minutes
Board Meeting
June 6, 1992**

The meeting was called to order at 9:00 am by Frank Smith - WA6VKZ.

Board Member absent - Bob AF6C.

Old Business

Field Day The club will be operating 5A from MCAS Tustin. Stations will be: 20 meter Phone (Nancy N6XQR), 20 meter CW (Phil WA6LDJ), 40/15meters (Larry KM6UF / Ken W6HHC), 75/10 meters (Elmer WA6PFA), VHF/UHF (Mike K6KAA) and the following stations which count for score but not for class: OSCAR (Carmine AB6KE) and NOVICE (Elmer WA6PFA). Field Day cook is Don KC6ONZ. Cindy KC6OPI has press releases prepared. Frank will need helpers on 6/27 from 1 pm on to do preliminary set up of the site. Kei will mow the site on Thursday if required and will drill holes for towers on Friday. Carmine will order 2 Port-a-Potties. Shelters were discussed and the club will rent 2 tents.

New Business

No new business was discussed.

The meeting adjourned at 9:35 am.

Respectfully submitted,

Jane Breller, KC6TAM Secretary

Gordo's Demo Gear for Sale by Gordon West, WB6NOA

The success of my many amateur radio and marine electronic columns is a "hands on" approach to the equipment I am writing about. Unlike some reviewers who talk about equipment they have "seen" from a brochure, I write about equipment in use that I have personally tried, tuned, and tested. There is absolutely no way of coming up with a product evaluation by simply reading over the sales brochures, or going to the candy store and turning the set on and seeing what it sounds like. The equipment doesn't get a product review until it has been thoroughly put through its paces, opened up, accessories plugged in, and thoroughly run in different parts of the country.

In order to be objective, the equipment that gets reviewed gets paid for. After all, when someone lays a new handheld on you for free, it's pretty tough to be objective, isn't it? So I pay for everything I hold onto, albeit I do get a good deal now and then.

I now want to pass these good deals on to local amateurs looking for some gear less than a year old. Everything works up to spec, and some even beyond spec where I have modified it for expanded frequency use. I have the instruction books for most of the equipment. Things like antennas, bridges, and meters, you gotta figure out yourself.

DON'T CONSIDER THIS EQUIPMENT if you're a new ham. I cannot support any sold item with detailed instructions on how to use it, how to install it, nor do I have the time to twist your arm into buying this equipment that is probably beyond the normal factory warranty period.

BUT IT ALL WORKS GREAT--I just need to separate it out quick before I bring in more equipment this fall. I'll show you it works when you buy it, and after that, enjoy. It's great stuff at a fraction of the suggested retail price! Call MON-FRI, 10:00-4:00, 714/549-5000.

EQUIPMENT	VALUE	CASH COST
Dual-band 2M/440 mobile 45W X-ceivers (2) (Includes tone units, mods, DTMF mike, wow!)	\$600+ ea.	\$250 ea.
ICOM U-12 diode-program commercial H.T. (Incl. big base chgr. + big new batt.)	\$600	\$200
Kenwood TH-75A, dual-band H.T. .. modified w/tone (Incl. BC-11 rpd chgr. + big xtra-batt.)	\$600	\$300
2-meter H.T., mod., w/tone	\$400	\$200
Yaesu 23 R 2m H.T., used	\$375	\$150 w/tone + mod
220 MHz H.T. (works UPS),	\$349	\$150 syn. w/tone

EQUIPMENT	VALUE	CASH COST
AEA 10m SSB H.T. QRP	\$500	\$175
Kenwood TS-180 HF SSB solid state	\$785	\$250
Newer solid-state HF SSB	\$1165	\$300 all-TX, mods.
Mobile 10-watt, 10m FM X-ceiver ...	\$475	\$150
Synthesized 1270 mobile/portable ...	\$595 ea.	\$175 ea. X-ceivers
NCG 40m/15m/6m! X-ceiver	\$675	\$225
12 VDC 600W PEP HF SSB	\$1400 ea.	\$900 ea. linear amps (2) (Metron MA-100B w/mod. 410m)
Shinwa 25-999 MHz prom. scanner .	\$500	\$200 w/RMT (Best for mobile use)
Marine VHF H.T.'s brand new	\$450 ea.	\$225 ea.
Marine 25-watt VHF marine	\$500 ea.	\$250 ea. radios, new
Marine LCD fluxgate compass	\$450	\$100 (KVH)
1500-watt inverter, brand new!	\$1200	\$450!
Newmar marine voltage filters	\$99	\$45
3 big glass solar panels	\$125 ea.	\$50 ea. (About 1.5 amps on a sunny day each)
Outbacker HF mobile whip	\$295	\$99
High gain VHF marine/2m antennas	\$129 ea.	\$50 ea.
Shakespeare 2010 Winegard marine/	\$195	\$95
RV amp TV ant.		
Marine Loran set, w/ant.	\$595	\$125
2m moded 45 W mobile radio	\$279	\$175
Assorted mobile HF whips	Who knows? \$10 ea.	
Tonna F-9 F.T. 222 MHz big beam ..	\$179	\$50 (new in box)
Brand new marine SSB transceiver ..	\$2300	\$900! ham mods. (Brand new, meets Part 81 FCC requirements)
Yoman electronic plotter chart kit ...	\$500	\$250
Cable TV converter-unsrambler box	\$299	\$50 (works -worked great until cable co changed scramble format)
Cable box, MTS stereo decode amp ..	\$189	\$50
Asst. mobile VHF ants.	Who knows? \$25 ea.	
Dual-band radar detector, new	\$149	\$50
Mirage-B3016 2m power amp	\$350	\$175
45W dual-band 2m/440 mobile	\$600	\$300
2 used export high-powered cordless	\$480 ea.	\$150 ea. phone systems (Over-power, not on regular US cordless phone channels, 1 km range!)
Mobile mikes, (drawers full)	Who knows? \$2 ea.	
ICOM 1200 10W 1270 mobile	\$600	\$300 X-ceiver

All equipment is in storage. You must pre-arrange availability and pick-up. Seasoned buyers only to appreciate these give-away prices. No time to sell you or hold your hand getting the gear on the air. de Gordo, WB6NOA

Outbacker Antenna Review by Carmine Fiorello, AB6KE

The Outbacker antenna is a short 1/4 wave vertical antenna manufactured by Terlin Industries, West Australia. In Australia, much ham radio work is done via mobile/remote areas thus the demand for a rugged multi-band mobile antenna was realized by Terlin Industries. An American, Don Arnold, WD4FSY, while traveling through the outback of North Australia noticed many Land Rovers and trucks using these multi-band antennas.

The epoxy resin coated multi-band antenna is built around a fiberglass core with a helically wound copper wire with specific tap points for each band. Don, WD4FSY, noticing the versatility and ruggedness of this antenna reached an agreement with Terlin on exporting these antennas to America. The Outbacker comes in different versions: a short 4 foot Junior, a 6 foot two piece version and a 6 foot one piece model with 10 - 12 - 15 - 17 - 20 - 30 - 40 - 80 meter tap points. Also Terlin makes a marine version with the appropriate frequencies.

The unique feature about this antenna is the "wander lead" which is a tap which is wound counter-clockwise around the antenna from the base tap to the band that is selected. The antenna has a locking feral with an adjustable stub at the top for precise SWR adjustments. The band-width specs are: 10m - 500 kHz; 12m - band; 15m - 275 kHz; 17m - band; 20m - 200 kHz; 30m - band; 40m - 140 kHz; 75m - 25 kHz. The power rating is 300 watts P.E.P.

This antenna, for being a short vertical, performs well -- I have made many DX contacts: VK4BJC, 40m SSB; many 15 - 17m contacts: VKs, ZLs, UAs, PAs, IAs, JAs, FK to name some. I have QSL cards from many of these stations to verify the solid contacts. Most every night on 17m, I usually enjoy a "rag chew" with ZLs or VKs. I often kid them

that the antenna seems to favor propagation towards "home." Many are surprised to hear the signal it produces, for running barefoot.

I have tried Ham-Sticks, Fly Catchers, Hustlers to name a few and none of them seems to have the DX capabilities. This is my personal opinion. The above mentioned antennas seem to have a stronger local (0-500 miles) signal, but over 1500 miles, the Outbacker seems to pull away. I counter/poise this antenna on a 60' wrought iron fence in my back yard. (CC&Rs, HI HI) The antenna (6 foot version) costs \$275 plus a rugged base spring mount -- \$70.

To receive more information on this antenna, contact: Don Arnold, WD4FSY, at (615) 899-3390 7:00 PM to 11:00 PM EST. Any questions aside from that, I will try to answer.

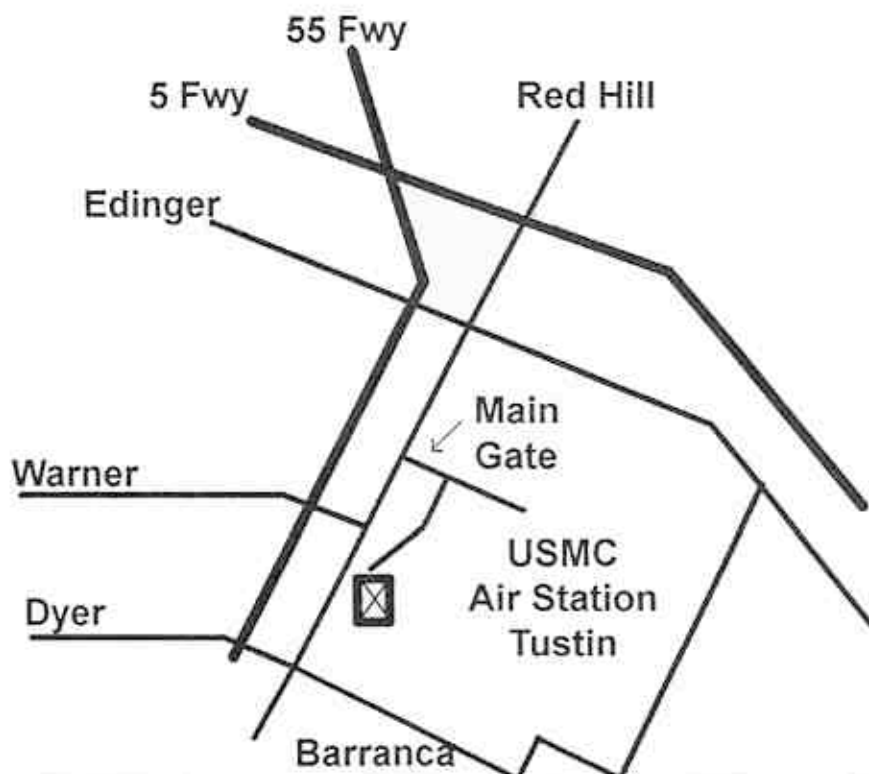
OCARC Field Day Site

Friday, June 26 - 1:00 PM -- Antenna Set-up

Saturday, June 27 - 8:00 AM -- Station Set-up

Saturday, June 27th 11:00 AM to Sunday, June 28th 11:00 AM

FIELD DAY



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Sept. 25, 26, 27 -- Los Angeles
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Nov. 13, 14, 15 -- Los Angeles
Dec. 4, 5, 6 -- Irvine

General Code Class

Dan Fort, AA6LM, Instructor
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Sept. 26, 27 -- Los Angeles
Oct. 10, 11 -- Irvine
Nov. 14, 15 -- Los Angeles
Dec. 5, 6 -- Irvine

Gordon West Radio School, Inc.
2414 College Dr.
Costa Mesa, CA 92626
(714) 549-5000 HOT LINE 10-4

CLUB MEETINGS

GENERAL MEETING

June 19th

July 17th

August 21st

BOARD BREAKFAST

July 4th

August 1st

General Meeting is the 3rd Friday of each month at 7:30 PM
Anaheim Emergency Operations Center

909 East Vermont Anaheim, CA

West of 2nd set of railroad tracks.

A big antenna is in front with a red light on top.

Vermont runs east and west between Harbor and State College

Vermont is north of Ball and South of Lincoln

Board Meeting is the 1st Saturday of each month at 8:00 AM
Ricky's Restaurant-- Members and Visitors are welcome
10911 Westminster Ave. Garden Grove, CA (714) 539-7538
Northwest corner of Westminster and Euclid. South of 22 Fwy.

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	Wed	8:00 PM	21.375*	AF6C
2 Meters	FM	Wed	8:30 PM	146.550 simplex	WB6IXN
40 Meters	CW	Thur	8:00 PM	7.141*	WA6RND

(Listen for W6ZE, Net Control) *Plus or minus QRM

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