



THE COMMUNICATOR
NOVEMBER 2005

Contra Costa Communications Club, Inc An ARRL Affiliated Repeater Group Dedicated to Service



General Meeting

October 9, 2005

Meeting was called to order by our club president, Don. Introductions were made around the room. Robbie, N6MNL, was at the meeting. Welcome back Robbie!!!! Our Christmas party will soon be here. When you receive your notice of the party and are interested in attending, please make your reservation as soon as possible. Thank you. Net Control: The morning nets are going "Peachy Keen". We would like to thank Bob, AB4AL, and all his helpers for running the Thursday evening Tech. net. You are all doing a great job. Thank you!! No old business. No new business.

Repeater Fund: \$50.37

World Radio: Alex Vilaikam--AI3X

Free Breakfast: Dan Kelley--

KF6HQO Progressive Raffle: George Gabriel--WA6KQB

Meeting Adjourned 8:11 a.m.

Submitted by: Burgie KE6MSF

Board Meeting

October 9, 2005

The 440 antenna was taken down. It will be analyzed, cleaned if necessary, and put back up as soon as a few of the members are able to do so. Meeting adjourned at 8:34 a.m.

Submitted by: Burgie KE6MSF

MEMBERSHIP:

We are pleased to welcome Jack, K6JEB, as a new member. Jack holds an Extra class license, is an ARRL member, and works for UC Berkeley.

Jack Burris, K6JEB

6527 Arlington Blvd

Richmond CA 94805

E-mail: jackspace@yahoo.com

CCC RACES

2005 Training

Meetings concluded for 2005

Watch for 2006 dates.

Check the Races Net for Location and Time of Training.

SUNSHINE OPPORTUNITIES

Robby, N6NML
Juniata, KC6KAR
Ralph, W6NGE,
Barbara, KD6OKJ,
Jenny, KF6HEX,
Sharon, AA6XZ,
Roland, WA6NVX,
Dan, KF6HQO,
Howard KA6CRG

FUTURE EVENTS

CCCC Meetings:

Held at Denny's on the corner of San Pablo Ave. and Potrero Ave in El Cerrito **Breakfast at 7:15 a.m. Club meeting at 8:00 a.m.** Board meeting at 8:45

November 13, 2005

December 11, 2005 Christmas Party

REMINDER

The Christmas Party is on

SATURDAY

Dec 10, 2005

Seating starts at 12:30 pm

See announcement for more information .

If know of anyone that should be on the SUNSHINE List please be to let the editor know. E-mail or call, Victoria KE6FSU

ARRL LETTER Excerpts From September and October Letters

Katrina radio public service announcement available! ARRL is making available a 30-second radio public service announcement (PSA) to highlight that ham radio has been on the air throughout the Hurricane Katrina crisis, passing emergency communications when other systems failed. Dozens of stations across the country already are playing earlier ARRL "mini-commercials" for ham radio, and the numbers keep growing. You can help by listening to, then downloading, the latest PSA

<<http://www.arrl.org/pio/ARRLkatrina.mp3>> from the ARRL Web site here onto a CD and taking it to your local radio stations. To download the MP3 file, right click on the above link and choose "Save Target." The latest 30-second PSA was made possible by Johnny Donovan at WABC (770 AM) and Howard Price, KA2QPJ, of WABC-TV (Channel 7), both in New York City.

"When All Else Fails" graphic available: Responding to a member's suggestion, ARRL is making available its graphic on the theme of "When All Else Fails... Amateur Radio." The image is available in several sizes and can be found on the ARRL Web site logos page <<http://www.arrl.org/logos/waef/>>.

DXCC Desk approves operations for DXCC credit: The ARRL DXCC Desk has approved these operations for DXCC credit: KH9/AH8H, Wake Island, for operations in 2003 and 2004; TT8BZ, Chad, March 31-August 23, 2005; 5X1B, Uganda, August 3-12, 2005. For more information, visit the DXCC Web page <<http://www.arrl.org/awards/dxcc/>>.

"DXCC Frequently Asked Questions" can answer most questions about the DXCC program <<http://www.arrl.org/awards/dxcc/>>. ARRL DX bulletins are available on the W1AW DX Bulletins page <<http://www.arrl.org/w1aw/dx/>>.

ESA announces SSETI Express telemetry download competition: The European Space Agency (ESA) education department has announced an award to the radio ama-

teur who submits the largest number of valid telemetry and payload packets from the student-built SSETI Express satellite. Telemetry may be received on any band to qualify for the award. SSETI Express is scheduled for launch September 27 from Plesetsk in northern Russia. It will downlink telemetry and payload data in AX.25 format at 9k6 bps on 437.250 MHz and at 38k4 bps on 2401.835 MHz. The satellite later will also be available as a single-channel Amateur Radio FM transponder. All radio amateurs interested in competing for this award are encouraged to download the necessary software from the SSETI Express Web site <<http://www.sseti.org/express>> and to use the SERACC system to forward the telemetry and payload data to SSETI Express Mission Control. Submissions will be automatically recorded, and the Web site will display a leader board, and the winner will be the amateur at the top of the leader board at 0000 UTC on January 1, 2006. The winner will be offered the opportunity to visit the Student Technology Education Conference and Exhibition next spring in Germany. The three day event is similar to the AMSAT-NA Symposium and the AMSAT-UK Colloquium. In addition, the winner will be invited to visit ESA's Mission Operations Centre (ESOC) near Darmstadt, Germany, for a private escorted tour of the facilities. ESOC currently controls many orbital and deep-space missions and will be responsible for the European Columbus module when it joins the International Space Station. The prize includes economy-class travel, accommodations and a modest daily subsistence allowance.

New W0 QSL Bureau manager, address announced: The W0 Incoming QSL Bureau has a new manager and a new address. Effective immediately, Norm McCourt, ACON, will take over the volunteer position from Rick Barnett, KB0U. The new address is W0 QSL Bureau, PO Box 907, Florissant, MO 63032. ARRL Midwest Division Director Wade Walstrom, W0EJ, expressed thanks to Barnett, the Kansas City DX Club, and "the host of sorters" throughout the tenth district for their dedication and hard work in making the bureau

a success for the past 15 years. "We wish Rick the best as he starts a new job in Washington state," Walstrom said. "Also, thank you to ACON and the Mississippi Valley DX and Contest Club for stepping forward to take over the bureau operation." For more information on US QSL bureaus, visit the ARRL Incoming QSL Bureau System page <<http://www.arrl.org/qs/qslin.html>>.

CONNECTICUT NATIVE IS ARRL'S NEW MEMBERSHIP MANAGER

Sarah Dorsey, a native of West Hartford, Connecticut, is the ARRL's new—and first—Membership Manager. She officially assumed her duties at ARRL Headquarters October 5. Her primary focus will be on developing membership recruitment and retention strategies to increase membership growth. She'll also support member and customer service. While not yet a radio amateur, Dorsey says she's "absolutely" looking forward to the challenge of her new responsibilities, and a ham radio licensing class is on her short list. "I enjoy work that is personally meaningful," she said. "I've been fascinated with learning about ham radio operators and the crucial role they played and continue to perform in the rescue and recovery efforts for Katrina and Rita. I look forward to the day when I'll also be able to work side by side with our members."

Field Day 2005 results now available to ARRL members: ARRL members may now access the ARRL Field Day 2005 Web report and Scores database on the ARRL Web site <<http://www.arrl.org/members-only/contests/results/2005/FD/>> (you must log on to the ARRL Web site as a League member to view these pages). The December issue of QST will include a full report on ARRL Field Day 2005. Non-members will be able to download a PDF file detailing the results on or about November 1. For more information, contact ARRL Contest Branch Manager-Dan Henderson, N1ND, <n1nd@arrl.org>.

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ARRL PARTNERS WITH THE SALVATION ARMY FOR HOLIDAY TOY DRIVE

The ARRL and The Salvation Army (TSA) have partnered up for the 2005 ARRL Holiday Toy Drive. ARRL Media and Public Relations Manager Allen Pitts, W1AGP, is the League's point man behind the effort to brighten the holidays for youngsters displaced or left homeless by the Gulf Coast hurricanes. He points out that TSA's distribution network throughout the region remains intact. In addition, Pitts says, TSA can screen recipients and ensure that the gifts go where they are truly needed the most. "We are asking hams from all over the country to begin gathering new toys and shipping them to Memphis, Tennessee," Pitts said this week. "ARRL Delta Division Vice Director Henry Leggette, WD4Q, has secured a receiving warehouse and is coordinating ham-elves volunteering there." Toys go to: ARRL Toy Drive/The Salvation Army, 1775 Moriah Woods Blvd--Suite 12, Memphis, TN 38117-7125. There volunteers will sort and stock them. Early in December, the toys will be transported to Salvation Army facilities in hurricane areas that need help the most at that time. National Toy Drive Chairperson and award-winning country music artist Patty Loveless, KD4WUJ, has joined with family and friends--including producer Richard Lubash, N1VXW--to make three videos promoting the drive. Loveless says caring and helping are a big part of what ham radio is all about. "Those things are the major traits of our tradition," she said, "and we, as Amateur Radio operators and ARRL members, can continue the truespirit of that tradition by supporting this wonderful and much needed effort." The ARRL is asking Amateur Radio operators to put a QSL card into the box with their donated toys. Pitts says many ham

radio clubs already are gathering toys for this year's drive. "Please check with your local club and see if they are planning a mass shipment," he suggested. "If not, perhaps you can help organize one for your area." ARRL President Jim Haynie, W5JBP, noted that last year, hams from all over the country brought smiles to children during the holidays. "We made a lot of friends, and we did a lot of good," he said. "No one expected that we would need to do it again, but the recent hurricanes' destruction has changed the plans of a lot of people. I hope you will help in this effort to bring a smile to children hurt by these disasters." Unwrapped new toys for boys and girls of ages 1 to 14 should be collected and shipped to the Memphis facility between now and Thanksgiving for distribution over the holidays. Non-hams are also encouraged to join in this effort to provide for the thousands of children left homeless or displaced due to the Gulf Coast hurricanes. Cash donations from ARRL members also are welcome to help cover such Toy Drive expenses as truck rentals and purchasing toys for special age groups. Send donations to: ARRL Toy Drive, 225 Main St, Newington, CT 06111.

VANITY PROCESSING COULD BE ON HIATUS UNTIL LATE DECEMBER

Thanks to Hurricane Wilma, the FCC likely will not be processing any vanity call sign applications until late December. The Wireless Telecommunications Bureau (WTB) halted vanity processing on or about September 23 after realizing that filing and regulatory deadline extensions for licensees in certain states affected by hurricanes Katrina and Rita could affect the vanity program. This week, the FCC announced an additional extension--until December 22--for licensees adversely affected by Hurricane Wilma. Because all three extensions apply to Amateur Radio's two-year "grace period," they could have an impact on vanity call sign processing. A WTB spokesperson said that the Wilma deadline extension probably would have

the same effect on vanity processing as the previous two. "It looks like it's going to be the same thing carried forward," Tracy Simmons told ARRL. He said amateur licensees can continue to file vanity call sign applications, but these will not be acted upon until the WTB resumes vanity processing. Then, all pending vanity call sign applications will be processed in the order they were received. Simmons indicated that the WTB would revise its Universal Licensing System (ULS) Web page "alert" telling applicants that vanity processing has been suspended "until further notice" to reflect the latest deadline extension. In a public notice issued October 25, the WTB made clear that the Hurricane Wilma deadline extension only applies to "affected licensees and applicants in Florida and the Gulf of Mexico." For Part 97 licensees, the extension applies primarily to license modification and renewal application deadlines. According to this week's public notice, the WTB will require affected applicants to attach a "Hurricane Relief Certification" with any filings taking advantage of the extended deadlines. "WTB will rely on certifications by licensees and applicants at the time they submit their filings as proof that relief is due and the filings are timely," the FCC said. The FCC halted vanity processing to avoid such potential problems as re-issuing the call sign of an affected individual in one of the designated states whose license has expired but remains within the two-year grace period for renewal. Under Part 97, Amateur Radio licensees have two years from the date of license expiration to renew their tickets without having to retest or risk losing their call signs to a vanity applicant. WTB has temporarily disabled the "auto-termination" feature of the ULS so that it will not automatically cancel

(Continued on page 4)

Contra Costa Communications Club, Inc publishes the Communicator monthly for the benefit of club members. Material for potential articles is welcomed. If possible submit articles by e-mail or disc. **The material contained herein is intended for the use of current and potential club members.** General material printed within the newsletter may be reproduced. **Any personal information, member's address, phone numbers etc, is not to be reproduced.** If you miss an edition or want to change to e-mail contact the editor - Victoria, KE6FSU 510-724-4966 or KE6FSU@sbcglobal.net

ARRL LETTER Excerpts Continued from page 3

any licenses not renewed by the end of the grace period. On September 1, the FCC extended until October 31 all filing and regulatory deadlines falling between August 29 and October 30 for licensees in Mississippi, Alabama and Louisiana affected by Hurricane Katrina. On September 24, it extended until November 21 all filing and regulatory deadlines falling between September 20 and November 20 for licensees in Louisiana and Texas affected by Hurricane Rita.

The FCC has not announced when vanity processing will resume, but at this point it appears unlikely that the date will be any sooner than December 23. It typically takes approximately three weeks for the FCC to process a vanity call sign application. In August, the FCC raised the vanity application fee to \$21.90. The October 25 public notice is available on the FCC's Web site

CONTRA COSTA COMMUNICATIONS CLUB, INC. 2006 MEMBERSHIP RENEWAL

Dues are due January 1 and become delinquent on March 1. Renewals received after March 31 will not be in the 2006 Roster.

DUES:

- Charter \$10.00
- New Life Membership 10 times your dues (\$25 x 10 = \$250)
- Life Member Renewal (Supplying Information Only)
- Regular \$25.00
 - Family Membership \$15.00 (with a regular or retired membership)
- Retired Membership \$15.00

(Circle one)

Name: _____ Call Sign: _____ Class _____ **ARRL** Member Y N

Name: _____ Call Sign: _____ Class _____ **ARRL** Member Y N

Name: _____ Call Sign: _____ Class _____ **RRL** Member Y N

PACKET BBS: _____ PERSONAL PACKET MAIL BOX FREQUENCY: _____
EchoLink Node Number _____

CHECK YOUR ROSTER LISTING IF ANYTHING CHANGED PLEASE COMPLETE:

ADDRESS: Home: _____ Mailing (If Different) _____
City: _____ Zip: _____ City: _____ Zip: _____

E-MAIL: _____ Phone Number: _____

TOTAL ENCLOSED \$ _____ **DO NOT MAIL CASH**

Make check payable to: **CONTRA COSTA COMMUNICATIONS CLUB** Mail it **AND** this notice to:
CONTRA COSTA COMMUNICATIONS CLUB, INC.

**P.O. BOX 20661
EL SOBRANTE, CA 94820-0661**



Holiday Party
Saturday December 10, 2005



1:00 PM

(Seating begins at 12:30)

Bakers Square
1680 Willow Pass Rd. Concord, CA

Slow-Roasted Turkey Breast
Salmon
Yorkshire Pot Roast
Chicken & Vegetable Stir-Fry

All of the meals include coffee or a soft drink,
Apple or Pumpkin Pie for desert

Payment and Reservation Form must be received by: November 30, 2005

Name (s) _____

Call Sign (s) _____

Adults (number for each entrée & pie)

___ Turkey Breast

___ Salmon

___ Yorkshire Pot Roast

___ Chicken Stir Fry

___ Cup of today's soup

___ Salad

___ Apple Pie

___ Pumpkin Pie ___ Whip Cream, ___ No Whip Cream

Children (number for each entrée & pie)

___ Cheesy Macaroni

___ Chicken Strips

___ Turkey and Mashed Potatoes

___ Kid's Pasta

___ Apple Pie

___ Pumpkin Pie

___ @ \$ 18. 00 per Adult = \$ _____

___ @ \$ 5.00 age 5 thru 10 = \$ _____

Total \$ _____

Make Check payable to: "Contra Costa Communication Club"

Mail to: P.O. Box 20661, El Sobrante, CA 94820-0661

(Yes you can include your dues on one check)

2005 CONTRA COSTA COMMUNICATIONS CLUB, INC.

DAILY AND WEEKLY NETS

DAYS	NET CONTROLLER	REPEATER/NET NAME/TIME
MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY	DAN – KF6HQO (Backup CHET – WA6PAC) BURGIE-KE6MSF, JAN-N6UYE [ROTATE] BOB-W6WTJ GARY – KG6RJA BOB – AB4AL ALTERNATE STAN-KB6SEI	145.110 OVER-THE-HILL 7:10 AM
WEEKLY - TUESDAY	ED-KA6OFR ALTERNATE ROBBY - N6MNL	224.300 QRM NET 7:30 PM
WEEKLY – WEDNESDAY		
WEEKLY - THURSDAY	ROTATE	145.110 WEST CONTRA COSTA CTY ARES/RACES 6:45 PM
WEEKLY - THURSDAY	ROTATE THURSDAY NIGHTS IN ORDER ROBBY-N6MNL, ANDREW-KM6VT, ALTERNATE: FRED-KC6VLL, BARBARA-KD6OKJ BOB – AB4AL, DAN – KF6HQO	145.110 CLUB NET 7:30 PM
WEEKLY - THURSDAY	BOB – AB4AL	145.110 TECHNICAL NET 8:00 PM
WEEKLY – SATURDAY & SUNDAY	JOE LEE, W6DOB	145.110 ARRL TRAFFIC NET 7:30 PM

CONTRA COSTA COMMUNICATIONS CLUB, INC.

Club Officers FOR 2005

THANKS FOR YOUR SUPPORT

President: Don Hamma, KE6ZFP (2006) 510-526-6823
 V. President: Ed Caine, KA6OFR (2007) 707-996-0962
 Secretary: Burgie Jones KE6MSF (2006) 510-964-1476
 Treasurer: V. Thompson, KE6FSU (2005) 510-724-4966
 Trustee: Robby Robinson, N6MNL (2014) 510-222-4990
 Director: Natalie Mealer, WA6QVM (2005) 209-365-9942
 Director: Robert Gregory, AB4AL (2007) 707-552-1403

Emergency Coordinator ARES/RACES West County -
 Stephen Adams-KF6WNH 510-236-9770

Repeater Controller's
 [Call & Report any Problems/Concerns]
 Robby.....N6MNL.....510-222-4990
 Ed.....KA6OFR.....707-996-0962
 Red.....N6UMG.....510-223-6269
 Ken.....KA6TUX.....510-758-8681
 Gabe.....WA6KQB.....510-222-1523
 Howard...KE6PTT.....925-798-7208
 Eric.....KE6YNI.....510-741-1917
 Bob..... AB4AL..... 707-552-1403

Committee Chairperson

Membership:
 Barbara Grazer, KD6OKJ 510-222-4990
 Technical:
 Robert Gregory, AB4AL 707-552-1403
 Assist. Technical:
 Howard Burk, KE6PTT 925-798-7208
 Packet:
 Robby Robinson, N6MNL 510-222-4990
 NARCC:
 Robby Robinson, N6MNL 510-222-4990
 Picnic:
 Fred Neiman, KC6VLL 510-223-1748
 Christmas:
 Barbara Grazer, KD6OKJ 510-222-4990

1 2 STORE BUYING POWER



HAM RADIO OUTLET

WORLDWIDE DISTRIBUTION

ANAHEIM, CA
(Near Disneyland)
933 N. Euclid St., 92801
(714) 553-7373
(800) 854-6046
Janet, K17MF, Mgr.
anaheim@hamradio.com

BURBANK, CA
2416 W. Victory Bl., 91506
(818) 842-1788
(800) 854-6046
Eric, KAGHT, Mgr.
Victory Blvd. at Buena Vista
1 mi. west I-5
burbank@hamradio.com

OAKLAND, CA
2210 Livingston St., 94606
(510) 534-5757
(800) 854-6046
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

SAN DIEGO, CA
5375 Kearny Villa Rd., 92123
(619) 550-4900
(800) 854-6046
Tom, KM6K, Mgr.
Hwy. 163 & Claremont Mesa
sandiego@hamradio.com

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510 Lawrence Exp. #102, 94085
(408) 736-9496
(800) 854-6046
Rick N8DQ, Co-Mgr.
Howard, W6HOC, Co-Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

NEW CASTLE, DE
(Near Philadelphia)
1509 N. Dupont Hwy., 19720
(302) 322-7092
(800) 644-4476
Rick, K3TL, Mgr.
RT.13 1/4 mi., So. I-295
newcastle@hamradio.com

PORTLAND, OR
11735 S.W. Pacific Hwy.
97223
(503) 596-0555
(800) 854-6046
Leon, W7AD, Mgr.
Tigard-99W exit
from Hwy. 5 & 217
portland@hamradio.com

DENVER, CO
3400 E. Iliff Ave. #9, 80231
(303) 749-7373
(800) 444-9476
Joe, K0BGA, Co-Mgr.
John, N5EHP, Co-Mgr.
denver@hamradio.com

PHOENIX, AZ
1939 W. Dunlap Ave., 85021
(602) 242-3515
(800) 444-9476
Gary, N7GJ, Mgr.
1 mi. east of I-17
phoenix@hamradio.com

ATLANTA, GA
6071 Buford Hwy., 30340
(770) 263-0700
(800) 444-7927
Mark, KJ4VQ, Mgr.
Doraville, 1 mi. no. of I-285
atlanta@hamradio.com

WOODBRIIDGE, VA
(Near Washington D.C.)
14803 Blvd America Dr, 22191
(703) 643-1063
(800) 444-4799
Steve, N4SR, Mgr.
Exit 161, I-95, So. to US 1
woodbridge@hamradio.com

SALEM, NH
(Near Boston)
224 N. Broadway, 03079
(603) 898-3750
(800) 444-0047
Chuck, N1UC, Mgr.
salem@hamradio.com
Exit 1, I-93
28 mi. N. of Boston
salem@hamradio.com

KENWOOD



TS-2000 HF/VHF/UHF TCVR

- 100W HF, 6M, 2M • 50W 700M
- 10W 1.2 GHz w/optional UT-20 module
- IF Stage DSP • Built-in TNC, DX packet cluster
- Backlit Front Key Panel

Low Intro Price!



TH-D7A(G) 2M/440

- 2M/440 Dual Band
- Built-in 1200/9600 Baud TNC
- APRS Compatible
- DX Packet Cluster Monitor
- 200 Memos., CTCSS
- VOX-H1 Messaging Control

Low Pricing!



TM-D700A 2M/440 Dualband

- 50w VHF 35w UHF • Opt. Voice Synthesizer
- Receives 118-1300 mhz (cell blocked)
- Remote Head Inst. only (kit included)
- 200 Memories • Built In 1200/9600 baud TNC
- Advanced APRS Features
- Dx Packet Cluster
- Tone Scan • GPS/VOX/H1/PC Ports

**COAST TO COAST
FREE SHIPPING**
UPS • Most Items Over \$100



**Rapid Deliveries From
The Store Nearest To You!**

YAESU



VX-7R

- 50/2M/220/440 HT
- Wideband RX
- 900 Memories
- 5W TX (300mw 220MHz)
- Li-Ion Battery
- Fully Submersible to 3 ft.
- Built-in CTCSS/DCS
- Internet WJRES compatible

Great Price!



FT-857D

- Ultra compact HF, VHF, UHF
- 100w HF/6M, 50w 2M, 20w UHF
- DSP included • 32 color display
- 200 memos • Detachable front panel

(FT-857 required)

Call for Low Price!



FT-100MP MKV HF Trans.

- Enhanced Digital Signal Processing
- Dual RX
- Collins SSB filter built-in
- 200W, External power supply

Low Pricing!

SUNNYVALE, CA

510 Lawrence Exp. #102, 94085
(408) 736-9496
(800) 854-6046
Rick N8DQ, Co-Mgr.
Howard, W6HOC, Co-Mgr.
So. from Hwy. 101
sunnyvale@hamradio.com

OAKLAND, CA

2210 Livingston St., 94606
(510) 534-5757
(800) 854-6046
Mark, W17YN, Mgr.
I-880 at 23rd Ave. ramp
oakland@hamradio.com

ICOM



IC-706MKIIG HF/VHF Transceiver

- All mode HF/6M/2M/700M
- 100W HF/6M, 50W/2M, 20W/440 Mhz
- AF-DSP • Plug and Play Filters - No Soldering
- Easy-to-Navigate menus

Low Pricing!



IC-756 PRO III All mode Transceiver

- 160-6M @ 100W • Enhanced Rx performance
- 32 bit IF DSP • SSB/CW Synchronous tuning
- Enhanced 6 inch color TFT w/spectrum scope
- Selectable IF filter shapes for SSB & CW
- Multiple DSP controlled AGC loops
- Advanced CW functions
- 101 alphanumeric memories

The Ultimate Radio!

ALINCO



DJ-196T 2M/HT

- 5 Watt out
- 40 memories
- Alphanumeric display
- CTCSS + DCS built in
- "S" meter
- Auto Dialer

Low Pricing!



DR-135TP 2M mobile

- 50 Watt out • Alpha numeric display
- 100 memos • Built-in TNC 1200 & 9600 Baud
- Front Panel GPS in • Rear DB-9 port
- CTCSS/DCS Encode/Decode built in

Low Pricing!



THE COMMUNICATOR
NOVEMBER 2005

Contra
Costa
Communications
Club Inc.

Repeater ID: WD6EYC 145.110, 224.300, 444.275 PL 82.5
Simplex 146.505
Packet "Node" CC4CC 145.05 Packet "Mail Box" WD6EYC -1
Home Page: [http:// www.khmuprog.com/cccc/](http://www.khmuprog.com/cccc/)
Club Address:
CCCC,Inc. P.O. Box 20661, El Sobrante, CA 94820-0661

A NON-PROFIT CLUB DEDICATED TO SERVICE

Contra Costa communications Club, Inc.
P.O. Box 20661
El Sobrante, CA 94820-0661

POSTMASTER: ADDRESS CORRECTION REQUESTED

Next Meeting: November 13

Denny's on the corner of San Pablo Ave. and Potrero Ave in El Cerrito, CA 94530
Breakfast at 7:15 a.m. Club meeting at 8:00 a.m. Board meeting at 8:45