

Q5

The Downey Amateur
Radio Club, Inc.
P.O. Box 207
Downey, CA 90241-0207

FIRST CLASS

Mon. - Fri. 9:00 AM to 6:00 PM
Sat. 9:00 AM to 5:00 PM

Tel: (714) 521-8080
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FORD Electronics, Inc.
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Q5 By and for the
Downey Amateur
Radio Club, Inc.

Volume XXVI #10 Our 56th Year October 2007

The Terminator: PowerPoles and Crimps

Larry McDavid, W6FUB, will be showing us the PowerPole system of electrical hardware, the various PowerPole crimp terminals, and will discuss general crimp methods and the means of evaluating the reliability of crimp connections. There will be quite a few show-and-tell items for this presentation.

Larry McDavid W6FUB has held an Extra class license for many years but was first licensed in 1955 in Texas, where he was active on 6 meter AM and on RTTY, using a Johnson Ranger driving a home brew pair of 813's. Larry now lives in Anaheim and runs a Yaesu FT-920 driving a Force 12 C3 on a 70-foot motorized crank-up tower.

Larry is a graduate mechanical engineer and worked as Engineering Manager for Beckman Instruments, TRW and Molex for over 30 years. Larry has managed the development of Martian life detection instruments, Earth-orbiting instruments that detected the arctic ozone hole, and medical monitors that enhanced the survival rate for very premature babies.

Currently retired, Larry most recently managed engineering for automotive airbag crash sensors and other position sensors and holds several patents for sensor devices. While at TRW and Molex, Larry studied high-reliability wire terminations and developed special-purpose wire crimp technology.

In addition to his ham radio activities, Larry is an active amateur astronomer, sundial enthusiast and antique scientific instrument collector. In pursuit of the darkness of total solar eclipses, Larry has traveled to remote sites in Bolivia, Mexico and Europe.

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**THE DOWNEY
AMATEUR RADIO CLUB, INC.**
P.O. Box 207
Downey, CA 90241

<http://www.downeyarc.org>

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Affiliations:

Affiliated ARRL Club
ARRL Special Service Club
Los Angeles Area Council of
Amateur Radio Clubs
Orange County Council of
Amateur Radio Organizations

Club Frequencies:

Simplex : 145.595 MHz*
440 Repeater: 445.640 (-) PL 156.7 Hz*
* See Calendar for Net Skeds

Q5 Staff

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Permission to copy material from the Q5 is granted provided that credit is given to the "DARC Q5".

Q5, as in: a signal that is perfectly readable, hence the name of our newsletter. We hope you agree.

DARC INFORMATION

DARC Annual Membership

Single: \$20 Associate: \$10
Maximum for Family: \$35

Make checks payable to "DARC",
Send to: DARC Membership
3600 Platt Ave
Lynwood, CA 90262
Include Call sign

DARC Badges

DARC name badges are available for \$11.00, payable on order. Give your name and call sign to **Paul Metzger** K6EH.

Previously ordered badges may be picked up at the Club general meeting.

Do you have an idea for an article for the Q5? Remember, this is **OUR** newsletter, about **OUR** hobby. Please submit articles to: **John Powell, KF6EOJ** jpowell@csulb.edu

Due by the 15th of the Month!

VE Exams

The Downey Amateur Radio Club provides VE examinations for all classes of Amateur Radio licenses on the **third Saturday of each even-numbered month**. Exams are held at the Downey Fire Department Headquarters, 12222 Paramount Boulevard, beginning at 8:30 AM. The exam schedule for 2007 is as follows:

October, December

Contact **Steve Grudzinski**, AD6HT at 951-674-4699 prior to the session.

Saturday Breakfast Location

Many DARC Club members meet for breakfast each Saturday morning at 6:30 AM at the Nordic Fox Restaurant, 10924 S. Paramount Blvd., in Downey (1/2 mile south of Florence Ave.) The restaurant reserves an area for DARC and offers good food at reasonable prices. See you there!



Club Cups, Caps Shirts and Jackets

Item	On Hand?	Price
Caps	Yes	\$8.00
Jackets	Yes	\$35.00
T-shirts	Most Sizes	\$10.00
Polo Shirts	Most Sizes	\$16.00
Coffee Mugs	Yes	\$3.00

Pay when ordering.
Contact **Paul Metzger**, KQ6EH at any meeting

The ARRL/VEC test fee is \$14.00 for all tests. The fee is controlled by the FCC but goes to the ARRL to cover their expenses in providing the tests and handling the applications

After the test session please wait 10 days before contacting the ARRL at (860) 594-0300 or <http://www.qrz.com/callsign> for new license information. Please do not call the FCC directly.

**ARRL: American Radio Relay League
The National Association for Amateur Radio**

One of the benefits of membership is the QST Magazine

QST, Your Monthly Membership Journal

QST is simply **the source** for news and information on any topic that's part of, or relates to, Amateur Radio. Here's some of what you'll find every month:

- Informative and hard-hitting Product Reviews of the newest radios and accessories from hand-held and mobile FM radios, to home-station transceivers, antennas and even shortwave radios.
- Advertisements. You'll find everything from full-color pages introducing new radios to a large classified ad section.
- Each month's Coming Conventions and Hamfest Calendar columns show you who's getting together every month at Hamfests, conventions and swap meets in your area.
- The Public Service column keeps you up to date on the public service efforts hams are providing around the country and shows you how you can join in this satisfying aspect of our hobby.
- Digital Dimension covers news in the Amateur Radio digital world and includes information on useful Web sites.
- The New Ham Companion section is filled with features and how-to information just for beginning hams. There's no jargon-filled "tech talk"--just straightforward, easy-to-understand articles designed to get you on the air doing the things you like best.

Whether you're interested in contesting, DXing, or radios, accessories and antennas you can build at home, *QST* covers them all: New trends and the latest technology, fiction, humor, news, club activities, rules and regulations, special events, packet radio, and much more.

Joe Francis, SK

It is with sadness that we were notified that **Joe Francis, WB6SZK** passed away September 20th. Joe was a long time member of the club and a regular winner at club raffles. He also taught code practice classes and helped many a member pass the code portion of the license tests. Joe turned 84 this year and had served as a Volunteer Examiner, participating in 32 testing sessions

Joe liked working with computers and every year would create an animated Christmas card that he would send to friends. He also created some programs to help teach electronics and Ham Radio.



In the photo you can see Joe helping with the assembly and distribution of the Q5 back in the days before our printer was able to do so. This past July he just renewed his Advanced class license. Ham Radio and our club has lost one of its long time supporters.

Joe's service was Saturday September 29th at Loma Vista Memorial Park, 701 E. Bastanchury Road, Fullerton.

Swap Meet Information

CHHS Electronics Swap Meet

Chino Hills High School
16150 Pomona Rincon Rd
Chino Hills, CA
Held the **third Saturday of each month**, 6:30 to 11:30 AM
See: www.chhsmusic.com/electswap.html

W6TRW Swap Meet

Northrop Grumman Parking Lot
Corner of Marine and Aviation
Manhattan Beach, CA
Held the **last Saturday of each month**, 7:00 to 11:30 AM
Talk-In 145.320, PL 114.8

When and where we meet:

We meet at 7:30 PM in room 120 of the **First Baptist Church** in Downey. The church is between 2nd and 3rd streets, near City Hall, address is 8348 E. 3rd St. Use 2nd St, east from Downey Ave (1 block north of Firestone Bl), adjacent to City Hall. Entrance via double glass doors on the north side of 2nd St.

Minutes of the D.A.R.C. Board of Directors Meeting – September 11, 2007

Sam Lollar, K1SL, President, called the meeting to order at 1944 hrs in the Emergency Operations Center (EOC) at Downey Fire Station #1, and welcomed all board members. Other Board members present were Dick Palmer, WB6JDH, VP Programs; Arlene Schwartz, KE6GFI, VP Membership; Dave Buhler, WB6ZGF, VP Service; Ron Eveland, W6QM, Secretary; Frank Hornberger, N6ZDS, Treasurer; Buck Kerns, AE6DT, Director, Two Years, and Tom Van Buskirk, K6TV, Director, One Year.

Board Members Absent: Ed Roos, KC6ZHY, 1st VP, and Paul Metzger, K6EH, VP Ways & Means;

Officers Reports:

1st VP: Absent.

VP Programs: Dick reported that the November luncheon meeting reservation has been made at Rio Hondo, and that there are no speakers lined up for the next two months.

VP Membership: Arlene reported that we have received some additional ARRL membership renewals.

VP Service: Dave deferred to planning calendar.

VP Way & Means: Absent

Secretary: Ron had nothing to report. .

Treasurer: Frank distributed copies of the Treasurers Report.

Director: Two Years: Buck had nothing to report, but did have a question concerning the Treasurers Report.

Director, One Year: Had nothing to report.

The minutes of the July Board meeting and the Treasurers Report were approved.

Planning Calendar:

September 15, 07 - Yard Sale.

November 11, 07 - Annual Luncheon, Sam will check on a possible speaker availability.

months. He is active on the HF bands using CW, SSB and possibly other modes in his spare time. QSL direct to G0IAS.

MALTA, 1A4A. The 1A4A team will be active from the Sovereign Military Order of Malta during the week of the 2007 CQ World Wide SSB DX Contest. This will be the first time SMOM has been QRV during a major contest.

MAYOTTE, FH1LE. Alain, F4RPW is now a resident and active as FH1LE. He is using SSB, with some CW and possibly digital modes.

NAMIBIA, V55C. Alfons is QRV as V55C and has been active on 20 meters around 1545z. QSL via DJ8VC.

POLAND, HF150TG. Grzegorz, SQ9JKD is QRV using special call HF150TG until November 30 to commemorate the 150th anniversary of the local railway station in Tarnowskie Gory. QSL to home call.

DX information provided by: ARRL and 425 DX News, Thanks to all

DARC Member DXCC Count

WA6RTA 328 Phone (AM & SSB)
N6QQ 326 Mixed, SSB 314, CW 250, RTTY 152, WPX 1921
KB6ATT 305 Mixed, 60 CW
K6ICS 295 Mixed, 288 Phone (AM & SSB), 164 Mixed on 40 Meters
K6TV 206 SSB, 126 QRP, 110 CW, 215 Mixed
N6WZI 198 Phone on 10 Meters
W6TOI 139 Mixed
WA6OUD 129 Phone on 10 Meters
K6EH 57 on 30 Meters CW

I am interested in receiving DX reports for this column, one contact or many.

e-mail: k6ics@arrl.net or via my website www.catalina-inter.net/mgauthier

DX NOTES by **Mike Gauthier**, K6ICS

October Propagation Outlook

Fall has arrived. Background noise will start decreasing with the longer nights. Overall DX conditions will remain poor. The best openings will remain on 20-40 meters at night.

October DX

ANTARCTICA, DP0GVN. Mirko is QRV as DP0GVN from Neumayer Base and has been active on 20 meters around 1600z. QSL via DL5EBE.

DIEGO GARCIA, VQ9LA. Larry, VQ9LA is QRV on 160 meters around 2300z and then 1300z. QSL direct.

DJIBOUTI, J28JA. Jean-Claude is QRV as J28JA on 17 meters around 1400 to 1500z. QSL via F5JFU.

FALKLAND ISLANDS, VP8CXV. Chris, GM0TQJ will be QRV as VP8CXV from September 8 to January 15, 2008. He will be active using mostly SSB, but will also do RTTY and PSK31. QSL to home call.

FRENCH POLYNESIAN ISLANDS, FO5RU. Freddy, F5IRO, will be in Papeete (OC-046), French Polynesia for a four month assignment. Look for him in his spare time on all HF bands on CW, SSB and RTTY. He'll be there until mid-January 2008. It is possible that he may activate some other IOTAs while in the French Polynesian islands. QSL via F5CQ, Rafik, either direct with SAE and postage or via the French REF QSL bureau. Rafik has a Web page at www.f5cq.net/dxp/2007-FO5RU/fo5ru-fr.htm.

IRAN, EP3PK. Pooyan, EP3PK has been active on 20 meters SSB around 0600z and then using RTTY around 1630z.

KIRIBATI ISLANDS, JA8BMK, Toshi is planning an extended visit to the Kiribati Islands. The schedule has not been finalized so exact dates and locations are subject to travel arrangements. Toshi plans to operate on CW, SSB, RTTY, and PSK31. QSL via JA8UWT direct only.

West Kiribati (Tarawa) T30XX Sept. 25th to Oct. 3

Central Kiribati (Canton Island), T31XX Oct. 9-23.

Eastern Kiribati (Christmas Island), T32YY. Late October

Banaba, T33ZZ. Possible activity.

MALAWI, 7Q7HB. Harry, G0JMU is QRV as 7Q7HB for about two

December 2, 07 - Holiday Lane Parade Dave reported that he currently has 12 people signed up, and is awaiting one additional person to commit, so it looks like he has a full contingent.

Old Business:

Aux Repeater & Club Repeater: Frank, N6ZDS, has not received any receipts from Glenn Allen to reimburse him for repeater expenses.

Silent Key Committee: Dave, WB6ZGF, reported that the Silent Key activity is picking up, with approximately \$1700 bid to date. As of this meeting he has received bids on many items, but not all. All items are "pick up only", in Downey, CA, no packing and shipping, or local deliveries will be made.

Club Merchandise: No report available.

Nominating Committee: Tom, K6TV, asked present board members if they wanted to continue serving on the board. Sam Lollar, K1SL, Arlene Schwartz, KE6GFI, Dave Buhler, WB6ZGF, Ron Eveland, W6QM, Frank Hornberger, N6ZDS, Buck Kerns, AE6DT, and Tom Van Buskirk, K6TV all indicated they would like to remain. Dick Palmer, WB6JDH, declined, Ed Roos, KC6ZHY had previously declined, and Paul Metzger, K6EH was absent.

Hamcon Review: A discussion followed, with the consensus that their were problems that needed to be addressed at the wrap up meeting to avoid these items at future Hamcon events.

New Business:

None

The meeting was adjourned at 2031 hrs.

Respectfully submitted,
Ron Eveland, W6QM,
Secretary

D.A.R.C. General Meeting Minutes – September 6, 2007

Sam Lollar, K1SL, President, called the meeting to order at 7:32PM with 32 persons in attendance, and welcomed everyone. He then led the Pledge of Allegiance.

Sam introduced himself and then asked all those in attendance to each introduce themselves'.

Sam then reminded everyone of the up coming Hamcon to be held on September 7-9 at the Marriott Hotel in Torrance. Our club is responsible for all of the speakers, and volunteers are still needed to help during the presentations, Sam asked that all those interested to sign the sheet indicating the days they could help.

Next Dave Buhler, WB6ZGF, came forward and announced that the Holiday Lane Parade is coming up on December 2nd and that volunteers were also needed for this event. Dave also provided a sign up sheet for those interested in helping.

Next, the meeting was turned over to Dick Palmer, WB6JDH, VP Programs. Dick then began our evening's program by introducing our speaker, **Jason Kilpatrick**, who is a CHP Public Safety Dispatch Supervisor for the Los Angeles Communications Center. Jason's program dealt with his assignment as a LA County Interoperability Radio Liaison for the CHP and his interface with the many other public service agencies.

Various agencies use different radio frequency segments to communicate within their organization, such as HF, VHF or UHF, which usually does not allow for one agency to communicate with another. The largest single disaster that brought the inability to communicate between agencies to national attention was the 911 World Trade Centers terrorists event. Homeland Security has mandated and provided funding for states and counties to come up with a method to accomplish multi-agency communications.

Jason talked about a method that is being developed locally where the communications center radio is controlled by a computer interface, IC-1000. The system has the ability to set in different frequencies to allow cross band communications between different agencies. The system has been tested using simulated emergency events, which requires the system to coordinate communications with as many as 10 local, state, and federal agencies.

Jason finished by stressing that the IC system is used to tie in and coor-

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ed	Thu	Fri	Sat
	4 DARC Meeting 7:30 PM at the First Baptist Church in Downey	5	6 DARC Breakfast, 6:30 AM (see pg 15) California QSO Party
	11 2-meter net 7:15 pm Club simplex 145.595 Control: K1SL	12	13 DARC Breakfast, 6:30 AM (see pg 15)
	18 2-meter net 7:15 pm Club simplex 145.595 Control: AD6AF	19	20 DARC Breakfast, 6:30 AM (see pg 15) CHHS Swap meet (see pg 3) VE Exam (see pg 15)
	25 2-meter net 7:15 pm Club simplex 145.595 Control: WB6ZGF	26	27 DARC Breakfast, 6:30 AM (see pg 15) CQ SSB Worldwide DX Contest
ween	1 2-meter net 7:15 pm Club simplex 145.595 Control:	2	3 DARC Breakfast, 6:30 AM (see pg 15) W6TRW Swap meet (see pg 3)

Sun	Mon	Tue	Wed
31 Oct 2007	1	2 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz Control: KN6LM	3
7 California QSO Party	8	9 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz Control: AD6AF	10
14	15	16 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz Control: WB6ZGF	17
21	22	23 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz Control: WB6JDH	24
28 CQ SSB Worldwide DX Contest	29	30 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz Control: N6TEB	31 Hallo

dinate local activities during disasters, and is not used for local police pursuits.

The meeting was adjourned for a short break.

After the break Sam asked those in attendance if there was any member that would like to volunteer to be on the club Nominating Committee since elections were coming up next month. No one volunteered, so the two board appointed members, Tom Van Buskirk, K6TV and Ron Eveland, W6QM, will accomplish the task without a member at large. Sam also reminded everyone of the upcoming yard sale to be held at Bill Heather's, KB6WKT, home on Saturday, September 15th, starting at 7:00 AM.

Sam asked for motions to approve the General Meeting minutes as they appeared in the Q5. Motion made, seconded and approved.

He then asked for a motion to approve the Treasurer's Report as it appeared in Q5. Motion made, seconded and approved.

Larry Tinkler, K6LXT, then conducted the raffle with a different twist, which he called a "Chinese Raffle". This evenings winners were: Bill Navarro, KE6RPY, A Westclox Clock, and a VOM; Ron Eveland, W6QM, A VOM; Paul Metzger, K6EH, A Craftsman Screwdriver Set; Dave Glenn, N6TEB, A Pickup Tool; Frank Tillmann, KN6LM, A Hook and Pick Set; Rick Norwood, KD6KHJ, A RCA Radio; Larry Tinkler, K6LXT, A 5pc Craftsman Tool Set; Ken Carlson, N6SWO, A High Beam Light; Ed Roos, KC6ZHY, A Bandolier

Sam wished everyone good evening and the meeting was adjourned at 9:04 PM.

Respectfully Submitted,
Ron Eveland, W6QM, Secretary

From page 1

Larry is an ARRL member and maintains an active role in local chapters of the American Society of Mechanical Engineers, the American Society of Materials and several electronic packaging societies.

Larry has a son, Matthew KF6FDY and daughter, Erica, both continuing their college studies.

Treasurer's Report—Expenditures

2006 - 2007 EXPENDITURES	Aug 07 ACTUAL	YTD ACTUAL	ANNUAL BUDGET	(OVER)/ UNDER BUDGET
Attendance Prizes		\$0.00	\$100.00	\$100.00
Repeater Phone Line		\$146.05	\$225.00	\$78.95
Club Merchandise		\$0.00	\$200.00	\$200.00
Club Bulletin				
Printing	\$90.93	\$701.46	\$1,000.00	\$298.54
Supplies		\$17.27	\$30.00	\$12.73
Postage	\$32.80	\$316.80	\$400.00	\$83.20
Committees				
Award		\$30.58	\$75.00	\$44.42
Education/Awareness		\$0.00	\$30.00	\$30.00
Membership		\$0.00	\$25.00	\$25.00
Publicity & Public Relations		\$0.00	\$25.00	\$25.00
Sunshine		\$0.00	\$50.00	\$50.00
Equipment/Maintenance		\$0.00	\$50.00	\$50.00
Events				
Christmas Party		\$0.00	\$25.00	\$25.00
Field Day		\$0.00	\$50.00	\$50.00
Luncheon		\$0.00	\$100.00	\$100.00
Picnic		\$0.00	\$50.00	\$50.00
Fund Raisers		\$0.00	\$50.00	\$50.00
Other Events		\$0.00	\$20.00	\$20.00
Insurance		\$0.00	\$350.00	\$350.00
Misc. Expenses	\$99.95	\$119.95	\$100.00	(\$19.95)
Officers' Expenses				
Board Members		\$0.00	\$50.00	\$50.00
Treasurer		\$43.04	\$50.00	\$6.96
Other Organizations				
Dues		\$10.00	\$20.00	\$10.00
P.O. Box Rental		\$84.00	\$80.00	(\$4.00)
Refreshments, Meetings	\$20.51	\$48.75	\$200.00	\$151.25
World Radio Listing		\$65.00	\$65.00	\$0.00
Total Expenditures	\$244.19	\$1,582.90	\$3,420.00	\$1,837.10

Treasurer's Report—Income

2006 - 2007 INCOME	Aug 07 ACTUAL	YTD ACTUAL	ANNUAL BUDGET	(OVER)/UNDER BUDGET
Club Merchandise		\$0.00	\$200.00	\$200.00
Dues	\$95.00	\$970.00	\$1,335.00	\$365.00
Raffle				
Misc. Income		\$152.00	\$885.00	\$733.00
Fund Raisers		\$0.00	\$1,000.00	\$1,000.00
Total Income	\$95.00	\$1,122.00	\$3,420.00	\$2,298.00

Treasurer's Report—Summary

**DOWNEY AMATEUR RADIO CLUB
TREASURER'S REPORT
Aug-07**

SUMMARY

CHECKING-WA MUTUAL	\$2,876.08
BALANCE AS OF Jul 31, 2007	
INCOME	\$95.00
EXPENDITURES	\$244.19
Raffle (Month)	\$80.00
Raffle (Total Holdings)	\$574.38
Brunch (Month)	\$0.00
Brunch (Total Holdings)	\$35.22
CHECKING-WA MUTUAL	
BALANCE AS OF Aug 31, 2007	\$2,806.89

October Birthdays

**Ray Olesen, AD6AF, 1st
Mark Niehaus, KC6OFR, 2nd
John Schroeder, N6QQ, 7th
Larry Vaughn, KD6NZW, 8th
Rick Norwood, KD6KHJ, 9th
Norman Wright, KG6FSA, 16th
Margaret Gauthier, WA6OUD, 24th
Mike Gauthier, K6ICS, 28th**

Happy Birthday To All!