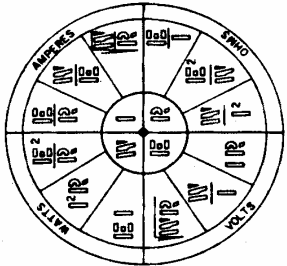


Q5

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

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Q5 By and for the Downey Amateur Radio Club, Inc.

Volume XXIV Number 7 Our 54th Year July 2005

Celebrate the Summer Solstice

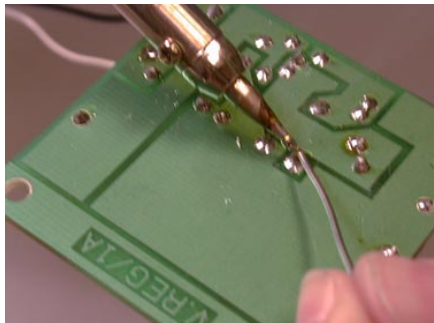
DARC Members to Share Projects...

We will be having our annual ice cream social at the July general meeting. All members are invited to share a current project, share a favorite Ham Radio contact or event, bring along a newly designed QSL card, talk about a new piece of equipment or software added to the Ham shack or mobile.

We'll be meeting outside on one of the longest days of the year. So bring along a folding chair, sun glasses, and club hat. And we'll listen to you talk about your current project, new equipment, or favorite Ham memory, talk about recent contests, Field Day, or awards. There are so many facets to hobby of Ham Radio, come prepared to talk about one or two that are of interest to you.

Consider bringing along guest. We will be inviting some young people to join us at this meeting.

Our meeting will be held in the parking lot of the Sussman Middle School located at 12500 Birchdale Ave, Downey, at 7:30 PM. The school is located north of Imperial between Lakewood Bl and Brookshire Ave, enter off of Birchdale Avenue.



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

<http://www.DowneyARC.org>

Club Officers

President

Dave Glenn, N6TEB
Phone: (562) 928-8560
dglenn@connect3.com

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Phone: (562) 806-1234
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Tom VanBuskirk, K6TV
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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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New Publisher!

Frank Myers, N6ATU

Printing:
By Circle C, Downey

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 **Kent Savage, K6WCI**.

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
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 2005 is as follows:

June 2005, August 2005

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.

Saturday Breakfast Location

Many DARC Club members meet for breakfast each Saturday morning at 7:00 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 **Kent Savage, KG6LEI** at any meeting

VE Exams continuing

Those planning to take tests are asked to contact:
Steve Grudzinski, AD6HT, at (951) 264-7975, prior to the test. This contact is appreciated but not mandatory. 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.

Note new VE exam fee on next page. The fee for the exam has increased from \$12.00 to \$14.00 effective January 1st 2005.

Message from the President – July 2005

July already! We are half way through 2005 and well into the summer contest season. Personally I had a great time during the June VHF contest working over 45 different grids on 6 meters alone. 6 meters by the way has had almost daily opening so make sure you check out this magic band and see what you can work. Rumor has it 6 meters goes through a 5 or 6 year tropo ducting cycle that is unaffected by the 11 to 13 year solar cycles and this looks to be a hot year. One way to keep from winning the "Worked all Neighbors" award for coming through their TV sets is to run lower power and make sure you have a good ground. When the band is open like it has been lately 20 watts will easily make the long haul. You just need to be patient and wait your turn while the big guns run. This summer there are many opportunities to get on the Air contests or just rag chewing. If you're a Tech license the summer months provide the best opportunity to run DX on the VHF bands and there are many contests that focus on VHF and above. One of the really fun ones is CQ magazine's VHF contest that is for 6 and 2 meters only. This year their contest will be July 16 and 17th starting at 11 Saturday. They have even added a new category of entry called Hilltopper that is defined as someone who work 6 hours or less running QRP which for VHF is 10 watts or less. The idea is to encourage folks to go to a high location and not have to commit to entire weekend to place high in the scoring. The biggest contest of the year, Field Day is just a few days away at the time I am writing this article. It is sad that as a club we no longer have enough active members to host our own Field Day site but our problem is not unique. Other Ham clubs have folded or consolidated with other groups. Non ham public service and hobby groups face the same challenge with shrunken memberships and less folks willing to take an active role. Hopefully this is a cycle that will reverse itself sometime in the future. In the mean time our club is still strong and provides support for public service events, hosts monthly meetings with really good programs and provides 2 on the air nets. This next months meeting will be a show and tell time with everyone bringing in projects they have completed or are working on. We will be meeting out doors as for some of us it may be our latest mobile installation we want to show off and of course we will be providing Ice Cream to make the evening complete. I think the one thing we all share is our never ending curiosity and the desire to tinker and make things better. In the past our club has hosted project building days creating J antennas or computer to radio interfaces. I am looking for suggestions for our next group project so please see me at the meeting or drop me an email if you have any suggestions.



D.A.R.C. General Meeting Minutes – June 2, 2005

Dave Glenn, N6TEB, President, called the meeting to order at 7:36 PM with 34 persons in attendance. He then led the Pledge of Allegiance.

Arlene Schwartz, KE6GFI, introduced our speaker for the evening, Paul Robert, ND6Q, discussing WinLink software. WinLink allows the transfer of e-mail between HF stations and the Internet. Paul explained there is a non-amateur name for the same software used by maritime stations which is SailMail. He pointed out that there are many HF-to-Internet stations that route e-mail traffic in this manner and discussed the details of the system. He then demonstrated how the system works by checking and sending a test message via his own vehicle's HF antenna. A question and answer period followed.

A guest, Ken, WB6RWS, was introduced.

Dave Glenn announced that Frank Myers, N6ATU, has volunteered as the publisher of the Q5.

Buck Kerns, AE6DT, noted that the annual Hawaiian Festival, Ho'olaule'a, will be July 16 and 17 and many operators are needed to support this event.

Dave Buhler, WB6ZGF, thanked those members who worked the Downey Street Faire. He also announced that a Homeland Security grant for amateur radios and antennas at the City Emergency Operations Center had been re-instated. The grant is for \$7750 and more information will be forthcoming.

The group took a break at 8:54 P.M.

The meeting was called back to order at 9:04 P.M.

The minutes of the General Meeting and Treasurers report were approved.

The Board of Directors has discussed the possibility of changing the General Meeting to another night to increase attendance. Feedback by the members was solicited. After a short period of discussion, the matter will be taken up at a later date.

Con't page 10

W3QB 100 Mixed, 85 on 20 Meters SSB
KQ6EH 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

Raffle reminder:

Just a reminder that all tickets for our club raffles throughout the year are put in the bin for the yearly grand prize(s) that will be drawn at the annual November luncheon.

Starting with the December meeting a new feature was added. Each time you attend a meeting make sure to check your name off the roll call sheet, and a ticket for an annual attendance prize worth \$100 will be submitted for you. Remember, all you have to do is attend and check off your name, no purchase is necessary.

Remember, the raffle is totally self-supporting with the proceeds going towards the purchase of items for the next raffle, and so on. The more raffle money, the better the prizes and selection.

Thanks.

John Powell, KF6EOJ

Looking for an Elmer?

Here are a few resources that can get you going.

Bill Heather, KB6WKT, 562 863-6607
kb6wkt@arrl.net - Helping Hams, Contesting

Ivan Mikulich, KB6ATT, 562 923-4577
kb6att@att.net - Helping Hams, Field Trips

Glenn Allen, KE6HPZ, 562 928-2080
ke6hpz@ham-radio.com - Microwave

Dave Buhler, WB6ZGF, 562 861-6069 wb6zgf@catisle.net - Net Control, Public Service, Emergency Communications.

Harold 'Buck' Kerns, AE6DT, 562 634-8441 ae6dt@arrl.net - Public Service,



SOUTH SHETLAND ISLANDS, HF0. HF0POL has been QRV on 20 meters from around 1800 to 1900z. QSL via SP3WVL.

JAPAN, JA. JA4NVY/4 is QRV from Nino island, IOTA AS-117. QSL to home call.

SVALBARD, JW. Jon is QRV as JW8HF and has been active on 20 meters from around 1030 to 1130z and then from 1730 to 2300z. QSL via LA8HF.

Bulgaria, LZ7. LZ7HQ will be active during the IARU HF World Championships event will be held on July 9th and 10th. The QSL manager will be LZ1BJ.

SUDAN, ST. Vlad is QRV as ST2VB and has been active on various HF bands. QSL via UA4WHX.

EGYPT, SU. Gab, SU8BHI (HA3JB) will be QRV July until the end of the year. Look for activity on CW, RTTY, SSTV, PSK, and SSB on all bands. QSL direct only via HA3JB, Kutasi Gabor, P.O. Box 243, H-8601 Siofok, Hungary. An on-line log search will be available at <http://www.qsl.net/ha3jb>.

KENYA, 5Z4. Kenya's IARU HQ Station 5Z4RS (ARSK) will be active during the IARU HF World Championships event will be held on July 9th and 10th. QSL to the ARSK QSL Bureau.

JAMAICA, 6Y. The Jamaica Amateur Radio Association is inviting people to the Jamaica Field Day, set for July 1-3. This year they will set up on a Jamaica Red Cross Society site on Peach Beach, on Discovery Bay near Puerto Seco Beach. Look for them on 7150 and 3775, for starters.

Thank you to: ARRL, NC1L, QRZ DX, the OPDX Bulletin, The Daily DX, 425DXnews, DXNL, WA7BNM and Contest Corral from QST.

DARC Member DXCC Count
WA6RTA 328 Phone (AM & SSB)
KB6ATT 305 Mixed, 60 CW
KK6T 297 Mixed, 264 CW, 235 SSB, 137 RTTY, 100 on 80 Meters.
K6ICS 295 Mixed, 288 Phone (AM & SSB), 164 Mixed on 40 Meters
KK6K 250 Phone, 200 CW
N6WZI 198 Phone on 10 Meters
K6TV 185 SSB, 85 QRP, 46 CW
WA6OUD 129 Phone on 10 Meters
W6TOI 102 Mixed

Ho`olaule`a Time!!!



The Hawaiian Festival time is here again and many volunteers are needed. The Ho`olaule`a will be at Alondra Park in Lawndale, CA again this year. The Ho`olaule`a sponsored by the Hawaiian Inter-Club Council of Southern California (HICCCSC). For the new Hams, this event is two days (16 & 17 July 2005) Saturday 10:00 AM to 5 PM and Sunday 10:00 AM to 5 PM There is **continuous entertainment** and lots of food booths and various Hawaiian goods, arts and crafts for sale. This event will have 10,000 or more people visit the park. This is a great event and great fun.

DARC will provide communications to coordinate between HICC Officers & Event Coordinators, LA County Recreation Department and the Event Security unit. This effort requires about 30 volunteers each day. There are two shifts each day but as for any event, the more volunteers we have, the shorter the shifts. The shift hours are between 7 AM to 5:30 PM Saturday and 7 AM to 5:30 PM. Normally there are two shifts and lunch will be provided. There are several positions that require walking (shadows) and others that no walking is required. The equipment required is a 2M HT, **spare batteries, ear speaker or headset**, and possibly you may want to bring a hat, chair and water bottle. The operational frequency will be the club simplex; with talk in on the DARC repeater.

Please sign up at the July meeting or contact AE6DT (Buck Kerns) or WB6ZGF (Dave Buhler) as soon as possible.

See you there,
73
Buck

Treasurer's Report—Expenditures

2005	MAY		(OVER)/
	ACTUAL	YTD	UNDER
EXPENDITURES	ACTUAL	BUDGET	BUDGET
Attendance Prize (Year End)	\$0.00	\$100.00	\$100.00
Autopatch, Repeater	\$17.62	\$87.86	\$137.14
Club Merchandise	\$0.00	\$400.00	\$400.00
Club Bulletin			
Printing	\$130.22	\$265.96	\$984.04
Supplies	\$21.64	\$30.00	\$8.36
Postage	\$74.00	\$184.26	\$365.74
Committees			
Award	\$0.00	\$75.00	\$75.00
Education/Awareness	\$0.00	\$30.00	\$30.00
Membership	\$0.00	\$50.00	\$50.00
Publicity & Public Relations	\$0.00	\$25.00	\$25.00
Sunshine	\$0.00	\$50.00	\$50.00
Equipment/Maintenance	\$0.00	\$150.00	\$150.00
Events			
Christmas Party	\$0.00	\$25.00	\$25.00
Field Day	\$0.00	\$200.00	\$200.00
Luncheon	\$0.00	\$0.00	\$0.00
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	\$0.00	\$15.00	\$15.00
Officers' Expenses			
President	\$0.00	\$25.00	\$25.00
Secretary	\$0.00	\$25.00	\$25.00
Treasurer	\$0.00	\$25.00	\$25.00
Other Organizations			
Dues	\$0.00	\$20.00	\$20.00
P.O. Box Rental	\$76.00	\$76.00	\$4.00
Refreshments, Meetings	\$24.00	\$24.00	\$176.00
Stationary, Copies	\$0.00	\$25.00	\$25.00
World Radio Listing	\$0.00	\$0.00	\$0.00
Total Expenditures	\$321.84	\$659.72	\$4,045.00
			\$3,385.28

New Business

Meeting Minutes: The issue of timely minutes for publication in the Q5 was raised. Following discussion it was decided to refer this to the President for possible personnel action.

Field Day: The Board pondered the issue of the Club not having a Field Day this year. The reasons ranged from personal animosities from previous years, lack of other activities during the year (excluding Public Service), changing family and personal responsibilities, lack of membership interest in taking a leadership role for Field Day among others.

The meeting was adjourned at 8:14 PM.

Respectfully submitted,
Dave Buhler, WB6ZGF,
Substitute Secretary

DX NOTES by Mike Gauthier, K6ICS

July Propagation Outlook

Summer noise has arrived. High QRN levels on 160 & 80 meters. 60, 40, & 30 meters will have high noise levels but will have good DX propagation after dark. 20, 17, & 15 meters maybe your best bands. 12 & 10 meters will be spotty. Check the 10 meter beacons. Call CQ, be active and you will find there are DX openings. Keep a close watch on the bands after major solar events. Strange propagation may take place within 24-72 hours after an event. Signals may come from the wrong beam headings, or at times or on frequencies that are not "normal".

July DX

BHUTAN, A5. Takkuma, JF1EGV has been issued A52EGV by the Bhutan Telecommunications Authority. His license is good through August 8, 2005. He has been active on 15 meters using SSB. QSL via operator's instructions.

ST. PAUL ISLAND, CY9. The CY9SS DXpedition is QRV until July 7. Activity is on all bands, including 6 and 2 meters, using CW, SSB, WSJT-MS and EME. QSL direct to VY2SS.

ENGLAND, GB2. GB2CD will be on the air July 1-3 from the Forest Scout Camp at Sandiway, during the Chester District Scout Camp. G7BQY, Arthur, and others will operate, on 80, 40, 20, 17, 15, 12 and 10M. QSL via the bureau or direct to G7BQY

From page 4

Arlene Schwartz, KE6GFI, announced that the July meeting will be a "show-and-tell" format where members can bring their projects and explain them.

The raffle was conducted by Dick Palmer, WB6JDH, and the winners are as follows: Don McFadden, AA6LN, a Brother label maker; Kent Savage, K6WCI, an atomic clock; Dell Jorgensen, NG6F, two LED flash lights and Frank Myers, N6ATU, a 2005 road atlas.

The meeting was adjourned at 9:12 P.M.

Respectfully submitted,
Dave Buhler, WB6ZGF,
Substitute Secretary

Minutes of the D.A.R.C. Board of Directors meeting – June 7, 2005

Sam Lollar, K1SL, 1st Vice President, called the meeting to order at 7:31 PM in the Emergency Operations Center at Downey Fire Station #1. Other Board members present were Dick Palmer, WB6JDH, VP-Membership; Dave Buhler, WB6ZGF, VP-Service; Kent Savage, K6WCI, VP-Ways and Means; Frank Hornberger, N6ZDS, Treasurer and Ed Roos, KC6ZHY, Director, Two Years. Absent were Dave Glenn, N6TEB, President; Arlene Schwartz, KE6GFI, VP-Programs, Bill Heather, KB6WKT, Secretary and Tom VanBuskirk, K6TV, Director, One Year.

Treasurer: Frank distributed copies of the Treasurers Report noting there was nothing exceptional in it.

The matter of the "EZ Up" that Buck Kerns, AE6DT, purchased for Club use was discussed. At that time, Buck suggested member donations and to date he has received nothing. The Board decided not to reimburse Buck but to encourage the membership to donate to the cause.

Old Business

Club Breakfast: The possibility of changing the time of the breakfast was initiated at the last meeting. Following discussion, the Board decided to ask the membership at an upcoming general meeting if changing the time would stimulate a larger attendance from the present six members.

Con't next page

Treasurer's Report—Income

2005	MAY ACTUAL	YEAR-TO- DATE ACTUAL	ANNUAL BUDGET	(OVER)/ UNDER BUDGET
INCOME				
Club Merchandise	\$43.00	\$43.00	\$200.00	\$157.00
Dues	\$70.00	\$475.00	\$1,845.00	\$1,370.00
Luncheon Reservations		\$0.00	\$0.00	\$0.00
Misc. Income		\$0.00	\$500.00	\$500.00
Fund Raisers		\$412.00	\$1,500.00	\$1,088.00
Total Income	\$113.00	\$930.00	\$4,045.00	\$3,115.00

Treasurer's Report—Summary

**DOWNEY AMATEUR RADIO CLUB
TREASURER'S REPORT
May 2005**

SUMMARY

CHECKING-WA MUTUAL BALANCE AS OF April 30, 2005 \$3,501.20

INCOME	\$113.00
EXPENDITURES	\$321.84
Raffle (Month)	\$18.03
Raffle (Total Holdings)	\$245.05

CHECKING-WA MUTUAL BALANCE AS OF May 31, 2005 \$3,310.39

July Birthdays

8th, **Bob Turner**, N6HEB
15th, **Chuck Anna**, KE6TBC
25th, **Buck Kerns**, AE6DT
29th, **Jeff Glassman**, WA6ENI
31st, **Louis Aguilera**, KE6HVY

Happy Birthday To All

Sun	Mon	Tue	Wed
		28	29
<h1>July 2005</h1>			
3	4 Independence Day	5 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz.	6 Net Control KN6LM ←
10	11	12 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz.	13 Net Control AD6AF ←
17	18	19 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz.	20 Net Control N6TEB ←
24	25	26 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz.	27 Net Control WB6ZGF ←
31	1	2 DARC 440 net 7:00 pm on Club 440 repeater. 445.640(-) pl 156.7 Hz.	3 Net Control WB6JDH ←

Thu	Fri	Sat
30	1	2
7 DARC MEETING 7:30 PM Sussman Middle School 12500 Birchdale Ave Downey, CA	8	9
14 2-meter net 7:15 pm Club simplex 145.595 Net Control AD6AF	15	16
21 2-meter net 7:15 pm Club simplex 145.595 Net Control K1SL	22	23
28 2-meter net 7:15 pm Club simplex 145.595 Net Control WB6ZGF	29	30
4 DARC MEETING 7:30 PM Sussman Middle School 12500 Birchdale Ave Downey, CA		