

# The ARCLITE

Volume 27, Issue 7

GARC Information Line 972 272-4499

July 1999

## GARC Officers

### President:

Gerry Crenshaw  
WD4BIS  
972 475-9664  
email: [gerryc@airmail.net](mailto:gerryc@airmail.net)

### Vice President:

Clay Orchard  
KC5MXN

### Secretary:

T.J. Hoover  
KC5ZTJ  
email: [tj@hisword.net](mailto:tj@hisword.net)

### Treasurer:

Ed Hubbuch  
KC5GGZ  
email: [kc5ggz@pipeline.com](mailto:kc5ggz@pipeline.com)

### Comm Officer:

Mark Durbin  
KC5GNG/AG  
email: [Mark.Durbin@wcom.com](mailto:Mark.Durbin@wcom.com)

### Education Officer:

Randy Dunning  
KC5QHH  
email: [RD45acp@airmail.net](mailto:RD45acp@airmail.net)

### ARCLITE Editor

Janet Crenshaw  
WB9ZPH  
972 475-9664  
email: [janet11@ibm.net](mailto:janet11@ibm.net)

### Trustees:

Bob Jones, W5BJ



## From the Prez....

### Field Day

Field day was quite successful this year. Our total score was 2376 points including the bonuses. I would like to thank everyone who participated, but especially our crew who put together our solar and wind power generation. Thanks to John Dake, KD5CTS, and Randy Dunning, KC5QHH, for their hard work. It was such a pleasure to work Field Day this year and not have to compete with the noise of the generator when talking on the radio and talking to people.

### Garland Star Spangled 4th

First I want to thank Clay Orchard, KC5MXN, and Mark Haas, KC5HTN, for all of their efforts. This event was a great success for us and I need to thank all the operators who helped in this event. The Star Spangled 4th this year saw an increase in participation by citizens of over 40 percent and yet things got handled as smoothly as always. The GARC and RACES provided 34 operators who filled 104 time slots and completed a total of 580 hours of public service. Our net controls had 34 pages of log notes and we handled all the normal traffic as well as several medical emergencies including a diabetic coma and heat exhaustion. Our net control also handled 3 lost children and several missing adults.

The City of Garland has labeled the Garland Star Spangled 4th a big success and to  
*(Continued on page 2)*



July 26, 1999

“Everything you ever wanted to know  
about Batteries”

By Mike Durbin, WA5TKC

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**From the Prez (Continued)***(Continued from page 1)*

quote one of the sponsors of the event:  
 “We could not have done it without you”.  
 Once again, the GARC and RACES  
 members have come through for the City  
 of Garland and my thanks to all the people  
 who helped.

Hope to see you all at the next meeting and  
 thanks once again

Gerry, WD4BIS

**Monday Night Info Net  
Control Operators**

<b>July</b>	Randy Dunning, KC5QHH
<b>August</b>	Mark Durbin, KC5GNG
<b>September</b>	Don Duncan, KC5GLM
<b>October</b>	Kay Duncan, KC5JWB
<b>November</b>	Any of the Schroeder family: Jim: KCBSU Sharon: KC5ZGK James: KC5EOR Jennilyn: KC5YZK Jacob: AC5NA Joseph: KD5EWQ
<b>December</b>	Theda, KC5QZZ
<b>2000: January</b>	No volunteer yet

**GARC General Information****Repeaters:**

The GARC operates two open repeaters for its members and for all local or visiting Amateur Radio Operators: Two meters: **146.66 (-)** and 70 Cmeters: **442.70 (+)**

**Voice Mail:**

For late-breaking news or to leave the club a message, call our 24-hour voice-mail line at **(972) 272-4499**.

**Information Net:**

GARC Information Net: held every Monday at 7:30PM on 146.66 (except for meeting nights and holidays). The net features current events, “swap shop”, and a technical information exchange. All area hams are encouraged to check in. All members are encouraged to volunteer to be net control for this net. Contact the GARC communications officer, Mark Durbin (*Mark.Durbin@wcom.com*), if you are interested.

**Internet:**

Information on the GARC can also be found on the world wide web address below:

<http://www.qsl.net/garc/>

The web site includes a map to the monthly meetings, classes, links to local public service events, and other items of interest to the hams in the Garland area.

**Newsletter:**

The Arclite is published monthly for the members of the Garland Amateur Radio Club. The contents of this newsletter are copyrighted the date of publication, but may be reprinted without

permission in any Amateur Radio Publication provided proper credit is given and the motive is the Advancement of Amateur Radio and Not For Profit.

The deadline for Arclite materials is the 2nd Monday of each month. If you have any informative or educational articles that you would like to see included in this newsletter, or if you have items to be included in the GARC calendar, please send it to the Arclite editor.

Arclite Editor  
 1027-B West Austin St.  
 Garland, TX 75040

or emailed to the Arclite Editor at  
*janet11@ibm.net*

**Membership:**

Membership forms are available at the GARC monthly meetings and on the GARC web site. Once the membership form and dues are submitted, new members are voted in at the next GARC monthly meeting.

The GARC membership roster is distributed to GARC members only and is included most months with the Arclite. It is not to be used for any commercial purposes.

To submit changes to the GARC roster (such as change of address, updated phone numbers, license upgrade, etc), send them to the GARC secretary, TJ Hoover (KC5ZTJ) at *tj@hisword.net*



## Meeting Minutes for June 28, 1999

The meeting was called to order by President Gerry Crenshaw at 7:30 PM.

The meeting started the Pledge of Allegiance and with visitor introductions.

A motion was made by Randy Dunning KC5QHH to approve the minutes as printed in the Arclite. Bill Reynolds K8DNE seconded the motion.

John Galvin N5TIM said he needs volunteers for the upcoming Air Show and the JDF Walk.

Clay Orchard said he needs a few more volunteers for the Star Spangled 4<sup>th</sup>.

Field Day was a big success the total CW QSO's was 161, total phone QSO's 517, with a total of 2,378 QSO's.

The bank balance at the meeting was \$3,096.23.

Randy Dunning KC5QHH brought his program on Alternative Energy.

Submitted by Secretary

TJ Hoover (KC5ZTJ)



*Notice from the Editor: There was no Board meeting between the June and July 1999 meetings, so there are no Board meeting minutes in this issue of the Arclite.*

## Thank you to Copies Plus By Janet Crenshaw, WB9ZPH

As some of you know, Copies Plus has been sold and is no longer owned by Wayne (K5IJT) and Louise Ivey.

This is a grateful "thank you" to the Ivey's on behalf of the Garland Amateur Radio Club for all the services they donated during the past couple years.

They have provided all of the printing services for the Arclite at no cost to the club. This has reduced the cost of this newsletter tremendously. As a result, membership money which would be previously spent for copying costs could be spent for repeater improvements and other benefits for the club and for area hams.

Thanks again for the swift and friendly services that you donated so willingly.

Janet Crenshaw, WB9ZPH  
Arclite Editor



## Changes in the Arclite

11 point type: However, this means we will be looking for a new way to copy the Arclite at the best cost possible.

10 point type: Until we find one, the newsletter may arrive a few days later than usual. Our normal goal is that the Arclite should be mailed a week prior to each monthly meeting. This way you should receive it a few days before the next meeting.

9 point type: We may be changing the format, size, or anything else about the Arclite to help reduce the cost of these copies. One way to reduce the number of pages is to reduce the size of the typeface. I have not done this in the past to help those (like myself) who read this with the help of glasses. However, I would like to hear from anyone who may have a problem with this. If you have trouble reading this paragraph, please let me know which size is acceptable to you (9, 10, or 11 point type).

Janet Crenshaw, WB9ZPH  
janet11@ibm.net



Things to Do

## Selected ARRL Contests and Special Events

(from <http://www.arrl.org/>)

### End of July, 1999:

Burnet, TX: Highland Lakes ARC, K5T, **1500-2200Z July 24**, celebrating the Hill Country Flyer Steam Train birthday party. 7.280 14.260 21.400 28.475. Certificate. Highland Lakes Amateur Radio Club, PO Box 856, Kingsland, TX 78639.

Gilroy, CA: Garlic Balley Amateur Radio Club, W6GGF, **1600Z July 24 to 2300Z July 25**, commemorating the 21st annual Gilroy Garlic Festival. 14.260 21.300 28.450. QSL. Randall Fox, W6JZE, 13346 Colony Ave, San Martin, CA 95046.

Canton, OH: Canton Amateur Radio Club, W8AL, **1300Z July 30 to 2400Z Aug 1**, for the annual Pro Football Hall of Fame Festival. 7.265 14.265 21.350 28.350. Certificate. Donald E. Perry, WQ8J, 968 Culverne Ave NW, Massillon, OH 44647.

Appleton, WI: Fox Cities ARC, W9ZL, 1400Z July 30 to 2100Z Aug 1, operating from the EAA Airventure fly-in at Oshkosh, WI. 40 20 15 10 meters. Certificate. Wayne Pennings, WD9FLJ, 913 N. Mason, Appleton, WI 54914.

Squam Lake, NH: TESARO Amateur Radio Club, W1G, 1600Z July 31 to 1600Z Aug 1, celebrating the filming of On Golden Pond. 14.025 14.255 21.255 28.325. Certificate. Darrel Daley, K1KU, PO Box 445, Putney, VT 05346.

### August, 1999:

**San Angelo, TX:** San Angelo Amateur Radio Club, W5QX, 0000Z **Aug 1** to 2359Z **Dec 31**, celebrating the 75th anniversary of the San Angelo Amateur Radio Club. 7.235 14.250 21.410 28.400. Certificate. Don Goff, 1210 Ardmore, San Angelo, TX 76905.

**Grand Haven, MI:** North Ottawa Amateur Radio Club, W8CSO, 1000Z **Aug 4** to 2000Z **Aug 8**, operating from Grand Haven's Annual United States Coast Guard Festival. 3.910 7.200 14.235 28.400. QSL. NOARC, Box 44, Ferrysburg, MI 49409.

**August 7-8:** ARRL UHF Contest

**Hawley, PA:** Camp Watonka Amateur Radio Club, KB3BUM, 1300Z **Aug 7** to 1600Z **Aug 8**, operating from the Camp Watonka Boys Science Camp. 7.240 14.240 21.340 28.440. Certificate. KB3BUM, PO Box 127, Hawley, PA 18428.

**Doylestown, OH:** Silvercreek Amateur Association, K8R, 1300 to 2359Z **Aug 7**, for the 6th annual Rogue's Hollow Festival. 7.270 14.270 21.430 28.430. Certificate. Rick Ramzy, K8RMR, 11781 Frazee Rd, Doylestown, OH 44230.

**Youngstown, OH:** Twenty Over Nine Radio Club, K8TKA, 1300-1900Z **Aug 7**, celebrating Coitsville Township's 200 Year Anniversary. 7.175, 14.225, 14.300. Certificate. Send SASE to the Twenty Over Nine Radio Club, 55 S. Whitney Ave, Youngstown, OH 44509.

**San Antonio, TX:** Alamo Area Radio Organization, KC5NTN, 1700Z **Aug 7** to 0300Z **Aug 8**, from the Texas Folklife Festival. 7.275 14.275. QSL. E.W. Forbess, KD5T, 7443 Silent Path, San Antonio, TX 78250.

**Fish Creek, WI:** Wooded Hills ARS, W9M, 1800Z **Aug 7** to 1800Z **Aug 14**, during the annual Door County Music Festival. 7.069 14.069 21.069 28.069 (all PSK31). Certificate. ND9C, N75 W22467 Chestnut Hill Rd, Sussex, WI 53089.

**Buffalo, NY:** Western New York DX Association, K2L, 0001Z **Aug 8** to 2359Z **Aug 22**, operating from Harborfest and the Buffalo Lighthouse during International Lighthouse/Lightship Weekend. 7.031 21.331 28.421. QSL. WB2YQH, PO Box 73, Spring Brook, NY 14140.

**Van Buren, IN:** Grant County Amateur Radio Club, W9EBN, 1500Z **Aug 12** to 2200Z **Aug 14**, Van Buren Popcorn Festival. 7.275 14.275 28.375 146.79. Certificate. L.B. Nickerson, KA6NQQW, 517 N. Hendricks Ave, Marion, IN 46952.

**New York City, NY:** Aircraft Carrier USS *Intrepid* Association of Former Crewmembers, WA3KEY/2, 1600Z **Aug 14** to 0100Z **Aug 15**, commemorating their 16th annual reunion. 3.875 7.240 14.275 21.375. Certificate. WA3KEY, PO Box 498, Quakertown, PA 18951.

**Waseca, MN:** Viking Amateur Radio Society, WAOCJU/9ALD, 1300Z-0200Z **Aug 14-15**, a special events station held for Edgar Johnson. 3885 7290 14286 21400. Jon Wynnemer WB0ZFH.

**Sycamore, IL:** Kishwaukee ARC, W8S, 1300Z **Aug 12** to 1900Z **Aug 15**, celebrating the 43rd anniversary of Northern Illinois Steam Power Show. 7.108 7.235 14.250 28.390. Certificate. Bob Yurs, W9ICU, PO Box 341, Sycamore, IL 60178.

**South Bend, IN:** Michiana ARC, K9F, 1400 to 2200Z **Aug 14** for the annual College Football Hall of Fame Enshrinement Festival. 7.250 14.250 21.330 28.440. Certificate. Burt Jaffe, W9BJ, 1105 N. Ironwood Dr, South Bend, IN 46615.

**Erie, PA:** Radio Forum, N3NHX, 1330 to 2400Z **Aug 14** celebrating the "Mad" Anthony Wayne Blockhouse. 7.235 14.235 28.400 28.450. QSL. Al Yacabozzi, N3NHX, 4031 W. 30th St, Erie, PA 16505.

**Jonesboro, AR:** RESPOND of Arkansas Amateur Radio Club, N5F, 1400 to 2300Z **Aug 14**, celebrating Fire of the Century: 100 years of the Jonesboro Fire Department. 7.245 14.235 28.435 147.165. QSL. RESPOND of Arkansas, Inc., PO Box 1672, Jonesboro, AR 72401.

**West Chester, PA:** W3QT, 1800 to 2400Z **Aug 15**, to commemorate the death of St Maximilian, SP3RN, believed to be the only canonized saint in the Roman Catholic church to hold an Amateur Radio license. 7.225, 14.265, 21.333, 146.985. Certificate. Lloyd Roach, W3QT, PO Box 152, Pocopson, PA 19366-0152.

**Adams Lake State Park, OH:** The DeForest Amateur Radio Club, K8GE, 1700 to 2300z **Aug 15**, commemorating the 25th anniversary of the DeForest Amateur Radio Club. 7.230 14.330. QSL. DeForest Amateur Radio Club, K8GE, PO Box 73, West Union, OH 45693.

**August 21-22:** ARRL 10-GHz And Up Cumulative Contest



Things to Do

## Garland Area Public Service Events

from John Galvin, N5TIM (<http://www.qsl.net/n5tim/>)

### Ongoing Events

**Garland Siren Test - Monthly** - The Garland early warning sirens are tested by the city the first Wednesday of each month at noon, weather permitting. Tests are generally conducted on the GARC repeater at 146.660Mhz with 600Khz negative offset. Amateur radio operators wishing to help with these siren tests should contact Bob Jones, W5BJ ([boj1@airmail.net](mailto:boj1@airmail.net)) if interested in helping out.

**Sachse Siren Test - Saturdays** - The early warning sirens located in Sachse are normally tested by the city each Saturday at noon, weather permitting. Participants are requested to be on site in Sachse by 11:45am and on frequency which is normally the GARC repeater at 146.660Mhz with 600Khz negative offset.

**RACES participation credit** is given towards fulfilling the yearly public service requirements. Amateur radio operators wishing to help with these siren tests should contact Doug Yates, AA5BP at 972-530-1850 (home)

### Upcoming Events

**Mesquite Balloon Festival - June 25-27** - The fourteenth annual Balloon Festival at Pashall Park in Mesquite, Texas. About 35 communicators are needed for this event. Contact Pamela Green, KB5WOG, ([stauros@onramp.net](mailto:stauros@onramp.net)) to sign-up for this event.

**4th of July in Garland - July 2-4** - The annual City of Garland, Texas Fourth of July celebration in old downtown. Amateurs are needed during the following times and days. Friday, July 2nd, from 3:30pm to midnight. Saturday, July 3rd, from 7:00am to midnight. Sunday, July 4th, from 9:30am to midnight. Events include a parade. Contact Clay Orchard, KC5MXN ([mcorch@juno.com](mailto:mcorch@juno.com)) to sign up for this event.

**Walk to cure Diabetes - Septmeber 25, 1999** - The JDF walk at White Rock Lake. This annual event starts at Winfrey Point and goes half way around the lake and back. A blast for all. Details soon!

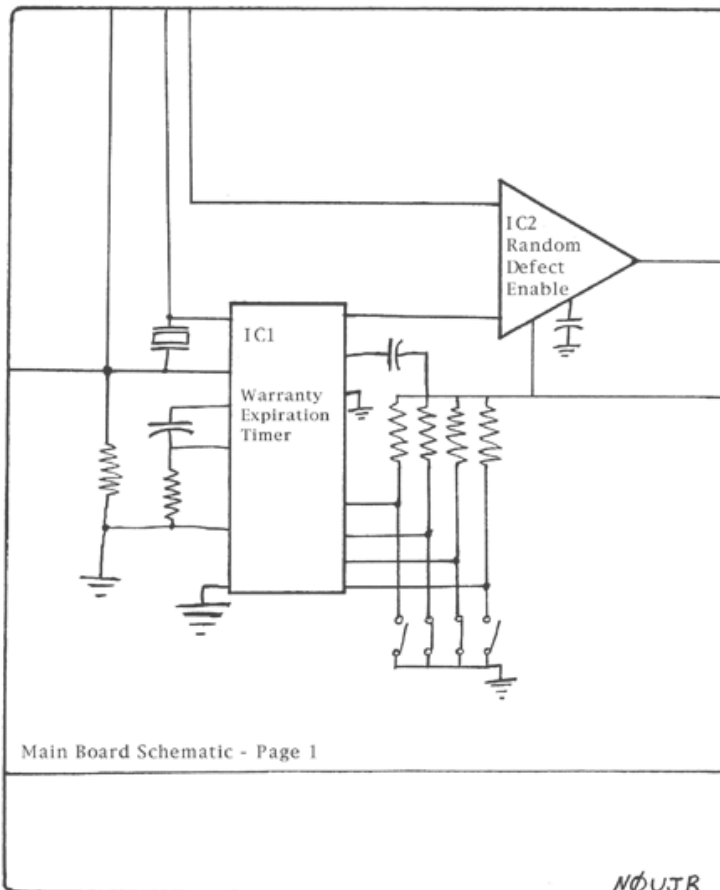
**The Dallas Airshow - September 11-12, 1999** - It's on this year. Just got the confirmation. Would like suggestions of a better way to allocate operating periods. Also will take sign ups. Contact John Galvin, N5TIM with infomation or to sign up.

### Reports on Past Events

**March of Dimes Walk - April 24** - Annual walk at White Rock Lake to benefit the March of Dimes. THis year the weather cooperated and we have only a few minor injuries to walkers. The MOD staff had high praises for the team and we are requested back next year. The following amateur radio operators supported this event; KC5GGZ, KA5ZWY, WT5Q, W5BJ, KB5ZAK, KC5TFQ, WA9WCC, KF9AS, K8DNE, KC5GNG, WA5LD, KC5WYE, KC5WRS, KD5DAT, N5YDX, KC5FEZ, KB5PYS, KA5SOT, KC5QBC, N8QVT, K5HW, N5LZX, N5TIM and KC5INW with the ambulance crew. Please direct any follow up to John Galvin, N5TIM.



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Main Board Schematic - Page 1

The real reason electronic equipment often fails right after the warranty expires.



## End of July 1999

Sun	Mon	Tue	Wed	Thu	Fri	Sat
18 8pm: Dallas RACES training net	19 7:30pm GARC Information Net	20 <b>Class:</b> Technician Theory	21	27 7:30pm Garland VE Testing Session 9pm: Garland RACES training net	23	24 Noon: Sachse Siren Test
25	26 <b>7:30pm Monthly GARC Meeting</b>	27	28	29 9pm: Garland RACES training net	30	31 <b>Class:</b> Home Brew Noon: Sachse Siren Test



## August 1999

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 8pm: Dallas RACES training net	2 7:30pm GARC Information Net	3	4	5 9pm: Garland RACES training net	6	7 Noon: Sachse Siren Test
8	9 7:30pm GARC Information Net	10	11	12 9pm: Garland RACES training net	13	14 Noon: Sachse Siren Test
15 8pm: Dallas RACES training net	16 7:30pm GARC Information Net	17	18	19 9pm: Garland RACES training net	20	21 Noon: Sachse Siren Test
22	23 <b>7:30pm Monthly GARC Meeting</b>	24	25	26 7:30pm Garland VE Testing Session 9pm: Garland RACES training net	27	28 Noon: Sachse Siren Test
29	30 7:30pm GARC Information Net	31				

**Training**

## 1999 GARC Training Schedule

The Garland Amateur Radio Club's training program has the following classes underway or scheduled. Call Karen, W4YHN, or Randy, KC5QHH, Dunning at 972 495-9654 to verify times, locations, or to sign up for a class.

### Theory Classes

#### Technician Theory

**January:** Tuesdays, Jan 26, Feb 2, 9, 16, and 23. 7:00 to 8:30pm at the ECC. Garland VE testing on February 25.

**June:** Tuesdays, June 22, 29, July 6, 13, 20. 7:00 to 8:30pm at the ECC. Garland VE testing on July 22.

#### Kid's Classes

**Novice in June:** June 14 through 18, 10:00am to 2:00pm. Bring sack lunch. Location: Dunning's (call for directions). Garland VE testing on June 24.

**Technician in July:** July 12 through 16, 10:00am to 2:00pm. Bring sack lunch.

#### General Theory

**May:** Tuesdays, May 4, 11, 18, 25, 7:00 to 8:30pm at the ECC. Garland VE testing on May 28.

#### Advanced Theory

**September:** Thursdays, September 16, 23, 30, October 7, 14, 21 at 7:00 to 8:30pm at the ECC. Garland VE testing on October 28.

### Morse Code Classes

#### 5 WPM

**March:** Tuesdays, March 2, 9, 16, 23, 30, April 6, 13, 20, 7:30 to 8:30pm at the ECC. Garland VE testing on April 22.

**September:** Tuesdays, September 7, 14, 21, 28, October 5, 12, 19, 26, 7:30 to 8:30pm at the ECC. Garland VE testing on October 28.

### Specialty Classes

These are practical, often hands-on, fun classes. The dates are subject to change to accommodate public service events

**ECC Operations:** Feb 6, (Bob Jones, W5BJ)

**ECC Operations:** April 17, (Bob Jones, W5BJ)

**Home Brew:** May 15

Soldering PL 259 connectors - KB5NSI

Making Molex 12 volt connector - WD4BIS

Making standard audio connector - KC5GLM

**Field Day Operations:** Saturday, June 19th, instructor TBD

**Getting Started in Packet Radio** - CQ Video at Field Day, June 26th

**Getting Started in Amateur Satellites** - CQ Video at Field Day, June 26th

**Getting Started in DXing** - CQ Video at Field Day, June 26th

**Home Brew:** July 31

Soldering PL259 connectors - KB5NSI

Making Molex 12 volt connector - WD4BIS

Making standard audio connector - KC5GLM

**Home Brew for Kids: Circuit Board Project** - August - KD5OUG

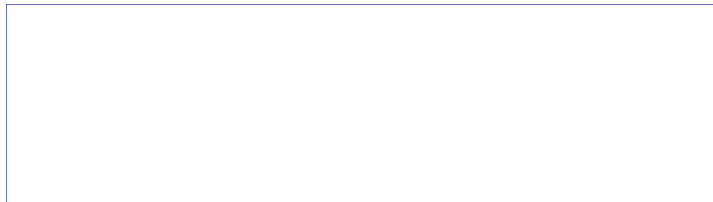
**Home Brew: Micro-controller (PIC) Project** - August - WD4BIS/KC5QHH

**ECC Operations:** November 6. (Bob Jones, W5BJ)

**Repeater Operation and Maintenance** - TBD - KC5GNG



Garland Amateur Radio Club  
Emergency Communications Center (ECC)  
1027 B West Austin Street  
Garland, TX 75040



*Please Rush!!!*

In This Issue...

**Next GARC meeting: Monday, July 26, 1999. Don't miss it!**