

<> The ARCLITE <>

Volume 28, Issue 05

GARC Information Line 972 272-4499

MAY 2000

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From the Prez ...

May 2000

Well, old habits die hard. Here I am again, past deadline on my article. So, I will try to keep it short, but do have a couple of issues to discuss.

First, we have Field Day coming up on June 24th and 25th. We will locate the GARC site at Bradford Park again this year. We will provide more details later, but I have a couple of things to pass along. Mark Durbin (KC5GNG) is coordinating the volunteers for setup and donations. One of the things that might be needed is a beam. If you have a beam that you would like to donate to field day, please contact Mark via e-mail at KC5GNG@qsl.net. Also, discussion took place with the board regarding a training class for Field Day logging. If you feel that you would be interested, let Randy Dunning (KC5QHH) or myself know and we will schedule one. Finally, we will be having a cookout on Saturday night as we have done in the past, and members and guests are welcome. The club will provide hamburgers, hotdogs, baked beans, and sodas. We ask that attendees bring a side dish or dessert as we have in the past. So, make plans now to join us for a fun weekend!

Another event that we need to make prepare for is the City of Garland's Star Spangled 4th. This year the event has been increased to 4 days, so volunteers are needed more than ever. One of the closest allies that we have is the City of Garland, and it is very important that we have a strong showing during this important city event. Also, if you are a R.A.C.E.S. member, you get public service credit for this event. Please contact Clay Orchard (KC5MXN) via e-mail at mcorch@juno.com to volunteer.

For those who are not aware, Steve Ackerman (KC5WYE) went through bypass surgery a couple of weeks ago. At last report was the he was doing well. I want to convey on behalf of the GARC our best wishes for a full and speedy recovery.

Be sure to join us at the next meeting on Monday May 22nd. We have a very interesting program by the Schroeder family on "The Step by Step Progression of Raising a Tower". I hope to see you there. Until then, 73's.....Kaye

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MINUTES
GARLAND AMATEUR RADIO CLUB
April 24, 2000

The regular meeting of the Garland Amateur Radio Club held at the Garland Women's Activities Building was called to order at 7:30 pm by the President, Kaye Duncan, KC5JWB.

The club was lead in reciting the Pledge of Allegiance by Don Duncan, KC5GLM, followed by the introduction of all members and guests present.

OLD BUSINESS:

Minutes of the March 2000 meeting were approved as printed in April 2000 issue of *The ARCLITE*. The President extended appreciation to the retiring board members for their hard work on behalf of the club. VE liaison Bill Reynolds, K8DNE reported on the April 15th paperwork only upgrade session. There were 73 upgrades; 43 General Class and 30 Extra Class licensees. The volunteers and VE's were recognized and thanked for their help.

NEW BUSINESS:

The club welcomed new members Matt Wade, WA5DE and Elvin Hartman, KD5JEM. The President appointed Janet Crenshaw as Webmaster to maintain the GARC Website. Bob Jones reported on Willem van Tuijl and his progress and thanked the club for contributing \$200.00 to the fund established for Willem. Other contributions can be made for Willem by sending a gift to: The Willem Fund, 3226 Newcastle Drive, Dallas, TX 75220. Upon motion and second, the club voted to authorize the purchase of *Adobe Acrobat* for the preparation of *The ARCLITE* at a price not to exceed \$400.00. Special Events Coordinator John Galvin, N5TIM, reported on upcoming events and stated volunteers are needed for the MSWalk. Vice-President Clay Orchard, KC5MXN, gave a progress report on the *Star Spangled 4th*

The President gave an overview of "Looking to the Future" for GARC by indicating the need for the GARC to take the lead in getting the story of Amateur Radio in the public schools with the GARC being a pilot program for the ARRL.

STAFF REPORTS:

Education Director Randy Dunning, KC5QHH, reported a "Handi-Finder" building class will be held on May 2, 2000 at the ECC.

Treasurer Ed Hubbuch, KC5GGZ, reported the cash account balance as of 4/24/00 was \$2,732.93.

PROGRAM:

Bob Jones, W5BJ, presented a program in display and discussion of the various types of HF equipment available to the radio operator.

ADJOURNMENT:

All matters of business and program being completed, the meeting adjourned at 9:15 pm.

Respectfully submitted,
L. D. Carpenter
Secretary, GARC

MINUTES
BOARD OF DIRECTORS
GARLAND AMATEUR RADIO CLUB, INC.
MAY 9, 2000

The regular monthly meeting of the Board of Directors of the Garland Amateur Radio Club, Inc. was called to order at 7:15 pm by the President, Kaye Duncan, KC5JWB. A quorum being present.

Those officers and directors present were:

Kaye Duncan, KC5JWB President
Clay Orchard, KC5MXN Vice-President
L. D. Carpenter, WA5LD Secretary
Randy Dunning, KC5QHH Training Officer
Allen Yoder, KB5GME Arclite Editor
Mark Durbin, KC5GNG Communications Officer
Ed Hubbuch, KC5GGZ Treasurer

OLD BUSINESS:

The ARCLITE editor has obtained the Adobe Acrobat Software and it will not be necessary for the club to purchase a copy at this time.

Discussion of the change of signatures on the club checking account. Kaye Duncan will obtain the signature cards from Guaranty Bank and will add her name as authorized signature.

Field Day preparations were discussed. Mark Durbin stated he was still waiting for a response from the city regarding the use of Bradfield Park. Mark further indicated the need for a rotor and HF beam. The board agreed to ask the same crew that facilitated Field Day 1999 to once again work Field Day 2000. There was inquiry and discussion as to the need for a field day logging class prior to the event.

NEW BUSINESS:

Clay Orchard updated the board on the Star Spangled 4th preparation. The city has two questions unanswered: 1) When is the parade; and 2) Will there be fireworks each night. There is still a need for radio operators.

General discussion of publicity for the GARC and events. Kaye Duncan gave an overview of suggestions received from club members regarding the long-term future of the club. The suggestions ranged relocating and adding repeaters to a radio equipped trailer. Randy Dunning discussed the need for a charge controller for the solar panels that had been donated. Motion by Kaye Duncan, second by Allen Yoder to purchase the controller at a cost of \$39.00.

All matters of business complete, the meeting adjourned at 8:30 p.m.

L. D. Carpenter
Secretary, GARC

Amateur Radio Operator.

It all started innocent enough. Cecil Cooper, K5BSY (SK) was an escort at my senior prom. His date mentioned that they had talked mobile from his '59 Chevrolet Impala to an Amateur Radio operator in India. I was hooked! Now as an Extra Class licensee; I wish to pass on some of my experiences in Amateur Radio.

No, I'm not famous, (yet*)! But some of my personal favorites, like Barry Goldwater, the 40s & 50s radio host Arthur Godfrey, country singer Ronnie Milsap, just retired late nite talkshow icon Art Bell, or the late King Hussein of Jordan ... are all world renown Amateur Radio Operators! This article is not for me to toot my own horn; but instead, to illustrate the diversity of our unique hobby. From my talking to the launch crews of the Apollo moon missions to having my choice of call letters in Nicaragua: (YN4 Gringo North Texan), Amateur Radio has been an integral part of my life.

It seems to me that the word "volunteer" should be placed in front of Amateur Radio Operator. After "checking in" to various 75Meter nets, the 7290 traffic net, Navy MARS, 20Meter Intercontinental & Maritime Mobile nets; I said to myself: "I can do that." So, I cautiously volunteered to be a Net Control. Talk about a fast lesson in organizational skills. It's like being a traffic cop on the air! I like to compare in perhaps a different context to make a point! A massage therapist that I know had a plaque on her office wall: "Tis better to give ... & receive"! That is exactly what Amateur Radio is all about to me! We give to the community (from local to worldwide) and part of our return is the blessings of the FCC to continue "operating in the Public interest"! How 'bout you? Get involved!

One of the neatest things I've done via Amateur Radio was to make phone patches for the U.S. Navy scientists on the South Polar ice. We get an occasional "Thank you" for the RadioGrams that we delivered to loved ones far, far away. That makes it all worthwhile! What have you done lately for the good of Amateur Radio? Get involved!

Storm spotting and emergency preparedness is another facet of Amateur Radio. When all other means of communication are down; Amateur Radio is there to help. Become part of your local Radio Amateur Civil Emergency System or Amateur Radio Emergency Service organization. The life you save may be your own! Volunteer!

Perhaps one of my most gratifying experiences was being an instructor for a novice class. That taught me how to explain a topic by saying the same thing in several different

ways until "that light came on" in the students' eyes. Can you say "Volunteer, Bunkie"?

Volunteer. Boy did I! After listening to Jim Haynie, W5JBP read a letter from the Houston ARC asking for "volunteer" Amateur Radio Operators to spend a summer handling communications throughout Central & South America; I volunteered. The Amigos de las Americas medical team trains late high school & early college students that are thinking of going into some medical field. Students are given hands-on training learning how to give inoculations. In addition there was an eyeglasses & a dentistry program that traveled into remote villages. Amateur Radio was the only means to coordinate the movement of personnel & medical supplies throughout seven countries.

On July 4, 1976 (our Bicentennial year), I was going to arrange to run some phone patches for some of the students to call back home to their loved ones from Honduras. 20Meters sounded "funny" and it took me a moment to realize that there was an emergency on frequency. Two kids in Venezuela were bitten by a rabid dog, and because of the USA Bicentennial, everybody was "on a midweek Holiday". All U.S. pharmaceutical firms were closed. I turned to our medical director and told him the situation. He said, "Let me check into that!" In 5 minutes he came running back to the medical compound ... almost out of breath ... said "I have some vaccine (for humans**). Remember now; that we were in Honduras ... not exactly an airline hub by any stretch of one's imagination. We packed the vaccine in ice to be routed thru Miami to Venezuela. The vaccine arrived in time to save the kids lives! Yes, I was involved!

Locally, by being a part of various "thons" like the Turkey Trot & Star Spangled 4th; one gets to know his fellow hams just by "osmosis". On a lark, after hearing about a movie that involved Amateur Radio: I jumped in to coordinate FREE tickets for the screenings of the movie "Frequency" with the appearance of the Dallas ARC Emergency Communications Van. As a result Amateur Radio received lots of press coverage from local media, and many of you got to see a great movie, gratis! People who have never heard of hams or ham radio were exposed to the hobby both by the movie and our presence at the theater! Get involved!

*As a Professional Actor; I've been in over 26 movies plus numerous commercials.

** as a medical note there are two kinds of Rabies vaccine: one for Humans & one for all other animals!

As Charles Osgood would say, "See ya on the radio!"
73, Swank Roberts, WA5GNT (972) 495-6553

THE "CONSIDERATE OPERATOR'S FREQUENCY GUIDE"

The following frequencies are generally recognized for certain modes or activities (all frequencies are in MHZ) Nothing in the rules recognizes a net's group's or individual's special privilege to any specific frequency. Section 97.101(b) of the Rules states that "Each station licensee and each control operator must cooperate in selecting transmitting channels and in making the most effective use of the amateur service frequencies. No frequency will be assigned for the exclusive use of any station. "No one owns" a frequency. Its good practice and plain old common sense for any operator, regardless of mode, to check to see if the frequency is in use prior to engaging operation. If you are there first. other operators should make an effort to protect you from interference to the extent possible, given that 100% interference-free operation is an unrealistic expectation in today's congested bands.

1.800-1.830	CW, data and other narrowband modes	21.070-21.100	Data
1.810	QRP CW calling frequency	21.090-21.100	Automatically controlled data stations
1.830-1.840	CW, data and other narrowband modes.	21.340	SSTV
	Intercontinental QSO's only	21385	QRP SSB calling frequency
1.840-1.850	CW,SSB,SSTV and other wideband modes. Intercontinental QSO's only	24.920-24.925	DATA
1.850-2.00	CW, phone, SSTV and other wideband modes	24.925-24.930	Automatically controlled data stations
		28.060	QRP CW calling frequency
		28.070-28.120	DATA
3.500-3.510	CW,DX	28.120-28.189	Automatically controlled data stations
3.590	RTTY DX	28.190-28.225	Beacons
3.580-3.620	DATA	28.385	QRP SSB calling frequency
3.620-3.635	Automatically controlled data stations	28.680	SSTV
3.710	QRP Novice/Technician CW Calling frequency		
3.790-3.800	DX window	29.000-29.200	AM
3.845	SSTV	29.300-29.510	Satellite downlinks
3.885	AM Calling frequency	29.520-29.580	Repeater Inputs
3.985	QRP SSB calling frequency	29.600	FM-SIMPLEX
		29.620-29.680	Repeater Outputs

7.040	RTTY DX QRP CW calling frequency
7.075-7.100	Phone in KH/KL/KP ONLY
7.080-7.100	Data
7.100-7.105	Automatically controlled data stations
7.171	SSTV
7.285	QRP SSB calling frequency
7.290	AM calling frequency

10.106	QRP CW calling frequency
10.130-10.140	DATA
10.140-10.150	Automatically controlled data stations

14.060	QRP CW calling frequency
14.070-14.095	Data
14.095-14.0995	Automatically controlled data stations
14.1	IBP/NCDXF beacons
14.1005-14.112	Automatically controlled data stations
14.230	SSTV
14.285	QRP SSB calling frequency
14.286	AM calling frequency

18.100-18.105	Data
18.105-18.110	Automatically controlled data stations

NOTE:
ARRL band plans for frequencies above 28.300 are shown in the ARRL Repeater Directory and the FCC Rule Book. For detailed packet frequencies see QST, September 1987, page 54 and March 1988 page 51.

IBP/NCDXF beacons operate on 14.100 and 18.110, 21.150 24.930 and 28.200 MHZ

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Here are some interesting frequencies to listen to:

3.870	Friday 7:30p.m.
3898	Monday 6:30 p.m.
7.245	Sunday 10:00a.m.
7.235	Sunday 2:00p.m.
3.922	Sunday 7:30 p.m. (8:00 dst)
7.275	Sat & Sun 8:00 a.m.
21.060	QRP CW calling frequency
144.250 ssb	Wed 9:00p.m.
146.94	Wed 8:00p.m.
147.18	Thur 8:00p.m.

SUBMITTED BY HAROLD YODER N5MQA

Run for the Arts - May, 2000 - Dallas, Texas. End of May event, no details. Contact is Jim Galloway, N5MDI, jamesg@airmail.net or use [Easy Sign-up Form](#).

Mesquite Bike Ride - June 3, 2000 - This will be a Saturday event. There will be approximately 1500 to 2000 participants. The Ride will start with the first race at 0750. We will need operators for the sack vehicles, bike repair trucks, check points and some shadow operators. This will be a directed net environment and should count for RACES members public service requirements (check with your Radio Officer).

To volunteer please contact Rob Ashmore KA5SNM at 972-288-1232 or via email at rashmore@swbell.net.

HamCom 2000 - June 9-10, 2000 - Arlington Convention Center, Arlington, Texas.

MADD'er N Hell Bike Rally - June 27, 2000 - MADD sponsored bike rally at Lake Ray Roberts. Rally starts and ends at Isle du Boise State Park (No fee on this day). A great day with communications, APRS and maybe even ATV. Please come out and enjoy a day at the park. To sign on, please e-mail to : Jim Dye, N5JZ.

4th of July in Garland - July 1-4, 2000 - The annual City of Garland, Texas Fourth of July celebration in old downtown. Events include a parade. Contact Clay Orchard, KC5MXN, mcorch@juno.com to sign up for this event.

Walk to cure Diabetes - Septmeber 2000 - The JDF walk at White Rock Lake. This annual event starts at Winfrey Point and goes half way around the lake and back. A fun time for all. Details soon!

White Rock Marathon - December 10, 2000 - Dallas' premier running event. This annual 27 mile run is one of the qualifying events for the New York Marathon. Usually about 60 amateurs are needed to cover this event. Details to follow.

email addresses for event coordinators.

Bob Jones, W5BJ - bobj1@airmail.net
 Clay Orchard, KC5MXN - mcorch@juno.com
 Jim Lawyer, AA5QX - aa5qx@airmail.net
 Doug Yates, AA5BP - yates@cyberramp.net
 Kaye Duncan, KC5JWB - kduncan@airmail.net
 Bill Fell, KK5PB - kk5pb@arrl.net
 Doug Kilgore, KD5OUG - dougekilgore@home.net
 Pamela Green, KB5WOG - stauros@onramp.net
 John Sanders, AB5ZR - john.sanders@mci.com
 Jim Galloway, N5MDI - jamesg@airmail.net

John Galvin, N5TIM - n5tim@arrl.net
 James Marple, KB5ZDG - jmarple@dhc.net
 Bob Ashmore, KA5SNM - rashmore@swbell.net
 Roger Risinger, K5WWG - roger.risinger@mci.com
 Jim Dye, N5JZ - N5jz@aol.com
 Theda Harrison, KC5QZZ - kc5qzz1@juno.com

From: Clay Orchard <mcorch@juno.com>

I want to express my thanks to Bob Jones (W5BJ) for coordinating the club program for April. I know that many of you got a lot out of the presentations by the various members as they talked about their H F rigs. With the many folks who upgraded their license class on April 15th, there has to be a lot of interest in what is out there, and how does it work. The program for May is the fabulous Schroeder group, on the trails and tribulations of putting up a tower and antenna farm. Should be very enlightening. As a reminder, the first of the City of Garland's special events is of course the 4th of July celebration. Remember to mark your calendars for the first thru the fourth. If you wish to be added to the list of happy operators please E-mail me at mcorch@juno.com. Give me your name, phone number, E-mail address, and days and times you would like to sign up for.

Field day is coming and as most of you know, it gives the club a chance to pull out all that extra stuff we have in the ECC, set it up, and try to talk to as many folks around the country as we can in 24 hours. KC5GNG (Mark) as usual has things on its way to being under control, but I am sure that he could use your help getting ready.

This is a very busy group of people. We have a roster of over 140 members, and we are called upon to serve many various communication needs. The better we do our thing, the more people who wish for us to do it for their event. While every special event that happens in the wide spread area is important, we need to keep in mind that the City of Garland is our home. We need to remember the City and how they reward us by providing a great environment to practice our hobby. After all that is what our city is. A place for to play with our toys while doing much good for our neighbors. Like K8DNE is prone to say, " I ts like preaching to the choir".
 Peace and Grace to you, We will see at the meeting
 Clay KC5MXN V-President.

Aerials and Where to Stick them

There are a great many types of antenna and most of them function best when they are erect. This is because of 'standing-waves' which produce energy in a vertical plane. Energy in the horizontal plane requires 'lying-down waves' and this is why most of the radiated and received energy is termed 'ecstatic' rather than 'magnetic'. (Kirchhoff's fourth and fifth laws of self-immolation present a heated argument on this subject.)

One of the most famous aerials is the diamond-shaped 'Ron Bick' aerial, named after its inventor Ron Bick of Watford, England. This aerial is very good but, because of its size, it has two main disadvantages - it is difficult to erect vertically and it is of limited use in fast-flying jet aircraft.

Another aerial that deserves a mention is the Log Periodic - so I have mentioned it.

I will now move quickly onto the three 'pole' antennas, namely the monopole, the dipole and the tripole. The last-mentioned can be disregarded as it is not now in use. The reason for this is fascinating, but I can't remember what that reason is. The monopole is very useful for LF, MF and HF but has limited usefulness at VHF frequencies where one should use the stereopole if maximum enjoyment is required.

At this point the reader may feel that there has been some neglect of the technical aspect of aerials. This is true and the author intends to deal with the dipole in depth technically, but at the same time try to satisfy the natural curiosity of the non-technical reader.

The word 'dipole' is a composite of two Latin words, 'di' meaning 'six' and 'pole' meaning 'sticks'. So it can be easily seen, even by the most ignorant, that a dipole is made from six sticks. As the reader will already know from my in-depth study of the Log Periodic, six sticks will have a much wider aperture than only one stick. Now we come to the technical bit. Pushing these sticks into the ground at regular intervals will give a quasi-omniphysical deltoid stub-matching line-of-sight high incident ground-wave. If three of the 'sticks' are coated with an intensely ionised P material and the other three coated with un-ionised N material then Zowie! - it's instant Receivesville man. (It is hoped that the reader will forgive the author for occasionally lapsing into the vernacular, particularly when excited.) Another thing about aerials that must be remembered is feeder independence. If the feeders of dipoles are spread apart it changes the natural independence of the aerial from 75 Ohms to 250 Megohms. As is commonly known it is impossible to hear anything with that sort of resistance in the aerial feeder. So best not to do it.

Other types of aerial in constant use are the 'Beverage' (called the 'T' aerial in Britain). This is also called a long wire and is 1.5 inches long at 16 Ghz. The Inverted X is also famous but not much in use as no-one can decide which way up it is supposed to be.

Finally, we move on briefly to microwaves where there are special considerations to be taken into account. Microwave and satellite signals can 'bounce around' all over the place and can become what is technically known as 'dirty'. However, fortunately there is one aerial which can be used effectively to 'clean up' these 'dirty' signals. This is, of course, the very well-known Carbollic Dish.

REPRI NTED SEE http://ourworld.compuserve.com/homepages/alan_cake/Aerialso.htm

NOTE: THE ONLI NE VERSI ON OF THE MAY ARCLITE DOES NOT CONTAI N A CLUB ROSTER. CLUB MEMBERS MAY REQUSET A ROSTER BY EMAIL: ady@yodertronix.com

2000 May

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
	1 7:30 PM INFO NET 146.66	2 8:00 INFO NET 145.31 Mesquite	3	4 PARK 147.18 8:00pm 9:00 pm RACES NET 146.66	5	6
7 RACES NET 8:00 pm 146.88	8 7:30 PM INFO NET 146.66	9 8:00 INFO NET 145.31 Mesquite	10	11 PARK 147.18 8:00pm 9:00 pm RACES NET 146.66	12	13
14	15 7:30 PM INFO NET 146.66	16 8:00 INFO NET 145.31 Mesquite	17	18 PARK 147.18 8:00pm 9:00 pm RACES NET 146.66	19	20
21 RACES NET 8:00 pm 146.88	22 GARC CLUB MEETING 7:00pm	23 8:00 INFO NET 145.31 Mesquite	24	25 9:00 pm RACES NET 146.66 GARC VE TEST SESSION: Arrive before 7:30 PM	26	27
28 ARCI QRP HOOT OWL SPRINT CW CONTEST	29 7:30 PM INFO NET 146.66	30	31			

2000 June

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
				1 PARK 147.18 8:00pm 9:00 pm RACES NET 146.66	2	3
4	5 7:30 PM INFO NET 146.66	6 8:00 INFO NET 145.31	7 DARC MEETING	8 PARK 147.18 8:00pm 9:00 pm RACES NET 146.66	9 HAM COM	10 HAM COM
11	12 7:30 PM INFO NET 146.66	13 8:00 INFO NET 145.31	14	15 PARK 147.18 8:00pm 9:00 pm RACES NET 146.66	16	17 WEST VA QSO PARTY/KIDS DAY
18	19 7:30 PM INFO NET 146.66	20 PARK CLUB MEETING	21	22 9:00 pm RACES NET 146.66 GARC VE TEST SESSION: Arrive before 7:30 PM	23	24 FIELD DAY
25	26 GARC CLUB MEETING 7:00PM	27 8:00 INFO NET 145.31	28	29 PARK 147.18 8:00pm 9:00 pm RACES NET 146.66	30	

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 (kc5gng@qsl.net), 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 ady@yodertronix.com

Membership:

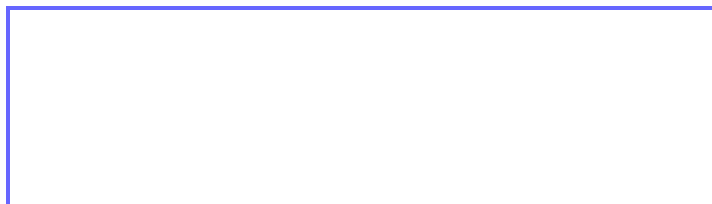
Membership forms are available at the GARC monthly meetings and on the GARC web site. Once the membership form and dues are submitted, new members are voted in at the next GARC monthly meeting.

The GARC membership roster is distributed to GARC members only and is included twice a year in 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, L.D. Carpenter at ldcarp@flash.net



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



Please Rush!!!

Reminder

HAM-COMM JUNE 9/10 FIELD DAY IS JUNE 24