

AARC COVER



Keeping Austin Wireless for Over 90 Years!

Bulletin of Austin Amateur Radio Clubs

ISSN 1067-0262

December 2009

Merry Christmas

Issue 12-2009

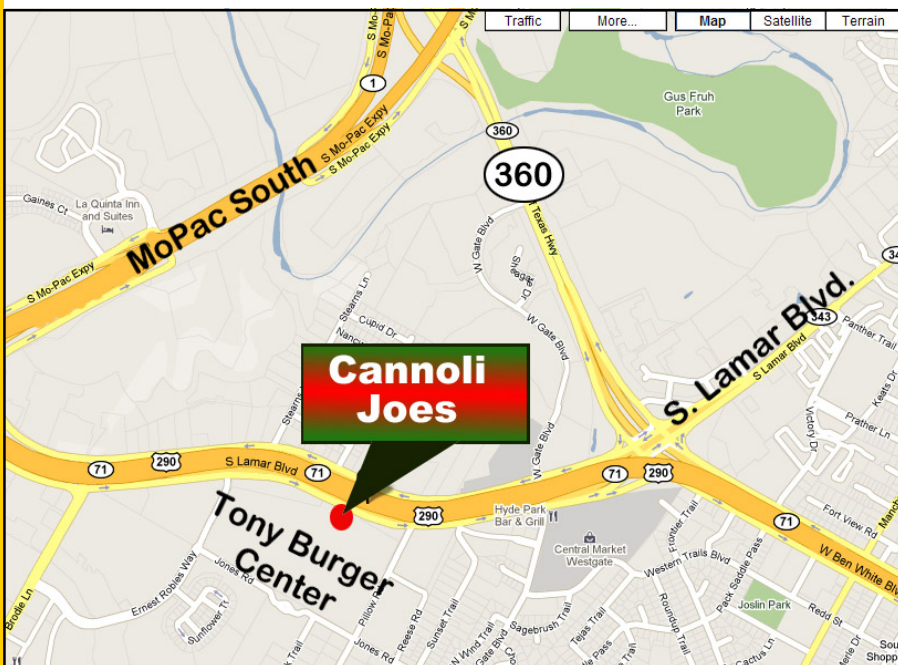
Christmas Party 2009

2009 marks our 90 year affiliation with ARRL and we are celebrating! Tuesday December 1st at 7:30 at Cannoli Joe's we will have our annual Christmas Party. Tickets are \$20 each and you can buy them at www.austinhams.org

We will have a QLF contest, a Table top Decorating Contest, Christmas carols and more fun!

Don't miss out on this years special dinner at Cannoli Joe's Italian Buffet.

Go to the Austin hams website or the latest details! Tickets are still available!



Periodic Events

Sun	7:30 p.m.	Travis ARES net	147.36 MHz + (131.8)
Sun	8:00 p.m.	Travis ARES Packet	145.73 MHz -
Sun	8:00 p.m.	Williamson ARES net	146.64 MHz - (162.2)
Sun	9:00 p.m.	ARO Swapnet	146.94 MHz -
Sun	(After Swapnet)	Newsline	146.94 MHz -
Mon.	7:30 p.m.	STX ARES Net	3.873 MHz
Tues.	7:30 p.m.	Hays ARES net	444.150 + (114.8)
Tues.	8:00 p.m.	Bastrop ARES Net	443.750 + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.94 MHz -
Thu	9:00 p.m.	2m SSB Net	144.250 (USB)
Thu	11:30 a.m.	Lunch, Waterloo Ice House	444.1 MHz+
Fri	8:00 p.m.	6m SSB Net	50.230(texasvhf.org/)
Sat	7:00 - 8:30a.m.	Breakfast @ Waterloo Ice House	444.1 MHz +
Sat	9:00 a.m.	Chapter 67 QCWA QSO Net.	3.920 MHz LSB
Daily	6:30 p.m.	Central Texas Traffic Net	147.14MHz+

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Ham Radio Exams Results

The following are the results of the ARRL VE Test Session held on November 10th, 2009 at the Bethany United Methodist Church :

Technician Class Licenses Processed

Maria D. Acosta-Barron, KF5DVQ	Rujie Cao, KF5DVT	Brian T. Cram, KF5DVM
Michael R. Koelzer, KF5DVV	Subhash V. Mullapudi, KF5DVP	Akber M. Patel, KF5DVS
Zachary J. Ricks, KF5DVU	Kevin C. Sinkar, KF5DVR	Richard A. Stitt, KF5DVN
Thomas K. Wang, KF5DVO	Darius D. Williams, KF5DWM	

General Class Licenses Processed

Paul A. Barron, KC5KUQ	John P. Cornelius III, KF5DKT	Daniel P. O'Neil, KG4ZEX
------------------------	-------------------------------	--------------------------

Extra Class License Processed

James L. Reese, WD5IYT

Examiners Participating in this Test Session

Curt Goodson, W4QBU	Larry Gunter, WB5BEK	Gene Hinkle, K5PA
Joe Makeever, W5HS	Jack Stankus, W2JS	

Next ARRL VE Test Sessions

December 5th - Bethany United Methodist Church, Disciple Bldg. Room 213

January 9th - Bethany United Methodist Church, Disciple Bldg. Room 213

TNX ES 73 DE W5HS

11-21-2009

The South Austin W5YI VE team heartily congratulates all of the following people who earned new or upgraded amateur radio licenses at our November 21st session:

Extra Class – Andrew D. Littlejohn, W5ROX Matthew J. Marbury, KE5CKR Robert A. Shirey, KF5DMS

General Class – Jerry G. Henry, KC5MUL Daniel J. Klepac, KF5DMQ Davis N. Schiwitz, KF5DMO

Technician Class (all new) – Jonathan P. Broussard Jacob J. Cook Akash B. Gandhi
David A. Hill Jonah R. Kisesi Sandeep K. Krishnan Christopher M. McCullough
Neil J. Peterson Grant A. Rossman Stacy L. Vernon Calon C. W. Walsh
Leslie A. Watkins

Our administering volunteer examiners were:

Hugh Brown, NT5O	Anthony Lanni, AE5JQ
Lloyd Goehring, Jr., N5TO	Jimmy Mercer, N5WDH
Jim Greenwood, AB5EKGary Popp, AE5JR	

Our next two amateur radio exam sessions will start at 2 PM on December 19th
and January 17th in room 106 of Fleck Hall on the campus of
St. Edward's University. The exam fee is \$14.

For additional information regarding our amateur radio examination sessions,
please contact Jim, AB5EK at (512) 327-6184 or by e-mail to
hamradioexams@hotmail.com or visit our web page at <http://texashams.org/w5yi-austin/>

Austin Amateur Radio Club, Inc., PO BOX 4739, AUSTIN TX 78765-4739, Web site: <http://www.austinhams.org>

President	Lee Cooper	W5LHC		president@austinhams.org
Vice President	Lori Schmidt	KM5MQ		vice-president@austinhams.org
Treasurer	Jay Hoffman	KA5OST	388-4404	treasurer@austinhams.org
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ARRL Travis Co. Emer. Coord.	Don Dudley	AC5YK		ac5yk@arrl.net
TC ARES PIO	Steven Polunsky	W5SMP		tcares-pio@gmail.net
90th Anniversary Chair	Alan Russell	KE5DTR	851-1806	ke5dtr@arrl.netlcra.org

Please contact a club officer, attend a meeting, mail us to join the organization, you can also join or renew online.

The Austin Amateur Radio Club, Inc. (AARC) has annual membership dues of \$20.00 per person or \$30.00 per family. AARC maintains the following repeaters:

FREQUENCY	AUTOPATCH	USE
146.780	Yes	General
146.880	Yes	General
146.940	No	Most popular, WX, Swapnet & Newline
224.800	No	
444.100	No	
146.480/+1.0	No	2m D-Star Repeater
1293.200/-20	No	23cm D-Star Repeater[W5KA A]
1248.200	No	23cm D-Star DD (data, simplex/reversible) [W5KA A]
146.480/+1.0	No	2m D-Star Repeater [W5KA C]

Persons using the repeaters are asked to join the club to help support these valuable resources. To use the autopatch, announce your call sign, press * and dial the phone number then release the PTT. When finished, press # to hang up the phone. Dial 911 (no * needed) for emergency services.

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Viewpoints expressed in the AARCOVER do not necessarily reflect those of any club, or of its members, directors, or officers.

Material quoted from the ARRL Letter is supplied by the American Radio Relay League, Inc.

Members and other readers are encouraged to submit material for publication. Call Mitch London, if mailed submissions are required. Electronic files are encouraged! Submissions may be edited for publication. **Deadline is the 20th of the month.**

Material may be used in a later issue. Unless otherwise noted, permission is granted to reprint AARCOVER articles, provided you credit the author and the AARCOVER.

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“XYL” is printed with permission by Carolyn Canfield, KE5DTS. Cartoons may not be reprinted without written permission.

For Changes in your ADDRESS, PHONE NUMBER or CALL SIGN:

See Jay Hoffman, KA5OST (512) 388-4404 ka5ost@arrl.net

Jay handles all changes for membership information .

Over the WWWaves.

A Collection of Various Websites sent in your friendly neighborhood hams...

From the “Why Didn’t I Think of That” Department

http://blog.makezine.com/archive/2009/11/transparent_solderless_breadboard.html

I ran onto this today, which seems useful for those just getting their toes wet in electronics:

http://blog.makezine.com/archive/2009/11/mint_tin_electronics_dev_kit_packs.html

Maybe folks will follow the link, gather similar parts, and embark on a fun learning experience.

Or, for the older, more seasoned crowd, perhaps THIS one will fill the bill for a learning experience:

http://blog.makezine.com/archive/2009/11/vacuum_tube_prototyping_board.html

Rick Herndon, K5FNI

Club Dues Due for 2010

I am now accepting payments for 2010 dues.

Please send your payment of \$20 for individuals or \$30 for family (hams in same household)

Be sure include any change of contact/license info.

You can pay online here -

<http://www.austinhams.org/join.htm>

Print form to mail can be found at

<http://www.austinhams.org/Docs/>

AARC ARRL Membership Form_202008.pdf

Or print and cut the form on the right and mail to...

The Austin Amateur Radio Club
PO Box 4739
Austin, TX
78765-4739

Thanks and happy hamming!

Jay Hoffman KA5OST,
Club Treasurer

The Austin Amateur Radio Club, Inc.

Membership Form for the year ending December 31, 20__

Application for: (check applicable box and enclose payment)

AARC	<input type="checkbox"/> Individual	\$20	_____
	<input type="checkbox"/> Family (all with same mailing address)	\$30	_____
	<input type="checkbox"/> Student rate (thru 12 th grade, no mail)	\$ 5	_____
ARRL	<input type="checkbox"/> Individual ARRL (new or renewal)	\$39	_____
	<input type="checkbox"/> Senior ARRL (new or renewal)	\$36	_____
	<input type="checkbox"/> Family member ARRL(at same address) - \$8ea x _____ =		_____
	<input type="checkbox"/> First time ARRL discount	-\$15	_____
	<input type="checkbox"/> ARRL renewal with AARC Membership -\$ 2		_____
	Total Enclosed		_____

Mail this form with payment to:

AARC - P O Box 4739 - Austin, TX 78765-4739

Check One: New member Renew membership
 Information change

ARRL member **Y N** License class **E A G T+ T N** Year first licensed _____

Call sign _____ First Name _____ Last Name _____

Mail Address _____

City/St/Zip _____

Hm Ph _____ Cel Ph _____ Wk Ph _____

Pager # _____ e-mail _____

Please list additional family members here and check the family member box above.

2nd Call _____ Name _____ ARRL mem **Y N**

3rd Call _____ Name _____ ARRL mem **Y N**

4th Call _____ Name _____ ARRL mem **Y N**

I/WE have interest in the following:

<input type="checkbox"/> Monthly meetings	<input type="checkbox"/> Field Day	<input type="checkbox"/> Working Events	<input type="checkbox"/> Transmitter Hunts
<input type="checkbox"/> Talking on 2 mtrs	<input type="checkbox"/> DXing	<input type="checkbox"/> Newsletter	<input type="checkbox"/> Holding Office
<input type="checkbox"/> Presenting programs	<input type="checkbox"/> CW	<input type="checkbox"/> Net Control	<input type="checkbox"/> Emergency Comm's
<input type="checkbox"/> Holding ARRL office	<input type="checkbox"/> Education	<input type="checkbox"/> Public Awareness	<input type="checkbox"/> Working w/Youth
<input type="checkbox"/> Others _____			

----- (for office use only) -----

Rcvd ___/___/___ Amt \$ _____ Ck ___ Cash ___ Dep ___ Post ___

JMH 02/01/2008

Ham Stats

Searching for material for a young would be ham, I found a link to other ham call databases than the familiar QRZ.com. From this new database, which was related to the "ham radio for kids" search, I found listings of 2731 hams with "AUSTIN TX" in their adr. Another fun search for a rainy day is the finding of ham calls vs. a Google map of your neighborhood. You will be surprised to find the closet hams possibly living down your street.

However, this listing I found today, can be narrowed in search by various parameters, and I noted that I was getting a wide open search that included canceled and expired licensees. A number were Silent Keys, whose licenses still had time to run, and FCC had not received an obituary. Restricting the search to "active" Austin hams, (as far as the FCC knows), there are 1982 hams with an Austin TX address.

That means there are 749 hams who have left the fold, or have changed their calls. A number of those changed call names were obvious among our active club members. The span of this database goes back to long passed hams perhaps earlier than year 2000, as a result of the 10 year license span, and the grace period for expirations.

It was interesting to see long ago active names who have changed calls, or are no longer in Austin. It made me think we should look for our lost touch ham friends who are not club members and seek to draw them back among us. Surely we can do better than having 10 per cent of Austin hams as club members!

Let's each try to contact someone on the database who is no longer active and see if we can rekindle that spark that lead them to ham radio 12 years or more ago.

-Stuart Rohre, K5KVH

90 Years Ago!

What was on air in the 1900's???

1914 - University of Wisconsin Electrical engineering professor Edward Bennet sets up a personal wireless transmitter set on campus and applies to the Commerce Dept. for a license; he is assigned the call letters 9XM.

1916 - On Dec. 4th station 9XM carries the first regular "broadcast" of Wisconsin state weather forecast by Morse Code from their science hall.

1918 - 9XM moves from Science Hall to Sterling Hall. Experimental voice transmissions are made with the Army.

1919 - On Feb 17th, the first documented clear transmission of human speech occurs on 9XM.

For more information about early radio, visit...
http://www.wpr.org/hd/hd_innovation.cfm



Christmas 1921. Notice the little boy with his radio and keyer!

Photo courtesy of Shorpy.com

Well Hooray, But What About Radio in Texas??

Broadcasting emerged in Texas on the campuses of the University of Texas and Texas A&M in College Station. In 1911 J. B. Dickinson, manager of the Texas Fiscal Agency at San Antonio, constructed wireless facilities at both schools to teach electrical engineering students about radio transmissions. As part of his experiments in high-frequency radio, University of Texas physics professor S. Leroy Brown built radio equipment and began broadcasting weather and crop reports from a physics laboratory on the UT campus in 1915. During World War I, using the call letters KUT, the university's Division of Extension operated Brown's equipment to broadcast reports from the United States Marketing Bureau and Department of Agriculture. By March 1922 the station had combined with a second campus station (call letters 5XY) and with a 500-watt power rating was one of the best-equipped and most powerful stations in the nation. The usual broadcasts were from 8 to 10 P.M. on three nights a week; programming consisted of music, lectures, and agriculture and marketing reports. In addition, football games were broadcast in season and a church service was aired on Sunday.

For more info visit <http://www.tshaonline.org/handbook/online/articles/RR/abr1.html>



December 31, 1921. "Miss Texanna Loomis." Mary Texanna Loomis, founder and proprietor of the Loomis Radio School in Washington,

What Else Happened in 1919?

- Jan 18 - Bentley Motors is founded.
- Jan 25 - The League of Nations is founded
- Feb 1 - The 1st Miss America is crowned
- Feb 26 - Congress declared most of the Grand Canyon a US National Park
- Mar 15 - The American Legion forms in Paris
- Apr 19 - Leslie Irvin makes the first parachute jump and free fall.
- May 29 - Observation of shifted star positions during a **solar eclipse** confirm **Albert Einstein's theory of relativity.**
- Jun 28** The **Treaty of Versailles** is signed, ending **World War I** with Germany.
- Jul 6** - The British **dirigible R-34** lands in New York, completing the first crossing of the **Atlantic** by an airship.
- Aug 19 - **Afghanistan** gains independence from the **United Kingdom.**
- Sept 11 - **US Marines** invade **Honduras.**
- Oct 2 - **US President Woodrow Wilson** suffers a massive stroke, leaving him partially **paralyzed.**

Austin Radio Club's Notification of Affiliation

(Reprinted with permission from ARRL)

QST January 1920 Pg 13-14

With The Affiliated Clubs

The subject of a closer co-operation between the various local radio clubs and the National Organization is becoming of increasing importance. Clubs, broadly speaking, are possible only in the centers, and as there is where the work needs to be done, the system rounds out nicely.

The problem of QRM control in the various centers is becoming most formidable. Amateurs in smaller places can have no adequate conception of the extreme difficulty of any distance operating around the larger cities. There is only one way in which this present intolerable state of affairs can be remedied so that relay traffic can be handled thru such centers, and that is by organization and constant cooperation. Local clubs in charge of local situations seem the most feasible solution, and the League is vitally interested in the success of such undertakings.

We invite all radio clubs to give consideration to the matter of affiliation with the A.A.R.L. The subject was treated at length on pages 6 and 7 of the August QST, to which attention is asked. The League Secretary will be glad to hear from the local Secretaries on this topic.

The following clubs have now become affiliated societies of the A.A.R.L..

- New England Amateur Wireless Assn., Boston
- Radio Traffic Assn., Brooklyn
- Austin Radio Club, Austin Texas
- Council Bluffs Y.M.C.A. Radio Club, Council Bluffs, Ia..
- Northern Indiana Radio Assn. Elkhart, Indiana
- Ravenswood Radio Assn. Chicago
- Milwaukee Amateurs' Radio Club, Milwaukee
- Dallas Radio Club, Dallas Texas
- Houston Radio Club, Houston Texas
- New Mexico State College Radio Club, State College, N.M.

Oct 28 - **Prohibition** begins: The **U.S. Congress** passes the **Volstead Act** over President **Woodrow Wilson's** veto.

Nov 30 - Health officials declare that the global Spanish Flu pandemic has ended.

Dec 5 - Austin Radio Club is affiliated with ARRL.

Non Specific Occurrences in 1919

- IBC Root Beer is first made
- Radio Corporation of America is formed
- Actor Jack Palance was born
- The Pogo Stick is introduced
- International Astronomical Union Founded in France
- Sir Edmond Hillary born
- The Green Bay Packers are formed

Club Minutes

Nov 3 2009,

Meeting called to order 7:00PM by Pres. Lee Cooper W5LHC. ~45 in attendance

Visitors: Chris KF5DMN (soon to be a vanity call) George Tulamantez (nocall)

New Members: Craig KF5DKX Bob KF5DMS & XYL Diane Tom KF5DMP

New Calls: Sallie AE5OM (Deroy AA5R's XYL)

Minutes approved as printed in Oct AARCover

Reports:

Pres:

Dec 1 AARC Christmas Party & 90th Anniversary 7:30-9:30 Cannoli Joe's

Dec 5 AARC 90th Anniversary Special Event at Burger Center 11AM to ?

Dec 6 Decker Lake Challenge

Skywarn Recognition Day

Fredericksburg Special Event 4-7 N5P

VP (Lori KM5MQ):

Thanks for all the support from you all for 2009!

Secy:

Treas: RX'd raffle form clearly labeled "Radio Round Up 2007" and post dated Oct 2009. The check will be returned.

Editor: AustinHams Yahoo Group has its 200th member! Need articles, Projects, etc to publish in AARCover

Tech Committee: New A/C unit going in 444.1/146.88 site at JJ Pickle Center.

Carpentry & Telcom lines moved

Gallery of pix on website

ARES: ARCHES Hospital Exercise SET Nov 3 (Tue) Contact Joe N5HPC@arrl.net

Other:

Dallas KD4HNX needs volunteers for the UT Project 2010, a neighborhood cleanup activity in Feb 2010.

Old Business:

AARC Officers for 2010, as voted by the membership:

Pres- Paul Gilbert KE5ZW

VP- Mike Brumley KC8VSE

Secretary- Alan Russell KE5DTR

Treasurer- Jay Hoffman KA5OST

It is hereby noted that the AARC President and Treasurer are authorized to sign on AARC bank account.

New Business:

Ham(s) of Month: All AARC Members, as members of 90 year-old club!

Announcements:

Dec 1 AARC Christmas Party & 90th Anniversary 7:30-9:30 Cannoli Joe's

Dec 5 AARC 90th Anniversary Special Event at Burger Center 11AM to ?

Dec 6 Decker Lake Challenge

Skywarn Recognition Day

Fredericksburg Special Event 4-7 N5P

Meeting adjourned 7:50PM, followed by an HF Beacon Presentation by Lew W5IFQ.

Submitted by Jeff N5MNW

Are you tired of boring old canned cranberry sauce that come out looking like a reddish log? Do people run away in fear of store-bought "homemade like grandma used to make" cranberries? Have no fear! Here is a little holiday treat from me to you!

Cranberry Cherry Relish

Serves 12

- 1 Pound Fresh Cranberries
- ½ Cup Cranberry Juice
- 2 Cup Sugar
- Zest of 1 Orange (grated)
- ½ Cup Fresh Orange Juice
- 1 Cup Dried Cherries



Pick through the cranberries throwing out the bad ones, rinse the remainder, then drain well. Combine the cranberries, sugar, orange juice, cranberry juice and orange zest in a pan. Place over medium heat; boil slowly until cranberries pop open; about 10 minutes.

Skim the foam off the surface with a metal spoon, stir in the cherries and let cool to room temp. Cover and refrigerate. (It can last up to one month, provided it doesn't just get eaten right away)

Happy Holidays! Mitch London, KD5HCV

Zilker Trail of Lights Info

The decision was finally made, and the first committee meeting held yesterday. There will be a "Festival of Lights" this year. We all know it as the Trail of Lights. There are a lot of changes to the overall structure, but nothing that will make our involvement much different. It's condensed, only about a half mile rather than a total mile long. It winds around more, and goes down and up hills. There is no one main entrance, the trail can be accessed from several directions. There will not be an admission charge as has been talked about. The parking for the general public is only \$10.00 not 15 as in the past.

A number of things are still being worked out. The electricity isn't as available, so generators will be used throughout.

The main stage will be the Zilker Hillside Theatre (much better and more visible to the audience). The 'headquarters' area will be close to and on the east side of the big tree. The command post will also be located there. The shuttle service isn't arranged yet, and things will be different there as well. Our biggest hit is the time of arrival. The trail will be opening an hour earlier - at 18:00 not 19:00 as in the past. We need to have our volunteers there at 16:30 The trail will be open 4 hours not just 3. For us to get to our parking area, we have to be there before they close the road at 17:00, or wait in the 'parking entrance' line, then weave through the park (and people) to the east end parking lot, and may not be able to do that - T.B.D. (We just cannot get there late)

Crossword Solution

V	S	W	R		M	O	X	O	N		R	S	I	X
T	H	I	S		I	N	E	P	T		I	C	O	M
V	O	L	T		N	I	N	E	X		C	O	N	T
M	O	D	U	L	A	T	O	R		P	O	W	E	R
			V	O	M		N	A	S	A				
A	D	C		G	I	G			P	R	E	A	M	P
M	U	L	T	I		Y	A	G	I		A	R	I	A
S	P	E	E	C	H	P	R	O	C	E	S	S	O	R
A	L	A	R		I	S	M	S		C	T	O	N	E
T	E	R	M	A	N			H	R	O		N	E	D
				P	T	W	O		E	L	E			
K	E	Y	E	R		A	M	P	L	I	F	I	E	R
I	C	E	D		A	D	O	R	E		G	R	A	Y
T	H	A	I		T	E	N	O	N		H	A	R	A
S	O	R	T		E	R	E	C	T		I	N	N	S

With the 'fallout' we have experienced in the past with only 3 hours standing in the cold, it's no telling what we might expect this year. At least it is not next to the lake which might help a little. There will be fewer nights - December 13th through the 21st. There is a Fun Run on Saturday December the 12th which is similar as last year, but a different route (not through 'the garden'. A lot more details will follow after Monday's REACT meeting. Anyone/everyone is invited to attend the REACT meeting at Jim's Restaurant (183 at Burnet Rd) Monday 19:15 way back in the far corner of the restaurant.

MORE TO COME.....Roger

Ham Radio Crossword

By Chris Codella, W2PA

- Across**
1. Ant. meas.
 5. Cousin of 38-across
 10. Caucasus region prefix
 14. Part of DE, on phone
 15. Lid like
 16. PW1 maker
 17. Part of 23 across
 18. Eastern zone-36 prefix
 19. NA or SA, e.g.
 20. Encoder, in a way
 22. Last stage, with 62 across
 23. Measuring dev.
 24. W5LFL's employer, once
 26. SDR part
 29. Band booking
 31. RX starter
 36. Prefix with -band
 38. Parasitic array
 41. Part of a score, maybe
 42. Political pundit?
 45. Apple spray
 46. Theories
 47. Lisbon prefix
 48. Seminal radio textbook author
 50. Equipment seller
 52. Homer's neighbor
 53. Eastern zone-28 prefix
 56. Dir., for one
 58. Dit dah doer
 62. See 22 across
 67. Tea type
 68. Dig, so to speak
 69. Eight in some circles
 70. HS denizen
 71. Part of some joints
 72. Dayton digs
 73. QSL bureau process
 74. Put up, as a crank-up, say
 75. Lodges

- Down**
1. DVM predecessor
 2. "QSY!"
 3. "___ Thing"
 4. Q followers
 5. JD1 name
 6. "Get ___!"
 7. It's a gas
 8. Probably contains a 41 across
 9. W5 sect.
 10. KP4 name
 11. Harbor vessel
 12. Turin prefix
 13. Apache or Cheyenne, e.g.
 21. Gates' job
 22. Hole goal
 25. Span's partner

1	2	3	4		5	6	7	8	9		10	11	12	13
14					15						16			
17					18						19			
20				21						22				
			23			24		25						
26	27	28		29		30		31		32	33	34	35	
36			37			38	39	40		41				
42					43					44				
45					46					47				
48				49				50	51			52		
				53		54	55		56		57			
58	59	60	61			62		63				64	65	66
67					68						69			
70					71						72			
73					74						75			

26. Amateur 24 across partner
27. Having two parts
28. RIT button
30. Swindles
32. 90 degrees
33. Illegal lighting?
34. Belfast prefix
35. Cut down
37. School session
39. Ready for firing
40. "Geel!"
43. Kink companion
44. Gut bug
49. MI, MO and MT QP mo.
51. Give in
54. Water walker
55. Bratislava prefix
57. CD followers
58. SB-401, 301, 201 and 101, once
59. EME artifact
60. Y2K part
61. Menu option
63. CPU part, abbr.
64. EP place
65. Take home
66. SM-land rugs
68. Took the cake, say

AARC Meeting Info.

Waterloo Icehouse
8600 Burnet Rd. South of 183

Officers Meeting 6 pm
December 15th

Special Holiday Party 7:30pm

December 1st - Annual Christmas Party
See Page 1 for details!

2008 Upcoming Amateur Exams

ARRL VEC-December 5th & January 9th 9a.m. at Bethany United Methodist Church. Contact Joe Makeever, W5HS (345-0800) or Joe Thiel, N5SMN (832-0450) for info. \$15 fee.

W5YI VEC- December 19th & January 17th 2p.m. in room 106, Fleck Hall, St. Edwards University. Contact Jim Greenwood, AB5EK arrl.net, (327-6184)
<http://texasparadise.com/w5yi-austin> for more info.

2009 Calendar of Events

Dec 1 AARC Christmas Party Cannoli Joe's All-you-can-eat Italian Buffet. 7:30 pm. See Page 1!

Dec 5 AARC Special Event station

Tony Burger Center. Starting around 10am till whenever! Enjoy hot dogs and burgers, games and join in our special event station!

Dec 6 Decker Challenge

Footrace around Decker Lake. KD5MFW's Moby Dick pneumatics will make a re-appearance! jim@k5ktf.com

Dec.	Jan.	Austin Meetings/Happenings	
1**	5	AARC Meeting Waterloo Ice House*	7:00 p.m.
12	9	Austin QRP, Alvin's Sandwich Shop	11:00 a.m.
22	26	ARES Training -CTECC	6:30 p.m.
15	19	HSMM/Packet SIG at Red Cross	7:00 p.m.
28	25	ATV Club Mtg. Mangia Pizza	6:30 p.m.
19	16	QCWA IHOP 183 Near Duval	1:00 p.m.
28	23	Travis Co. REACT Jim's 183&Burnet	7:15 p.m.
22	26	Travis County A.R.E.S., ARL Aud.	7:00 p.m.
24	28	CERT Meeting CTECC	6:30 p.m.

**AARC Business Meeting is at Waterloo Ice House 8600 Burnet
Come early and grab dinner before the meeting.*

*** Radio Club Party See Page 1*



Return Service Requested

December 2009

Austin, TX 78765-4739

PO Box 4739

Austin Amateur Radio Club

AARCOVER