



AARC OVER

Keeping Austin Wireless for Over 90 Years!

Bulletin of Austin Amateur Radio Clubs

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The Texas QSO Party 2009

By Scott McMullen, W5ESE

The Texas QSO Party for 2009 will be held on September 26-27, 1400-0200Z (9am-9pm) Saturday and 1400-2000Z (9am-3pm)

Sunday. The ARRL Contest Branch declared 2009 to be the 'Year of the State QSO Party', which means the level of activity in this year's Texas QSO Party may set records.

Some stations participating in the Texas QSO Party will be operating mobile, activating as many different Texas counties as they can, and creating a new "pile-up" each time they cross a county line. Others operate fixed portable "Field Day" style from a state park or vacation home in a rare county. It's also a lot of fun participating from the home shack, or with a group at a friend's station in a multi-operator entry.

Stations within Texas contact stations anywhere, and stations outside Texas contact as many stations in Texas as they can. Texas stations send a signal report and their Texas county. Stations outside Texas send a signal report and their state, Canadian province, or country. Phone contacts count 2 points; CW and digital contacts 3 points. For Texas stations, the number of contact points is multiplied by the sum of different Texas counties, states, Canadian provinces, and countries worked.

Suggested frequencies for phone contacts are 25 KHz above the bottom of the General class segments (except for 10m, where the suggested frequencies are 28.3 – 28.5 MHz), for CW contacts, 40-60 KHz above the bottom of the band, and for VHF, 50.200 and 144.200 MHz.

Email Cabrillo format logs to no5w@consolidated.net, or send paper logs to Texas QSO Party Committee, 6 Sweetdream Place, The Woodlands, TX 77381-6009.

If you're not involved with one of the big Contest/DX Clubs, you can associate your results with the Austin Amateur Radio Club for the club competition.

The rules in detail are on the Texas QSO Party web site at <http://txqp.net>.



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

A special THANK-YOU to all of the ARRL Volunteer Examiners that took the time away from the Austin Summerfest events that they would have liked to attend in order to work this VE Session.

The following are the results of the ARRL VE Test Session held on August 8th, 2009 at AUSTIN SUMMERFEST in the Austin Airport Marriott South hotel:

Technician Class Licenses Processed

Alicia N. Dixon, KF5CPR
Jason C. Jordan, KF5CPW
Philip M. Mireles, KF5CPT

Rachel C. Dixon, KF5CPQ
Tomas Macias III, KF5CPV
Paul S. Thompson, KF5CPY

Tariq Hasnie, KF5CPU
Paul M. Mireles, KF5CPS
Robert W. Tuckfield, KF5CPX

General Class License Processed

James R. Barger, KF5CPZ
Michael S. Carter, KF5CQB
Johnie L. Perry, W5ZIN
Paul W. Schroeder, KF5CQA

Gillis D. Bartles, WB5CVC
Douglas M. Dawson, KD5ZBS
Steven M. Polunsky, KE5GDR
John A. Welsh, KF5BTT

Ergun A. Bilir, KF5CCW
Robert C. Dixon, KD5TFI
Robert J. Powell, KF5BAP
Robert M. White, KE5IJW

Extra Class Licenses Processed

James R. Satterwhite Jr., K4HJU

Ricky D. Shute, KE5JKV

Examiners Participating in this Test Session

Russ Cook, KK5E
Jim Lindley, K5EWS
George Shamblin, WA5CSH

Tony Davee, KM5JH
Robert Raynor, W6LUY
Jack Stankus, W2JS

Larry Gunter, WB5BEK
Larry Runyon, W5SBE
Daryl Stout, AE5WX

Next ARRL VE Test Sessions

September 5th - Bethany United Methodist Church, Disciple Bldg. Room 213
October 10th - Bethany United Methodist Church, Disciple Bldg. Room 213

NOTE:All ARRL VE test sessions are being held at the Bethany United Methodist Church, 10010 Anderson Mill Road, Austin, TX78750. There is a set of directions on how to get to the exam room and a map inset in PDF at <http://www.austinhams.org> for your convenience.

TNX ES 73 DE W5HS

Joe

8-22-2009

The South Austin W5YI VE team heartily congratulates all of the following people who earned new or upgraded amateur radio licenses at our August 22nd session:

Extra Class – (none)

General Class – Christopher H. Levenson, KE5NWJ

Technician Class (all new) – Lloyd R. Burson Hugh C. Morrison

Dan L. Vernon Kyle D. Wesson

Our administering volunteer examiners were:

Hugh Brown, NT5O

Jim Greenwood, AB5EK

Lloyd Goehring, Jr., N5TO

Jimmy Mercer, N5WDH

Gary Popp, AE5JR

Our next two amateur radio exam sessions will start at 2 PM on September 19th
and October 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>

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Vice President	Lori Schmidt	KM5MQ		vice-president@austinhams.org
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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 & Newslite
224.800	No	
444.100	No	
146.480/+1.0	No	2m D-Star Repeater (Cedar Park Area)

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.

AARCOVER Information

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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.**

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

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

Over the WWWaves.

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

Ahem. I think I would also value what hair I have left and NOT be near the fellow transmitting with a 2kW(+) backpack radio!!!!!!!!!!!!!! http://www.youtube.com/watch?v=Nxp_Nsa54_Q

How to make a hold down device for soldering surface mount items.

http://blog.makezine.com/archive/2009/07/how-to_pointer_weight_for_smd_solde.html
73, Rick K5FNI

For those who can't get enough news. This is a really neat. You can click on world map and see front page of any reporting newspaper. One of the most interesting sites I have seen. Double click and the page gets larger... Type this into your browser:

<http://www.newseum.org/todaysfrontpages/flash/>

It will only show the front page but each has a link to the papers website.

Forwarded By Lee Cooper, W5LHC

Club Minutes

Meeting Notes for Tuesday August 4th 2009

Meeting was called to order at 7:05 pm by President Lee Cooper.

Lee played a music clip called CQ Boogie. Jeff stood up and asked Lori if she would dance with him. They both danced and looked like they had a great time.

At the meeting we had 32 attending.

We would like to Welcome the following Visitors:

Hugh Morrison No call, But he has the book and is working on his ticket.

Rob Amato KB1LQI

Bini Rajan KF5CFY.. Works for Lew Thompson and became interested in Airmail.

Bradley KE5IRD

Tony Hagale KF5BAR

Remember that Summerfest will be Aug 7,8th at the Austin Airport Marriott South,
4415 South IH-35.

Dennis Dura will be the keynote at ARRL on Saturday, Check schedule for time and place.

IEEE Symposium ARRL Booth needs volunteers, If interested contact Lee Cooper. he will give you all the information.

The Editor asked that we keep sending articles. So keep them coming.

The Bylaws Have been updated, Please go to Austinhams.org to read the old and the updated versions.

Please use the temporary repeater 146.78, 107.2 tone, This has no auto patch and is in S. Austin.

We are sad to report that W5OE Bob Templin is a (SK) He was the President of the ATV Club here in Austin.

There is to be a Hospital Drill Tuesday November 3, Not sure of the time. All Comms to be lost.

HOM is Glenn Currie KD5MFW for all the work he does on HSMM and many other things he does for the Club. Great work Glenn!!

September meeting is to be Skip Cameron on DX Expedition

Meeting adjourned at 8pm.

Lee gave a presentation on ISS Contact by the Scouts and LBJ High school.

ARLS006 SuitSat-2 Now Called ARISSat-1

To all radio amateurs

SB SPACE ARL ARLS006
ARLS006 SuitSat-2 Now Called ARISSat-1

The SuitSat-2 project -- an Amateur Radio satellite housed in a Russian spacesuit -- now has a new name to go with a new shape: ARISSat-1. On Wednesday, August 19, Amateur Radio on the International Space Station (ARISS) Chairman Gaston Bertels, ON4WF, announced the new name for the satellite and project. According to ARRL ARISS Program Manager Rosalie White, K1STO, the project team is moving ahead, using the same hardware that was to fly in the Russian Orlan suit. Russia will continue to call the satellite Radioskaf-2, so ARISS is designating it ARISSat-1/Radioskaf-2.

Due to storage considerations, the two surplus Orlan space suits in storage on the ISS were discarded via the Progress Cargo Vessel earlier this year. One of these suits was to be used to house the electronics for the upcoming SuitSat-2 mission; the batteries were to be mounted inside the suit, solar panels attached to the extremities with the electronics, video cameras and antenna mounted on the helmet by the ISS crew prior to deployment during an extra-vehicular activity (EVA), commonly called a spacewalk. The removal of the Orlan space suits from ISS removes the "Suit" component of the deployment and the new name reflects the change in configuration.



White told the ARRL that the ARISSat-1/Radioskaf-2 team, through Gould Smith, WA4SXM, made the final decision for the satellite to be square, with solar panels on all 6 sides. "The team is mounting a 70 cm quarter-wave whip on the bottom and a 2 meter quarter wave whip on the top," she said. "All of the hardware and software goes inside the square, and cameras go on the outside." The experiment being developed by Russia's Kursk State University is expected to be integrated into the electronics once the US-produced equipment is delivered to Russia this fall.

AMSAT and ARISS pointed out that the importance of this project to both organizations is not diminished. "ARISS sees this mission as an important component of education outreach, as it will provide an opportunity for students around the world to listen for recorded greetings from space, as well as learn about tracking spacecraft in orbit," White said.

The ARISSat-1/Radioskaf-2 transmitter and receiver will be based on a Software Defined Transponder (SDX) system. It will consist of two major components: The RF Module and the Digital Signal Processor (DSP) module. In the RF module, there will be an upconverter that receives a signal from the DSP module as a 10.7 MHz intermediate frequency RF signal with a 50 kHz bandwidth, and up converts it to 145 MHz signal of 50 kHz bandwidth centered on 145.9375 MHz. The receiver is a downconverter with a 50 kHz bandwidth centered on 437.6125 MHz. The output of the receiver is a 10.7 MHz RF signal with a bandwidth of 50 kHz. The DSP processor receives the 10.7 MHz signal from the receiver downconverter and processes it and outputs a 10.7 MHz signal to the transmitter upconverter. The DSP can also inject signals such as the CW ID, telemetry, audio and packet signals as determined by the software on the DSP.

AMSAT calls the deployment of the SDX "a critical milestone" for the organization. "This upcoming flight provides an opportunity to flight test the next generation of spacecraft hardware," Bertels said. "Lessons learned from this deployment will be applied to future flight opportunities as AMSAT moves towards a 'modularization approach' to spacecraft development with the expectation the future spacecraft missions will utilize a derivative of SDX and the associated hardware."

The ARISS International Team has been informed that there is still space available for shipment of the ARISat-1/Radioskaf-2 electronics on the projected cargo flight to the ISS in January 2010, and the EVA scheduled for April 2010 still has a SuitSat-2 deployment on the schedule. Plans to launch a second SuitSat-spacesuit-turned-satellite were the subject of discussions and presentations at the November 2006 AMSAT Space Symposium and ARISS International Delegates' meeting. Despite a weaker-than-anticipated 2 meter signal, SuitSat-1 -- a surplus Russian Orlan spacesuit fitted with an Amateur Radio transmitter -- sparked the imagination of students and the general public and turned into a public relations bonanza for Amateur Radio. ARISS hoped to capitalize on the concept by building an even better SuitSat that will include ham radio transponders.

The SuitSat.org Web site attracted nearly 10 million hits during the mission. Designated by AMSAT as AO-54, SuitSat-1 remained in operation for more than two weeks, easily outlasting initial predictions that it would transmit for about a week. SuitSat-1 re-entered and burned up in Earth's atmosphere in September 2006. ARISSat-1/Radioskaf-2 is expected to be live for at least six months. ■

Summerfest a Hit!

Austin Summerfest had a great turnout this year despite the brutal heat pounding down from above. There were lots of seminars, and lots of swap tables. Everything from solar panels to antennas and all kinds of radios both new and old. As usual there was standing room only at the Texas VHF Society annual meeting and the same was true for the ever popular weather seminar. Of course another popular place was the hospitality suite, which had cold drinks, snacks and a very special donut that I ordered and was no where near being able to eat it all, so it was divided up and shared amongst the people. There were also some great door prizes won, not by me, but they were won. Summerfest is always a great place to catch up to old friends and make some new ones, so if you missed this year, we hope to see you next year and every year after! 73!



Photo By: Ishmael Gonzalez, KB5AVB

Mitch London, KD5HCV making contact with a special order from

Ham Radio Crossword

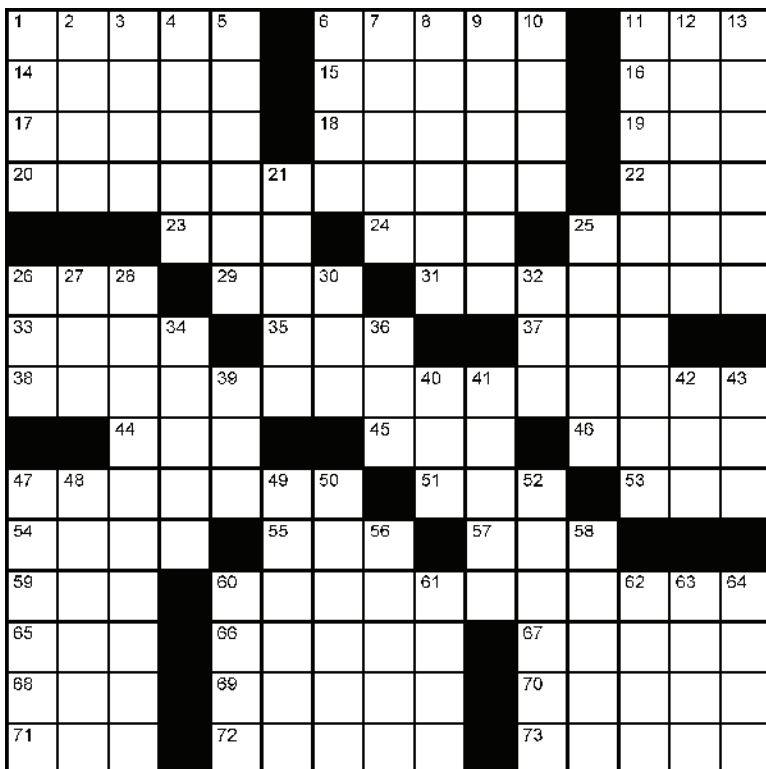
By Chris Codella, W2PA

Across

1. Remembered place in W5-land
6. Sprays
11. Small rigs
14. F3 compared with A1, say
15. HPM call sign, once
16. Deleted entity island, with Abu
17. A4 denizen
18. J6 name
19. 9/11 year
20. Frequent author in 60-across
22. F9 wine
23. An H follower
24. W1 to CN dir
25. I-land good
26. UTC predecessor
29. Thyristor type
31. News
33. Detect after the detector
35. Famous W4 suffix (SK)
37. Cyber attacker, with net
38. What 20 across' articles described
44. Alpha male suffix?
45. Former F coin
46. CW, to FCC
47. Adobe product
51. Dir. for HL from W2
53. W5 ARRL sect.
54. Sinister look
55. OSCAR, for one
57. Ham equipment dealer
59. Sometimes accompanies a QSL with an SAE
60. Frequent place for ham humor
65. Opposite of paleo-
66. Elmer, in a way
67. VOA part
68. Diamond or Comet mounting place
69. Equatorial prefix
70. 720 and 753, for example
71. Opposite of 65 across
72. Amplifier, slangily
73. Sloper orientation

Down

1. Roll call misser
2. Before mike
3. 4X month
4. The brainy bunch
5. Tennessee transceivers
6. XE sauce
7. Accustom (to)



8. Trig ratio
9. BV city
10. Shop partner, on a net, say
11. Takes place at Hara
12. It's everything, often
13. Collins sets
21. Scratches, as to a wire
25. Flora and fauna
26. JK predecessors
27. Storage, for short
28. What we did before wav, mp3, etc.
30. Ham bane
32. Ant. performance meas.
34. Yagi yawer
36. KB2GSD network
39. Weep
40. Skywave reflector
41. EME path
42. Suffix with persist
43. Driver's license datum
47. Maker of 11 across, for example
48. Some like it hot
49. Per se
50. Arm art
52. Interlaces
56. Iceland ID
58. Go bad
60. Locales
61. Loads from lodes
62. TI last name
63. Desktop feature
64. " ___ we forget"

AARC Meeting Info.

Waterloo Icehouse

8600 Burnet Rd. South of 183

Officers Meeting 6 pm

September 15th

Regular Business Meeting 7 pm

September 1st - Skip Cameron, W5GAI will be talking about DXpeditions. What are they??? Come to the meeting and find out!

Drop in Early and grab a bite to eat! 25 cent chicken wings a side of tots and water all for under \$5. wow!

2008 Upcoming Amateur Exams

ARRL VEC- September 5th October 10 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- September 19th and October 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

Sept 5 Willow Island On-The-Air TX061L in Lake Worth Tri-County Amateur Radio Club QRV as WC5C , www.wc5c.org

Oct 3 Temple Amateur Radio Club's HamEXPO Bell County Expo Center 301 West Loop 121 Talk-In: 146.820(-)123.0Hz Mike LeFan, WA5EQQ expo@tarc.org www.beltonhamexpo.org

Oct 9-10 Paris Texas Radio Group Red River Valley Fairgrounds Paris, TX Talk-In: 147.040+ (PL 100) Richard KI5DX@yahoo.com www.paristexasradio.com/hamfest

Oct 23-24 Texoma Hamarama Ardmore Convention Center 2401 North Rockford Ardmore, OK K5BUG@arrl.net

www.angelfire.com/tx5/TexomaHamarama

Sept.	Oct.	Austin Meetings/Happenings	
1	6	AARC Meeting Waterloo Ice House*	7:00 p.m.
12	10	Austin QRP, Alvin's Sandwich Shop	11:00 a.m.
22	27	ARES Training -CTECC	6:30 p.m.
15	20	HSMM/Packet SIG at Red Cross \$	7:00 p.m.
28	26	ATV Club Mtg. Mangia Pizza	6:30 p.m.
19	17	QCWA IHOP 183 Near Duval	1:00 p.m.
28	26	Travis Co. REACT Jim's 183&Burnet	7:15 p.m.
22	27	Travis County A.R.E.S., ARL Aud.	7:00 p.m.
23	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.
\$ Correction to this meeting has been made*

AARCOVER
Austin Amateur Radio Club
PO Box 4739
Austin, TX 78765-4739
September 2009
Return Service Requested