



AARC COVER

Keeping Austin Wireless
for Over 91 Years!

Bulletin of Austin Amateur Radio Clubs

ISSN 1067-0262

June 2012

Field Day—June 23—24

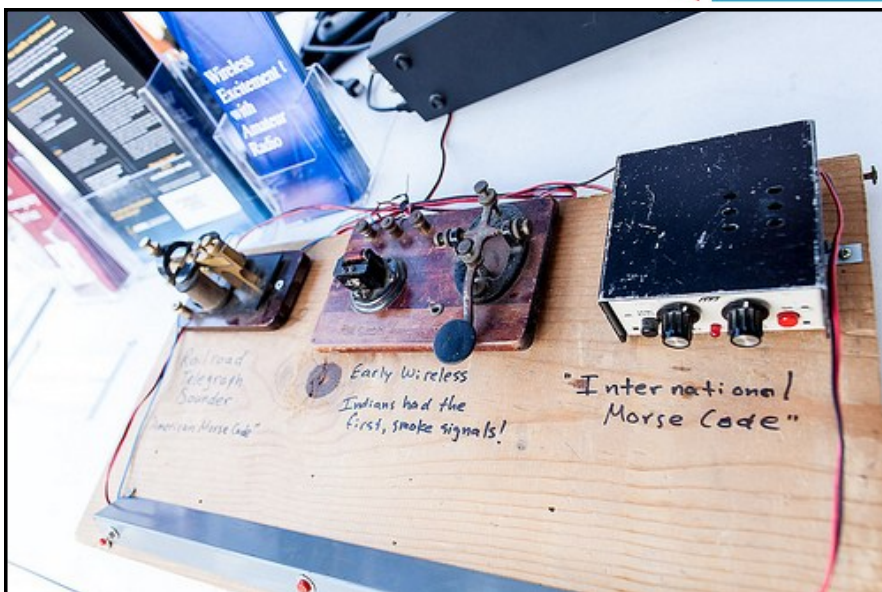
Issue 6-2012

AARC and the Austin Makers Fair

The Austin Amateur Radio Club participated in the Austin Mini Maker Faire this past month and we were met with hundreds of enthusiastic men women and children.

A huge thanks to those who participated in helping put on this demonstration: Jeff & Lori Schmidt, N5MNW and KM5MQ, Jorge Harada, KF5IED, Jim Kinter, K5KTF and Alan Russell, KE5DTR (for helping set up and tear down).

The club set up a variety of informational pamphlets and next to it, we had an HF radio listening to Morse code and phone on 20 meters. Next inline was the Morse code through the ages demo; which consisted of 4 different style keyers that people could try their hand at. Jeff brought an oscilloscope hooked up to a couple of



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	11:00 a.m.	Lunch, Pokey Joe's 183&Great Hills	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 May 5th at Bethany United Methodist Church:

Technician Class Licenses Processed

Jerry W. Davis KF5QCT Preston E. Doege KF5QCU Armando Hughes, Jr. KF5QEI

General Class Licenses Processed

David A. Chapin KF5QCV John S. Gerboc KF5PMT Devon K. Humphrey KF5MPV

Extra Class Licenses Processed

Harold W. Allen KF5OOK Robert W. Morgan WB5OTV Jeffrey A. Wallis WB4LGI

Examiners Participating in this Test Session

Craig Bean AC5KW Tony Davee KM5JH Howard Glueck K5ZUA
Curt Goodson W4QBU Larry Gunter WB5BEK Gene Hinkle K5PA
Joe Makeever W5HS John Spearman W5ZEF Carol Thiel N5TLY

Next ARRL VE Test Sessions

June 2nd - Bethany United Methodist Church, Disciple Bldg. Room 203/204
July 7th - Bethany United Methodist Church, Disciple Bldg. Room 203/204

TNX ES 73 DE W5HS
Joe

5-19-2012

The South Austin W5YI VE team heartily congratulates the following persons who earned their new amateur radio licenses at our May 19th session:

Extra Class –

Matthew B. Evans, -new- John J. Gerboc, KF5PMT Ollie B. Johnson, KA5HRF

General Class –

Reginald J. Ackerman, Jr., KF5OOH Lloyd T. Phillips, Jr., -new- Adrian E. Schmitz, -new-

Technician Class - (new)

Charles C. Bounds Troy H. Tyner

Our administering volunteer examiners were:

Craig Bean, AC5KW Jim Greenwood, AB5EK
Hugh Brown, NT5O Tony Lyon, KJ5XF
Gary Popp, AE5JR

Our next two sessions are set for June 16st and July 21st
in Fleck Hall room 118 on the campus of St. Edward's University.

All sessions are walk-in and 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

hamradioexams@hotmail.com or visit our web page at <http://texashams.org/w5yi-austin/>

President	Mitch London	KD5HCV	368-2566	president@austinhams.org
Vice President	Lori Schmidt	KM5MQ	632-6789	vice-president@austinhams.org
Treasurer	Jay Hoffman	KA5OST		treasurer@austinhams.org
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ARRL Travis Co. Emer. Coord.	Glen Reid	K5FX	263-5700	k5fx@arrl.net
TC ARES PIO	Steven Polunsky	W5SMP		tcares-pio@gmail.net

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	No	
146.880	Yes	General
146.940 107.2 PL Tone	No	Most popular, WX, Swapnet & Newslite
224.800	No	
444.100	No	
444.650 +5	No	70cm D-Star Repeater [W5KA]
146.480/+1.0	No	2m D-Star Repeater [W5KA C]
1293.200/-20	No	23cm D-Star Repeater[W5KA A]
1248.200	No	23cm D-Star DD (data, simplex/reversible) [W5KA A]

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.

“NOUJR and His Friends” is reprinted with permission by Greg Trook, Trook Enterprises. Cartoons may not be reprinted without written permission. For information: <http://incolor.inebraska.com/n0ujr>.

“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

ka5ost@arrl.net

Jay handles all changes for membership information .

Hams Needed for Comms

Two upcoming events need some hams to provide communications. June 7th through the 10th is the Republic of Texas Rally, an event that bring in hundreds if not thousands of motorcycles into Austin. Mike Sunderman, KC5NQL is looking for some hams to help out. If you are willing, contact him at kc5nql (at) yahoo.com.

The World Naked Bike Ride is returning to Austin and they need some hams to help guide riders along the 7 mile course. The event is June 9th and starts at 8:30 pm till about 10:30 pm or when ever the last rider is done. The course starts at Springdale and 5th streets, makes its way to the capitol and then returns to the starting point. 10-12 hams with mobile or HT's with gain antenna needed. Also if you have a vest with reflective tape that would be helpful as it will be dark shortly after the start of the race. If you have questions or wish to help, contact Mitch London, KD5HCV at president(at)austinhams.org.

microphones that people could talk into and see their voice pattern on the screen.

Following that there was a demo of how a magnet has two distinct poles and that those poles can be "seen" using a simple galvanometer.

Jim Kinter, K5KTF was the HSMM-MESH rep at the faire and he brought a webcam hooked up to a MESH node in a small cooler and was able to wander around the faire with it, and people at the booth could see his wanderings live on a laptop demonstrating one of the MESH's many uses.



During the event, Mitch London, KD5HCV brought out the handy tape measure antenna and an HT and tuned in passing satellites for people to listen to. One was transmitting data, and another was voice, although the latter could not be heard very well over the marching band that happened to start up in the middle of the pass, and that after the homemade jet turbine engine turned on at the beginning of the pass. All in all, great fun and information was passed out and we hope to see some new faces in the ham radio community.

(Photos By: Austin Fresh Photography)

Sounds From Space Website Looking for Additional Sounds

Forwarded By Pete Jordahl, K5GM

Matthias, DD1US, would like to draw your attention to a collection of audio recordings, the "Sounds From Space" collection on his web- site at <http://www.dd1us.de>. This features a collection which has also a section dedicated to recordings of amateur radio satellite signals. Please have a look at it. The idea is to give older radio amateurs the chance, to listen to signals of satellites which are already gone and the might have worked in the past, and to younger people interested in ham radio, to get them more excited in satellite communication. In spite of the fact that the collection now has close to 1000 re- cordings he is still missing recordings from some amateur radio sat- ellites. If anyone of you would be willing to contribute recordings to these satellite he would highly appreciate it. He has and always will give full credit to the source of the recordings. Please have a look in your older tapes and recordings!

Here is a list of the most wanted missing satellites:

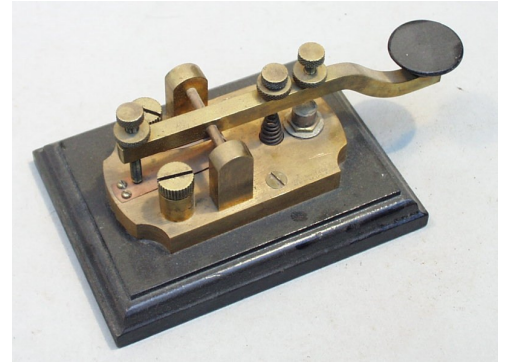
- | | | | |
|-----------------------|--------------------|-----------------|----------------|
| Amsat Oscar 8 | RS-1 | RS-2 | ISKRA-1 |
| RS-3 | RS-4 | RS-5 | RS-6 |
| RS-8 | ISKRA-3 | Fuji-OSCAR-12 | UOSAT OSCAR 15 |
| WEBER OSCAR 18 | UOSAT OSCAR 22 | POSAT OSCAR 28 | TMSAT OSCAR 31 |
| PANSAT OSCAR 34 | UOSAT OSCAR 36 | ASUSAT OSCAR 37 | WEBER OSCAR 39 |
| SAUDI OSCAR 42 | STARSHINE OSCAR 43 | | MYSAT OSCAR 46 |
| KAGAYAKI (SORUNSAT-1) | ANUSAT | BEVO-1 | WASEDA-SAT2 |
| StudSAT | | | |

[ANS thanks Matthias, DD1US and The Sounds From Space website for the above information]

W5YI—SK

The holder of one of the best-known US Amateur Radio call signs, Frederick (Fred) Maia, W5YI, died of cancer Wednesday, March 28. He was 76 and was a resident of Arlington, Texas.

Fred was a leading Amateur Radio journalist for nearly 35 years and a pioneer of the volunteer examining program adopted by the FCC in 1984.



Maia published "The W5YI Report," dubbed "America's Oldest Ham Radio Newsletter," from 1978 to 2003, and has been a CQ contributing editor since 1985. His regulatory affairs column, first titled "Ticket Talk," then "Washington Readout," offered news and perspective on FCC Regulations and ITU actions. His final column will appear in the May 2012 issue of CQ.

After the FCC adopted volunteer examining for all levels of Amateur Radio licensing in 1984, Fred became the first Volunteer Examiner Coordinator (VEC) appointed by the FCC. Fred subsequently founded The W5YI Group in 1986 to develop, publish and sell amateur and commercial radio license study materials. In the realm of FCC commercial radio licensing, Fred formed National Radio Examiners to provide examination services.

Maia served as President of the W5YI-VEC until his retirement in October of 2000 when he sold The W5YI Group study material products to Master Publishing, Inc. The retail operations were purchased by General Manager Larry Pollock, NB5X, newly appointed President of the W5YI-VEC and National Radio Examiners organizations. Maia continued writing "The W5YI Report" newsletter until July 2003.

A graduate of the US Air Force Radio Operators School, Fred was an avid CW operator. He was first licensed as a teenager as W1NTK in Brockton, Massachusetts, where he grew up. Maia was later licensed as W5UTT, and held DXCC CW awards and EU-PX-A CW. He was a member of QCWA and Life Member of the ARRL.

For several decades, Maia also served on the National Conference of Volunteer Examiner Coordinators (NCVEC) as a member of the Question Pool Committee that oversees the development and maintenance of the Amateur Radio license examination question pools.

ARRL Chief Executive Officer David Sumner, K1ZZ, commented: "Amateur Radio is healthier today because of the tireless efforts of Fred Maia. While Fred did not always see things quite the same way as the ARRL, in my experience he always had the best interests of Amateur Radio at heart. He was a major figure who will be sorely missed."

AARC Meeting Minutes: May 1, 2012

Meeting called to order: 7:02pm by President Mitch London, KD5HCV.

Meeting started with a welcome to all.

We had 46 in attendance, 14 visitors, and no new members. No upgrades were reported.

Minutes: April's minutes approved as written in AARCOVER.

Past Events: Belton (the club sold old equipment netting ~\$2K); Austin 10/20 (showed pictures); BPMS150 (also showed pictures).

Upcoming Events/Announcements: Austin Mini Maker Faire (5/12), club & HSMM group will participate (fun things planned); San Antonio Tour De Cure (5/19); Submarine USS Cavalla & Destroyer Escort USS Stewart Special Event Station (6/2) put on by the Brazos Valley ARC; Field Day 2012 (6/23&24), we will operate from inside Red Cross (more details at June meeting); for a limited time, there is a special DX station in Yemen that is coming in good, for now; ARES Statewide Drill (5/5) was discussed in detail; the bands were great during a recent trip to the Texas Star Party recapped one club member; Ham Radio Cruise (2/10-17/2013), rooms filling fast; we have requests for ham classes and a great new place to hold them, we now need someone to spearhead them; and more equipment was donated to the club just after our return from Belton. These items, other upcoming events, and scheduled presentations are listed in the AARC Swapnet newsletter, at www.austinhams.org, and on the Yahoo user group.

REPORTS

President: none.

Vice-President: none.

Treasurer: quick recap of money in/money out; membership up to 288, gain of 5.

Editor: remember, newsletter is online; send articles and/or pictures.

Tech Committee: Some East Texas D-Star users accused our D-Star of interfering with their simplex frequency. We investigated and found no fault with our equipment. It is believed they are using very high-gain antennas. Problem goes away anyhow once we move frequencies to our new officially assigned frequency. Report .94 repeater issues.

ARES: just more details on the ARES/MARS Statewide Drill on the 5th.

SIG/Other: HSMM-Mesh working on video setup for the Big Bend 50 Marathon showing the finish line back at Race HQ and on the internet.

Space Wx: Solar Cycle 24 still not as good as Solar Cycle 23. Solar Flux was up, but is declining. Solar X-Ray Flux is low. Geomagnetic Field is stable. Solar Wind and its density are low. Forecast is mainly quiet. 10M will not be open, except maybe evenings. Last month had some high Solar Wind speed and density events. The Ionosonde move is still in the works. Visit the Texas Army/MARS website and other solar weather websites for more info.

Old Business: none.

New Business: there was discussion about the club having a mission statement.

Ham of the Month: none – no nominations were received.

Door Prizes: Bob Jones (no call) & Judi Davis, KF5OHY, both won an Electric Road Hazard Light.

Meeting Adjourned: 8:11pm.

Presentation: "Making LEO Satellite Contacts with a Tape Measure & Luck!" by Mitch London, KD5HCV, & Alan Russell, KE5DTR.

Good Source for Ham Reading

By Rick Herndon, K5FNI

I've been a happy subscriber to Monitoring Times magazine for many years. It deals with many different subject areas in each issue and throughout the year. The April issue this year has a couple of good articles I thought I'd tell you about.

The first is a ham radio operator's 5 1/2 hour tour of a gigantic (2,715 acre!) Voice of America (VOA) transmitting facility in Greenville, NC. The ham is Thomas Witherspoon, K4SWL (nice call sign). He gets the royal tour, and he tells all about it with his photos and details of the construction, tuning, and safety precautions necessary in order to deal with a facility that is capable of emitting up to 1/2 GW of RF energy! The antenna farm has 20 rhombics, 19 curtain arrays, 2 log periodics and 2 dipoles. This is an article describing an awesome facility. I recommend it: "VOA's Edward R. Murrow Transmitting Station".

The second deals with a subject of intense interest to almost every ham operator...but only when they directly need to solve the problem. The article is "MT's Guide to Finding and Fixing RFI" (where MT is Monitoring Times and RFI is Radio Frequency Interference). It is written by Kirk A.

XYL

By Carolyn Canfield, KE5DTS



**"Transmitters are dangerous!
Then I want your cellphone,
garage openers and iPods!"**

Kleinschmidt, NT0Z. It deals with various hardware and paper solution tools, including AM and shortwave handheld receivers, the ARRL's fine publication (ARRL RFI Book, \$39), and it manages to give the ARRL a boost by suggesting that an annual membership can get you help from the League. Of course, it also mentions that you should first try to find local hams via repeater, nets, and your clubs who are experienced with aiding hams in solving this kind of problem.

I recommend you pick this issue up or subscribe for even more fun. Austin Amateur Radio Supply sells the magazine, as do many of the larger magazine/book stores in town.

You can find out your local dealers here
<http://www.grove-ent.com/mtdealers-tx.html>
and you can subscribe here
http://www.monitoringtimes.com/html/subscribe_now__0.html



AARC Meeting Info.

Waterloo Icehouse

**8600 Burnet Rd. South of 183
(Come early and have dinner!)**

Business Meeting 7:00 pm

June 5th—Field Day 2012! Stuart Rohre, K5KVH and Jeff Schmidt, N5MNW discuss our plans for this year.

****Spolier Alert!**** (Air Conditioning!)

*****Officers Meeting 7:00 pm*****

June 19 - Come by Waterloo and watch the officers at work!

2012 Upcoming Amateur Exams

ARRL VEC— June 2nd & July 7th 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- June 16th & July 21st

2p.m. in **room 207**, Fleck Hall, St. Edwards Univ. Contact Jim Greenwood, AB5EK @arrl.net, (327-6184) for more info.

<http://texashams.org/w5yi-austin>

2012 Calendar of Events

Jun 2-3 Museum Ships Weekend Special Event - Seawolf Park Activating IOTA NA-143 (Pelican Is.) Brazos Valley ARC, KK5W from WWII Submarine USS Cavalla and Destroyer Escort USS Stewart From Seawolf Park on Pelican Is. in Galveston, Texas. 10-80 meters (SSB and CW). More information at <http://www.bvarc.org/index.php?page=ms>

Jun 7-10 ROT Rally comms. Mike KC5NQL noon Thurs thru noon Sun. kc5nqi@yahoo.com

Jun 8-9 Ham Com ARRL West Gulf Division Convention, Plano, Texas www.hamcom.org/

Jun 9 World Naked Bike Ride Saturday June 9th 9PM-~11PM. Mitch, KD5HCV at president@austinhams.org www.facebook.com/wnbrAustin

Jun 9-10 Texas Water Safari 50th anniversary! www.texaswatersafari.org for info about the event. Eric Olson WB5ZJQ, wb5zjq@sarepeater.net Packet Radio used to transmit canoe numbers to other stations down the river.

Jun 23-24 Field Day Weekend This years event forecast calls for partly **indoor** conditions. Come to the meeting Tuesday night to find out more information about this years event.

Upcoming Meetings...

June	July	Austin Meetings/Happenings	Time	Address
5	3	AARC Meeting Waterloo Ice House*	7:00 p.m.	8600 Burnet Rd.
9	14	Austin QRP, Alvin's Sandwich Shop	11:00 a.m.	12200 Research Blvd.
18	16	ATV Club Meeting Mangia's Pizza	7:00 p.m.	12001 Burnet Rd.
16	21	QCWA IHOP 183 Near Duval	1:30 p.m.	11654 Research Blvd.
27	25	Digital Wednesday at Red Cross	7:00 p.m.	2218 Pershing
25	23	Travis Co. REACT Jim's 183 & Burnet	7:30 p.m.	9091 Research Blvd.
26	24	Travis County A.R.E.S., ARL Auditorium	7:00 p.m.	10000 Burnet Rd.
28	26	CERT Meeting CTECC	6:30 p.m.	5010 Old Manor Rd.

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