

AARC OVER

*Keeping
Austin
Wireless*

*for over
99
Years!*



Bulletin of the
Austin Amateur Radio Club

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In This Issue

“Pirate Radio Stations”

by Joe Fisher, K5EJL

Ham Radio Test Results

Main article, continued

What Should I Have In My Go Kit”

by Michael Marks, KG5RXG, TCARES EC

Meeting info

Upcoming Exams / Calendar of Events

2

3

4

“

5

“

Over the WWWaves...

TCARES WinLink Wednesday

President’s Corner

Just for Fun

Upcoming Meetings / Periodic Events

Meeting Minutes

Club Info:

Repeaters / Officers / Contact info

6

6

7

8

9

10

11

“

March, 2019

Pirate Radio Stations

By Joe Fisher, K5EJL

ARRL Technical Specialist and CLM
(and self-appointed AARC Historian)

There's a lot of jargon that's built up over the last, maybe, 115 years of amateur radio. That's to be expected. We're not, usually, academics or graduate engineers, so we don't worry too much about "dotting the i's and crossing the t's". Cute names suffice, mostly, for some subjects, e.g. "Pirates". That's the name for 'em alright.

As I've written before, some folks take extreme short cuts. Instead of studying and passing an FCC license exam, or obtaining the proper authorization, they just get a radio transmitter or transceiver, maybe just pick out a call sign, if necessary, and go at it! FCC takes a dim view of this - and always has.

Call signs were always very important, especially to amateurs, because we all had to work to get a license, and, therefore, we jealously guard them. Anecdotes abound among old-timers about "pirates". And this activity is not limited to the Amateur Service as the link above explains.

I remember a guy from the distant past, many decades ago, who joined AARC, giving his call sign. Turned out that the call sign belonged to a person in Louisiana of a completely different name. Our member was confronted with this observation by an AARC officer, and the guy ever showed up again. Sad.

In a more modern example (less than 20 years ago), Chuck Inks, W5KNA (SK), was Net Control on the TCARES Sunday night voice net, when some guy came on the repeater and asked, "How are you guys doing"! No name or call sign.

"This is W5KNA, who are you?", Chuck asked in return.

"I'm just messing around.", said the guy.

Obviously, he had gotten his hands on an HT or something that was set to the repeater TCARES was using, and had no idea what he was doing. Fortunately, as I remember, he faded away without some harangue on the air.

Chuck was an old-time ham and Net Control who knew not to engage such folks, but just ignore them. Often that's not so easy.

As self-appointed Historian for AARC, I ran across an interesting note shown below from the *Radio Service Bulletin #3* from March 1915.

FALSE CALL LETTERS.

Recently a list of amateur **radio stations**, published by private parties, came to the attention of the Bureau, and it was observed that several of the call letters of the **stations** were irregular and probably in some cases constitute violations of the law.

Receiving **stations** and sending **stations** which are not required to be licensed under the law should use two-letter or other unofficial signals. All three-letter combinations and the numbers 1 to 9, followed by two or three letters, are official and can only be used by the **stations** to which they are assigned by the proper Government authority.

Any station using an official call letter or call signal other than that properly assigned may be prosecuted for a violation of section 7 of the act of August 13, 1912.

(Continued on page 4)

HAM RADIO TEST RESULTS

AARC would like to congratulate the following individuals on their accomplishments!

2/17/19

The South Austin W5YI VE team heartily congratulates the following people who earned new or upgraded amateur radio licenses at our February 16, 2019 session:

Amateur Extra Class

Dale Davis, KG5DRV

Jim Carpetas, KG5SV

General Class

David Geoffrion, (NEW)

Simon El Hinn, KI5CXA

Christopher Lang (NEW)

Wesley Jacobs, KI5ANS

Steven Mixon, KI5CVD

Pietro Caporusso (NEW)

Technician Class

Dennis Wittekind, Jr.

Matthew West

Christopher Wescoat

Richard Lamb

John Weaver

Allison Keegan

Kyle Read

Nathan Houston

Our administering volunteer examiners were:

Craig Bean, AC5KW

Gary Popp, AE5JR

David Glosson, N5DPG

Micah Kemp, AG5SJ

Our next two amateur radio exam sessions will start at 2 PM on March 16th and April 20th 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 Craig, AC5KW at (512) 474-6443 or by e-mail to craigmb5 /at/ gmail.com

The following are the results of the ARRL VE test session held on February 2nd, 2019 at Bethany United Methodist Church:

Technician Class Licenses Processed

Eric A. Bowen, KI5DDP

Sheila R. Constant, KI5DDK

David A. Liu, KI5DDL

Bruce E. Malatek, KI5DDN

Sean R. Neagle, KI5DDI

Joseph M. Surls, KI5DDO

Carl E. Svahn, KI5DDJ

Trista R. Taulu, KI5DDM

General Class License Processed

Rishi Chandra, KI5CVH

Gregory J. Franson, KI5DDR

Gregory A. Hubbard, KB5ZZT

Rebecca J. Osborne, KI5DDQ

Lana N. Pontious, KC8LPX

Zachary K. Sanchez, KI5DDS

Extra Class Licenses Processed

Michael A. Casey, KG5ZSN

Examiners Participating in this Test Session

Ted Iglehart, KF5END

Micah Kemp, AG5SJ

Steve Lang, WB5ZIL

Joe Makeever, W5HS

Jim Matthews, KG5QFD

Jim Peisker, AF5NP

Next ARRL VE Test Sessions

March 2nd - Bethany United Methodist Church, Disciple Building, Room 203/204

April 13th - Bethany United Methodist Church, Disciple Building, Room 206/207

TNX ES 73 DE W5HS

Joe



Following the Titanic disaster in April, the U.S. Congress passed the Radio Act of 1912 referenced above.

'Guess there were problems with "pirates" 100 years ago. The shame of it all is that they're on the radio all too frequently now, both Amateur and Broadcast. To the latter, we've had our share here in Austin over the years, but that's a discussion for another time.

And finally, if you're interested in helping to monitor the ham bands, primarily to assist fellow amateurs meet the specifications in FCC Rules, or help detect "pirates" and their operation, consider applying for the position of Official Observer in the ARRL Field Organization. Requirements are on [arrl.org](http://www.arrl.org). [The Official Observer is being retired in favor of a new Volunteer Monitoring Program. See <http://www.arrl.org/news/arrl-board-adopts-volunteer-monitoring-program-official-observer-program-to-be-retired> for more info. -Ed] Other appointments reflecting other interests in amateur radio are available for ARRL members as well.

73 DE K5EJL



What Should I Have In My Go Kit?

by Michael Marks, KG5RXG, Travis County EC

Go-Kit, Jump-Kit, Ready Kit, and Bug-out-Bag all mean the same thing - equipment ready to go on short notice. As ARES members, we do not self-deploy, but when the call is answered, we must be ready to go.

There are many ways that you could pack a go-kit. As each person's needs will vary, the best kit for you may not fit a "canned" list. Your kit should be based upon your operating mode, experience and deployment conditions. The ARES Field Resource Manual is a great reference.

A typical kit should sustain a day of continuous operation and be easily supplemented for longer operations. I consider the essentials to be water, a trauma kit (Stop the Bleed), a dual-band handheld transceiver (HT), a gain antenna (not the stock "rubber duck"), auxiliary power source, writing materials, snacks and safety items.

ITEMS TO INCLUDE IN YOUR BASIC KIT:

- * Water
- * Pre-programmed dual-band HT
- * Backup batteries for HT
- * DC adapter & cigarette plug cord for HT
- * Earphone and/or speaker mike
- * Gain antenna
- * Adapters to fit HT to antenna coax
- * 25' of low-loss coax
- * Operating manual for radio(s)
- * Frequency reference(s)
- * Copies of ICS forms (213, 214, etc.)
- * Copy of FCC Operating License
- * ARES Badge
- * ARES leadership contact info
- * A multi-purpose tool
- * Flashlight with spare batteries
- * Work gloves
- * Pencil and notepad
- * Poncho

Other items to consider are a pocket knife, a compass, local maps, cash in small denominations, spare eyeglasses/contact lens kit. If you take prescription medications, you should carry enough of those for the expected duration of the deployment. You can do a lot with a minimum kit, if you plan its contents carefully. There is risk of not having something you may need if you pack too light, but obvious "luxuries" should stay home.



AARC Meeting Info

Tuesday, March 5, 2019 / 7:00pm to 9:00pm

Location: Applied Research Laboratories
10000 Burnet Rd., Austin TX 78758

Main Presentation

TBD

Solar Wx Summary

by Lew Thompson, W5IFQ

Upcoming Amateur Exams: 2019

ARRL VEC - March 2nd and April 13th
9 a.m. At Bethany United Methodist Church.
Room 203/204. \$15 fee. For more info, contact:
Joe Makeever, W5HS (512-345-0800)

W5YI VEC - March 16th and April 20th
2 p.m. In Room 118, Fleck Hall,
St. Edwards University. \$14 fee.
For more info, contact:
Craig, AC5KW [at] ARRL.net

2019 - Calendar of Events

Mar 8-9 -- Acadiana Hamfest / Rayne, Louisiana

Louisiana State ARRL Convention, Rayne Civic Center
112 Frog Festival Drive, Rayne, Louisiana 70578

<http://w5ddl.org/hamfest/index.htm>

Sponsored by: Acadiana Amateur Radio Association, Inc.

Mar 16 – WCARC Hamfest

Community Center San Gabriel Park, 455 E. Morrow St.,
Georgetown, Texas 78626

Talk-in 146.64MHz(-)162.2 Hz PL.

<http://www.wcarc.com/index.php/events>

Mar 16 – 64th Annual St. Patrick's Day Hamfest

ARRL West Texas Convention

MLK Community Center, 2300 Butternut Lane

Midland, Texas

<https://w5qgg.org/wp/>

<https://hamfest.w5qgg.org/>

Mar 20 Drill - Seton at UT and Military out of San Antonio

Contact Joe (N5HPC) for details. N5HPC [at] ARRL.NET

Mar 22-23 -- Greater Houston Hamfest (Rosenburg)

Fort Bend County Fairgrounds, 4310 TX-36

Rosenberg, TX 77471 // Sponsor: Brazos Valley Amateur
Radio Club // Talk-In: 146.940 (PL 167.9)

Contact: Mike N5VCX / Phone: 401-584-4443 (GHHF)

Email: n5vcx /at/ att.net

<http://houstonhamfest.org/>

Apr 6 – Belton HamEXPO! Spring

Bell County Expo Center- Belton, Texas

Admission Fee \$5 per person, includes one free raffle
ticket (\$2 value). Children under 12 free.

<http://www.tarc.org/hamexpo>

Apr 27 ARRL North Texas Mentorfest

Location: Hella Shrine Temple 2121 Rowlett Road Garland,
TX 75040 / Sponsor: ARRL North Texas Section, Hella Hams
Amateur Radio Unit / Contact: Bill AC5BC Phone: 214-500-

3472 Email: ac5bc2 [at] verizon.net

Website: <http://www.arrlntx.org/mentorfest>

Apr 27-28 MS150 HOU-LaGrange-ATX(COTA) bike ride

Mike Firenza 713-504-1775 michaelfirenza [at] att.net

May 4 Austin Mini Maker Faire

Parmer Event Center, Austin TX

Volunteers needed at AARC's Booth (4 or so, in shifts)

Hands-on EM demos & experiments and a live voice &
digital Amateur Radio station.

Contact Jeff: N5MNW [at] arrl.net

May 11 PARC Annual Swapfest

Location: City of Amarillo Drainage Utility Dept 1900 Line
Avenue, Amarillo, TX 79101

Sponsor: Panhandle Amateur Radio Club

Talk-In: 146.94 (PL 88.5)

Contact: John K5IT Phone: 806-414-3926

Email: panhandlearc [at] gmail.com

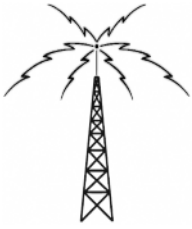
Website: <http://w5wx.net/>

May 17-19 Dayton Hamvention

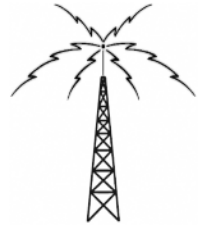
<http://hamvention.org/>

More info & events listed in the [SwapNet Newsletter!](#)

Visit <http://austinhams.org/swapnet>



Over the WWWaves...



Recycling... Ham Radio Style - DE K5FNI, Rick

It looks fun, at least for a recycled transmitter, built out of components found in the base of a compact fluorescent bulb!
<https://web.archive.org/web/20100917031808/http://aa1tj.com/dasderelicht.html>

Navigation Problems? Radio to the Rescue! - DE K5FNI, Rick

Interesting application of radio to solve navigation problems. I recall hearing its name in the late 1950s. I didn't think to tie it to the phonograph record label.
https://en.m.wikipedia.org/wiki/Decca_Navigator_System



Travis County ARES WinLink Wednesday

By John, W5RZG

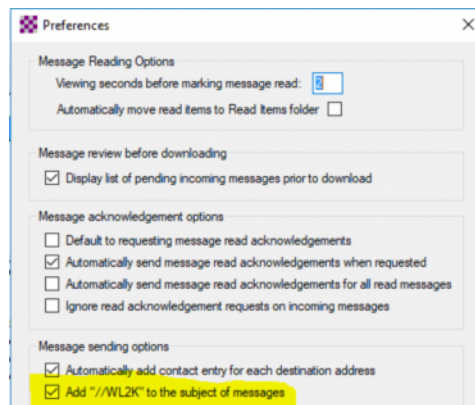
WinLink Wednesday provides a regular opportunity to test our hardware and software configurations, and to practice our skills in using the WinLink radio email system (<http://www.WinLink.org/>). Announcements and reminders go out to past participants via WinLink and via the TCARES website, <http://tcares.org/tcares/index.php>
Any TCARES licensed amateur capable of sending and receiving WinLink radio email via VHF or HF is welcome to participate.

WinLink training topics will be included in the acknowledgements that I send. These will include lesser used features and characteristics of the WinLink system (scripts, P2P, creating templates, message precedence, white lists, compressing files).

The preferred method is to use any VHF or HF RMS gateway to send your check-in through your radio. Initially, if your setup is not capable of digital transmission, you may use TelNet. But within a few weeks you will be expected to transmit through a Gateway as this is the real value of WinLink.

W3MRC-10 on 145.730 MHz is a public gateway available 24x7x365 for legitimate amateur radio use. Coverage is quite good around Travis County. You can use the W3MRC-10 gateway, another VHF or UHF gateway, or an HF gateway to participate in WinLink Wednesdays. The WinLink Web site, <https://winlink.org/RMSChannels>, has maps and lists of all the gateways available for use. Also check the Texas RMS Packet Station page at <http://n5tw.ecpi.com/rmsstatus/> for current status of central Texas gateways, nodes, digipeaters, etc.

For your first assignment, go to Settings, Preferences and check the box for:
Add "//WL2K" to the subject of message



Travis County ARES WinLink Wednesday (continued)

This will make sure your messages make it through the first time until you are added to my "white list". More on this in future messages.

Please consider joining in the fun and adding WinLink, an important part of our ARES® response capability, to your amateur radio toolkit. It's easy to do, and if you are already set up for digital modes you have all the hardware you need.
John W5RZG

Check-in Procedure

Check-in anytime between Sunday 2359 and Wednesday 2359. I will send a reply containing a training message by 2359 Thursday. Check for incoming messages from me anytime after that. All check-ins will be acknowledged, and a complete list of check-ins will be sent via WinLink to all participants. Try to read the training message before the next check-in. Please remember to use the correct format for check-in, as shown below (check-in message on a SINGLE LINE:

To: W5RZG
Subject: //WL2K TCARES WinLink Net Check-In
Message:
call sign, first name, city or town

Example:
W5RZG, John, Austin

Thank you for your cooperation.



President's Corner

As you know, we are in tax season now.

Club Treasurer Mark (W5MPJ) and I are working on getting all the necessary letters out to those of you who donated either money or equipment to the Club last year so that you have them for tax purposes. We had a change in who the Club Treasurer was early in the year and I want to make sure we're not missing any donors. If you were one of these donors, it would be great if you could shoot me an email at president [at] austinhams.org , so we're thorough in this task. Thank you.



It's important for Club records that we keep as accurate as possible account of the amount of time our members contribute volunteer time. The keeper of these records is Tim, N5TML, so please ensure that you are providing this data to him via email to: N5TML [at] yahoo.com

73 DE WB5WTF

Ruben



Just For Fun...

Word Search

Can you find all the words listed below in this puzzle? The words are taken from articles, news, events, or *anywhere* in this newsletter. Can you find them in the newsletter?

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

BATTLESHIP
 BUREAU
 DIGITAL
 ECHOLINK
 FACSIMILE

FREEDOM
 FREQUENCY
 HAMFEST
 NAVIGATION
 OBSERVER

PACKET
 PIRATE
 REFLECTOR
 SOFTWARE
 TRANSMITTER

This Month In History

1922-03-?? – MANY AM stations began radio transmissions

1925-03-04 – US President Coolidge's inauguration broadcast live on 21 radio stations

1930-03-27 – 1st US radio broadcast from a ship at sea

1941-03-01 – 1st US commercial FM radio station goes on the air, Nashville, Tennessee

1955-03-04 – 1st radio facsimile transmission sent across the continent

1959-03-06 Farthest radio signal heard (Pioneer IV, 400,000 miles)

Source: <https://www.onthisday.com/literature/radio>

Action on the Airwaves

Looking for something new to do this new year?
This is just a sample of the special events stations.
Check out more [activities on the air!](#)

03/01/2019 | The Battleship Texas 105th Birthday

Mar 1-Mar 14, 0000Z-0000Z, W5T, Cleburne, TX. Club KC5NX. 14.225 14.045 7.225 7.045. QSL. CLUB KC5NX, 9200 Summit Court West, Cleburne, TX 76033. Club KC5NX is back on the air this year to help celebrate the 105th birthday of our Grand Lady, The Battleship Texas... really neat QSL card, special freq / time request honored, whatever... We'll be on the air !! SASE requested. 73. club.kc5nx@gmail.com <https://www.qrz.com/db/kc5nx>

03/08/2019 | The American Legion's 100th Birthday celebration

Mar 9, 1800Z-2359Z, K9TAL, Indianapolis, IN. The American Legion Amateur Radio Club. 14.275 7.225; *CrossRds* EchoLink Conference; IRLP Reflector 9735. Certificate & QSL. The American Legion National Headquarters, P.O. Box 1055, Attn: TALARC, Indianapolis, IN 46206. k9tal@legion.org or <http://www.legion.org/hamradio>

03/16/2019 | St Patrick's Day Special Events Station GB1SPD

Mar 16-Mar 17, 0930Z-1600Z, GB1SPD, Omagh, NORTHERN IRELAND. West Tyrone Amateur Radio Club. 18.120 14.225 7.150 3.725. QSL. Ian Morrow, 90 Bracky Rd., sixmilecross, Omagh BT79 9PH, NORTHERN IRELAND. West Tyrone Amateur Radio Club which is based in Omagh, County Tyrone, Northern Ireland are running a special event station to celebrate St Patrick's Day. The station will be running on the weekend of the 16th & 17th March 2019. The station will be operational from approximately 0930 to 1800hrs Saturday and from 10am to 1600hrs on Sunday. Depending on band conditions, we will be operational on the following bands. HF: 17 / 20 / 40 / 80 phone HF: CW 20 meters HF: PSK31 & FT8 2 meters & Echolink. QSL cards will be sent out to all contacts. <http://www.wtarc.org.uk/>

03/30/2019 | Wings of Freedom

Mar 30, 1600Z-2000Z, W7AI, Marana, AZ. Oro Valley Amateur Radio Club. CW: 7.040, 14.040; SSB: 7.200; 14.250; FT8: 14.074, 18.100. Certificate. send request, to, qsl@tucsonhamradio.org . Located at the Marana Regional Airport. Spots on DXSummit.fi. Email request for PDF certificate to qsl@tucsonhamradio.org. Please, no paper QSLs. <https://www.tucsonhamradio.org>



Upcoming Meetings...

Mar	Apr	Austin Meetings/Happenings	Time	Address
5	2	AARC Meeting @ Applied Research Labs.	7:00pm	10000 Burnet Rd
26	23	Travis County ARES @ Applied Rsrch Labs	7:00pm	10000 Burnet Rd
28	25	CERT Meeting @ TBD (see Link / Contact)	7:00pm	TBD
5	2	CTDXCC Meeting @ Mimi's Café	6:30pm (dinner @ 5:15pm)	10515 N Mopac Expwy NB Bldg O, Austin

If your club is listed here and has incorrect time or dates, please let us know!
Email: editor [at] austinhams.org

Periodic Events

Sun	7:00 p.m.	Travis Co. ARES net	147.360 MHz - (131.8)
	CANCELED	Travis ARES Packet (*in UNPROTO mode)	145.730 MHz
Sun	2359-Wed 2359	Travis Co. ARES WinLink Wednesday	145.730 MHz
Sun	8:00 p.m.	Williamson Co. ARES net	146.640 MHz - (162.2)
Sun	9:00 p.m.	ARO SwapNet	146.940 MHz - (107.2)
Mon	7:30 p.m.	STX ARES Net	3.873 MHz
Tue	7:30 p.m.	Hays ARES net	147.100 MHz +
Tue	8:00 p.m.	Bastrop ARES Net	443.750 MHz + (114.8)
Wed	11:30 a.m.	Ham Social Luncheon, Jim's	146.940 MHz - (107.2)
Thu	9:00 p.m.	2m SSB Net	144.250 MHz (USB)
Thu	11:00 a.m.	Lunch, Pokey Joe's 183&Great Hills	444.100 MHz+
Thu	11:45 a.m.	Lunch, Whataburger Oltorf & Burleson	146.940 - (107.2)
Fri	8:00 p.m.	6m SSB Net	50.230 (texasvhf.org/)
Sat	7:00-8:30 a.m.	Breakfast @ Waterloo Ice House	444.100 MHz +
Sat	9:00 a.m.	Chapter 67 QCWA QSO Net.	3.920 MHz LSB
Sat	7:00 p.m.	AARC Elmer Net	146.940 MHz - (107.2)
Daily	6:30 p.m.	Central Texas Traffic Net	147.140 MHz+

TCARES WinLink Wednesday

Did you notice above that the TCARES Packet Net on Sunday night has been canceled? The net does not provide effective, emergency communications and has should have only served as a stepping stone for members to develop the hardware and skills needed to move to the Packet Winlink system. It's time to make the switch. All TCARES licensed amateurs capable of sending and receiving WinLink radio email via VHF or HF are welcome to participate.

Detailed information is available on **Page 6** of this newsletter.

Minutes of the Regular Membership Meeting of February 5, 2019

The Austin Amateur Radio Club (AARC)

Meeting held at the Applied Research Laboratories, 10000 Burnet Rd., Austin TX

Meeting called to order by President Ruben Fuentes @ 1900 hrs

New members introduced themselves:

April Given - No call sign
Charlie Given - K5CDG
Pietro Caporusso - No call sign
Dave Marquardt - No call sign
Frank Schiefer - No call sign
Joseph Longhurst - KB7SPG

Ham of the Month:

Joe Fisher moved that Troy Kimble and Jay Hoffman be nominated as Hams of the Month for their work on the recently completed SkyWarn training. Joe Canfield seconded the motion and the motion passed unanimously.

Jeff Schmidt announced that he would be happy to hold a Technician Class for new members seeking a license.

Stuart Rohre gave the annual report on the Scholarship Fund. It was created on 1/5/1993 and has awarded over \$250,000 in scholarships.

Balance	\$448,813.79
2018 Grants	\$ 17,500.00
Administrative Costs	\$ 6,577.00

Michael Marks gave the ARES Emergency Coordinator report. A major hospital exercise is planned for 2-6-2019. The next TCARES meeting is 2-26-2019 at the ARL at 1900.

Mark Jenkins gave the Treasurer report.

\$8,000.00 in checking
\$2,800 in savings

Michael Skurka, webmaster, reported that AARC member information is available on smart phone applications called Wild Apricot Members app (iPhone and Android). An information sheet was circulated around the meeting for members to list their contact information and to authorize it to be available only to other club members.

Lew Thompson gave the monthly Solar Weather report.

Lew Thompson presented the February program on Mobile HF Antennas.

The meeting was adjourned at 20:50.

The meeting adjourned at 21:00.

Kerby Spruiell, Secretary



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

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

REPEATERS

AARC maintains the following repeaters:

Frequency (MHz)	PL Tone (Hz)	Use / Notes
146.780 (-)	-	2m D-STAR repeater [W5KA C]
146.880 (-)	107.2	Analog/Digital Fusion (Yaesu)
146.940 (-)	107.2	Most popular, TCARES WxNet, SwapNet
224.800	-	-
440.650 (+5)	-	70cm D-STAR repeater [W5KA B]
444.100	-	-
444.200	107.2	-
1293.100 (-20)	-	23cm D-STAR repeater [W5KA A]
1248.200	-	23cm D-STAR DD (data, simplex/Reversible) [W5KA A]

Persons using the repeaters are encouraged to join the club to help support these valuable resources.

Note: **No** AARC repeater has **autopatch** capability any longer.

The Austin Amateur Radio Club offers annual scholarships to licensees living in Travis, Williamson, Bastrop, Hays, Blanco, Caldwell, and Burnet counties. Please see <http://austinhams.org/scholarships> for more information.

OFFICERS

President	Ruben Fuentes	WB5WTF	president [at] austinhams.org
Vice President	Lew Thompson	W5IFQ	vice-president [at] austinhams.org
Treasurer	Mark Jenkins	W5MPJ	treasurer [at] austinhams.org
Secretary	Carston Buehler	KG5PAL	secretary [at] austinhams.org
Editor, AARCOVER, website	Michael Skurka	K5MSK	editor [at] austinhams.org
Technical (Repeater Contact)	Roy Walker	WA5YZD	wa5yzd [at] arrl.net
ARRL Travis Co. Emer. Coord.	Michael Marks	KG5RXG	kg5rxg [at] gmail.com
TCARES PIO	Ruben Fuentes	WB5WTF	pio [at] austinhams.org

* Replace [at] with @ in email addresses.

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