

When All Else Fails . . . Amateur Radio

Main Repeater

146.700
- Offset
PL Tone 107.2

Other Repeaters

444.700
+ Offset
PL Tone 107.2

EchoLink

W5RIN

BARC Weekly Net

Thursdays @ 8 PM on
146.700

Monthly Club Meeting

Date & Time:
Last Monday of
month at 7:30 PM

Location:
North End Baptist
5115 Eastex Freeway
Beaumont, TX

Next Meeting:
February 29, 2016

Program:
LB Little

BARC Website
www.qsl.net/w5rin



Essay: I Don't Get No Respect

"Last Christmas I got no respect. In my stocking, I got an odor-eater." - Rodney Dangerfield

Arriving at a certain public service event for the first time and on time, I dismally found our team "organizer" absent. We had been instructed to arrive at 0630. He arrived at 0730, unprepared and scrambling, offering no apology, explanation, or guidance. I then realized our fate as volunteers was tied to an unfolding human disaster. Those of us who gave up a Saturday and arrived on time (everyone else), had been standing around shivering, checking our calendar (maybe the event was actually tomorrow), and checking our watches. What we should have been checking for was a *plan*.

What was our mission and role? Who do we report to? Not even cursory answers were provided by our leader. "He's always like this," one frequent volunteer told me. He added this advice: "Just work around him and make lemonade from the lemon." Still, I couldn't get the phrase "I get no respect" out of my head.

Cables lacking proper connectors and no mains power hampered his setup of "net control" (another term used loosely in this grim context). I'd have thrown a life ring, but he was totally unapproachable. Amidst all the foundering he exhibited a strutting self-importance, guffawing with a small minded group of enablers, and ignoring the rest of us.

The rest of us decided to stick it out to offer what we could to the event officials, staff and volunteers. I befriended volunteers at a water stop who didn't expect me nor had any idea what my role was, but I enjoyed the day cheering everyone on, while resolved to dial 911 should we need help. (The "net control station" was useless).

Fast Forward to the present: Considerable experience as a volunteer and now as a leader have cemented in me the importance of approaching each and every volunteer with the greatest of respect and appreciation. It means not just showing up on time, but paving the way for success long before the event morning briefing. I tell my teams that a successful Amateur Radio effort on event day is a reflection of many months of pre-event communications.

Rufus Turner, W3LF

The computer hardware/software/do-it-yourself blog *Hackaday* has **profiled** Rufus Turner, W3LF (ex-K6AI) — the first African-American radio amateur and one of the more fascinating personalities in US history. Born on December 25, 1907, in Houston, Texas, Turner “became fascinated by crystal diodes and published his first article about radio when he was 17,” according to *Hackaday*. He went on to build what *Hackaday* described as “then the world’s smallest radio set” in 1925, while still a teenager.

In the day when radio amateurs still were allowed to broadcast, W3LF became the first radio station licensed to an African-American. He broadcast with a 15 W in Washington, DC, and operated another radio station for his church.

And in 1949, he wrote “Build a Transistor” for Hugo Gernsback’s *Radio-Electronics* magazine (**May 1949 issue**, p 38) — at a time when transistors (aka “crystal triodes”) not only were cutting edge but not commercially available. His meticulously described project involved the sacrifice of two 1N34A diodes.

In January 1950, his article, “A Crystal Receiver with Transistor Amplifier” appeared in *Radio and Television News*, along with plans for a three-transistor radio. This was in the days before such things had begun to appear on the market.

While he had attended Armstrong Tech in Washington, DC, and he became a licensed professional engineer, he veered into the non-technical sphere of academe later in his life, earning bachelor’s and master’s degrees in English, and in 1960 — at age 52 — he became an English professor at California

State College, where he obtained his BA. He pursued a PhD in English at USC, with his thesis analyzing the life and literary output of 18th century romantic Charlotte Turner Smith.

He taught until 1973, but continued to write electronics articles. He died in 1982, the same year his *The Illustrated Dictionary of Electronics* appeared in print.

Thanks to Hackaday, Southgate Amateur Radio News, Radio-Electronics



Rufus Turner in 1926

EchoLink App

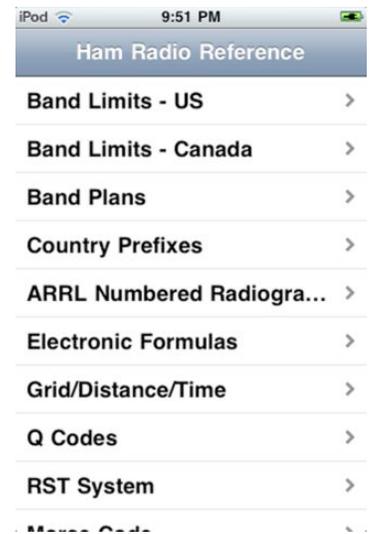
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Ham Radio Reference (iOS)

Did you hear a Q signal that you didn't know? Want to find the local grid square? With this reference, you can not only find these, but also have quick, easy access to the following:
US & Canadian Amateur Band Limits, Country Codes,

Band Plans (ARRL, ARC, IARU 1, 2, 3), Radiogram Numbered Messages, Grid Square and Location, Q Codes, Local and UTC Time, etc.

In addition there are 16 useful electronic formulas with their own calculator that can be used for dB v. Power calculations, frequency v. wavelength, Ohm's law and more!



Continued from page 1: Essay

Our mission and role should be no mystery to the organization we are serving. We need to abandon the often-seen and never loved "know-it-all" attitude, and approach event officials and other volunteers as our teachers. *We are there for them, not us.*

When volunteers report for duty, they have a plan in hand. They know what to expect. They are trained, follow a communications standard, recognize and support an ICS structure, know the boundaries, and therefore feel confident and - most importantly - respected for the communications quasi-professionals they truly are. "Anyone can push a button," I tell our teams. "We're communicators first, not operators. It is this distinction in which you should take great pride."

Ultimate success is a safe event, where those we serve - participants, staff and officials - have benefited from our presence. As this happens more and more, and as I encouragingly see it in the work of others, I lighten up and have some fun. As a team leader, express your respect and appreciation for volunteers through organization, planning, keeping your commitments, communication, delegation, trust, and by expanding your own knowledge and technique. As a volunteer, work with your leaders to bring these and other concepts into practice.

With every event served, up your game. If you're in a position of authority, remember that you represent not only yourself, but all of us. Don't blow it. Aim high and our unique and valuable Amateur Radio service will greatly benefit, and so will you. - *Mark Richards, K1MGY, Littleton, Massachusetts* [Richards serves as a member of the Boston Athletic Association Communications Committee, which supports the Boston Marathon.].

Did you know?

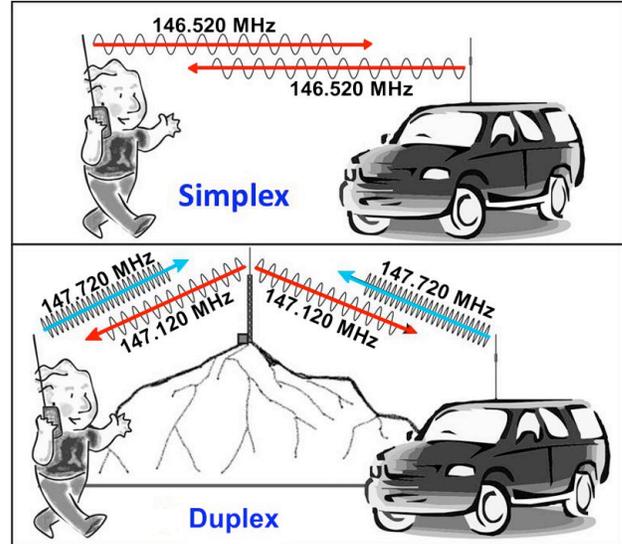
Terminology

Simplex – In the amateur radio context, *simplex operation* means the radio stations are communicating with each other directly, on the same frequency. Both stations take turns transmitting and receiving on the same frequency with no repeater or other device in between.

Duplex – Duplex operation means that a radio station transmits on one frequency and receives on a different frequency.

Full Duplex – Operating duplex with the ability to transmit and receive *simultaneously*.

Half Duplex – Operating duplex but having to switch between transmit and receive.



ARES & RACES 2016 Upcoming Public Service Dates

DATE

February 26-27
 February 27
 March TBA
 May 7
 May TBA
 May 21
 June 4
 June 25-26
 August 19
 September 10
 September TBA
 October 1
 October 14,15,16
 October TBA
 November 5
 December 2,3
 December 13

EVENT

Orange Hamfest
 Gusher Marathon - Beaumont
 Big Thicket Bike Tour
 March of Dimes, March for Babies
 Texas ARES/RACES/MARS Drill
 Don Allen Sports Day - Wildwood
 Spindletop Spin Bike Tour
 ARRL Field Day
 Gusher – 5K Pleasure Island
 Big Thicket Neches Canoe Trek
 CCA Kids Fishing Rodeo - Laporte
 Beaumont Fire Family Fire Safety Fair
 BSA Jamboree on the Air
 Texas ARES/RACES/MARS Drill
 Gusher Pleasure Island Half Marathon
 SkyWarn Recognition Day
 HAM Christmas Party – Brazos Cattle Company

For more information on ARES / RACES, please contact Kirk (N5WKM).

Ham Radio High Altitude Ballooning

Amateur Radio High Altitude Ballooning

(ARHAB) is the application of analog and digital amateur radio to weather balloons and was the name suggested by Ralph Wallio (amateur radio callsign W0RPK) for this hobby. Often referred to as "The Poorman's Space Program", ARHAB allows amateurs to design functioning models of spacecraft and launch them into a space-like environment. Bill Brown (amateur radio callsign WB8ELK) is considered to have begun the modern ARHAB movement with his first launch of a balloon carrying an amateur radio transmitter on 15 August 1987. The first recorded ARHAB launch, however, is recorded to have taken place in Finland by the Ilmari program on May 28, 1967.

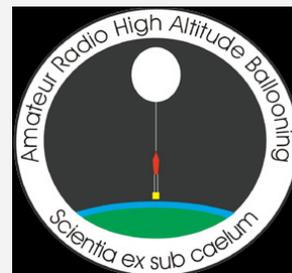
An ARHAB flight consists of a balloon, a recovery parachute, and a payload of one or more packages. The payload normally contains an amateur radio transmitter that permits tracking of the flight to its landing for recovery. Most flights use an Automatic

Packet Reporting System (APRS) tracker which gets its position from a Global Positioning System (GPS) receiver and converts it to a digital radio transmission. Other flights may use an analog beacon and are tracked using radio direction finding techniques. Long duration flights frequently must use high frequency custom built transmitters and slow data protocols such as RTTY, Hellschreiber, Morse code and PSK31, to transmit data over great distances using little battery power. Use of amateur radio transmitters on an ARHAB flight requires an amateur radio license, but non-amateur radio transmitters are possible to use without a license.

In addition to the tracking equipment, other payload components may include sensors, data loggers, cameras, amateur television (ATV) transmitters or other scientific experiments. Some ARHAB flights carry simplified payload packages called BalloonSats.

A typical ARHAB flight uses a standard latex weather balloon, lasts around 2-3 hours, and reaches 25 to 35 km in altitude. Experiments with zero-pressure balloons, superpressure balloons, and valved latex balloons have extended flight times to more than 24 hours. A zero-pressure flight by the Spirit of Knoxville Balloon Program in March 2008 lasted over 40 hours and landed off the coast of Ireland, over 5400 km from its launch point. On December 11, 2011 the California Near Space Project flight number CNSP-11 with the call sign K6RPT-11 launched a record breaking flight traveling 6,236 miles from San Jose, California to a splashdown in the Mediterranean Sea. The flight lasted 57 hours and 2 minutes. It became the first successful US transcontinental and first successful transatlantic amateur radio high altitude balloon.

Additional record flights are available on <http://arhab.org>



Stay tuned for the
next balloon launch
with the Beaumont
Amateur Radio Club.

**Beaumont Amateur
Radio Club**

PO Box 7073
Beaumont, TX 77706

E-mail

Beaumontarc@gmail.com

Editor's Notes

Our new antenna on
146.7

Thanks to EVERYONE that
had a part in acquiring,
installing and setting up
our new antenna.

It's GREAT!



Club Officers

Please feel free to contact any club officer with questions or suggestions.
This is YOUR club!

President	LB Little	WB5YDA	782-3115
Vice President	Lynn Sandell	KF5LNZ	454-3812
Secretary	Debby Martin	Kf5LOA	673-8628
Treasurer	Brenda Frazier	N5EKG	385-5187
Director	Ronnie Frazier	KX5C	385-5187
Director	Jody LaPoint	KG5GTF	
Director	Roger Dillon	K5PE	755-4589
Director	Randy Leftwich	K5RWL	466-5828

BEAUMONT AMATEUR RADIO CLUB
PO BOX 7073
BEAUMONT, TX 77726



We're on the Web!

See us at:
www.qsl.net/w5rin

2015 BARC Club Members & Call Sign

Abraham	Luke	KF5HCK	Leftwich	Randy	K5RWL
Adams	Matt	KF5EGL	Little	L.B.	WB5YDA
Amaimo	Sam	KA5LAR	Livingston	Clayton	KE5ZXE
Barnett	Rodney	KG5DDG	Lombard	JoAnn	KD5RRW
Bartlett	Evelyn	WA5MPW	Lombard	Walt	W5CPH
Batchelor	Richard	KA5IQX	McLaughlin	Jimmy	KD5WJF
Beaulieu	Rick	KG5AOK	Mahney	Kirk	N5WKM
Bertrand	James	N5BZN	Manshack	Mike	AD5OG
Boyett	Robert	WU5Q	Martin	Debby	KF5LOA
Breaux	Gil	W5GBX	Mondy	Kavan	KG5BMX
Burkhalter	Jimmy	KB5WIO	Peevey	Jobe	KF5QZR
Collier	Bill	KC5WFH	Peevey	Vivid	KF5CEF
Dillon	Roger	K5PE	Reeves	Chris	K5BLT
Domino	Joe	WA5KFQ	Ritchie	Maurice	WB5MR
Faucheaux	Mike	N5KBW	Sandell	Lynn	KF5LNZ
Fielder	Wayne	WB5VDC	Sonnier	Wayne	KF5SRG
Fournerat	David	KF5CAE	Starr	Adam	KF5EAX
Frazier	Brenda	N5EKG	Starr	Melissa	KF5EAW
Frazier	Caleb	W5GOW	Stewart	Paul	WA5NUJ
Frazier	Michael	N5LYH	Stockholm	Jerry	WA5NRG
Frazier	Ronnie	KX5C	Stone	Bonnie	KK4KIA
Harrington	John	W5EME	Stuart	Grant	N5YX
Hill	John	W5HX	Thompson	Tom	KF5TT
Hudgins	Richard	N5ALE	Viator	Carla	KF5CEE
Johnson	Al	N5CMM	Webb	Claude	KG5BBD
King	Kathryn	KC5PQA	Wilson	Rocky	N5MTX
Kubenka	Joe	KF5LW	Winnie	Terri	KF5JAC
LaPoint	Jody	KG5GTF	Youngblood	Bennie	KE5RTI

Frequencies

52.525 6 Meter FM National Calling Frequency
 53.150/52.150 Groves Repeater (pl 100.0)
 144.390 APRS
 145.010 WB5YDA-10 RMS Packet
 145.010 BPT (W5SSV) Packet
 145.010 W5SSV-10 RMS Packet
 145.050 KC5YSM-10 RMS Packet
 145.210- S.W.L.A.R.C. (W5BII, pl 103.5)*
 145.230- B.T.A.R.C. (N5BTC, pl 103.5)*#
 145.330- Anahuac (KK5XQ, pl 123.0)
 145.470- J.C.A.R.C. (W5SSV, pl 103.5*)
 145.350- Sulphur A.R.C. (KC5PNH, pl 103.5)*
 145.560 Simplex-Jeff Co ARES Secondary
 146.450 Mid County Simplex
 146.520 National Simplex
 146.560 Simplex Tyler Co ARES Prim
 146.580 Simplex Jeff Co ARES Prim & Special Event
 146.640- Beaumont Repeater (KW5C, 103.5 pl) #
 146.680-Tyler Co Amateur Radio Assoc. (100.0 pl) **DOWN**
 146.700- B.A.R.C. (W5RIN, pl 107.2)*#
 146.730- S.W.L.A.R.C. (W5BII, pl 173.8)#
146.760- B.A.R.C. (W5RIN, pl 107.2) BACK ONLINE

* Denotes transmitted PL tone.

146.860- Port Arthur (WD5GJP) pl 103.5
 146.980- H.A.M.S. (Devers, N5FJX, pl 103.5)*#
 147.000- Jasper (W5JAS, pl 118.8)*#

147.060+ DuPont (AA5P, pl 103.5)
 147.180+ Orange A.R.C. (W5ND, pl 103.5)*
 147.200+ Port Arthur (KC5YSM) (pl 118.8)*#
 147.220+ Tyler Co ARA (pl 100.0)* **NEW**
 147.300+ Mobil Oil (W5XOM) (pl 103.5)*
 147.420 Simplex-Orange ARES Primary
 147.460 Simplex-Orange ARES Secondary
 147.570 Simplex-Hardin Co ARES Secondary
 223.800 Beaumont (KA5QDG) (pl 123.0) **DOWN**
 224.200-Vidor (KD5UNK) (no CTCSS) **NEW**
 224.920 Devers (KA5QDG) (pl 123.0)
 440.725+ Jefferson Co D-Star Repeater **NEW**
 442.575 Devers (KA5QDG, pl 103.5)
 444.700 B.A.R.C. (W5RIN, pl 107.2)
 444.900 Mobil Oil (W5XOM, pl 103.5)
 446.000 National Simplex UHF

Denotes echo link.

Nets

BARC Net Thurs Night 8:00pm 146.700
JCARC Net Wed Night 8:00pm 145.470
BTARC Net Thurs Night 7:00pm 145.230
ORG ARC Net Nightly 6:30pm 147.180
LAARC (Jasper) Tues Night 8:00pm 147.000
TCARA (Tyler CO) 1st Mon Night 7:00pm 147.220
2M SSB Gathering* Tues Night 8:30pm 144.270
2M CW Net Wed Night 7:30pm 144.160
10M CW Net Fri Night 7:45pm 28.970
10M LAARC Ph Net Wed 8:00pm 28.325 USB

*No longer a net, but a QSO gathering.

Daytime Texas Traffic Net Daily 8:30am 7.285
7290 Traffic Net M-Sat 10am-12N, 1-2pm 7.290
Texas Traffic Net Daily 6:30pm 3.873
Gulf Coast SSB Net Daily 6:30pm 3.925
Delta SSB Net M-Sat 7:00pm 3.905
Ctn Gulf Cst Hurricane Net Daily 8:00pm 3.935
Southwest Traffic Net Daily 9:30pm 3.935
Central Tx Emerg Net Sunday 8:00am 3.910
Louisiana ARES HF Net Sunday 7:30pm 3.873
Texas ARES HF Net Monday 7:30pm 3.873
Texas RACES HF Net 2nd & 4th Sun 2pm 7.255