



SARA Newsletter

April 06

Shreveport Amateur Radio Association

Meeting:

First Thursday of each month at 6:30 P.M. in the Bossier Main Library History Center

Local Amateur Information Available at:

www.K5SAR.com
or
www.qsl.net/nw1arn/

SARA Repeaters:

145.050 - K5SAR

DX Packet Cluster

145.110 - N5FJ

146.700 - K5KDO

146.820 - K5SL

440.900 - N5FJ

SARA
PO Box 37632
Shreveport, LA
71133-7632

2006 Club Officers

President – [Richard Lee, N5PFZ](#)

Vice President – [Paul Blankenship, KD5RUI](#)

Treasurer – [John Stewart, AA5KV](#)

Secretary – [Ellen Dupuy, K5LND](#)

LoTW SUPPORTS WAS

Users of Logbook of the World (LoTW) <<http://www.arrl.org/lotw/>> now may apply their LoTW credits to applications for the League's Worked All States (WAS) award. Once registered and logged in, users may set up a WAS account on the Logbook Awards page, configuring the account to automatically select QSLs to use or selecting them manually via the Your QSOs page.

LoTW is a repository of logbook records submitted by users from around the world. When both participants in a contact submit matching QSO records to LoTW, the result is an electronic "QSL" that can be used for award credit. US Amateur Radio licensees must be ARRL members to apply for the WAS award.

Since its inauguration in September 2005, LoTW has more than 95 million QSO records on file, with nearly 5.15 million QSL records resulting. The system boasts just over 12,000 registered users, and there are more than 18,100 certificates--each representing a particular user call sign--on file.

FAILURE TO RESPOND . . . ENFORCEMENT ACTION

The FCC has held up the license renewal of a New Jersey Novice ticket holder for failing to respond to a Commission field office Citation and a Warning Notice, both dating back several years. FCC Special Counsel in the Enforcement Bureau Riley Hollingsworth told Ronald A. Mondgock, KA3OMZ, of Burlington, that if he did not submit a timely reply to his February 6, 2006, letter, the Commission would dismiss his renewal application and issue a Notice of Apparent Liability for Monetary Forfeiture.

On February 7, Hollingsworth sent a Warning Notice to Frank J. Fatigate, KB2YDO, of Hopewell Junction, New York, for allegedly failing to reply to a complaint the FCC forwarded to him nearly a year earlier. The FCC cited US Postal Service records indicating that Fatigate, a Technician licensee, refused delivery of the Commission correspondence. Subsequent attempts to reach Fatigate yielded no response. Noting that Fatigate had apparently changed his address, the FCC gave him additional time to reply or face a possible fine of up to \$4000.

Hollingsworth said this week that he has yet to hear from either Mondgock or Fatigate.

In another enforcement matter, the FCC wrote Technician licensee Brandon M. Duke, KCOUWS (ex-KC0TKB), of Longmont, Colorado, January 9 advising him of a complaint alleging "deliberate interference and other rule violations on repeaters."

Hollingsworth cautioned Duke that the FCC expected him to abide by requests to steer clear of certain repeaters or face license revocation, a fine or other sanctions. In his e-mail response, Duke said he would refrain from using Boulder Amateur Radio Club repeaters, per the club's written request.

Just a Note: A club does have the right to enforce their own rules as well as those outlined by the FCC. If the club rules include identifying at or near the beginning of a QSO, the FCC will honor those rules even when FCC rules are less stringent. Editor

LA Section Field Day Awards

N5FJ, K5GLS, and N5NVP have agreed to serve on the 2006 LA Section Field Day Awards Committee. If you have any ideas or suggestions for this year's FD awards program, you need to submit them to John, Gary, or Jim immediately.

I've asked the committee to establish some basic award guidelines no later than May 1 so that our clubs will still have time to incorporate the new award rules into their FD plans.

Mickey Cox, K5MC

2006 Young Ham of the Year Award

Nominations are now being accepted for the 2006 Amateur Radio Newline Young Ham of the Year (YHOTY) Award. The award honors a licensee 18 years old or younger who has used ham radio to significantly contribute to the benefit of the Amateur Radio Service, to the state of the communications art, to the community or the nation. This year, nominations are being accepted for Amateur Radio operators living in the US and in the 10 Canadian provinces. Nominations and supporting materials must be submitted before May 30, 2006, on an official application. To obtain a nomination form, send a self-addressed, stamped envelope to 2006 Young Ham of the Year Award, c/o Newline, 28197 Robin Ave, Santa Clarita, CA 91350, or download the form from the Internet <http://www.yhoty.org/YHOTY_2006_Nomination_Form.pdf>. Nominations may be made online using a Web form <<http://www.yhoty.org/2006.htm>>, but supporting materials must be submitted separately. Presentation of the 2006 YHOTY Award will take place in August at the Huntsville Hamfest in Alabama. There's more information on the YHOTY Web site <<http://www.yhoty.org/>>.

A - Index, K - Index, What are they?

A - and K- index: Geomagnetic activity indices, high indices (K:>5 or A:>20) means stormy conditions with an active geomagnetic field. The more active, the more unstable propagation with possible periods of total propagation fade-out. Especially around the higher latitudes and especially at the polar regions, where the geomagnetic field is weak, propagation may disappear completely. Extreme high indices may result in aurora propagation, with strongly degraded long distance propagation at all latitudes. Sporadic-E is strongest during low indices. Low indices result in relative good propagation, especially noticeable around the higher latitudes, when transpolar paths may open up. Maximum K-index is 9, and the A-index can exceed well over 100 during very severe storm conditions, with no maximum. The ARRL often reports the K-index from the Alaskan station where this index is known as the College K-index. Other stations reporting K-indices include Planetary and Boulder. In contrast, the A-indices are usually reported for the Planetary station only.

The higher the K-index, the more unstable propagation becomes, the effect is stronger at high latitudes, but weaker near low latitudes.

When storm level is reached, propagation strongly degrades, possibly fade out at high latitudes.

Classification of K-indices are as follows:

K0=Inactive
K1=Very quiet
K2=Quiet
K3=Unsettled
K4=Active
K5=Minor storm
K6=Major storm
K7=Severe storm
K8=Very severe storm
K9=Extremely severe storm

As with the K-index, the higher the A-index, the more unstable propagation becomes.

Classification of A-indices are as follows:

A0 - A7 = quiet
A8 - A15 = unsettled
A16 - A29 = active
A30 - A49 = minor storm
A50 - A99 = major storm
A100 - A400 = severe storm

Thanks Carl (KB5WMY) for sending this little note. You can get more data from the ARRL Solar Update.

Antenna Cutting Chart

FREQUENCY CUTTING CHART								
RADIATOR			RADIATOR			RADIATOR		
FREQ	RADIALS		FREQ	RADIALS		FREQ	RADIALS	
28.1	99.93	104.93	144.0	19.50	20.48	423.0	6.64	6.97
28.2	99.57	104.55	144.5	19.43	20.40	424.0	6.62	6.95
28.3	99.22	104.18	145.0	19.37	20.33	425.0	6.61	6.94
28.4	98.87	103.82	145.5	19.30	20.26	426.0	6.59	6.92
28.5	98.53	103.45	146.0	19.23	20.19	427.0	6.58	6.90
28.6	98.18	103.09	146.5	19.17	20.13	428.0	6.56	6.89
28.7	97.84	102.73	147.0	19.10	20.06	429.0	6.55	6.87
28.8	97.50	102.38	147.5	19.04	19.99	430.0	6.53	6.86
28.9	97.16	102.02	148.0	18.97	19.92	431.0	6.52	6.84
29.0	96.83	101.67				432.0	6.50	6.83
29.1	96.49	101.32				433.0	6.48	6.81
29.2	96.16	100.97	220.0	12.76	13.40	434.0	6.47	6.79
29.3	95.84	100.63	220.5	12.73	13.37	435.0	6.46	6.78
29.4	95.51	100.29	221.0	12.71	13.34	436.0	6.44	6.76
29.5	95.19	99.95	221.5	12.68	13.31	437.0	6.43	6.75
29.6	94.86	99.61	222.0	12.65	13.28	438.0	6.41	6.73
29.7	94.55	99.27	222.5	12.62	13.25	439.0	6.40	6.72
29.8	94.23	98.94	223.0	12.59	13.22	440.0	6.38	6.70
29.9	93.91	98.61	223.5	12.56	13.19	441.0	6.37	6.69
50.0	56.16	58.97	224.0	12.54	13.16	442.0	6.35	6.67
50.5	55.60	58.38				443.0	6.34	6.66
51.0	55.06	57.81				444.0	6.32	6.64
51.5	54.52	57.25				445.0	6.31	6.63
52.0	54.00	56.70				446.0	6.30	6.61
52.5	53.49	56.16				447.0	6.28	6.60
53.0	52.98	55.63				448.0	6.27	6.58
53.5	52.49	55.11				449.0	6.25	6.57
54.0	52.00	54.60				450.0	6.24	6.55

From: Kc5tmv
Sent: Wednesday, March 22, 2006 1:54 AM
To: Kk5uu; WB5DON
Subject: Antenna Cutting Chart

Here's an Antenna cutting chart i cut out of Amature Trader magazine a couple yrs. ago....but i think they went out of business. It may be of some use for those that like to build their own antenna's. I cut the chart out of the Magazine then scanned it.

Cheers.....**KC5TMV**

PS: I made my first 2 meter ground plane antenna from this chart and used it for 2 yrs. on 30 ft. of fence rail pipe. Worked great.....could even reach 146.640 Longview repeater with itnot too shabby for a 1/4 wave.

Thanks Carl. If anyone wants higher resolution, send me email.

Heard on TowerTalk Reflector

From: Ricky Scott
Sent: Thursday, March 09, 2006 2:49 PM
To: towertalk
Subject: [TowerTalk] Cost of installing a tower.

OK. Cost of concrete and tower. What else goes into a tower... my head is swimming in numbers.

From: towertalk
Sent: Thursday, March 09, 2006 2:49 PM
To: Ricky Scott
Subject: RE: [TowerTalk] Cost of installing a tower.

Numbers based mainly on my Trylon tower experience in 2001:

- | | |
|--|---|
| 1. Concrete, delivered and emplaced: | \$75/cuyd. |
| 2. Rebar, appr. 200 lbs, plus tie wire: | \$100 |
| 3. Framing lumber for concrete cap: | \$20-\$60 |
| 4. Crane rental to erect tower (I stick-built mine, though): | \$300-\$500 |
| 5. Chrome-moly mast, 2 inch OD, 1/4 inch walls: | \$5-\$10/ft length plus shipping |
| 6. Top mast bearing: | \$50-\$75 |
| 7. Antennas: | X x \$? (X = no. of antennas) |
| 8. Coax cable and connectors: | \$1/ft x X |
| 9. Rotator and controller plus control cabling: | \$350-\$600 |
| 10. Lightning arrestors: | \$50 x X |
| 11. Grounding system (rods-conductor-clamps-etc): | \$400 |
| 12. Misc hardware, connectors, etc: | \$100 |
| 13. Liquid refreshments/lunch for ground crew: | \$25-\$50. |

Having a top-notch crop of aluminum and steel in the back yard: Priceless!

GL es 73 de

Gene Smar AD3F

P.S. Don't forget to consider a remote antenna switch, enclosure and shunt-feed capacitor(s) for loading the tower/antennas on 160/80M.

Hurricane Season Begins June 1st

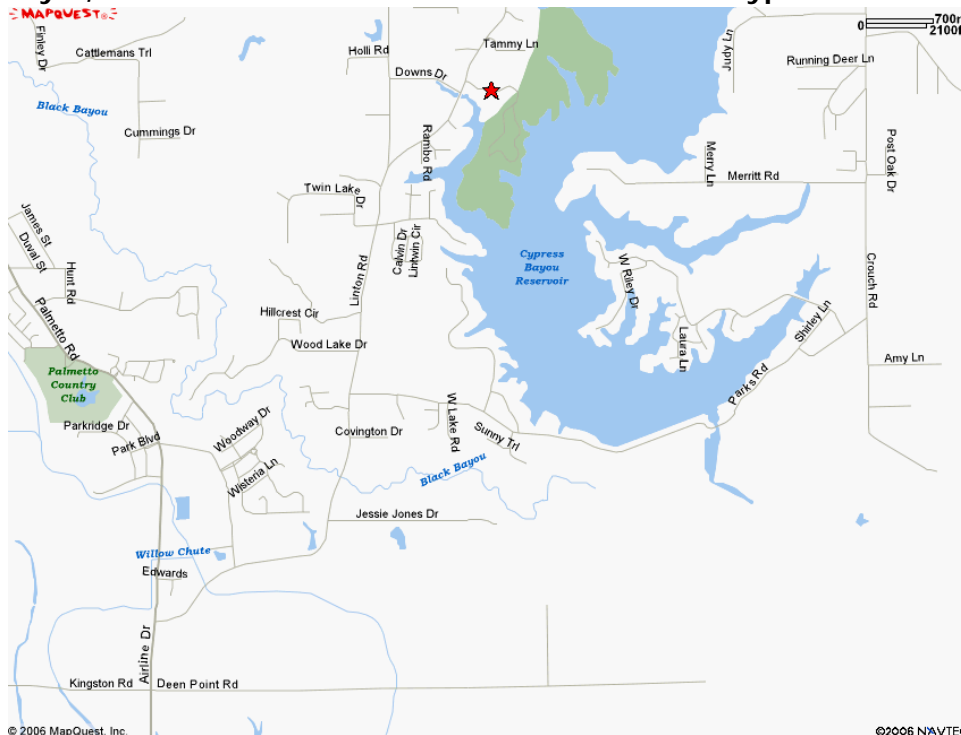


Will you be ready?

Fifth Annual A.R.C.O.S. Cookout & Tailgate Party

May 6, 2006 – 10 AM to 4 PM

Cypress Black Bayou Recreation Park



**Free Food –
Everyone Welcome!**

Talk In on 146.670.

**Bring your lawn
chairs**

**1st Prize – Icom IC-
V8000 2-Meter**

**2nd Prize – Yeasu
VX-170 2-Meter**

Tickets \$1 Each

**Robert (N5GHJ) –
(318) 965-9144**

**Kelly (KD5SPO) –
(903) 687-2899**