

MAY 27, 2009 No.341



The

# BARN



## MAY

### MEETING

The Beaumont Amateur Radio Club will hold this month's meeting, at 7:30 PM Monday, May 31, 2010 at Wesley Methodist Church, 3810 N. Major Drive (at the end of Folsom Drive) in Beaumont. This month's meeting will feature presentation by Mike, N5KBW on the hows and whys of mobile installations and operations. Also expected, is an update by John, W5EME on the clubs balloon project.

### CONTENTS

Editorially Speaking	2
Ham Happenings	3
From the Internet	4
Ham Information	5
Local Repeater Freq.	2
Club Directory	6

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## MOBILE INSTALLATIONS AND OPERATIONS UNRAVELED AT THIS MONTH'S MEETING.

Mike Fauchaux, N5KBW will help demystify Ham Radio Mobile Installations for us at this month's meeting. Mike has been doing and maintaining radios in mobile environments since his early days of CB radio operations and has moved to some serious mobile Ham Radio installations over the years. He is very well versed in just about all aspects and areas of radios in vehicles. He will fill us in on what you should and shouldn't do with your radio when you want to go mobile.

So if you want to be in the know, come on out to this months meeting.

You can also expect an update report on the club's balloon launch project as well as a chance to meet with old friends and a chance to buy some 50/50 door prize tickets.

Several excellent reasons to be at this next meeting.

## Editorially Speaking

ARRL Field Day is June 26-27, 2010

ARRL Field Day is the largest on-the-air operating event in Amateur Radio. It draws tens of thousands to the airwaves each year, bringing new and experienced hams together for a weekend of fun!

2010 Field Day Supplies

Official T-shirts, participation pins, hats and coffee mugs are available for order now!

Learn More (<http://www.arrl.org/shop/Field-Day-Supplies>)

The ARRL Field Day Handbook

The ultimate guide for Field Day enthusiasts! This book includes everything you need to participate in this annual event: rules, log sheets, band charts, antenna projects and more.

Learn More (<http://www.arrl.org/shop/ARRL-Field-Day-Handbook/>)

You can be a part of the Local FD 2010 at the JCARC club house by helping and participating at Boston and 10th St, Nederland.

## Local Repeater Frequencies and Access Codes...

52.525 6 Meter FM National Calling Frequency

145.010 BPT (W5SSV) Packet

145.050 Packet

145.070 Packet

145.210 S.W.L.A.R.C. (W5BII, pl 103.5)\*

145.230 B.T.A.R.C. (N5BTC, pl 103.5)\*

145.470 J.C.A.R.C. (pl 103.5)\*

145.350 Sulphur A.R.C. (KC5PNH, pl 103.5)\*

146.450 Mid County Simplex

146.520 National Simplex

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. (SW Lynx Link) pl 107.2\* *Temporarily Down*

146.860 Port Arthur (WD5GJP) pl 103.5

146.980 H.A.M.S. (Devers, N5FJX, pl 103.5)\*#

147.060 DuPont (AA5P, pl 103.5)

147.180 Orange A.R.C. (W5ND, pl 103.5)\*

147.300 Mobil Oil (W5XOM) (pl 103.5)\*

147.340 B.A.R.C. (W5RIN, no Patch, no PL) Down

147.420 Simplex

224.920 Devers (KA5QDG)

442.575 Devers (KA5QDG, pl 103.5) Down

444.500 Beaumont-(WB5ITT, pl 100.0) Down

444.700 B.A.R.C. (W5RIN, (Salt Grass) pl 107.2)

444.900 Mobil Oil (W5XOM, pl 103.5)

\* Denotes transmitted PL tone. # Denotes echo link.  
from J.C.A.R.C. Mic & Key

(There is no longer a phone patch on the 147.340 repeater.)

## June 2010 Monthly Planner

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																																									
		1	2 JCARC Net 8pm 145.470 PI 103.5 Followed by the ARES Net	3 <i>BARC Net</i> 146.700 8pm	4 OARC Meeting 7:30 pm Orange ARES 6:30 pm	5 Orange ARES Net 147.180 6:30pm <b>Spindletop Spin Bike Ride 7am Bmt</b>																																																																																																									
6	7 Bmt E-Board 7:30 pm	8 <b>JCARC Meeting 7:30 pm</b>	9 JCARC Net 8pm 145.470 PI 103.5 Followed by the ARES Net	10 <i>BARC Net</i> 146.700 8pm	11	12 Orange ARES Net 147.180 6:30pm																																																																																																									
13	14 <b>Red Cross Meeting 6:00 pm</b>	15 <b>Monthly Eating Social &amp; Birthday Dinner 7 pm The Texas Cattle Co 5055 Eastex Frwy Bmt</b>	16 JCARC Net 8pm 145.470 PI 103.5 Followed by the ARES Net	17 <b>ARES 7:30 pm</b> <i>BARC Net</i> 146.700 8pm	18	19 BTARC Breakfast Mama Jack's Kountz 8 am Orange ARES Net 147.180 6:30pm Q CWA Lunch 12 Noon																																																																																																									
20	21	22	23 JCARC Net 8pm 145.470 PI 103.5 Followed by the ARES Net	24 <b>Balloon Meeting 7:30 pm JCARC Clubhouse</b> <i>BARC Net</i> 146.700 8pm	25	26 <b>Field Day 10 am Lunch at 1pm</b> Orange ARES Net 147.180 6:30pm																																																																																																									
27 <b>Field Day until 1pm</b>	28 <b>BARC Meeting 7:30 pm</b>	29	30 JCARC Net 8pm 145.470 PI 103.5 Followed by the ARES Net	<table border="1" style="display: inline-table; margin-right: 20px;"> <thead> <tr><th colspan="7">May</th></tr> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td>31</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <table border="1" style="display: inline-table;"> <thead> <tr><th colspan="7">July</th></tr> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr> <tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr> <tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr> <tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr> <tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr> </tbody> </table>			May							S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						July							S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
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# Surfin': Hammin' at the Hamvention®

By Stan Horzepa, WA1LOU

Contributing Editor

May 21, 2010

This week, Surfin' recalls the hits and misses at the 2010 Dayton Hamvention.

I attended the Dayton Hamvention last week. The weather and turnout was good, but the convention is so big that attendees (including me) run out of time (or gas) and never see the whole event.

To see what you and I missed, Keith Zeringue, W4KAZ, compiled a comprehensive list of Web pages where you can view photos, videos and blog posts related to the 2010 edition of the Hamvention. Visit Keith's 2010 Hamvention Blogroll to virtually visit the big show in Dayton. And if you are aware of anything absent from Keith's list, let him know and he will add it if it is appropriate.

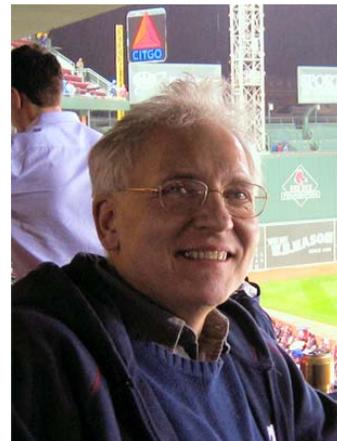
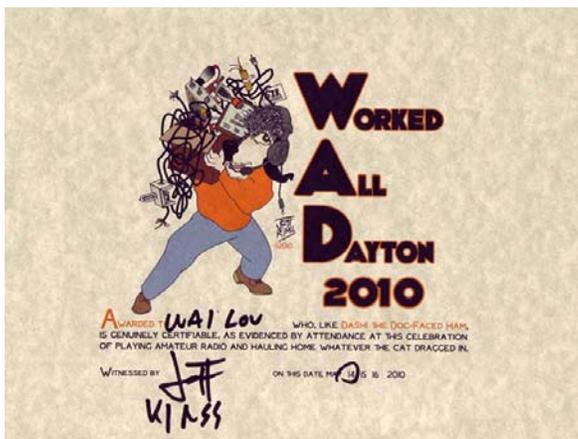
Although I did not see everything, one booth I made sure to visit was Jeff Murray's, K1NSS, Dashtoons booth. I have written about Jeff and his Dashtoons here before and raved about his book -- I did not want to miss an opportunity to meet him in person.

Jeff's booth featured his new book, *Sky Buddies*, which, by the way, is as enjoyable as his first book; he also had some cool freebies to giveaway to promote his product. One freebie was a Worked All Dayton certificate awarded to anyone "who, like Dash! the dog-faced ham, is genuinely certifiable as evidenced by attendance at this celebration of playing Amateur Radio and hauling home whatever the cat dragged in." Keeping in the spirit of the Dashtoons canine theme, another freebie that Jeff proffered was a sequentially-numbered dog bone insulator!

I enjoyed meeting and chatting with Jeff and recommend visiting his Ham Radio Cartoons Web site to learn more about Jeff and his wacky work.

Until next time, keep on surfen'!

*Editor note: Stan Horzepa, WA1LOU, was definitely influenced by working at a comic book factory for many years; positively or negatively is still a matter of debate. To contact Stan, send him e-mail via [wa1lou@arrl.net](mailto:wa1lou@arrl.net) or add comments to his blog.*



## Amateur Community Needed to Assist Japanese Amateur Interplanetary Satellite

An informal network of ham radio experimenters, scientists and CW enthusiasts called FlyVenusCom -- a nonprofit, cross-cultural effort -- has been created to support communication efforts by Japanese scientists with its CubeSat Venus probe, [UNITEC-1](http://www.arrl.org/news/unitec-1-on-the-way-to-venus). (<http://www.arrl.org/news/unitec-1-on-the-way-to-venus>)

UNITEC-1 was developed by 20 universities of the University Space Engineering Consortium ([UNISE\(<http://www.unisec.jp/flash/index-e.html>\)](http://www.unisec.jp/flash/index-e.html)

[C](#)), the Japanese community developing nano-satellites. Specifically, the Japanese UNITEC-1 team has called for ham radio assistance worldwide in improving and testing two areas of the CubeSat's mission:

- Technologies to receive and decode very weak and low bit rate signal coming from deep space.
- Technologies to estimate orbit and signal Doppler shift of the satellite based on the received RF signal, essential for tracking and receiving signals from a satellite in deep space.

Bill Vartorella, KJ4ORX, is spearheading the informal FlyVenusCom effort: "The wave of the future is increasingly small, inexpensive, private and non-profit enterprise satellites. The trade-off is many of these satellites will not have sufficient power for robust communications. Weak signal challenges and research publications have been the hallmark of ham radio since at least the 1920s. What should spur ham interest is that UNITEC-1 will transmit an Amateur Radio telemetry beacon at 5.840 GHz. 'Big dish' participation is already beginning to gel, but monitoring and reporting the signal is just part of the equation."

Vartorella said that the signal from UNITEC-1 is mainly a CW beacon of about 1 bps speed. "It would also be possible to duplicate the received signals from several antennae to make the signal-to-noise ratio higher, so that we can decode the signal from UNITEC-1 while flying further away from the Earth. This experiment can also be performed in a competition style. We would greatly appreciate it if radio amateurs would propose interesting experiments or competitions, making the most of the UNITEC-1 launch and operation opportunity."

At the core is the Japanese consortium's emphasis is that this is the first university-developed interplanetary satellite -- as well as the first amateur interplanetary satellite -- that will provide what Vartorella called "a unique and exciting opportunity for the radio amateurs all over the world to enjoy reception of signals from deep space. Not many of us have either a big dish in the back yard or access to one. With FlyVenusCom, we're trying to engage the broader Amateur Radio community for ideas, experiments, and weak signal 'homebrew' experience to help not only the Japanese students' efforts, but the potential creation of disruptive technologies that will evolve into shareware for all of us."

Vartorella said that FlyVenusCom is intended to serve as an informal portal or clearinghouse for dissemination of information for the Japanese team at Tokyo University, as well as a discussion list of challenges, innovations and next steps: "There is already shareware available for weak signal, and the Japanese are proffering support information. This is also a great opportunity for the CW community worldwide to show off their talents and innovative ideas. Vartorella said he is especially interested in one-page research suggestions that can be forwarded to the UNITEC-1 team at Tokyo University. Those interested in UNITEC-1 and suggesting research ideas, competitions or other approaches on a listserv, may contact Vartorella via e-mail at [globebiz@juno.com](mailto:globebiz@juno.com) or at William F. Vartorella, PO Box 1376, Camden, SC 29021 USA.

# The BARN

A Publication of the  
**BEAUMONT AMATEUR RADIO CLUB**  
 P.O. Box 7073 Beaumont, TX 77726



## Club Directory...

### BEAUMONT AMATEUR RADIO CLUB OFFICERS

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### MEMBERSHIP INFORMATION

- |                                                       |         |                |
|-------------------------------------------------------|---------|----------------|
| <input type="checkbox"/> FULL MEMBERSHIP.....         | \$20.00 |                |
| <input type="checkbox"/> ADDITIONAL FAMILY MEMBER.... | 5.00    | (ANNUAL RATES) |
| <input type="checkbox"/> BARN SUBSCRIPTION ONLY.....  | 7.50    |                |

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