

# DELTA AMATEUR RADIO CLUB

# SPARKS

P.O. BOX 750482 MEMPHIS, TN 38175-0482 / VOL. 17 / JUNE, 2005



Welcome  
to the

**Delta Amateur Radio Club!**

Visit our home on the web at: <http://www.deltacub.org>

**W4BS**  
**REPEATER**  
**SYSTEM**

146.82, 147.36,  
224.42, & 443.2

## JUNE 2005 CLUB MEETING

**DATE:** June 14, 2005 ( 2nd Tuesday - be there )

**PLACE:** Bartlett Hills Baptist Church,  
4641 Ellendale Rd.in Bartlett

**TIME:** 7:00 PM

**PROGRAM:** Field Day, Ben KU4AW

**VE TESTING:** Don't forget the monthly Volunteer Examiner testing session. Registration begins at 5:30 P.M. and testing begins promptly at 6:00 P.M. Please remember to bring **two forms of identification** and **copies of any existing licenses or CSCE's** you might have. The ARRL FEC exam application is \$14. Please be on time for registration, as you will not be allowed to enter the testing session after 6:00 p.m. This is to allow our volunteer VE team to finish in time to attend the club meeting. For more VE testing information contact...

Joan Thorne, KN4PM, VEC  
Phone: 901-737-5795  
E-mail: [joanthorne@bellsouth.net](mailto:joanthorne@bellsouth.net)

**Please Remember: Deadline for Reports and Articles for the next issue of SPARKS is Friday, June 30th. All articles MUST be in to me by the deadline in order to be published in the next issue. Please forward all articles and items of interest to:**

[paulsonrj@bellsouth.net](mailto:paulsonrj@bellsouth.net)

## PRESIDENT'S CORNER

From President Ned Savage

Summer is here and many are planning outings and other activities. We in the Delta Club are doing the same.

Field Day 2005, is on June 25, & 26, and again this year we will be set up in Freeman Park, Bartlett, TN. Freeman Park, for our new Hams, is located off of Sycamore View Road south of where it becomes Bartlett Road, and on the west side of Sycamore View. We will be in the area just to the right when you enter the Park's Drive. We are using the gazebo as a station with several other stations set up in area around it. We always have lots of fun, good food, and good fellowship, so COME ON OUT & STOP BY.

At our meeting this month, we will be querying the members present as to what type of radio they might want to win at our annual November Meeting. We will take

these suggestions and try to work the best deal for the club.

The Mid-South Amateur Radio Association is putting together another Bus Trip to the Huntsville, AL Hamfest, which is Aug 20<sup>th</sup> & 21<sup>st</sup>. If it is the same as last year, the bus will leave Bartlett, TN, about 6 AM on the 20<sup>th</sup>, and return to Bartlett by about 8 PM. If anyone is interested in this opportunity contact Tony WA4KHN at our meeting. The price is very reasonable, now that the gas prices are so high, and the bus can carry more and larger "stuff" back.

HOPE TO SEE YOU AT THE MEETING on June 14<sup>th</sup>, and/or at FIELD DAY Weekend.

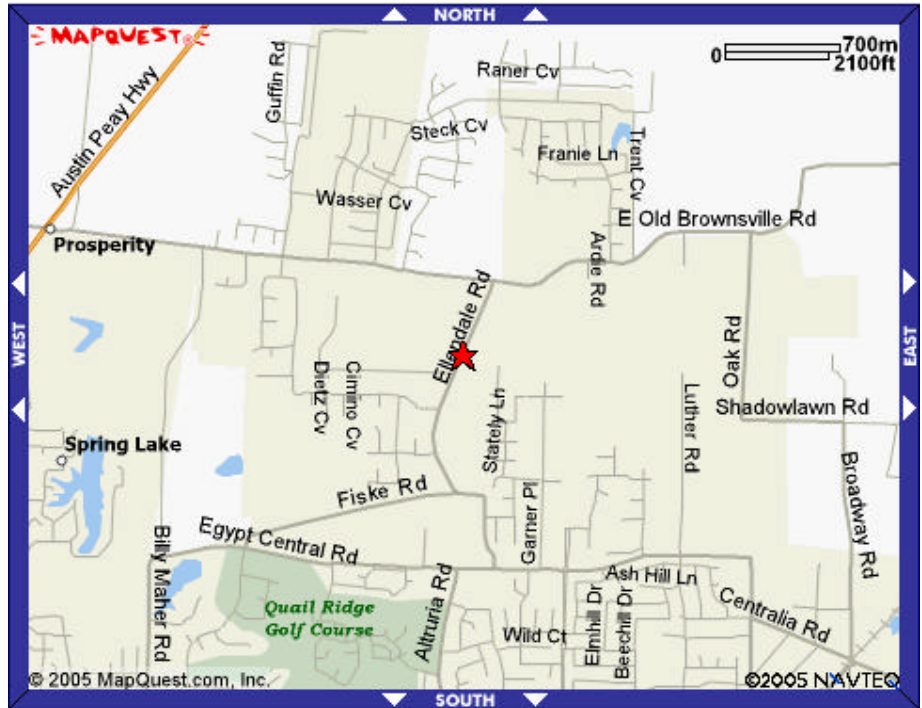
NED KA4BLL

**MEETING LOCATION CHANGED FOR JUNE**

Due to conflicts with the VBS program at Ellendale Church of Christ, we will be meeting this month at the Bartlett Hills Baptist Church, 4641 Ellendale Rd.in Bartlett.

Bartlett Hills Baptist is on the southwest corner of Ellendale and Old Brownsville. There are several ways to get to the church, a few are:

From Raleigh north on Austin Peay, go north to the light at Old Brownsville go east/right toward Bartlett and you will pass Billy



Maier and a new subdivision being built on the right, the next road is Ellendale and you can see the church from the road

From north on Kirby Whitten come to Egypt Central go west to the right only lane and north on Ellendale. Stay on Ellendale until you see the church on the left just past the ball fields.

From north on Billy Maier go to the T intersection of Old Brownsville and then go east / right past a new subdivision being built on the right, the next road is Ellendale and you can see the church from the road.

From Germantown road and Old Brownsville go west until you get to Ellendale and you will see the church on the right.

We will be meeting in the Fellowship hall which is on the back side of the church. You can park in the front and walk through or come around to the back an park there and enter the Fellowship hall doors.

VE testing will be available at the meeting and the location within the church will be posted at front and rear entrances.

For information you can call on the 82 repeater: Lis a KI4DIL 872-3367, Ned KA4BLL, Tommy KD4TJO, Eddie KF4QFW

**DARC BOARD MEETING  
May 3, 2005**

Ned Savage, KA4BLL called the meeting to order at 7:03 p.m. Seven members were present as follows: KA4BLL- Ned, KK4D-Darrell,

KG4VAW-Bill, KI4DIL-Lisa, KG4OLG-John, K4KCU-Roger, and N2LAZ-Dean.

KA4BLL-Ned called for the secretary's and treasurer's reports. Neither were available and a motion was made to forego them. KK4D seconded.

KK4D-Darrell reported on the status of the tower trailer repairs.

There was no old business discussed.

#### **New Business:**

KA4BLL-Ned gave a report on Walk America at Shelby Farms. He advised that we needed to get volunteers for the Triathlon in Millington.

KG4OLG-John gave report on his plans for training and testing.

KA4BLL-Ned reported that Dixiefest was profitable this year.

The DARC Board voted to accept 2 new members.

KG4VAW-Bill had prepared treasurer's report as the meeting progressed and read it to the board.

The DARC Board decided it would not mail out SPARKS and that we would hand out the club roster and repeater instructions at the June general meeting. We voted to mail this information to the current members who could not make the June general meeting.

KA4BLL-Ned adjourned the meeting at 8:00 p.m.

Respectfully submitted by:

KI4DIL-Lisa Sheffield  
DARC Secretary

### **DARC MEMBERSHIP MEETING May 10, 2005**

KA4BLL-Ned Savage called the meeting to order at 7:15 p.m. with introductions of the membership present. There were 32 members signed in and 2 new applicants present.

KA4BLL-ned turned the meeting over to the KD4TJO-Tommy to introduce Scott Rice to present the evening's program. Scott gave the membership a description of his job as Coordinator of the Regional hospitals. He coordinates and trains volunteers for the hospitals to have on call in case of a bio-terrorism attack. He went over the list of opportunities available and advised they need lots of volunteers. You can find this information at [www.shelbybtvolunteers.com](http://www.shelbybtvolunteers.com). WA4OVO-Joe advised the membership to contact him if you would like to volunteer to be a ham operator for a hospital in the area in a time of crisis.

KD4TJO-Tommy presented a video on the toy drive we participated in for the children in Florida for Christmas. He also presented a video clip on the

importance of the ham operators after the tsunami hit India.

At 8:00 p.m. Tommy turned the program back to KA4BLL-Ned who called for a recess for 5 minutes.

When the meeting resumed, W4OQG-Pat requested for members to join the MARS event that was to take place May 14. KD4TJO-Tommy also called for volunteers for the Memphis in May Triathlon in Millington on May 22, 2005. He then presented KK4D-Darrell with Krispy Kreme Donut cook's hat.

KA4BLL-Ned then called for the April secretary's minutes to be read. KI4DIL-Lisa read them to the membership. W4OQG-Pat motioned to accept minutes as read and KB4SQV-Bill seconded.

KA4BLL-Ned then called for the treasurer's report which KG4VAW-Bill read to the membership. KC4SXT-Bill motioned to accept and KF4NDH-Bob seconded.

KA4BLL-Ned then turned the meeting over to KU4AW-Ben to report on plans for this year's field days at Freeman Park on June 25 and 26.

AB4NH-Tim Morris won the door prize.

KA4BLL-Ned adjourned the meeting at 8:30 p.m.

Respectfully submitted by:

KI4DIL-Lisa Sheffield  
DARC Secretary

### VE REPORT

Joan,

This is Steven Hicks, KC5JVH, in North Little Rock, Arkansas. I'm the guy who took the code test last Saturday on a laptop computer.

I am sending a brief note to say thanks for being such a kind and accommodating VE last Saturday. You and your fellow VEs eased the stress and made the whole experience very enjoyable. Also, thanks for not letting me "back-out" due to the noise in the room, the overhead door, etc.

During the written exam, I was constantly thinking, "...gosh with all this racket, I will make a fool of myself if I attempt to pass the code here". That might have been why I did no better than 31/35 on the test because, when I went back to the book at home, I realized that I just made foolish mistakes on one or two of the wrong answers. I had been simulating at 33, 34 and 35 out of 35 in recent days.

Again, thanks for encouraging me to go ahead with the code test.

Thank you to the following VE's for their assistance at the May testing session:

Bill KC4SXT, Francis WA4ZYN,

Ned KA4BLL, Ray N4ARH,  
Richard AI4BN, Rick KE4NTI

Congratulations to the following:

Cecil Crowder KI4JRU  
Technician

Dan Day WE4GOD (formerly  
KI4JRM) General

Emmett Ward KI4KDR  
Technician

Next testing session is June 14th.

Joan KN4PM  
ARRL VE Liaison

### How To Find The International Space (ISS) Station In The Sky

To find the information for tracking satellites, use the website <http://www.heavens-above.com>. It will tell you when the satellites are going to be visible. You can also use this website to help spot the ISS from the ground. Yes, you can actually see the ISS from the ground, when the weather is clear and there are no clouds!

Here is how to use the website, to find the time, location, and how bright the ISS will be in the sky. I'll have to admit, the ISS looks like an airplane flying over with it's landing lights on, but it is amazing that it's big enough to see, and it can be easily identified. The ISS has no light's on-board it at all. It is totally dependent upon the sun's reflection. That is why most of the visual sightings should be

attempted early in the morning, or late in the evening. The best way to identify the ISS is to remember that airplanes have a flashing light and the ISS has no flashing lights, and it travels a lot faster.

To accomplish this awesome feat, go the <http://www.heavens-above.com>. Here is how to put in your location to give you accurate information for the sighting:

1. Click on "Select". This will bring up a country list.
2. Scroll down toward the bottom of the page and click on United States of America. That will bring up your next selection, the town where you live.
3. Enter the nearest town where you live, not the state. If you live within 20-30 miles of a large city, use that name, it will be close enough. If you live in Memphis, TN, just type in Memphis.
4. Click on "Submit", this will list all the Memphis's in the USA. Select Memphis, TN. This will return you to the main page.
5. Now, look under "Satellites" heading for the 10 day predictions.
6. Select the highlighted ISS. You will see a chart with up to 10 days visual pass predictions. This chart will have the time, and the location in the sky.
7. The chart will tell you the:

**FROM THE  
ARRL WEBPAGE**

**DAYTON HAMVENTION  
AND ARRL 2005 NATIONAL  
CONVENTION A  
WINNING COMBO**

By all accounts, Dayton Hamvention and the ARRL National Convention/ARRL EXPO 2005 represented the best of times for all involved--perhaps especially for the Amateur Radio community. The League's 2005 convention was like no other that came before. For the first time, the ARRL virtually took Headquarters on the road, making available in the ARRL EXPO 2005 area all of the League's core activities, plus live demonstrations and mini-forums on a variety of topics. To those who've never made the trek to Newington, ARRL EXPO 2005 was a chance to see the League in action firsthand, showcasing public service, advocacy, education and membership. Perhaps ARRL Vice President Kay Craigie, N3KN, said it best when she called it "an unconventional convention."

"This was the most exciting ARRL National Convention I've attended in my 22 years as a League member," said Craigie, adding that ARRL EXPO showed members what the League has to offer in a fresh, dramatic, participatory way. Craigie was not alone in her hope that the 2005 ARRL National Convention represented the beginning of a trend.

ARRL CEO David Sumner, K1ZZ, put it another way in his "It Seems to Us . . ." editorial set to appear in the July 2005 QST: "A common comment was along the lines of, 'Now I understand the scope of what the ARRL is doing for me and other amateurs,'" he wrote.

All in one place--in the ARRL EXPO 2005 area in Hara Arena's Ballarena--visitors could come face-to-face with HQ staffers and volunteers representing the ARRL Education and Technology Program, youth activities, clubs and mentoring, DXCC, development, spectrum defense, the ARRL Technology Task Force, the ARRL VEC and much more. And they did! Of course, they also could sign up to become League members, renew or extend current memberships and--as a few did--become ARRL life members. This year, more than 900 visitors--a record number--joined ARRL during Dayton Hamvention.

The League's "retail center"--a large, square counter space that greeted visitors as they entered ARRL EXPO 2005--remained busy throughout the weekend. ARRL Customer Service/Circulation Manager Kathy Capodicasa, N1GZO, said it was fortunate she and her staff thought to pack additional inventory for the convention.

"That area was busier than I ever remember over my last 17 Hamventions!" she said. "The

- a. Time when it will come over the horizon (Starts) and the time it will disappear (Ends) over the horizon.

Example: 18:00 is 6:00 PM. And 1:00 is 1:00 AM in the morning.

- b. "Alt" will tell you how high in the sky it will be, or elevation in degrees above the horizon.
- c. "Az" is the direction from where you are standing, from direction (Start) and to direction (Ends).
8. The MAG is how bright the ISS will be. The lower the number, the brighter the object.
- a. Example: A 2.4 is not very bright. There is small likelihood that you will be able to see it with an indication of a 1.0 or lower. A prediction of -1.5 is a very bright pass and you should be able to see it without too much difficulty.

Besides the ISS, you may want to investigate several other facets of interesting information on the heavens-above website. I hope you can use this information to actually see the ISS as it passes over. There is also an Amateur Radio station aboard the ISS, most of the time it is on packet radio at 145.800 Mhz. But there are times that the astronauts will talk to schools, and even individual amateur radio stations. So if you can't see the ISS, at least you can hear it go over on the radio and maybe even talk to one of the astronauts if you are really, really, really, lucky.

David Campbell  
KD4NOQ

crowds on Friday and parts of Saturday were perhaps the largest I have ever seen." The retail center itself was double the size of what the League typically sets up at Dayton Hamvention. "We pulled into the sales booth every available ARRL official, staffer and volunteer for staffing assistance," Capodicasa noted. At its usual concession area in North Hall, the League maintained a sales counter and "Relaxation Station," where Hamventioners could socialize or just sit down and take a break.

The mini-forums on the ARRL Stage at ARRL EXPO 2005 proved popular. Running about 20 minutes each, the illustrated talks covered virtually every interest area within the broad spectrum of Amateur Radio.

One big hit--and something entirely new and different for ARRL--was being able to get your picture on the cover of QST for a modest fee. ARRL staffer Dan Wolfgang and Lieska Motschenbacher--wife of Dennis, K7BV--paired up, shooting upward of 200 faces to place on one of several QST front-cover formats--from vintage to modern.

"Everybody told us what a wonderful idea this QST cover photo booth was, that they hoped we would do it again, and how nice the result was," Wolfgang recounted afterward. "It was definitely a big hit."

The weather cooperated by and large. Fog and drizzle early on opening day gave way to merely

overcast skies with occasional sunshine throughout the remainder of the weekend. Moderate temperatures made things comfortable and congenial outside and inside Hara Arena.

Every year, Dayton Hamvention visitors speculate on the size of the crowd, typically in the vicinity of 25,000. Hamvention General Chair Gary Des Combes, N8EMO, says attendance was up.

"We have done a second rough count on the tickets sold alone, and we definitely were up from last year," Des Combes told ARRL this week. "Virtually everywhere I turned people were happy."

Manufacturers typically take advantage of Dayton Hamvention to debut their new gear. Some highlights:

- Yaesu (Vertex-Standard) had the three versions of its FTdx-9000 series of high-end transceivers on display.
- Icom featured its new IC-7000, which resembles the extremely popular--and still available--IC-706, although it's a bit shorter and features IF DSP filtering and a multicolor TFT display.
- SGC showed off its "Mini-Lini," a 500 W class-E amplifier that fits in your hand and weighs approximately four pounds with the ac supply! It uses plug in band modules and

comes with one for 20 meters.

- Brian Wood, W0DZ, who made the real cover of QST in January 2004 with his DX-100, has formed a new company selling Heathkit-style kits that flatter the originals right down to the yellow-covered manuals. His first major offering is the Sienna high-end HF transceiver.

Sumner expressed the League's gratitude to the Dayton Amateur Radio Association and HamventionR Committee for hosting the 2005 ARRL National Convention. "This event has exceeded our expectations in so many ways, due in large part to the volunteers that make Hamvention the 'Greatest Amateur Radio Show on Earth,'" he said. "We thank each and every one of you."

#### ARISS SEEKS SCHOOL PARTICIPATION IN "SUITSAT" PROJECT

Plans are on the fast track to deploy a surplus Russian Orlan spacesuit this fall as a non-traditional satellite. Dubbed "SuitSat," the Amateur Radio on the International Space Station (ARISS) project could become the most unusual Amateur Radio satellite ever orbited. Now, an ARISS-US proposal will provide an opportunity for schools to participate in the SuitSat enterprise. To be launched during a spacewalk, SuitSat will carry an Amateur

Radio transmitter that will send voice greetings to commemorate the 175th anniversary of Russia's Bauman Moscow State Technical University. Other message possibilities remain under discussion. ARISS got permission from the ISS Program Office in May to go forward with delivery of the SuitSat project, and schools now will have the chance to take part through what's being called "School Spacewalk." ARISS International Chairman Frank Bauer, KA3HDO, says the idea is to have schools around the globe provide a page of artwork that will fly inside SuitSat.

"The ARISS team has received permission to include a special compact disk onboard this spacesuit with school artwork included," Bauer said. "As a result, participating schools will have an opportunity to 'fly' their artwork as part of the spacewalk."

Schools that want to get onboard must act fast, however. ARISS wants a single 8-1/2 by 11-inch page of artwork that "uniquely represents your school" by June 15--so time is tight. Schools may deliver their artistic contributions electronically in JPEG format, with the file size not to exceed 2 MB. No other file formats can be accepted.

"This could be an artist's representation of the school, a list of student names, student signatures, a school science project summary or a school mission patch," Bauer explained. "This artwork should be primarily

developed by the students. The goal is for you to use your imaginations."

Hard-copy artwork can be mailed to School Spacewalk, c/o AMSAT, 850 Sligo Ave, Suite 600, Silver Spring, MD 20910-4703. JPEG images using the naming format **schoolname\_location.jpg** may be e-mailed to **schoolspacewalk@comcast.net**.

Artistic contributions to fly aboard SuitSat will be put onto a compact disk that will be delivered to Russia later this month. It will go into space as part of the cargo on a Progress supply rocket flight now set for August.

"The ARISS team looks forward to your artwork and is pleased to provide this opportunity to school students around the world," Bauer said. "On behalf of the ARISS team, we look forward to some real excitement as SuitSat gets ready for deployment this fall." Bauer says ARISS will be releasing additional details about SuitSat in the near future.

ARISS-Russia's Sergei Samburov, RV3DR, proposed the SuitSat concept at last fall's ARISS International Team meeting, quickly sparking a wide-ranging brainstorming session among the delegates. With diminishing stowage space aboard the ISS, several Russian Orlan spacesuits used for spacewalks have been declared surplus. Samburov's notion was to have an ISS crew equip one of them as an Amateur

Radio satellite--possibly including a camera in the helmet area--and launch it during a space walk.

A second Orlan space suit is expected to become available for possible deployment as a temporary satellite in 2007.

ARISS says plans call for launching SuitSat during a spacewalk currently planned for mid-September. Once deployed, SuitSat is expected to orbit the planet for several weeks before burning up when it enters Earth's atmosphere.

A summary of the "School Spacewalk" project is available on the AMSAT Web site <http://www.amsat.org/amsat/ariss/Papers/School Spacewalk Suitsat Final.doc>.

### PACKET UPDATE .....

Many packet and digital systems along with our regular stations generally need a good 12 volt D.C. power supply. A new style of power supply has been developed over the years. This is the switching power supply. It has the advantage of precise voltage control , current limiting, thermal shutdown, light weight, and long life. Many amateurs are switching to these supplies when they now buy one. These unit are small and get the job done. MFJ makes several of these types of supplies that go all the way up to 45 amps. The old style linear supply with the big transformer would weigh 20 to 30 pounds to produce this amount of current and be a lot larger. To check out these new lightweight supplies from MFJ check out their website at [www.mfjenterprises.com](http://www.mfjenterprises.com)

James Butler, KB4LJV

### AMATEUR HARDWARE UPDATE .....

One of the fastest growing segments of amateur radio is QRP. The satisfaction of making a contact at lower power levels as well as low cost has added to the popularity of this mode. The cheapest transceiver kit on the market is the PIXIE2. This kit sells for under \$10.00. The kit contains a small PC board along with components to build a working radio for and band from 160 to 10 meters. All that is needed is some connectors and a power supply (can be a 9 volt battery) and a crystal for the band you want to operate on. This month's project is the 80 meter PIXIE2. The unit is set up using a 3.5795 MHZ standard TV colorburst crystal. This puts the radio on one of the QRP frequencies for 80 meters. For 10 dollars the rig is a barebones unit. Going to the internet and typing PIXIE2 in a search engine will produce a lot of sites that offer enhancements to the basic design. I have a large binder full of upgrade information off the internet for this radio. The unit is a CW only unit but there is even a mod to turn it into an AM VOICE rig. I put my PIXIE2 in a switcher case and painted it to match my other gear. Some other features I added to my rig were a regulator to allow it to run at 12 VDC, power switch, RIT control for tuning the received signal better, front panel relative power output meter, and a relay keying circuit to allow the radio to be keyed by an electronic keyer as well as a straight key. The radio is amazing for the price. My unit puts out about 250 milliwatts of power on transmit.

James Butler, KB4LJV





# May

2005

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
<b>1</b>	<b>2</b>	<b>3</b> Mary, AC4GF	<b>4</b>	<b>5</b> <b>MARA Club Meeting</b> <b>7:00 PM</b>	<b>6</b> Roger, KF4QFZ Jennifer Douglas	<b>7</b>
<b>8</b>	<b>9</b>	<b>10</b> <b>Delta Club Meeting</b> <b>7:00 PM</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>
<b>15</b> Dan, N9PNA Wesley, W3EDW	<b>16</b> Andy, K4ZLC	<b>17</b>	<b>18</b>	<b>19</b> Katherine Savage	<b>20</b>	<b>21</b>
<b>22</b> Sheila Miller	<b>23</b> Keith Burnum Kelly Burnum	<b>24</b> <b>Shelby Cty., ARES Meeting</b> <b>6:45 PM</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
<b>29</b>	<b>30</b> Tommy, KD4TJO	<b>31</b> Billy, KD4FTS				

# June

2005

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
			<b>1</b> Charlotte, KD4SHD	<b>2</b> <b>MARA Club Meeting</b> <b>7:00 PM</b>  Chris Sowell	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
<b>12</b> Rebecca, KC4MTN Boyd, N4SSF	<b>13</b>	<b>14</b> <b>Delta Club Meeting</b> <b>7:00 PM</b>	<b>15</b>	<b>16</b> Kathy, KE4UYU Melissa, W5MDV	<b>17</b>	<b>18</b>
<b>19</b> Pam Jennings	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b> Dick, K3ORS
<b>26</b>	<b>27</b> Steve, NX3W Harry, KI5UK Zach, KG4WKA	<b>28</b> <b>Shelby Cty., ARES Meeting</b> <b>6:45 PM</b>	<b>29</b>	<b>30</b> Marc, KB5ZMU Susan Pace		

# July

2005

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
					<b>1</b>	<b>2</b>
<b>3</b>	<b>4</b> Joseph, KE4JFN	<b>5</b> Betsy, KD4KOM	<b>6</b>	<b>7</b> <b>MARA Club Meeting</b> <b>7:00 PM</b> Amanda Burnum	<b>8</b> Sandra Joyce Rye	<b>9</b>
<b>10</b> Pat, KC4SJD	<b>11</b> Kay, KA4AEG	<b>12</b> <b>Delta Club Meeting</b> <b>7:00 PM</b> Harry, AF4RH	<b>13</b>	<b>14</b>	<b>15</b> Nora, W4ZOR	<b>16</b> Ben Montgomery
<b>17</b> Richard, AI4BN Barry, KE4KAG Jerry, K4CMZ	<b>18</b> Ray, AA4UK	<b>19</b> Dean, N2LAZ	<b>20</b> Joe, WA4OVO Marie, K4GMT	<b>21</b> Bill, WA4MJM	<b>22</b>	<b>23</b>
<b>24/31</b>	<b>25</b> Bill, W4NZP	<b>26</b> <b>Shelby Cty., ARES Meeting</b> <b>6:45 PM</b> Don, KA4EBU	<b>27</b>	<b>28</b> Simon Montgomery	<b>29</b>	<b>30</b>



## CONTEST CALENDAR

Here are some of the contests and special events coming up in the next few weeks...

**Kid's Day Operating Event**--from 1800-2400Z Jun 18 (see [www.arrl.org/FandES/ead/kd-rules.html](http://www.arrl.org/FandES/ead/kd-rules.html)).

**West Virginia QSO Party**--CW/SSB, sponsored by the West Virginia State Amateur Radio Council, from 1600Z Jun 18-0200Z Jun 19. Frequencies: 80-10 me-

ters, CW--35 kHz from band edge, Phone--35 kHz from General class band edge and Novice/Tech 10 meter segment. For more information: [www.qsl.net/wvarrl](http://www.qsl.net/wvarrl).

**All-Asian DX Contest**--CW--sponsored by the Japan Amateur Radio League from 0000Z Jun 18-2400Z Jun 19. (SSB--Sep 3-4). Frequencies: 160-10 meters (160 is CW only), incl 10-min band change rule. For more information: [www.smirk.org](http://www.smirk.org).

**Quebec QSO Party**--CW/Digital/Voice--sponsored by the Radio Amateurs du Quebec from 1700Z Jun 18-0300Z Jun 19. Frequencies: 80-2 meters, no repeater contacts. For more information: [www.raqi.ca/qqp](http://www.raqi.ca/qqp).

**Spanish Islands Contest**--CW/SSB/RTTY, sponsored by the Diploma Islas Españolas (DIE), from 0600Z-1200Z Jun 19. Frequencies: 80-10 meters. For more information: [www.ea5ol.net/die](http://www.ea5ol.net/die).

**ARRL Field Day**--1800Z Jun 25 to 2100Z Jun 26 (see May *QST*, page 100). **His Majesty King of Spain Contest**--SSB--1200Z Jun 25-1200Z Jun 26; see May *QST*, page 99).

**QRP ARCI Milliwatt Field Day**--1800Z Jun 25-2100Z Jun 26. Follows ARRL Field Day rules; see [www.qrparci.org/contest.htm](http://www.qrparci.org/contest.htm) for more information.

**Marconi Memorial HF Contest**--CW, sponsored by ARI, from 1400Z Jun 25-1400Z Jun 26. Frequencies: 160-10 meters, according to IARU band plan. For more information: [www.qsl.net/ik6ptj/marconi.htm](http://www.qsl.net/ik6ptj/marconi.htm)

**W1AW Qualifying Runs** are 10 PM EDT Wednesday, July 6 (0200Z July 7) (35-10 QRSR), and 9 AM Friday, July 22 (1300Z July 22). The K6YR West Coast Qualifying Run will be at 9 PM PDT Wednesday, July 13 (0400Z July 14) (10-40 WPM). Check the W1AW Schedule elsewhere in this issue for details.

**Canada Day Contest**--CW/Phone--sponsored by the Radio Amateurs of Canada (RAC) from 0000Z-2359Z Jul 1. Frequencies: 160-10, 6 and 2 meters. For more information: [www.rac.ca/service/infoconthtm](http://www.rac.ca/service/infoconthtm)

**MI QRP Jul 4th CW Sprint**--2300Z Jul 4-0300Z Jul 5 (see Jan *QST*, p 102, or [www.qsl.net/miqrclub](http://www.qsl.net/miqrclub)).

**Venezuelan Ind. Day Contest**--CW/SSB--sponsored by the Radio Club Venezolano from 0000Z Jul 2-2400Z Jul 3. Frequencies: 160-10 meters. For more information: <http://radioclubvenezolano.org/concurso.htm>.

**DL-DX-RTTY-Contest**--RTTY/PSK--sponsored by the DL DX RTTY Contest Group (DRCG) from 1100Z Jul 2 -1059Z Jul 3. Frequencies: 80-10 meters. For more information: [www.drcg.de](http://www.drcg.de).

## The W4BS Elmer Shack

Please feel free to contact any of our ELMERS to help you enhance your amateur skills. Anyone wishing to be added to the Elmer list please contact Ned at [ka4bll@arrl.net](mailto:ka4bll@arrl.net) or 363-9607.

K4TTA (Extra) Tom Richardson 386-6268  
[k4tta@arrl.net](mailto:k4tta@arrl.net) (1, 3, 4, 6, 8, 9, 13, 14, 15)

KA4BLL (Extra) Ned Savage 363-9607  
[ka4bll@arrl.net](mailto:ka4bll@arrl.net) (1, 5, 8, 14, MARS, ARES/RACES, net control, traffic handling, emergency service)

KB4LJV (Extra) James Butler 294-2540  
[jbutler@bigriver.net](mailto:jbutler@bigriver.net) (2, 7, 9, 11, 13, 14)

KD4NOQ (Adv) David Campbell 388-6166  
[kd4noq@bellsouth.net](mailto:kd4noq@bellsouth.net) (1,2,3,5,9,10,12,14, slow scan TV, ATV minor)

KU4AW (Extra) Ben Troughton 372-8031  
[bktrough@mem.quik.net](mailto:bktrough@mem.quik.net) (2,4, 8, 15)

N9ACQ (Extra) Bill Kuechler 368-0532  
[wkuechl1@midsouth.rr.com](mailto:wkuechl1@midsouth.rr.com) (1, 8, 13)

WA2IQC (Gen) Gary Blinckmann 794-5289  
[garyblin@midsouth.rr.com](mailto:garyblin@midsouth.rr.com) (1, 7, 10, 14)

WA4MJM (Extra) Bill Hancock 853-7192  
[billwa4mjm@aol.com](mailto:billwa4mjm@aol.com) (1, 2, 8, emergency communications, ARES,MARS)

K4DIT (Extra) Ken Gregg 853-7384  
[kgregg@c-a-c.com](mailto:kgregg@c-a-c.com) (4, 6, 8, 11, 15)

W4GMM (Extra) Ham Hilliard 372-2337  
[hamh@bellsouth.net](mailto:hamh@bellsouth.net) (All categories)

### Codes:

1. Antennas
2. APRS
3. Contesting
4. CW Operating
5. Direction Finding (fox hunting)
6. DXing
7. Experimenting/Circuits/etc.
8. HF Phone
9. Packet
10. Repeater Operation
11. QRP
12. Satellite
13. RTTY
14. VHF
15. PSK31
16. Computer logging



**DARC 10-Meter Digital "Corona"**--RTTY/AMTOR/PACTOR/PSK31/Clover-- sponsored by Deutscher Amateur Radio Club from 1100Z-1700Z Jul 3 (see Nov *QST*, p 102, or [www.darc.de/referate/dx](http://www.darc.de/referate/dx)).

**IARU HF World Championship**--from 1200Z Jul 9 to 1200Z Jul 10 (see Apr *QST*, p 102, or [www.iaru.org/contest.html](http://www.iaru.org/contest.html)).

**WRTC-Style Team Challenge**--runs concurrently with IARU HF World Championship. Two-operator teams follow WRTC-style rules in IARU Multi-Single category. For more information: [www.wwdxc.org/wrtrerule.htm](http://www.wwdxc.org/wrtrerule.htm)

**FISTS Summer Sprint**--CW, from 1700Z-2100Z Jul 10 (see Feb *QST*, p 102, or [www.fists.org](http://www.fists.org)).

**QRP ARCI Summer Homebrew Sprint**--CW, from 2000Z-2400Z Jul 10 (see Dec *QST*, p 85, or [www.qrparci.org/contest.htm](http://www.qrparci.org/contest.htm)).

**North American RTTY QSO Party**--sponsored by the *National Contest Journal* from 1800Z Jul 16-0600Z Jul 17. Frequencies: 80-10 meters, 100 W max. For more information: [www.ncejweb.com](http://www.ncejweb.com).

**CQ WW VHF Contest**--all modes--sponsored by *CQ Magazine* from 1800Z Jul 16-2100Z Jul 17. Frequencies: 50 and 144 MHz bands, except 146.52 MHz (and other national simplex calling frequencies) and repeater frequencies. Please avoid the DX windows and international calling frequencies. For more information: [www.cq-amateur-radio.com](http://www.cq-amateur-radio.com).

**SEANET Contest--CW/SSB/DIGITAL**, sponsored by the SEANET Convention, 1200Z Jul 16-1200Z Jul 17. Frequencies (MHz): CW - 3.525, 7.025, 14.025, 21.025, 28.025, SSB - 7.090, 14.220, 21.320, 28.320. For more information and

list of SEANET countries: [www.seanet2005.com/html/News.htm](http://www.seanet2005.com/html/News.htm)

**CQC Great Colorado Gold Rush**--CW--sponsored by the Coslorado QRP Club, from 2000Z-2200Z Jul 17. Frequencies: 20 meters only. For more information: [www.cqc.org/contests](http://www.cqc.org/contests).

**Great Lakes Sweepstakes**--Phone/CW/Digital, sponsored by the Michigan DX Association, from 0000Z Jul 23-2359Z Jul 24. Frequencies: 80-2 meters, including VHF FM (no repeater or satellite). For complete scoring and bonus point information: <http://mdxa1.org/glsweepsrules.html>.

**Flight of the Bumblebees**--CW--sponsored by the Adventure Radio Society, 1700Z-2100Z Jul 31. Bumblebees are low power portable stations that walk, bike or boat to their sites and sign "/BB" after their calls. Frequencies (MHz): 7.040, 14.060, 21.060, 28.060. For more information: [www.arsqrp.com/ars/pages/bumblebees/bb\\_rules.html](http://www.arsqrp.com/ars/pages/bumblebees/bb_rules.html).

**RSGB Islands-On-The-Air Contest**--CW/SSB--sponsored by the RSGB from 1200Z Jul 30-1200Z Jul 31. Frequencies: 80-10 meters. For more information: [www.contesting.co.uk/hfcc/iota.shtml](http://www.contesting.co.uk/hfcc/iota.shtml).

#### SPECIAL EVENTS

0400Z Jun 4-0359Z Jun 19, Atkinson, NH. Atkinson Amateur Radio Club, K1D. Celebrating Kid's Day & Amateur Radio Awareness. 28.370 21.370 14.270. QSL. Peter Schipeliti, W1DAD, 7 Dearborn Ridge Rd, Atkinson, NH 03811.

1800Z Jun 10-0200Z Jun 12, Worthington, MN. Worthington Okabena Windsurfers, WØW. Annual Windsurfing Regatta and Unvarnished Music Festival. 21.375 14.275 7.275 3.875. QSL. Randy Shirbroun, 1745

N Douglas Ave, Worthington, MN 56187. [www.wgtn.net/wow/index.htm](http://www.wgtn.net/wow/index.htm)

1300 Z -1700Z June 10 and 1400Z-2200Z Jun 11-Jun 12, Fond du Lac, WI. Fond du Lac Amateur Radio Club, W9EBV. Walleye Weekend. 21.375 14.325 3.975. QSL. Dave Witt, WD9W, 1600 S Park Ave, Fond du Lac, WI 54935-8032. [www.fdlhams.org](http://www.fdlhams.org).

1700Z-2300Z Jun 11, Stanhope, NJ. Nutley Amateur Radio Society, W2GLQ. Waterloo Village. 28.350 21.275 14.350 7.250. QSL. Nutley ARS, 169 Chestnut St, Nutley, NJ 07110. <http://hometown.aol.com/kc2aup>

1200Z Jun 11-2100Z Jun 12, Hamilton, OH. Butler County VHF Association, W8P. Ohio Covered Bridge Event. 14.250. QSL. John DeLaCroix, W8WCQ, 67 Woodcrest Dr, Middletown, OH 45044. [www.qsl.net/w8cci/bc07004.html](http://www.qsl.net/w8cci/bc07004.html).

1200Z Jun 11-2400Z Jun 12, Cambridge, OH. Cambridge Amateur Radio Association, Inc, W8G. Ohio's Covered Bridges On The Air Weekend. 7.243. QSL. Cambridge Amateur Radio Association, Inc, PO Box 1804, Cambridge, OH 43725. [www.w8vp.org](http://www.w8vp.org).

1200Z Jun 11-2400Z Jun 12, Norwich, OH. Cambridge Amateur Radio Association, Inc, W8D. Ohio's Covered bridges On The Air Weekend. 7.243. QSL. Cambridge Amateur Radio Association, Inc, PO Box 1804, Cambridge, OH 43725. [www.w8vp.org](http://www.w8vp.org).

1400Z Jun 11-2200Z Jun 12, Camden, NJ. United States Power Squads and Battleship *New Jersey* Amateur Radio Station, NJ2BB. National Safe Boating Week from the Battleship *New Jersey*. 28.367 21.367 14.267 7.267. Certificate. Donald R. Stark, N3HOW, 65 Stark Spur, Eighty Four, PA 15330-2547.

Jun 11-Jun 12, 1500Z-0000Z, Marshfield & Wausau, WI. Marshfield Area Amateur Radio Society and Wisconsin Valley Radio Association, W4S. Central Wisconsin Walk for Sarcoma Relay Event. 14.268 7.268. QSL. Jerry Graebel, 624 E Bridge St, Wausau, WI 54403-3566.

0000Z Jun 13-2359Z Jun 26, Great Falls, MT. Great Falls Area Amateur Radio Club, W7M. Lewis & Clark Bicentennial Commemoration. SSB 28.350 21.350 14.250 3.855 CW up 35 kHz on CW bands. QSL. W7ECA, PO Box 1763, Great Falls, MT 59405. [www.w7eca.org](http://www.w7eca.org).

1500Z Jun 17-0300Z Jun 19, Indianapolis, IN. Indianapolis Motor Speedway Amateur Radio Club, W9IMS. United States Grand Prix. 21.340 14.240 7.240 3.840. QSL. Indianapolis Motor Speedway ARC, PO Box 18495, Indianapolis, IN 46218. [www.w9ims.com](http://www.w9ims.com).

1500Z Jun 18-2100Z Jun 18, Effingham, IL. National Trail Amateur Radio Club, K9UXZ. The Historic National Road (America's first interstate). 14.240 7.240. Certificate. K9UXZ, PO Box 903, Effingham, IL 62401. [www.nationalroad.org](http://www.nationalroad.org).

1400Z Jun 18-1800Z Jun 19, Dalton, PA. Northeast Pennsylvania DX Club, N3XK. 33<sup>rd</sup> anniversary of Hurricane Agnes. 21.350 14.250 7.250 3.860. QSL. Brian Mennig, KM3X, RR1 Box 308, Dalton, PA 18414.

1500Z Jun 18-2000Z Jun 22, Chicago, IL. Rotary International-Rotarians of Amateur Radio (ROAR), W9R. Celebrating 100 years of Rotary service to mankind. 21.310 14.293 7.280 3.955. Certificate. ROAR - W9R, c/o John Maier, W8AUV, PO Box 797832, Dallas, TX 75379-7832. [www.ifroar.org](http://www.ifroar.org).

1400Z-2200Z Jun 24, Sault Ste Marie, MI. U.P. Net/Wexaukee Amateur Radio Club, N8S. 150<sup>th</sup> anniversary of the St Marys River Soo Locks. 21.255 14.255 7.255 3.921. Certificate. Al Robertson, PO Box 202, Stevensville, MI 49127-0202.

Jun 24, 1300Z-2100Z, Corinth, MS. Alcorn County Amateur Radio Emergency Service, W5S. Corinth Sesquicentennial. 14.270. Certificate. ACARES-Area Promotion Council, PO Box 2158, Corinth, MS 38834-2158. [www.arlmiss.org](http://www.arlmiss.org).

1400Z -1800Z Jun 25, Emerson, AR. PurpleHull Pea Amateur Radio Club, K5PEA. Commemorating 16<sup>th</sup> Annual PurpleHull Pea Festival. 14.240 7.240. QSL. PurpleHull Pea Amateur Radio Club, PO Box 273, Emerson, AR 71740. [www.purplehull.com/hams](http://www.purplehull.com/hams).

1800Z Jun 25-1800Z Jun 26, Rusk, TX. A Group of Texas Amateurs, W5R, N5R. Texas State Railroad operation during Field Day. 14.250. QSL. Stephen Hicks, N5AC, 900 Carnegie Ct, Allen, TX 75002. [www.FieldDay05.com](http://www.FieldDay05.com).

1800Z Jun 25-2100Z Jun 26, Brigantine, NJ. Shore Points Amateur Radio Club, W2HRW. Field Day 2005. 14.280 146.520 446.600 224.900. QSL. Shore Points Amateur Radio Club, PO Box 142, Absecon, NJ 08201.

Jul 1-Jul 10, 1200Z-2200Z, Marco Island, FL. Marco Island Radio Club, N4M. Founding of modern Marco Island. 21.260 18.128 14.260. QSL. Karl L Geng, 695 Embassy Ct, Marco Island, FL 34145. [www.marcoisland.org/k5mi.htm](http://www.marcoisland.org/k5mi.htm)

Jul 2, 0800Z-1500Z, Ashland, KY. River Cities Amateur Radio Association, KA4OIL. Summer Motion 05. 28.400 7.250 3.940. Certificate. RCARA, PO Box 612, Ashland, KY 41105. [www.geocities.com/kg4dve/](http://www.geocities.com/kg4dve/)

[rcara.htm](http://rcara.htm).

Jul 2, 1400Z-2200Z, Smithville, TN. DeKalb County Amateur Radio Club, K4F. 34<sup>th</sup> Annual Smithville Fiddlers Jamboree & Crafts Festival. 28.425 21.325 14.280 7.275. QSL. William Freddy Curtis, KC4GUG, 288 Dogwood Cir, Smithville, TN 37166-2712. [www.geocities.com/kg4bto1/darc\\_warc.html](http://www.geocities.com/kg4bto1/darc_warc.html).

Jul 2-Jul 3, 1400Z-2130Z, Winona, MN. Winona Amateur Radio Club, Inc, W0NE. Great River Shakespeare Festival. 14.250 7.250 7.050 3.870. Certificate. Leslie Hittner, K0BAD, 1340 Conrad Dr, Winona, MN 55987. [www.w0ne.org](http://www.w0ne.org).

Jul 4, 1300Z-2100Z, Van Wert, OH. Van Wert Amateur Radio Club, W8FY. Holiday at Home—Van Wert County Historical Museum. 14.320 7.260. Certificate. Van Wert Amateur Radio Club, PO Box 602, Van Wert, OH 45891.

Jul 4, 1500Z-2200Z, Independence, IA. Five Sullivan Brothers Amateur Radio Club, W0FSB. Celebrating Independence Day from Independence, Iowa. 28.340 21.240 14.240 7.240 50.140. Certificate. Five Sullivan Brothers ARC, 4015 Independence Ave, Waterloo, IA 50703. [www.qrz.com/w0fsb](http://www.qrz.com/w0fsb)

Jul 4, 1600Z-2300Z, Beecher, IL. Hams of Beecher, W9B. 5<sup>th</sup> Annual Welcome Home Beecher Train Depot. 28.340 14.270 14.040 7.270 144.49. Certificate. Gene Backlin, 26811 Greenbriar Dr, Monee, IL 60449.

Jul 4-Jul 5, 1400Z-0100Z, Thompson, OH. Lake County Amateur Radio Association, N8GB. Heritage of Our Country—Happy Birthday America. 28.450 7.247. Certificate. George R. Bair, 386 Cedarbrook Dr, Painesville, OH 44077.

Jul 4-Jul 5, 1600Z-0300Z, Klamath

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## Delta Amateur Radio Club

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Falls, OR. Klamath Basin Amateur Radio Association, W7VW. Centennial of incorporation of the city of Klamath Falls. 14.250 7.250. Certificate. Douglas Clarke, N7KF, 4801 Glenwood Dr, Klamath Falls, OR 97603.

Jul 5-Jul 31, 1300Z-2100Z, Port Colborne, ON, Canada. Niagara Peninsula ARC, VE3WCD. Canal Days Marine Heritage Festival. 28.350 21.250 14.250 7.250. QSL. Doug Frame, VE3JDF, 895 Lakeshore Rd E, Port Colborne, ON, Canada L3K 5V3. [www.nparc.on.ca](http://www.nparc.on.ca)

Jul 6-Jul 10, 1800Z-2400Z, Austin, TX. Naturist Amateur Radio Club, NU5DE. Nude Awareness Celebration/Nude Recreation Week. 28.465 21.365 14.265 7.265. QSL. Naturist Amateur Radio Club, PO Box 200812, Austin, TX 78720-0812. [www.nu5de.org](http://www.nu5de.org).

Jul 8-Jul 10, 1400Z-2359Z, Trenton, MI. Motor City Radio Club, W8MRM. 30<sup>th</sup> Annual Trenton Mid-Summer Festival. 14.244 14.044 7.244 7.044. Certificate. Motor City Radio Club, W8MRM, PO Box 337, Wyandotte, MI 48192. [www.W8MRM.org](http://www.W8MRM.org).

Jul 8-Jul 10, 1800-0600 dailyZ-1800-0600Z, Salmon Arm, BC, Canada. Shuswap Amateur Radio Club, VA7C. Salmon Arm Centennial Celebration. 21.375 14.275 7.275 3.875. Certificate. Shuswap Amateur Radio Club, PO Box 2613, Salmon Arm, BC V1E 4R5. Canada. [www.jetstream.net/sarc](http://www.jetstream.net/sarc).

Jul 8-Jul 18, 1400Z-1800Z, Steamboat Lake State Park, CO. Castle Rock Repeater Group, K0CRG. New US Islands activation CO-12, grid DN60, Routt County. 14.260 14.030 7.260 3.960. QSL. Roger Krautkremer, K0YY, 41 Cedar Way, Evergreen, CO 80439. [www.crrg.org](http://www.crrg.org).

Jul 9, 1800Z-2200Z, Los Alamos, NM. Los Alamos Amateur Radio Club, W5PDO. Earthwatch Institute Student Challenge Awards Program from Fenton Hill Observatory. 28.450 21.350 14.250. Certificate. Don Casperson, AA5PA, 1423 43rd St, Los Alamos, NM 87544.

Jul 9-Jul 10, 0000Z-2359Z, Hannibal, MO. Hannibal Amateur Radio Club, W0MTL/MM. National Tom Sawyer Days from the Mark Twain Riverboat. 14.259 7.258. Certificate. Robert G. Mitchell, 816 Long Dr, Quincy, IL 62305. [www.ewingmissouri.com/w0kem/](http://www.ewingmissouri.com/w0kem/).

Jul 9-Jul 10, 0900Z-1600Z, Somers, NY. Peekskill Cortlandt Amateur Radio Association, W4H. 4H Fair at Muscote Farms. 21.310 14.275 7.255. QSL. W2NYW Peekskill Cortlandt Amateur Radio Association, PO Box 146, Crompond, NY 10517.

Jul 9-Jul 23. Lewis and Clark County, MT. Capital City Amateur Radio Club, K7L/C. 200<sup>th</sup> anniversary of Lewis and Clark "discovering" Lewis and Clark County, MT. SSB and CW: 25 kHz down from the top of each band; PSK31. Certificate. Forrest Christian, AC7DE, 50 11<sup>th</sup> Ave, Helena, MT 59601-3642. County stations also signing /LC. [www.w7tck.org/lc](http://www.w7tck.org/lc).

Jul 10, 1400Z-1900Z, Upton (Long Island), NY. National Weather Service Upton NY and Town of Babylon ARES, WX2OKX. Annual NWS OKX Open House, promoting the partnership between NWS and Amateur Radio in the Tri-State SKY-WARN Program. 28.320 21.320 14.320 7.250. Certificate. NOAA/NWS, Attn: WX2OKX, 175 Brookhaven Ave, Bldg NWS-1, Upton, NY 11973. [www.erh.noaa.gov/okx/Skywarn/openhouse05.html](http://www.erh.noaa.gov/okx/Skywarn/openhouse05.html).

Jul 10-Jul 21. Israel Amateur Radio Club, 17th Maccabiah Games. Israel

Amateur Radio Club, PO Box 17600, Tel-Aviv, 61176 Israel. For complete information go to: [www.iarc.org/~4z4tl/Maccabiah17\\_main.htm](http://www.iarc.org/~4z4tl/Maccabiah17_main.htm).

Jul 15-Jul 17, 1800Z-1200Z, Kane, PA. Kane Amateur Radio Operators, AA3GM. Celebrating the annual Kanesfest Festival. 21.355 14.255 7.255 3.875. Certificate. Kenneth T. Frankenbery, 5111 Glenwall Dr, Alquippa, PA 15001.

Jul 16, 1300Z-1900Z, Wapakoneta, OH. Reservoir Amateur Radio Association, K8QYL. Celebrating the anniversary of the landing on the moon. 14.250 7.260. Certificate. Tom Kaup, KA1UP, 421 Lewis Ave, St Henry, OH 45883.

Jul 16, 1300Z-2000Z, Chambersburg, PA. Cumberland Valley Amateur Radio Club, W3ACH. 50<sup>th</sup> Anniversary of the CVARC. 14.240 7.240 50.125 146.550. Certificate. Cumberland Valley ARC, PO Box 172, Chambersburg, PA 17201. [www.cvarc-pa.com](http://www.cvarc-pa.com).

Jul 16-Jul 17, 0001Z-2359Z, Portland, OR. Oregon-Idaho DX Group, W7P. Museum Ships Weekend, from the Sternwheel Tug *Portland*. 28.360 28.039 21.360 21.039 14.260 14.039 7.260 7.039 3.860 3.539. QSL. via Buro, or to K7VAN, Box 12941, Salem, OR 97309. Info: [k7vv@msn.com](mailto:k7vv@msn.com). Participating ships: [www.qsl.net/k1usn/event.html](http://www.qsl.net/k1usn/event.html).

Jul 16-Jul 17, 0001Z-2359Z, Quincy, MA. USS *Salem* Radio Club, K1USN. Museum Ship Worldwide Radio Event. 14.260 14.039 3.860 3.539. Certificate for working ten participating ships. Robert Callahan, 56 Acorn St, Scituate, MA 02066. [www.qsl.net/k1usn/event.html](http://www.qsl.net/k1usn/event.html).

**TENNESSEE NETS**

<b>Net Name</b>	<b>Freq.</b>	<b>UTC</b>	<b>Day</b>
Tennessee CW Net	3635	0100	T-Su
Tennessee Slow CW Net	3682	0130	T-Su
Tennessee Early Morn Phone Net	3980	1145	M-F
Tennessee Morning Phone Net	3980	1245	M-F
Tennessee Morning Phone Net	3980	1400	Sa-Su
Tennessee Evening Phone Net	3980	0030	T-Su

**AREA HAMFESTS OF INTEREST**

**Upper Cumberland Amateur Radio Association**

Putnam County Fairgrounds  
Cookeville, TN  
June 18, 2005

**Ozone ARC**

Slidell Municipal Auditorium  
Slidell, LA  
July 16, 2005

**McMinn County Amateur Radio Club**

Athens Regional Park  
Athens, TN  
July 16, 2005

**Delta Amateur Radio Club**

**April 2005 Treasurers Report**

<b>Balance 3/30/2005</b>	<b>\$6607.98</b>
<b><u>Expense</u></b>	
BellSouth	60.24
The University of Memphis	22.94
<b><u>Income</u></b>	
Dues	70.00
<b>Balance 5/27/2005</b>	<b>\$6594.80</b>

**SPARKS** is published monthly by the Delta Amateur Radio Club and is emailed to club members and other interested parties. All information published in this newsletter is provided as a service. While every effort is made to ensure accuracy, the Delta Amateur Radio Club and its officers assume no liability resulting from errors or omissions. All correspondence may be mailed to:

**Delta Amateur Radio Club  
P.O. Box 750482  
Memphis, TN 38175-0482**

**2005 Board of Directors**

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-

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