

# DELTA AMATEUR RADIO CLUB

# SPARKS

P. O. BOX 750482 MEMPHIS, TN 38175-0482 / VOL. 18 / AUGUST 2006



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

## AUGUST 2006 CLUB MEETING

**DATE:** August 8, 2006 ( 2nd Tuesday - be there )  
**PLACE:** Ellendale Church Of Christ, 7365 Highway 70,  
Memphis, Tn. ( 2 miles east of Hwy. 64-Stage Rd. )  
**TIME:** 7:00 PM  
**PROGRAM:**

**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, August 31st. 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

Another month has sizzled by. I hope that all survived the heat of the past weeks and are OK. There is not much news or I have been covered up and did not see what was up.

Eddie Trammel KF4QFW is heading up the MS150. He is looking for some bodies to put that together. All that worked or are interested in working that event contact Eddie. There are several other events that Tommy handled in the past that will require a leader and volunteers so prepare yourselves to come out and assist in our public service events.

There has been little to no interest shown in the open Board positions. I announced that the VP, Treasurer and Director of Training position had been vacated and we needed to have a special election at the July meeting, which was postponed. For those who did not know, John KG4OLG's better half took a position in Tulsa OK and they will

be moving soon. Anybody that is interested in taking one of the positions please let myself know or any board member.

Suresh will be working on the 147.36 machine with the return on the controller that was sent off for repair. Hopefully that will be soon. Stay tuned to the nightly traffic and information net on the 146.82 repeater for Club information and other updates.

I hope to see all our members and guests at the meeting.

73, Darrell KK4D

### **DARC BOARD MEETING July 2006**

No board meeting was held in July, therefore, there are no minutes.

### **DARC GENERAL MEMBERSHIP MEETING July 11, 2006**

No July membership meeting minutes have been submitted for publication. The minutes will be submitted to the membership during the August 8th meeting.

### **ARRL NEWSLETTER**

#### **FCC DENIES RECONSIDERATION PETITIONS, ADOPTS MINOR CHANGES TO BPL RULES**

An FCC that's still optimistic and enthusiastic about BPL met August 3 to consider and

unanimously adopt a Memorandum Opinion and Order (MO&O) in response to several petitions for reconsideration of its BPL rules - including one from ARRL. But one commissioner stressed that the FCC has an obligation to protect Amateur Radio operators from BPL interference and to respond promptly to interference complaints. ARRL President Joel Harrison, W5ZN, and General Counsel Chris Imlay, W3KD, were on hand for this week's meeting, during which the FCC suggested it was attempting to strike a balance between interference to licensed services and the BPL industry's needs.

"This rule making proceeding was initiated to provide regulatory certainty that will encourage investments in BPL, particularly so that consumers can reap the benefits," the FCC Office of Engineering and Technology (OET) told the commissioners.

"Equally important, the Commission sought to ensure that licensed radio services are protected against harmful interference." The OET said the Commission also wanted to provide guidance so compliance measurements "are made in a consistent manner with repeatable results."

The FCC adopted its current BPL rules - under a new Subpart G of its Part 15 rules governing unlicensed devices - in October 2004.

Commenting after the OET's presentation of the MO&O, Commissioner Michael J. Copps reiterated that the FCC must also ensure that BPL providers protect existing spectrum users from interference.

"This applies with special force to Amateur Radio operators whose skills and dedication once again proved so valuable in the aftermath of Hurricane Katrina," Copps remarked. "Amateur radio serves the public interest in so many ways that we must be always mindful of its needs."

Copps said he believes the FCC's MO&O "strikes an acceptable balance," but added that the Commission "must be available and positioned to respond to interference complaints with alacrity. Amateur operators shouldn't have to wait for months to get complaints resolved - they deserve better."

The FCC denied a BPL industry request to extend the effective date to meet equipment certification requirements, but it did create a limited exception, the OET's Anh Wride said. BPL systems now will have another year to continue installing or replacing equipment "that otherwise meets the Part 15 rules" in their present coverage areas. "This relief is a reasonable accommodation that will limit the proliferation of non-compliant equipment," Wride said.

In addition, the Commission rebuffed the BPL industry's request

to drop the 30-day advance notification requirement for the public BPL database. Wride said the advance notification provision ensures that licensed users are aware of new BPL deployments in advance of their startup..

The Order also turned down requests by the ARRL and individual Amateur Radio operators to exclude the use of the HF ham bands for BPL operations. The Commission also denied petitions from the ARRL and others to prohibit BPL deployment "pending the adoption of a definition for 'harmful interference,' the completion of all ongoing studies of BPL and the initiation of further studies of BPL interference characteristics," Wride said.

The FCC further denied requests to keep BPL signals off overhead medium-voltage power lines and to impose more stringent technical restrictions and measurement requirements on BPL operations.

Wride said the OET believes the requirements the FCC adopted in 2004 regarding emission levels and notching "are adequate to fully protect amateur operations." She said going along with ARRL's request to reconsider, rescind and re-study the BPL rules in further proceedings could leave radio amateurs with less protection than they now have.

The FCC did grant a request from the National Telecommunications and Information Administration (NTIA) to expand BPL exclusion

zones in the vicinity of certain radio astronomy systems.

"We continue to believe that the interference concerns associated with the operation of these systems are adequately addressed through the adoption of Access BPL rules in Part 15, particularly as a new generation of BPL equipment that complies with our rules becomes available," Wride concluded.

The FCC released a public notice to report its August 3 BPL-related actions <[http://hraunfoss.fcc.gov/edocs\\_public/attachmatch/DOC-266773A1.pdf](http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-266773A1.pdf)>. The MO&O it adopted is not expected to become available to the public for a few weeks.

**LEAGUE CALLS MANASSAS  
BPL INTERFERENCE REPORT  
"FLAWED," "MISLEADING"**

The ARRL has told the FCC it has found a radio interference report filed on behalf of the Manassas, Virginia, BPL system "flawed in numerous respects." The League responded this week to a July 17 letter and BPL interference study the FCC mandated following repeated complaints from local radio amateurs.

"ARRL objects to the report because it is based on improper engineering practice and contrary to the instructions provided by your office in your letter dated June 16, 2006," ARRL General Counsel Chris Imlay, W3KD, wrote FCC Spectrum Enforcement Division Chief Joseph Casey on

August 2. In June, Casey had ordered the City of Manassas and BPL provider COMTek to investigate complaints from several Manassas radio amateurs of BPL interference to their mobile operations and report back to the Commission on their findings. The League, and local amateurs, contend the BPL system is still causing harmful interference to Amateur Radio operations, despite the clean bill of health the engineering report purports to present.

"It did so both before and after the tests conducted by COMTek; and there is no doubt at all that the interference is from the COMTek BPL system operated in the City of Manassas and not from any other source." The League reiterated its demand that the system be shut down immediately.

"Unless the Enforcement Bureau is willing to do that, you are going to have to send Commission staff to observe this interference and conduct their own measurements in the presence of both COMTek and the local Amateur Radio operators who are receiving the interference," Imlay asserted. Manassas radio amateurs who have complained to the FCC about the BPL interference also have suggested that the FCC must investigate the problem firsthand.

The League maintained that COMTek "has filed incorrect and misleading reports" and has "manipulated the BPL system to

show false readings." In particular, the ARRL -- and local radio amateurs -- suggest that the BPL system was not operating at peak user loading during the testing, as the FCC had ordered. Either that or COMTek and BPL equipment manufacturer Main.net adjusted system power levels downward for the testing, Imlay told the FCC.

"The Commission is going to have to investigate this matter itself, without advance notice to COMTek or the City, so that the system is not powered down or otherwise manipulated to show other than peak loading characteristics at the power levels typically used in Manassas," the ARRL stated. The League said it's clear that the FCC can't rely on reports from consultants hired by the system's operators while excluding the victims of the interference.

In its dealings with the Manassas BPL system, the League concluded, the FCC has "completely ignored" Part 15 rules requiring a BPL operator, upon learning of harmful interference, to investigate and resolve it successfully within a reasonable time. "The recent submission of COMTek and the City have produced no resolution of the interference at all," ARRL said. "Rather, COMTek and the City have shown a complete inability, and now, by their denials, the unwillingness, to resolve the interference."

#### VANITY CALL SIGN FEE TO DROP SEPTEMBER 6

The regulatory fee to obtain or renew an Amateur Radio vanity call sign will drop slightly starting with applications received by the FCC on or after Wednesday, September 6, the FCC's Wireless Telecommunications Bureau (WTB) said this week. The new fee will be \$20.80 for the 10-year license term. This year promises to be a big one for vanity call sign renewals, since the initial round of vanity grants under the current system occurred in 1996. Licensees who want to retain vanity call signs issued under the current (post-1995) system must pay the regulatory fee when renewing.

"Consistent with our established practice, we plan to collect these regulatory fees in the August-September 2006 time frame in order to collect the required amount by the end of the fiscal year," the FCC explained in a July 17 Report and Order (R&O), "Assessment and Collection of Regulatory Fees for Fiscal Year 2006," in MD Docket 06-68. The FY 2006 vanity fee is a bit higher than the \$20.10 for the license term that the Commission had proposed in a Notice of Proposed Rule Making last March. The current vanity call sign fee of \$21.90 remains in effect for applications received by the FCC before September 6.

Amateur Radio licensees may file renewal applications no sooner than 90 days of their license

expiration date. While the regulatory fee payment is required from licensees wishing to keep their current vanity call signs after renewal, vanity holders can opt to get a sequential call sign and avoid paying any fee when they renew.

ARRL VEC Manager Maria Somma, AB1FM, says the FCC has been handling vanity call sign license renewals from June without any delay or problems. "I'm sure Gate 2 will go just as smoothly if you use one of the automated methods of filing, such as via the ARRL or using the Universal Licensing System (ULS)," she predicted. "Paper filings to the FCC can be confusing and difficult." The FCC renewed nearly 3000 vanity call sign licenses during June and July.

Amateur Radio licensees holding vanity call signs granted prior to 1996 do not have to pay a regulatory fee when renewing. This is because Congress did not begin requiring the FCC to annually recover its regulatory costs until 1993. Additionally, such licensees are not specifically tagged as vanity call sign holders in the ULS.

The ARRL VEC will process license renewals for vanity call sign holders for a modest fee. The service is available to ARRL members and nonmembers, although League members pay less. Routine, non-vanity renewals continue to be free for ARRL members. Trustees of club stations with vanity call signs may renew

either via the ULS or through a Club Station Call Sign Administrator, such as ARRL VEC.

Somma says the ARRL's new license renewal/modification Web pages <<http://www.arrrl.org/fcc/memberlicenseinstructions.html>> contain complete information on license-filing procedures, including step-by-step instructions on how to renew or update a license using the ULS <<http://wireless.fcc.gov/uls/>>.

### NEW EMERGENCY COMMUNICATIONS BILL INCLUDES ROLE FOR HAMS

A bill to enhance emergency communication at the Department of Homeland Security (DHS) includes Amateur Radio operators as part of an overall effort to provide interoperability among responders. The 21st Century Emergency Communications Act of 2006 (HR 5852), an amendment to the Homeland Security Act of 2002, passed the US House this week on a 414-2 vote and has gone to the Senate. Its sponsor, Rep David G. Reichert (R-WA) -- who chairs the Subcommittee on Emergency Preparedness, Science and Technology -- says his legislation is designed "to improve the ability of emergency responders to communicate with each other" -- interoperability.

"Until the events of September 11, 2001, many people in this nation believed and assumed that first responders from different disciplines and jurisdictions could

actually talk to each other," Reichert -- a former police officer - told the House in support of his bill. "It wasn't happening. It is still not happening today. Unfortunately, that was not the case then, and, as demonstrated by the inadequate responses to Hurricane Katrina, that is not the case today."

Reichert told his colleagues that the inability of first responders to communicate with each another effectively led to the loss of many lives along the US Gulf Coast last year. "This is simply unacceptable," he said.

His measure also would require the DHS to strengthen its efforts to improve emergency communications. HR 5852 calls for Amateur Radio operators to be part of a "Regional Emergency Communications Coordination Working Group" (RECC Working Group) that would be attached to each regional Department of Homeland Security office. The RECC Working Groups would advise federal and state homeland security officials.

In addition to radio amateurs, membership in the RECC Working Groups would include state and local officials; law enforcement, first responders such as fire departments; 911 centers; hospitals; ambulance services; communications equipment vendors, telephone, wireless satellite, broadband and cable service providers; public utilities; broadcasters; emergency

evacuation transit services; state emergency managers, homeland security directors or representatives of state administrative agencies; local emergency managers or homeland security directors, and "other emergency response providers or emergency support providers as deemed appropriate."

Federal government representatives to the RECC Working Groups would include representatives from the DHS "and other federal departments and agencies with responsibility for coordinating interoperable emergency communications" with state, local, and tribal governments.

According to the bill, the RECC Working Groups would function to assess the survivability, sustainability, and interoperability of local emergency communications systems to meet the goals of the National Emergency Communications Report. That report would recommend how the US could "accelerate the deployment of interoperable emergency communications nationwide."

The RECC Working Groups also would be tasked with ensuring a process to coordinate the establishment of "effective multi-jurisdictional, multi-agency emergency communications networks" that could be brought into play following acts of terrorism, natural disasters and other emergencies.

HR 5852 has been referred to the Senate Committee on Homeland Security and Governmental Affairs.

### MASSIVE CUBESAT LAUNCH FAILS

A much-heralded attempt to launch 15 CubeSats built by 11 universities and one private company failed this week. Fourteen of the tiny spacecraft carried Amateur Radio transmit-only payloads.

The Dnepr-1LV rocket lifted off from Russia's Baikonur Cosmodrome in Kazakhstan at 1943 UTC on July 26. Various accounts indicate that the mission went awry less than two minutes after liftoff when the first stage failed to separate on time, causing an emergency shutdown of the rocket's main engine. Reports vary on how far downrange -- and just where -- the vehicle fell. One said the Dnepr dropped to Earth some 15 km from the launch site, while another put the distance at 190 km. A third account said the Dnepr dropped into the Indian Ocean.

Originally set for June 28, the launch had been postponed until July 26. The CubeSat project was a collaboration between California Polytechnic State University-San Luis Obispo and Stanford University's Space Systems Development Laboratory. All of the CubeSats were designed and built by students at various universities in the US and elsewhere in the world. The CubeSat roster included AeroCube-1, CP-1, CP-2, ICE Cube-1, ICE Cube-2, ION,

HAUSAT-1, KUTESat, MEROPE, nCube-1, RINCON, SACRED, SEEDS, PiCPoT and Voyager.

Thirteen of the satellites were to have downlinks in the Amateur Radio satellite allocation between 435 and 438 MHz, and one was to operate on 145.980 MHz. None of the spacecraft carried a transponder. Transmitter power outputs ranged from 10 mW to 2 W.

The Dnepr was the second to launch this month from Baikonur's Area 109. Other payloads included BelKA, the first Belarusian satellite, and three other microsattellites. According to Satellite Launch Report, the original Dnepr launcher was replaced by a different one in June after a problem was detected in the original vehicle's digital flight control system.

The Dnepr launch failure was said to be the first in seven orbital launch attempts. The Dnepr vehicle is a repurposed SS-18 "Satan" three-stage intercontinental ballistic missile, originally designed in the 1980s to compete with the US Peacekeeper missile. The START 2 treaty allowed up to 150 of the missiles to be converted for use as space launchers.

The Russian space agency has convened a special commission to look into the cause of the malfunction.

### FIRST ARRL ONLINE AUCTION PLANNED FOR OCTOBER

The ARRL may be giving eBay and the other auction sites a little competition in the Amateur Radio arena this fall when the first ARRL Online Auction gets under way. Auction proceeds will help to support the League's educational services and programs. The event now is in the planning stages, says ARRL Business Services Manager Deb Jahnke, K1DAJ.

"We will soon embark on an exciting new venture," Jahnke said in providing the broad strokes of the online auction to ARRL Headquarters staff members. Jahnke and her Business Services team will organize and manage the event, which is planned for late October -- the exact dates haven't been set yet -- and she promises it will be lots of fun.

"This will not be just another boring auction, because we plan to include many unique and special items related to Amateur Radio," she said. "We are hoping to offer items that will interest our audience, ranging from DXpedition vacation rentals to restored Collins 75A4s." Jahnke says this inaugural online auction will be limited to 100 items.

The auction will be open to all -- ARRL members and otherwise. Bidders just need online access to take part. "With an online auction, we can reach potential bidders across the nation and around the

world," Jahnke pointed out.

Jahnke says she anticipates that the online auction will be open for about two weeks, and participants will need to register in advance. At this stage, she says, the auction planners are seeking additional ideas but no auction booty as yet. Contact Jahnke via e-mail "<[djahnke@arrl.org](mailto:djahnke@arrl.org)>".

#### SWAIN'S ISLAND IS NEWEST DXCC ENTITY

A recent addition to the DXCC rules has led to the designation of Swain's Island (KH8) as the 337th DXCC entity. A brief inaugural DXpedition operating under the call sign KH8SI was to get under way soon.

In June, the ARRL DXCC Desk announced the addition of a Paragraph (c) under Section II, DX List Criteria, 1. Political Entities of the DXCC Rules: "The Entity contains a permanent population, is administered by a local government and is located at least 800 km from its parent. To satisfy the 'permanent population' and 'administered by a local government' criteria of this subsection, an Entity must be listed on either (a) the US Department of State's list of 'Dependencies and Areas of Special Sovereignty' as having a local 'Administrative Center,' or (b) the United Nations' list of 'Non-Self-Governing Territories.'"

The new language effectively reclassified American Samoa as a political entity for DXCC purposes.

Subsequently, the DX Advisory Committee and the Awards Committee concurred with a request, accompanied by substantiating evidence, and added Swain's Island to the DXCC List as the first "separation entity" from American Samoa.

"The distance between American Samoa and Swain's Island has been determined to be in excess of 350 km as required by DXCC Rules Section II, Paragraph 2, Section b)," the DXCC Desk said. Contacts made with Swain's Island on or after 0001 UTC on July 22, 2006, will count for DXCC credit.

For more information, including the DXCC Reference Number for Swain's Island, contact the DXCC Desk "<[dxcc@arrl.org](mailto:dxcc@arrl.org)>".

#### HAMS, MONITORING ENTHUSIASTS INVITED TO AID WILDLIFE RESEARCHERS

Wildlife researchers are asking radio amateurs and VHF monitoring enthusiasts to help listen for radio tag signals from migrating birds. A non-profit organization in New Mexico wants to find the wintering grounds of the burrowing owl, which summers in the grasslands of Kirtland Air Force Base.

"Twenty-eight of the birds have been fitted with pulsing radio-tags near 172 MHz, and attempts will be made to track them by aircraft to see if they go east toward Texas, west to California, or south to Mexico," says ARRL Amateur

Radio Direction Finding (ARDF) Coordinator Joe Moell, K0OV. "It's likely that aircraft will lose contact with most of the owls, so volunteers throughout southwestern states and northern Mexico are being asked to listen for them."

Moell said July 25 that the birds "will start moving any day now."

Meanwhile, researchers at two Toronto universities are radiotagging 20 young purple martins at a breeding colony in Edinboro, Pennsylvania.

"These beautiful birds are expected to start flying south in mid-August, probably to winter grounds in South America," Moell says. "Hams in southern states from Texas through Florida are asked to be listening and possibly detect the flyovers."

He says those living in the migration zones and can receive 172 MHz signals can help. "If you have radio-direction finding equipment for VHF, so much the better," he adds.

Moell's "Homing In" Web site <<http://www.homingin.com/>> has much more information on these projects. The site includes frequencies and equipment suggestions as well as a descriptions of the unique characteristics of wildlife tags to help listeners distinguish them from other signals they may encounter at 172 MHz. The site also tells how to join the BIOTRACKERS mailing list for the latest updates.

### PACKET UPDATE .....

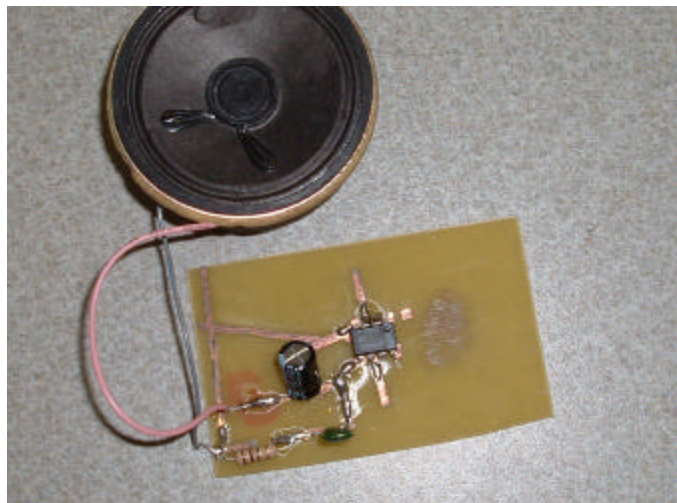
Companies are always coming out with new digital interfaces for our radios. West Mountain Radio has come out with a new interface to use with your computer sound card to do digital modes. They call it the Rigblaster plug and play. The unit plugs into the USB port on your computer and the your sound card. The other end of the cable is hooked directly to the data port of your radio, making up the audio in and out connections along with the line need to key the rig. Just plug in the unit to computer and back of radio and you are ready to go. They make the units with plug adapters to fit all the popular radios. The unit is compatible with all the radio soundcard programs. It is a simple way to get into all the digital modes being used on HF for about one hundred dollars. The unit even has a built in CW keying circuit for Keyboard CW operation. If you are looking for a digital interface for your rig check out his one WEST MOUNTAIN RADIO. For more information their web address is <http://www.westmountainradio.com/>

James Butler, KB4LJV

### AMATEUR HARDWARE UPDATE .....

Many of us build or run QRP rigs. Many QRP radios are made for extra low power consumption. This means that they typically do not have an audio amplifier to run a speaker. They are made to run headphones only. The early Heathkits HW-7 and HW-8 were made to run high impedance headphones only. This month's project is to build up a simple audio amplifier board to amplify the audio and provide enough power to drive a speaker. The project uses an amplifier chip, the LM386. With the addition of a few external components we can design the amplifier to give use the gain we want to drive a speaker. The chip data sheet, along with circuit diagrams, are available on the internet. The picture is of a homemade circuit board with the chip and speaker hooked up. This makes it a lot more comfortable to listen to for long periods instead of using headphones. The chip can be bought for under \$2.00 and makes an easy project for those wanting to run speakers on these rigs.

James Butler, KB4LJV





# AUGUST

2006

<i>Sun</i>	<i>Mon</i>	<i>Tue</i>	<i>Wed</i>	<i>Thu</i>	<i>Fri</i>	<i>Sat</i>
		<b>1</b> Dana, WI3B George, N3ISH	<b>2</b>	<b>3</b> <b>MARA Club Meeting</b> <b>7:00 PM</b>	<b>4</b> Vicki, KF4DJS	<b>5</b>
<b>6</b>	<b>7</b>	<b>8</b> <b>Delta Club Meeting</b> <b>7:00 PM</b> Heidi, KC4ZOU	<b>9</b>	<b>10</b> Leslie Moore	<b>11</b>	<b>12</b>
<b>13</b> Bill, KC4SXT	<b>14</b>	<b>15</b>	<b>16</b> Norman, KA4AEF	<b>17</b> Art, K4SHJ	<b>18</b>	<b>19</b>
<b>20</b>	<b>21</b> David, KC5GGE	<b>22</b> <b>Shelby Cty.,</b> <b>ARES</b> <b>6:45 PM</b> Cornelia Richardson	<b>23</b> Suresh, N9GSA Ben, KU4AW	<b>24</b> Scott, K5SJ	<b>25</b>	<b>26</b>
<b>27</b>	<b>28</b> Richard, W0SZP	<b>29</b>	<b>30</b> David, KD4NOQ James, AG4KM	<b>31</b> Rex, KB2WGP		

# SEPTEMBER

2006

<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> Wil Pace
<b>3</b> Roger, KI4AJH Richard, KN4AG	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b> <b>MARA Club Meeting</b> <b>7:00 PM</b>	<b>8</b>	<b>9</b>
<b>10</b> Terry, KB4KA	<b>11</b>	<b>12</b> <b>Delta Club Meeting</b> <b>7:00 PM</b>	<b>13</b> John, KA4RXP	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b>	<b>19</b> James, KG4YKY Jim, KN4F	<b>20</b> Marjorie, KF4NZA David, KU4AS	<b>21</b>	<b>22</b>	<b>23</b> Mike, W5CHR Bill, KG4VAW
<b>24</b> Ken, K4DIT	<b>25</b>	<b>26</b> <b>Shelby Cty., ARES</b> <b>6:45 PM</b>	<b>27</b> Mark, KB4MFD	<b>28</b>	<b>29</b>	<b>30</b>



**CONTEST CALENDAR**

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

**Worked All Europe DX Contest** -- CW, sponsored by the Deutscher ARC from 0000Z Aug 12-2359Z Aug 13 (Phone is Sep 9-10; RTTY is Nov 11-12). Frequencies: 80-10 meters according to Region 1 band plan. For more information: [www.waedc.de](http://www.waedc.de).

**Maryland-DC QSO Party** -- CW/Phone, sponsored by the Antietam Radio Association from 1600Z Aug 12-0400Z Aug 13 and 1600Z-2359Z Aug 13. Frequencies (MHz): CW -- 3.643, 7.060, 14.060, 21.060, 28.035, Phone -- 1.895, 3.920, 7.230, 14.270, 21.370, 28.370, VHF/UHF - 50.150, 52.525, 144.15, 146.55, 146.580, 432.15, 446.000. For more information: [www.w3cwc.org/rules.html](http://www.w3cwc.org/rules.html).

**SWOT Hot-Rock Shootout** -- CW/SSB/Digital, sponsored by Sidewinders On Two Radio Club from 0000Z Aug 10-2359Z Aug 16. Frequencies (MHz): 144 only. For more information: [www.swotrc.net](http://www.swotrc.net)

**ARRL 10 GHz and Up Contest** -- 6 AM local Aug 19-12 AM (midnight) local Aug 20 (see announcement elsewhere in this issue).

**North American QSO Party** -- SSB, sponsored by the *National Contest Journal* from 1800Z Aug 19-0600Z Aug 20 (see Aug 5-6).

**SARTG WW RTTY Contest** -- sponsored by the Scandinavian Amateur Radio Teleprinter Group from 0000Z-0800Z and 1600Z-2400Z Aug 19 and 0800Z-1600Z Aug 20. Frequencies: 80-10 meters. For more information: [www.sartg.com](http://www.sartg.com).

**Keymen's Club of Japan Contest** -- CW, sponsored by the Keymen's Club of Japan from 1200Z Aug 20-1200Z Aug 21. Frequencies: 160-6 meters (JA allocations on 160 are 1.810-1.825, 1.908-1.912 MHz). For more information: [www.jarl.com/kcj](http://www.jarl.com/kcj).

**New Jersey QSO Party** -- CW/Phone, sponsored by Englewood ARA from 2000Z Aug 19-0700Z Aug 20 and 1300Z Aug 20-0200Z Aug 21. Frequencies (MHz): 1.810, 3.535, 7.035, 14.035, 21.100, 28.100, SSB -- 3.950, 7.235, 14.285, 21.355, 28.400, VHF/UHF 50-50.5 and 144-146 MHz. For more information: [www.ql.net/w2rj](http://www.ql.net/w2rj).

**International Lighthouse and Lightship Weekend** -- CW/SSB/Digital, sponsored by ILLW from 0001Z Aug 19-2359Z Aug 20. Frequencies: CW -- 21 kHz above band edge; SSB -- 51 kHz above band edge. For more information: <http://illw.net/index.html>.

**Russian District Award Contest** -- CW/SSB, sponsored by the Tambov Award Group and Russian Contest Club from 1400Z Aug 19-0800Z Aug 20. Frequencies: 160-10 meters. For more information: [http://rdaward.org/rda\\_contest1.htm](http://rdaward.org/rda_contest1.htm).

**Silent Key Memorial Contest** -- CW, sponsored by the QRP ARCI from 1500Z-1800Z Aug 19. Frequencies (MHz): 1.810, 3.560, 7.030, 7.040, 14.060, 21.060, 28.060. For more info r-

**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.

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

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@bellsouth.net](mailto:bktrough@bellsouth.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)



mation: [www.qrparci.org](http://www.qrparci.org).

**Ohio QSO Party** -- CW/SSB, sponsored by the Mad River Radio Club from 1600Z Aug 26-0400Z Aug 27. Frequencies (MHz): CW -- 3.545, 7.045, 14.045, 21.045, 28.045; SSB -- 3.850, 7.225, 14.250, 21.300, and 28.450. For more information: [www.oqp.us](http://www.oqp.us).

**Hawaii QSO Party** -- CW/Phone/RTTY/PSK31, sponsored by the Koolau ARC from 0700Z Aug 26-2200Z Aug 27. Frequencies: 160-10 meters. For more information: [www.karc.us/hi\\_qso\\_party.html](http://www.karc.us/hi_qso_party.html).

**ALARA Contest** -- CW/SSB, sponsored by the Australian Ladies Amateur Radio Association from 0600Z Aug 26-1159Z Aug 27. Frequencies (MHz): 80-10 meters. For more information: <http://alara.org.au>.

**YO-DX Contest** -- CW/SSB, sponsored by the Romanian Amateur Radio Federation (RARF) from 1200Z Aug 26-1200Z Aug 27. Frequencies: 80-10 meters. For more information: [www.hamradio.ro/contests/yodx\\_eng.pdf](http://www.hamradio.ro/contests/yodx_eng.pdf).

**SARL HF DX Contest** -- CW, from 1230Z-1630Z Aug 27 (see Aug 5-6).

**SCC RTTY Championship** -- sponsored by the Slovenian Contest Club from 1200Z Aug 26-1159Z Aug 27. Frequencies: 80-10 meters. For more information: <http://lea.hamradio.si/~scc/rtty/htmlrules.htm>

**Summer VHF/UHF QSO Party** -- SSB/CW/FM, sponsored by the Colorado QRP Club from 1600Z-2000Z Aug 27. Frequencies: 6 meters, 2 meters and 70 centimeters, 5 W output maximum, use recognized simplex frequencies according to the ARRL band plan, do not use the national simplex frequencies of 146.52 or 446.000 MHz. For more information: [www.cqc.org/contests](http://www.cqc.org/contests).

**All-Asian DX Contest** -- Phone, 0000Z Sep 2-2400Z Sep 3 (see June *QST*, p 98, or [www.jarl.or.jp/english](http://www.jarl.or.jp/english)).

**IARU Region 1 Field Day** -- SSB, sponsored by IARU Societies from 1300Z Sep 2-1300Z Sep 3 (see June *QST*, p 98), logs due 16 days after the contest to [ssbfd.logs@rsgbhfcc.org](mailto:ssbfd.logs@rsgbhfcc.org).

**DARC 10-Meter Digital Contest** -- Digital Modes -- sponsored by the Deutsche Amateur Radio Committee from 1100Z-1700Z Sep 3. Frequencies (MHz): 28.050-28.150 on RTTY, PACTOR, PSK31, AMTOR, CLOVER. For more information: [www.darc.de/referate/dx/cqdlcont/fgdcc.htm](http://www.darc.de/referate/dx/cqdlcont/fgdcc.htm)

**MI QRP Labor Day CW Sprint** -- 2300Z Sep 4-0300Z Sep 5 (see Jan *QST*, p 101, or [www.qsl.net/miqrclub](http://www.qsl.net/miqrclub)).

**Russian RTTY WW Contest** -- sponsored by *Radio Magazine* from 0000Z-2400Z Sep 2. Frequencies: 80-10 meters. For more information: [www.radio.ru/cq/contest/rule-results/index2.shtml](http://www.radio.ru/cq/contest/rule-results/index2.shtml).

**North American Sprint** -- CW, 0000Z-0400Z Sep 10 (see Feb *QST*, page 99 or [www.ncjweb.com](http://www.ncjweb.com)).

**YLRL Howdy Days** -- CW/SSB, sponsored by the YL Radio League from 1400Z Sep 12-0200Z Sep 14, work 24 out of the 36 hour period. Try frequencies ending in 33 or 88, such as 7.233 and 14.288. For more information: [www.ylrl.org](http://www.ylrl.org).

**WAE DX Contest** -- SSB, 0000Z Sep 9-2359Z Sep 10 (see Aug *QST*, p 88, or [www.darc.de/referate/dx](http://www.darc.de/referate/dx)).

**ARRL September VHF QSO Party** -- 1800Z Sep 9-0300Z Sep 11 (see Aug *QST*, p 88).

**Second-Class Operators Club (SOC) Marathon Sprint** -- CW, from 1800Z to 2400Z Sep 9. (Most sprints run four hours, but since we're Second Class Ops, we need more time!) Frequencies: 160-10 meter QRP calling frequencies. For more information: [www.qsl.net/soc](http://www.qsl.net/soc).

**Tennessee QSO Party** -- CW/Phone/Digital, sponsored by the Tennessee Con-

test Group from 1800Z Sep 10-0100Z Sep 11. Frequencies (MHz): CW -- 1.815, 3.540, 7.040, 14.040, 21.040, 28.040; SSB -- 1.855, 3.900, 7.240, 14.280, 21.390, 28.390; Novice/Tech -- 3.700, 7.130, 21.140, 28.140, 28.390; VHF/UHF -- 50.195, 144.195, 146.55, 223.5, 446.0. No repeater or digipeater QSOs. For more information: [www.k4ro.net/tcg/tqp/tqp06\\_rules.html](http://www.k4ro.net/tcg/tqp/tqp06_rules.html).

**G3ZQS Memorial Straight Key Contest** -- CW, sponsored by FISTS, from 2300Z Sep 8-2300Z Sep 10. Use straight keys to be eligible for awards. Frequencies: 80-10 meters. For more information: [www.fists.org](http://www.fists.org).

#### SPECIAL EVENTS

**Aug 8-Aug 14, 1300Z-1700Z**, Sycamore, IL. Amateur Operators of the Northern Illinois Steam Power Club, W9S. 50<sup>th</sup> Anniversary of Northern Illinois Steam Power Show. 28.390 14.268 7.268 3.990. Certificate. Bob Yurs, W9ICU, 1107 Commercial St, Sycamore, IL 60178. [www.w9icu.com](http://www.w9icu.com).

**Aug 11-Aug 13, 2200Z-1900Z**, Oscoda, MI. Wurtsmith Division Yankee Air Force, W8Y. Annual Fly-in and Pancake Breakfast. 28.365 14.265 7.265. Certificate. Wurtsmith Division Yankee Air Force, PO Box 664, Oscoda, MI 48750. [www.wurtsmith-yaf-museum.org](http://www.wurtsmith-yaf-museum.org).

**Aug 12, 1300Z-2000Z**, Baltimore, MD. Social Security Employees Amateur Radio Club, W3SSA. 71<sup>st</sup> Anniversary of the Social Security Act. 14.280 7.280. Certificate. Greg Stec, K3ANG, 1624 Pickett Rd, Lutherville, MD 21093. *Electronic certificate available*, e-mail [ac3p@arrl.net](mailto:ac3p@arrl.net).

**Aug 12, 1330Z-2130Z**, Hawley, PA. Science Camp Watonka, KB3BUM. 8<sup>th</sup> Annual Event. 28.440 21.340 14.240 7.240. Certificate. Camp Watonka ARC, PO Box 127, Hawley, PA 18428. [www.watonka.com](http://www.watonka.com).

**Aug 12, 1400Z-2000Z**, Newark, OH. Central Ohio Operators Klub Extra-

Novice, W8TNX. Commemorating Johnny "Shiloh" Clem, youngest Army NCO. 18.160 7.250. Certificate. COOKEN, 1010 Blacks Rd SE, Hebron, OH 43025. [www.cooken.org](http://www.cooken.org).

**Aug 12, 1500Z-2100Z**, Van Buren, IN. Grant County Amateur Radio Club, W9EBN. 34<sup>th</sup> Annual Popcorn Festival. 146.79 14.260 7.260. Certificate. Bart Bartholomew, WA9SPT, 6981 N E00 W, Marion, IN 46952. [www.grantarc.com](http://www.grantarc.com).

**Aug 12-Aug 13, 0000Z-2359Z**, San Angelo, TX. AB5BG. Honoring the Native American Codetalkers of WWII. 40 20 15 meters. Certificate. Don Goff, 1210 Ardmore, San Angelo, TX 76905.

**Aug 12-Aug 19, 0000Z-2359Z**, Royal Oak, MI. K8W. 12<sup>th</sup> Annual Woodward Dream Cruise. 14.250 21.400 7.250 3.950. QSL. K8W, 27120 Barrington St, Madison Hts, MI 48071.

**Aug 12-Aug 21, 1600Z-2000Z**, Indianapolis, IN. Indiana State Fair ARC, W9ISF. 150th Indiana State Fair. 21.340 14.240 7.240 3.860. QSL. W9ISF, PO Box 18495, Indianapolis, IN 46218-0495.

**Aug 13, 1400Z-2100Z**, Punta Gorda, FL. Peace River Radio Association, W4DUX. Commemorating the second anniversary of Hurricane Charley coming onshore at Gilchrist Park. 20 m. QSL. Gino Geranti, KE4TJO, 391 Kenova St, Port Charlotte, FL 33954. .

**Aug 13-Aug 14, 1400Z-2359Z daily**, Window Rock, AZ. Navajo Amateur Radio Club, N7C. The Navajo Code Talkers Days. 14.265 7.265. QSL. Herbert Goodluck, N7HG, PO Box 3611, Window Rock, AZ 86515.

**Aug 17, 1500Z-2300Z**, Richmond, IN. Whitewater Valley Amateur Radio Club, K9R. 200<sup>th</sup> birthday of Richmond. 14.265 7.265. QSL. Whitewater Valley ARC, 1417 N A St, Richmond, IN 47374. [www.qsl.net/wwvarc](http://www.qsl.net/wwvarc).

**Aug 18-Aug 19, 1400Z-2100Z**, North Augusta, SC. North Augusta-Belvedere

Radio Club, K4NAB. North Augusta at 100. 14.260 14.033 7.260 7.033. Certificate. A.W. Schoenfelder, 2011 Arch Dr, North Augusta, SC 29841-3047.

**Aug 18-Aug 26, 1500Z-0300Z**, Lebanon, TN. Wilson Amateur Radio Club, W4C. Wilson County Fair -- Tennessee's Best Fair. 14.245 7.245 7.044 3.970. QSL. Greg Tomerlin, 1562 Walnut Grove Rd, Lebanon, TN 37090. [www.wilsonarc.org](http://www.wilsonarc.org).

**Aug 18-Aug 28, 0000Z-2400Z**, Salt Lake City, UT. Utah DX Association, K7T. Philo T. Farnsworth 100<sup>th</sup> birthday - Electronic Pioneer. All Bands. Certificate. QSL Mgr Wesley Wilkinson, W7WES, 7363 Galaxy Hill Rd, West Jordan, UT 84084. [www.udxa.org](http://www.udxa.org).

**Aug 19, 1400Z-2100Z**, Alliance, OH. Alliance Amateur Radio Club, W8LKY. Carnation Days In the Park. 21.250 14.058 14.045 7.148. Certificate. AARC -- W8LKY, PO Box 3344, Alliance, OH 44601. [www.w8lky.org](http://www.w8lky.org).

**Aug 19, 1400Z-2400Z**, Muskegon, MI. Muskegon Area Amateur Radio Council, W8ZHO. Club celebrating sixty-five years affiliated with the ARRL. 14.260 7.280 3.950. QSL. MAARC, W8ZHO, PO Box 691, Muskegon, MI 49443. [www.qsl.net/w8zho](http://www.qsl.net/w8zho).

**Aug 19-Aug 20, 0000Z-2359Z**, Eagle Harbor, MI. Area Amateurs, K8E. International Lighthouse/Lightship Weekend from Eagle Harbor Lighthouse and two range lights. 14.275 14.030 7.275 7.030. Certificate. N8MR, 14071 Fairway, Livonia, MI 48154. [www.kc8nah.com/Interests/EagleHarbor/illw06.htm](http://www.kc8nah.com/Interests/EagleHarbor/illw06.htm).

**Aug 19-Aug 20, 0000Z-2359Z**, Port Hope, MI. Milford Amateur Radio Club, K8S. International Lighthouse and Lightship Weekend from Pointe Aux Barques Lighthouse (USA-615). 28.370 21.270 14.270 7.270. Certificate. Gary Sklar, K8IKW, 7296 Green Farm Rd, West Bloomfield, MI 48322. [www.qsl.net/w8ydk](http://www.qsl.net/w8ydk).

**Aug 19-Aug 20, 1300Z-2100Z**, Sea Girt, NJ. North America DX Association/Neptune Amateur Radio Club, WR2DX. International Lighthouse/Lightship Weekend. 14.260 7.260. QSL. North America DX Association, PO Box 357, Bradley Beach, NJ 07720.

**Aug 20, 1300Z-2000Z**, Southold, NY. Peconic Amateur Radio Club, W2AMC. ILLW Horton Point Lighthouse (USA-387). 14.270 7.270. QSL. Peconic ARC, PO Box 113, Peconic, NY 11958. [www.peconic-arc.org](http://www.peconic-arc.org).

**Aug 25-Aug 27, 1200Z-2400Z**, Poplar Forest, VA. Lynchburg Amateur Radio Club, N4J. 200<sup>th</sup> Anniversary -- President Thomas Jefferson's Retreat Home. 28.345 18.145 14.245 7.245 6 and 2 m. QSL. Ed Narwid, W4OAF, 1799 Otter Hill Rd, Bedford, VA 24523. [www.k4cq.net](http://www.k4cq.net)

**Aug 26, 0700Z-1900Z**, Sacramento, CA. Amateur Radio Emergency Communication Volunteers, N6S. California State Fair -- introducing non-amateurs to emergency communications. 14.250 7.250 146.520 147.195. QSL. Patrick Schamun, N6ARO, 8237 Tiki Ln, Sacramento, CA 95828. [n6aro@arri.net](mailto:n6aro@arri.net).

**Aug 26, 1200Z-2000Z**, Manassas, VA. Ole Virginia Hams Amateur Radio Club Inc, W4OVH. Civil War Battle of 2nd Manassas. 28.462 21.362 14.262 7.262. Certificate. Ole Virginia Hams ARC Inc, PO Box 1255, Manassas, VA 20108. [www.w4ovh.net](http://www.w4ovh.net).

**Aug 26-Aug 27, 1600Z-0400Z**, Higginsport, OH. Cincinnati FM Club, W8B. Ohio QSO Party. 7.225 7.045 3.850 3.545. QSL. Hank Greeb, N8XX, 5727 11 Mile Rd NE, Rockford, MI 49341-9502.

**Aug 26-Sep 3**, Shelby, NC. Shelby Amateur Radio Club, W4NYR. 50th Anniversary of Shelby Hamfest. General HF bands. QSL. SARC Special Event, PO Box 2206, Shelby, NC 28151-2206. [www.shelbyhamfest.org](http://www.shelbyhamfest.org).

**Aug 27, 1400Z-2100Z**, Hanover, KS. Crown Amateur Radio Association, KØASA. Hollenberg Pony Express Station Festival. 18.085 14.245 14.040 7.125. Certificate. Crown Amateur Radio Association, 11551 W 176<sup>th</sup> Terr, Olathe, KS 66062. [www.kshs.org/places/hollenberg/index.htm](http://www.kshs.org/places/hollenberg/index.htm).

**Aug 30-Sep 4, 1400Z-0400Z**, Canfield, OH. 20 over 9 ARC, W8F. 160<sup>th</sup> Canfield Fair. 28.310 21.310 14.310 7.250. Certificate. Don Stoddard, KI8SS, 55 S Whitney Ave, Youngstown, OH 44509. [www.qsl.net/20over9](http://www.qsl.net/20over9).

**Sep 1-Sep 2, 2100Z-2100Z**, Brady, TX. Heart of Texas Ham Operators Group, WA5HOT. World Championship Barbecue Goat Cookoff. 21.360 14.250 7.295 3.875. Certificate. HOT-HOG, c/o Rick Melcer N5KAO, PO Box 1021, Brady, TX 76825. [www.hothog.org](http://www.hothog.org).

**Sep 1-Sep 11, 0000Z-2400Z**, Salt Lake City, UT. Utah DX Association, K7T. 79<sup>th</sup> Anniversary Electronic TV -- Philo T. Farnsworth. All Bands. QSL. Wesley Wilkinson, W7WES, 7363 Galaxy Hill Rd, West Jordan, UT 84084. [www.udxa.org](http://www.udxa.org).

**Sep 2-Sep 4, 1900Z-1600Z**, Paradise, AZ. Cochise Amateur Radio Association, K7RDG. 27<sup>th</sup> Anniversary Trek to Ghost Town of Paradise, AZ. 21.307 18.115 14.307 7.230. Certificate. Cochise ARA, PO Box 1855, Sierra Vista, AZ 85636-1855. [www.k7rdg.org](http://www.k7rdg.org).

**Sep 4, 1200Z-2400Z**, Nutley, NJ. Robert D. Grant United Labor Amateur Radio Association, N2UL. CQ Labor Day. 28.420 12.260. Certificate. RDGULARA, c/o WA2VJA, 112 Prospect St, Nutley, NJ 07110-0716. <http://rdgulara.org>.

**Sep 7-Sep 10, Thurs 2000Z-0200Z; Fri 1600Z-0300Z; Sat 1300Z-0300Z; Sun 1300Z-2200Z**. Hebron,

CT. Newington Amateur Radio League, WIH. Lions Hebron Fair Special Event Station. 50.150 28.365 21.325 14.255. QSL. Rich Lawrence, KB1DMX, 335 Lloyd St, Newington, CT 06111. [www.narl.net](http://www.narl.net).

**Sep 8, 1400Z-2300Z**, Kent, OH. Portage County Amateur Radio Service, KD8CKP. Kent State University Black Squirrel Festival. 21.337 14.237 28.337 7.237. Certificate. Al Atkins, KB8VJL, 12433 Chamberlain Rd, Aurora, OH 44202. [www.portagearc.org](http://www.portagearc.org).

**Sep 8-Sep 9, 1500Z-2200Z**, Lake Ozark, MO. Lake of the Ozarks ARC, WØW. Bagnell Dam 75<sup>th</sup> Anniversary Celebration. 14.273 7.273. Certificate. Scott Poest, 37 Shadow Oaks Rd, Camdenton, MO 65020. [www.loarc.com](http://www.loarc.com).

**Sep 8-Sep 10, 0001Z-2400Z**, Wellsville, MO. Wellsville Radio Group, WØS. Celebrating Wellsville, MO sesquicentennial (150 years). 21.040 14.040 7.235 3.963. Certificate. H. R. Thompson, K2HT, PO Box 95, Wellsville, MO 63384.

**Sep 9, 0300Z-1100Z**, Sugarland, TX. Ft Bend County EMROG, W9E. Honor those who gave their lives during 9/11. 14.260 7.260. QSL. KD5HAL -- EMROG, 1055 Three Forks, Katy, TX 77450.

**Sep 9, 1300Z-2000Z**, North Judson, IN. Starke County Amateur Radio Club, W9JOZ. Hoosier Valley RR Museum Open House. 145.41 14.240 7.240. QSL. SCARC, 405 W Jackson St, Knox, IN 46534. [www.w9joz.org](http://www.w9joz.org).

**Sep 9-Sep 10, 0000Z-2400Z**, Henri-Chapelle WWII American Military Cemetery, Belgium. GDV Group, ON4USA. To honor the memory of all men who gave their lives in WWII. 21.250 14.205 14.044 7.044. QSL. Groupement radio-amateur De Verviers, Post Office Box 11, En-

sival/Verviers, Belgium B-4800. [www.qsl.net/on4usa](http://www.qsl.net/on4usa).

**Sep 9-Sep 10, 0000Z-2400Z**, Staten Island, NY. Boy Scouts of America/Empire Contest Club, W2006WTC. 5<sup>th</sup> Anniversary of the World Trade Center. 28.450 21.440 14.340 7.200. QSL. John Nistico, NY6DX, 26 John St, Sayville, NY 11782.

**Sep 9-Sep 10, 1300Z-2300Z**, Moscow, PA. Northeast Pennsylvania Special Event Club, KV3T. The World Remembers -- 9/11 Terrorist Attacks. 14.240 14.045 7.240 3.840. QSL. David Samsell, W3LOW, 923 Clearview Rd, Moscow, PA 18444. <http://kv3t.tripod.com/>.

**Sep 9-Sep 17, 0001Z-2400Z**, San Bernadino, CA. Citrus Belt Amateur Radio Club, W6A through W6Q. Route 66 On-the-Air. 21.366 14.266 14.166 7.266. Certificate. Citrus Belt Amateur Radio Club, PO Box 3788, San Bernadino, CA 92413. [www.qsl.net/w6jbt](http://www.qsl.net/w6jbt).

**Sep 10, 1300Z-1900Z**, Brooklyn, NY. Kings County Repeater Association, KC2RA. September 11<sup>th</sup> Memorial Special Event. 21.315 14.305 7.230 3.880. QSL. Kings County Repeater Association, PO Box 280288, Brooklyn, NY 11228. [www.kc2ra.com](http://www.kc2ra.com).

**Sep 10, 1600Z-2200Z**, Boulder, CO. Boulder Amateur Radio Club Youth Auxiliary, K1D. Anniversary of Boulder Amateur Radio Club Kids Auxiliary. 21.325 14.325. Certificate. Rich Weingarten, 1133 Northridge Dr, Erie, CO 80516. [www.qsl.net/w0dk](http://www.qsl.net/w0dk).

**Sep 10, 1700Z-2000Z**, Cranston, RI. Meshanticut Park Church, W1L. Launch Sunday, say "Hello" to Ham Radio. 21.230 14.250 7.280 146.420. Certificate. Meshanticut Park Church, 180 Oaklawn Ave, Cranston, RI 02920. [www.mpceri.org](http://www.mpceri.org).

**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

**LOCAL HAMFESTS OF INTEREST**

**Huntsville Hamfest Association**

Von Braun Center (South Hall)  
700 Monroe Street  
Huntsville, AL  
19-20 Aug 2006

**Cedars of Lebanon Short Mountain Hamfest**

Gladeville Community Center  
95 McCreary Road  
Gladeville, TN  
26 Aug 2006

**Delta Amateur Radio Club  
July 2006 Treasurers Report**

<b>Balance 07/04/2006</b>	<b>\$6,766.51</b>
<b><u>Expense</u></b>	
BellSouth	\$60.24
Rick Bonds (FD Fuel 2005)	\$30.00
Darrell Sheffield (FD Fuel 2006)	\$56.25
U of M	<u>\$137.66</u>
<b>Total Expense</b>	<b>\$284.15</b>
<b><u>Income</u></b>	
Membership Dues	\$90.00
Membership Donations	\$30.00
PO Box Reimbursement	<u>\$11.00</u>
<b>Total Income</b>	<b>\$131.00</b>
<b>Balance 08/01/2006</b>	<b>\$6,613.36</b>

Beginning balance reflects a deposit error from June 9, 2006

**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**

**2006 Board of Directors**

***President***

Darrell Sheffield, KK4D  
901-277-3367 (Lt4FandD@aol.com)

-

***Vice President***

Vacant

-

***Secretary***

Lisa Sheffield, KI4DIL  
901-277-8144 (SassGirlsMom@aol.com)

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***Treasurer***

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***Director of Training***

Vacant

-

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901-497-4132 (paulsonrj@bellsouth.net)

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901-372-8031 (bktrough@bellsouth.net)

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***Director of Meetings and Special Events***

Dean Honadle, N2LAZ  
901-353-1207 (dean@honadle.com)

-

***Repeater Trustee***

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901-752-5900 (skagoo@midsouth.rr.com)

-

***Past President (2004 & 2005)***

Ned Savage, KA4BLL  
901-363-9607 (ka4bll@arrl.net)