

DELTA AMATEUR RADIO CLUB

SPARKS

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

AUGUST 2005 CLUB MEETING

DATE: August 9, 2005 (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: Presentation by Tim Curtis, KD5VMV - Director of
DeSoto County Emergency Management

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

Please Remember: Deadline for Reports and Articles for the next issue of SPARKS is Wednesday, August 31th. 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

PRESIDENT'S CORNER

To all of the Delta Amateur Radio Club Members:

The July Club Meeting was well attended, but because of bad weather our program speaker was unable to come to speak. He had to work. We hope to get him to come sometime soon. It seems that each time this year that we have planned a presentation by a civil servant, some disaster event or illness has prevented them attending the meeting. I wonder what is next.

The Delta Club's sponsorship of the annual MS 150 Bike Ride is approaching quickly. Tommy, KD4TJO, is in charge of this event for our club. The Event is a two-day affair, but you do not have to work it for the entire time, although working it for the two days makes it easier for Tommy, and you get the most benefit. There is a "mandatory meeting" for all volunteers put on by the MS Society, and it is usually held on a Saturday afternoon in August. At

this meeting they layout the “do’s and don’ts,” forms for reporting accidents, how they want any accidents reported, and the schedule of events.

The benefits for those who work the event on Saturday include lunch and a Saturday Night supper. Those who work the event on Sunday, a breakfast at the Gold Strike Hotel, and a Bar-B-Q supper at Graceland Sunday afternoon. Those who work both days, attend the meeting, and get their RSVP/reservation in now, get to spend Saturday night at the Gold Strike Hotel for free. You MUST share the room, so pair up with someone you know if you can. If you share the room with someone who is not a volunteer, you will have to pay for their share. The MS 150 folk do not like these arrangements because they can use up too many rooms, but they need volunteers so they seem to tolerate it. We (the Club) are responsible for providing communications - imagine that.

The way we have been this doing this in the past is that we are assigned to a driver of a “sag truck”. These vehicles are provided by a sponsor, Auto Zone, so you don’t have to use your gasoline after you park at Graceland.

Some, such as myself, have not been able to stay the night so we have had someone ferry us back to Graceland on Saturday evening, then provide an early Sunday morning ride down to the Gold

Strike. The Sunday morning ride back must leave Graceland about 4:45 AM in order get there in time to eat breakfast. The bike riders start their 60 to 80 mile return trip to Graceland about 8 AM on Sunday.

PLEASE PLAN TO TRY AND HELP US WITH THIS EVENT.

On another note, the Huntsville, AL Hamfest is coming up on August 20th and 21st. Our friends at the Mid-south Amateur Radio Association, MARA, are going down and back by chartered bus on Saturday. The details are available in the MARA announcement on the next page. The fee is \$ 40 up until the August 9th meeting and \$45 afterwards until the bus is full. They will leave Bartlett, TN at about 6:00 AM, and return about 8 PM. Again, you can enjoy fun with the Memphis Hams and save money on fuel.

Hope To See You
NED KA4BLL

**DARC BOARD MEETING
July 5, 2005**

KA4BLL-Ned Savage called the meeting to order at 7:02. KK4D-Darrell Sheffield, KG4VAW-Bill Torkell, KI4DIL-Lisa Sheffield, KD4TJO-Tommy Thompson, N9GSA-Suresh Kadoo, and N2LAZ- Dean Honadle were present.

KA4BLL-Ned called for the secretary’s report. KI4DIL read

minutes of previous meeting and gave an update for the Delta Club Roster. It was unanimously passed. He then called for the treasurer’s report which KG4VAW-Bill gave and it also passed.

Old Business:

We discussed getting the antenna out N4GMT-Lance Morris’ family member’s barn.

KA4BLL-Ned advised that we need to have a training session as EMA has four people wanting to get licenses.

New Business:

The board discussed changes in policy concerning ticket drawings for next year. We decided to bring it to the membership for discussion.

N9GSA-Suresh gave the board the report on the repeaters. We also discussed ways to lower the monthly phone bill for the repeaters.

KD4TJO-Tommy advised that the EMA of Desoto County would be giving the presentation at the general meeting.

The meeting was adjourned at 8:53 p.m.

Respectfully submitted by:
KI4DIL-Lisa Sheffield
DARC Secretary

**DARC GENERAL
MEMBERSHIP MEETING
July 12, 2005**

KA4BLL-Ned Savage called the meeting to order at 7:05 p.m. with the introduction of the membership. There were 30 members present and 3 guests-1 who was applying for membership.

KA4BLL-Ned called for the treasurer's report, which KG4VAW-Bill gave. KD4TJO-Tommy made the motion to accept and KC4SXT-Bill seconded the motion. Ned then called for the secretary's report, which KI4DIL-Lisa requested to be accepted as published in SPARKS. KF4NDH-Bob made a motion to accept as published and KE4DXN-Melinda seconded.

Old Business: None

New Business:

KA4BLL-Ned brought up whether or not to keep the ticket drawing the same or change to members only. Several suggestions were made. It was decided to put a motion in writing for the membership to vote on.

The scheduled program by Desoto Co. EMA was cancelled until a later date due to the weather conditions. KD4TJO-Tommy gave a presentation titled "A Few Interesting Things about our Fun Hobby of Amateur Radio." It was as fun, light-hearted slide show.

KK4D-Darrell gave the report on

Field day. He thanked everyone who came out and helped to set up and work the phone station. KF4QFW-Eddie gave the report on the digital station. KD4NOQ-David gave the report on the satellite station. We didn't have a report on the CW station.

KI4I-Jim Cissell won the door prize.

The meeting was adjourned at 8:00 p.m.

Respectfully submitted by:
KI4DIL-Lisa Sheffield
DARC Secretary

MARA Huntsville Bus Trip

Mara has again chartered a bus to go to the Huntsville Hamfest on Saturday August 20th.

The bus will leave very promptly at 6:00 am from the Country Club Estates Clubhouse at 2417 Lacosta Drive in Bartlett. The bus will leave the hamfest after the last drawing on Saturday around 4:30 pm. Last year they got back to Memphis around 8:00 pm.

There will be a light breakfast from 5:30 am to 6:00 am at the Clubhouse. There will be coffee, juice, donuts, and ham and biscuits. There will be Cokes and water on the bus going and coming. The bus has very large storage bins underneath for storage and it is possible to bring back very large items such as tower sections and a repeater if you find a good deal on one. Arrangements are

being made to park the bus at the rear door of the hamfest for easy entry and access like last year.

Cost is \$40 until after the Delta Club meeting on August 9th, afterwards it goes to \$45. Call Tony Brignole at 372-2738 or John Parish at 363-7704 for reservations or more information.

Public Service – MS150

As many of you know, the next public service event for the club is the FedEx Rock-n-Roll MS150 bike tour to help raise money to find a cure for Multiple Sclerosis. For several years, Delta Club has been the primary source for providing communications volunteers for this two day event. The dates this year are September 17-18 and looks like it's going to be the biggest MS150 ever for the Mid-South area. Rider registrations are running about 20% ahead of last year.

For those that are new to the hobby or have never worked this event before, it is one of the most fun events that we do each year. Sometimes it's hard to commit to give up your entire weekend but many have made this event a family project each year. Even if your spouse is not a licensed radio operator, if they will volunteer to help at a water station and both of you work on Saturday and Sunday, you can treat them to a free night's stay at the Gold Strike Hotel in Tunica, along with a nice banquet meal on Saturday night, a great

buffet breakfast on Sunday morning and a super BBQ lunch at Graceland Pavilion on Sunday.

Several members have signed up to help this year already but we still need a few more. In most locations, all you need would be a hand held radio but a mobile rig would be better. We will be using the 146.910 repeater in Hernando, MS as our net frequency as it has great coverage over the entire route.

There are positions available in about 10-12 SAG trucks and approximately 7-8 rest stops each day. Each one needs an operator for communications back to net control. We will also use APRS to track the SAG trucks and other key vehicles. This cuts down on radio traffic because if we have an incident reported, we can see which SAG truck is closest to the area without having to make a general call to all trucks to find out their current location. APRS has been a big help in past years and we look forward to using it again. The folks at the Gold Strike have even let us install an APRS digipeater on the roof of their building for this event. It has been in place now for about three years, compliments of David, KD4NOQ.

If you have not volunteered yet and would like to, please contact me for more information or any questions you may have. If you can work one day or both days there is a place for you. We'll be very appreciative of your time and experience. You can reach me either email at kd4tjo@arrl.net, an email link from the public service page on the club

website (there's a list of current volunteers there also) or at my home phone of 901-743-1949 most evenings. I will also be at the club meeting for anyone wishing to ask questions or volunteer at that time.

Thanks from the Mid-South MS Society and me.

73, Tommy, KD4TJO

Technician License Class

To all DeltaARC members: Please pass the following announcement to anyone you know that may be interested in attending a Technician License class.

The DeltaARC will have a Technician License class on September 24, 2005. The place and time have not been finalized but will be advertised in the next issue of the Sparks.

This is a one-day class to assist individuals with preparation for the Technician level license exam. We are anticipating spending about 6 hours of class time and at the conclusion our Volunteer Examiners will conduct a testing session. Students attending this class must have a copy of the ARRL book "Now Your Talking!" 5th edition.

This class is designed to assist students with their understanding of the principles, theory and laws governing the Amateur Radio Service. It is essential that students have studied the textbook prior to the class. The textbook includes

the question pool with answers. The introduction in the textbook introduces the student to the layout of the book and gives suggestions on how to study. As you go through the book make notes of problem areas and bring them to the class. During the class the instructors will address these problems and aid the students in preparation for the exam.

It is recommended that you allow about 3-4 weeks for study prior to the class.

For further information contact John Zempel, KG4OLG at (901) 386-1695 or email kg4olg@arrl.net

From The ARRL Newsletter

CANADA DROPS MORSE REQUIREMENT AS SOLE ADDITIONAL REQUIREMENT FOR HF ACCESS

Industry Canada (IC) has adopted elements of the Radio Amateurs of Canada (RAC) "Proposal on Morse Code and Related Matters" and has essentially removed the requirement for Amateur Radio applicants in that country to obtain a "Morse Qualification" for access to bands below 30 MHz.

"Morse code will no longer be the sole additional requirement by which Canadian radio amateurs will gain access to the HF bands, but it will remain as one valid criterion," Industry Canada said in its Notice announcing the regulatory change. Industry Canada

said it will continue to include Morse code as a consideration in granting access to the HF bands. "However, this is only one criterion and the measure of HF operator abilities should not be limited to this one facet of operator skills," IC added.

Effective immediately, amateurs certified with the Basic Qualification prior to April 2, 2002, and amateurs certified with both Basic and Advanced Qualifications may operate on the HF amateur bands. Licensees holding only the Basic Qualification who were certified after April 1, 2002, and who achieved a passing grade of at least 80 percent also are allowed to operate on HF.

Amateurs certified with the Basic Qualification after April 1, 2002, who did not achieve a score of at least an 80 on the examination will either have to attain the Morse Qualification, write the Advanced test or rewrite the Basic examination and obtain at least an 80 percent grade to obtain HF privileges.

This last requirement is related to a decision to increase the passing grade for the Basic examination to ensure that candidates have been tested in all areas of the syllabus. Details of the Industry Canada decision are in the Canada Gazette Notice <<http://strategis.ic.gc.ca/epic/internet/insmt-gst.nsf/en/sf08435e.html>> and on the Latest News page of the RAC Web site <<http://www.rac.ca/>>.

FCC Amateur Service rules in §97.107(b) grant Canadian control operators "the operating terms and conditions of the amateur service license issued by the Government of Canada" but, in any case, not to exceed the control operator privileges of an FCC-licensed Amateur Extra class operator. §97.107 does not apply to US citizens who may hold Canadian amateur licenses, however.

EDUCATORS QUERY ISS ASTRONAUT VIA HAM RADIO

Some 35 educators attending a NASA Explorer School (NES) program workshop July 20 got the chance to speak via ham radio with astronaut John Phillips, KE5DRY, aboard the International Space Station (ISS). Acting on very short notice, the Amateur Radio on the International Space Station (ARISS) program was able to arrange the contact between NN1SS at Maryland's Goddard Space Flight Center, where the workshop was being held, and NA1SS on the space station. ARISS International Team Chairman Frank Bauer, KA3HDO, reports the contact went very well, and the group got in 15 questions asked and answered.

"The educators derived a lot of benefit from this activity, which they will bring into the NASA Explorer School program," he said. To accommodate the group's size, the Earth station actually used two locations and two sets of equipment, Bauer explained.

"The two-station event was closely choreographed using 70-cm radios, while the two stations could simultaneously hear the full set of questions being asked and the answers from Astronaut John Phillips," Bauer said. Before the QSO, Bauer briefed the educators on the ARISS program.

The contact started and finished at the NN1SS ground station in Goddard's Building 11, where about half of the educators were located. Halfway through the contact, however, with the ISS closer to Goddard, another station a few hundred feet outside Building 11 was put on the air to handle questions from the other half of the group. The second station consisted of a hand-held transceiver and an Arrow antenna to successfully ask six questions. AMSAT President Rick Hambly, W2GPS, aimed the dualband antenna at the ISS, while Dave Taylor, W8AAS, took care of the handheld transceiver.

"The educators, several with tears in the eyes, said this was one of the best events they have experienced." He noted that the QSO took place on the 36th anniversary of the Apollo 11 moon landing. Several educators' questions focused on human physiology issues involved with space travel, while others asked about human exploration of Mars and long-distance space travel.

The NN1SS-NA1SS QSO represented a role reversal of sorts. During most ARISS school group

contacts, the students--not the teachers--ask the questions.

ARISS <<http://www.rac.ca/ariss>> is an international educational outreach with US participation by ARRL, AMSAT and NASA.

VoIP MODES CRITICAL FOR HURRICANE CENTER SUPPORT, WX4NHC SAYS

Radio amateurs using voice over Internet Protocol (VoIP) modes such as EchoLink <<http://www.echolink.org/>> and IRLP <<http://www.irlp.net/>> are doing an outstanding job of supporting forecasters tracking hurricanes. So says WX4NHC Assistant Amateur Radio Coordinator Julio Ripoll, WD4R. The latest example was during WX4NHC activations--in cooperation with the Hurricane Watch Net (HWN) <<http://www.hwn.org/>> --for Hurricane Emily. Ripoll, says VoIP-mode users have supported WX4NHC in collecting ground-level weather data as well as relaying hurricane advisories to residents and agencies in affected areas.

"The EchoLink and IRLP partnership created for hurricanes and severe weather is unique," Ripoll told ARRL, adding that he's seen upward of 100 VoIP connections during storm emergencies, many of which represent repeaters and conference rooms "with untold numbers listening." Ripoll said VoIP modes also have served to connect Red Cross headquarters stations, state emergency operations centers

(EOCs), National Weather Service offices and other agencies.

"The VoIP-WX Net <<http://www.voipwx.net/>> has also added a large number of Technician class operators who were not able to report on HF in the past," he noted. Although it has a defined and trained cadre of regular member-operators, the HWN operates on 14.325 MHz--beyond reach of operators lacking at least a General ticket.

Ripoll said those connecting via VoIP modes often do so using low-power VHF/UHF radios running on battery power via an IRLP or EchoLink-equipped repeater. Ripoll spotlighted WX-Talk Conference Net Manager Kevin Anderson, KD5WX, of Texas, IRLP Reflector 9219 Net Manager Danny Musten, KD4RAA, of North Carolina, and ARRL Eastern Massachusetts Section Emergency Coordinator and SKYWARN Director Rob Macedo, KD1CY, for being "very supportive" of WX4NHC.

Ripoll reports that the VoIP Hurricane Net most recently generated "some of the most important surface reports" as Hurricane Emily tracked over Grenada, St Lucia, Trinidad and Tobago. He cited specific information during Emily that arrived via VoIP modes including a report from J73CI, relaying for J39JQ, of a roof being blown from a hospital and damage to homes on Grenada caused by strong winds. Other VoIP reports came via Julien

Dedier, 9Z4FZ, in Trinidad, of power outages. Reports relayed by the Trinidad EOC from Tobago at one point indicated heavy rainfall and sustained winds of 60 MPH.

Reports such as these, Ripoll said, were "especially vital during the very late evening hours, when there was a lack of HF propagation into the affected area." For additional information, visit the WX4NHC Web site <http://www.wx4nhc.org/>

ARRL AMATEUR RADIO EMERGENCY COMMUNICATIONS LEVEL I

Amateur Radio Emergency Communications Course registration: Registration for the ARRL Amateur Radio Emergency Communications Level I on-line course (EC-001) opens Monday, August 1, at 1201 AM EDT and will remain open until all available seats have been filled or through the August 6-7 weekend--whichever comes first. Class begins Friday, August 19.

Thanks to the United Technologies Corporation (UTC), the \$45 registration fee paid upon enrollment will be reimbursed to students who complete the course requirements and are upgraded by their mentor to "Passed" within the 8-week course period. During this registration period, seats are being offered to ARRL members on a first-come, first-served basis. To learn more, visit the ARRL Certification and Continuing Education Web page <http://www.arrrl.org/cce>.

PACKET UPDATE

In sending morse code with a set of paddles we have to have an electronic keyer to do the job if it is not built into our radio. For portable work smaller is better and the more features the better. A new unit has come out called the PICOKEYER. This little unit runs on a watch battery and has lots of nice features.

Four memories, QSO/Serial number, Bug mode, Transmitter delay compensation, MOSFET keying output, Iambic mode A and mode B, Ultimatic mode, Low parts count, Code practice oscillator function, MCW audio morse code output so you can send code on 2 meter FM Beacon mode

And the list keeps on going. Tons of really nice features in this kit. This kit is available from hamgadgets.com for only \$17.99.

If you are in the market for a keyer kit with all the parts you need to check out this one. This keyer offers so much for the money it's going to be hard to beat.

James Butler, KB4LJV

AMATEUR HARDWARE UPDATE

This month's project is the QRP BUILD BOARD. It is a simple homemade board to allow easy assembly of projects and QRP radios. I built this up to give me a place to build up projects. The board is made out of a scrap piece of plywood. I hot glued a piece of carpet on it to have a place to lay components and boards and not have them sliding around. The location that has the four studs coming out of the board was laid out to the dimensions of the Small Wonder Labs SWL series QRP radios so I could mount the boards to test. I made up a homemade 12 VDC power supply to temporarily run projects when they are tested. The power supply is just a transformer, diodes, voltage regulator, and capacitors to get 12 VDC. An LED mounted on the capacitors serves as a power on indicator. I also mounted four small applesauce containers on the board to hold loose parts. The board works great and really comes in handy when building projects especially keeping track of the small parts. Having a built in 12 VDC supply also makes power up test a lot easier. There are lots of ways to build up this type of equipment so just decide what you want on your test board and build it to your needs.



James Butler, KB4LJV

August

2005

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

September

2005

| <i>Sun</i> | <i>Mon</i> | <i>Tue</i> | <i>Wed</i> | <i>Thu</i> | <i>Fri</i> | <i>Sat</i> |
|------------|---|---|------------|--|--|---|
| | | | | 1 MARA Club Meeting 7:00 PM | 2 Will Pace | 3 Roger, KI4AJH Richard, KN4AG |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 Terry, KB4KA |
| 11 | 12 | 13 Delta Club Meeting 7:00 PM John, KA4RXP | 14 | 15 | 16 | 17 |
| 18 | 19 James, KG4YKY Jim, KN4F | 20 Marjorie, KF4NZA David, KU4AS | 21 | 22 | 23 Mike, W5CHR Bill, KG4VAW | 24 Ken, K4DIT |
| 25 | 26 | 27 Shelby Cty., ARES Meeting 6:45 PM Mark, KB4MFD | 28 | 29 | 30 | |



CONTEST CALENDAR

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

North American QSO Party--CW, sponsored by the *National Contest Journal*, 1800Z Aug 6-0600Z Aug 7 (see Jan *QST*, p 102 or www.ncjweb.com).

Ten-Ten International Summer Phone QSO Party--sponsored by Ten-Ten Inter-

national, 0001Z Aug 6-2359Z Aug 7, 10 meters only. Exchange: call, name, state and 10-10 number (if available). For more information: www.ten-ten.org.

European HF Championship--CW/SSB, sponsored by the Slovenian Contest Club, from 1200Z-2359Z Aug 6. EU to EU contacts only. Frequencies: 160-10 meters. For more information: <http://lea.hamradio.si/~scc/euhfc.html>.

TARA "Grid Dip" Contest--PSK and RTTY, sponsored by Troy ARA from 0000Z-2400Z Aug 6. Frequencies: 80-6 meters, work stations once per band, work Rovers again from new locators. For more information: www.n2ty.org/seasons/

tara_grid_rules.html.

National Lighthouse-Lightship Weekend--all modes, sponsored by the Amateur Radio Lighthouse Society from 0001Z Aug 6-2359Z Aug 7. Frequencies (MHz): CW--1.830, 3.530, 7.030, 14.030, 21.030, 28.030; SSB--1.970, 3.970, 7.270, 14.270, 21.370, 28.370. For more information: <http://arlhs.com/>.

Worked All Europe DX Contest--CW, sponsored by the Deutscher ARC from 0000Z Aug 13-2359Z Aug 14, (phone is Sep 10-11; RTTY is Nov 12-13). Frequencies: 80-10 meters according to Region I band plan. For more information: www.waedc.de.

Maryland-DC QSO Party--CW/Phone, sponsored by the Antietam Radio Association, 1600Z Aug 13-0400Z Aug 14 and 1600Z-2359Z Aug 14. 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.

ARRL 10 GHz and Up Contest, 0600 local Aug 20-2000 local Aug 21 (see p 91, this issue).

North American QSO Party--SSB, sponsored by the *National Contest Journal*, 1800Z Aug 20-0600Z Aug 21 (see Aug 6-7).

New Jersey QSO Party--CW/Phone, sponsored by Englewood ARA, 2000Z Aug 20-0700Z Aug 21 and 1300Z Aug 21-0200Z Aug 22. 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.qsl.net/w2rj.

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

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 or 363-9607.

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

KA4BLL (Extra) Ned Savage 363-9607
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 (2, 7, 9, 11, 13, 14)

KD4NOQ (Adv) David Campbell 388-6166
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 (2,4, 8, 15)

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

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

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

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

W4GMM (Extra) Ham Hilliard 372-2337
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



Ohio QSO Party--CW/SSB, sponsored by the Mad River Radio Club, 1600Z Aug 27 -0400Z Aug 28. 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.

Hawaii QSO Party--CW/Phone/RTTY/PSK31, sponsored by the Koolau ARC, 0700Z Aug 27-2200Z Aug 28. Frequencies: 160-10 meters. For more information: www.karc.us/qso_party.html.

Kentucky QSO Party--CW/SSB/RTTY/PSK31, sponsored by Bullitt Amateur Radio Society from 1600Z Aug 28-0400Z Apr 29. Frequencies (MHz): SSB: ±20 kHz above General class band edge; CW: 3.55, 7.05, 14.05, 21.05 and 28.05. For more information: www.qsl.net/ky4ky/kyqsopartyrules.html.

YO-DX Contest--CW/SSB, sponsored by the Romanian Amateur Radio Federation (RARF), 1200Z Aug 27-1200Z Aug 28. Frequencies: 80-10 meters. For more information: www.hamradio.ro/contests/yodx_eng.htm.

Summer VHF/UHF QSO Party--SSB/CW/FM, sponsored by the Colorado QRP Club, from 1800Z-2100Z Aug 28. Frequencies: 6 m, 2 m and 70 cm, 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/summer05.htm.

VHF Fall Sprints--CW/Phone/Digital-- sponsored by the Southeastern VHF Society as follows: 144 MHz--7-11 PM local Sep 19; 222 MHz--7-11 PM Sep 27; 432 MHz--7-11 PM Oct 5; Microwave--902 MHz and higher-- 6 AM- 1 PM Oct 15; 50 MHz--2300Z Oct 22-0300Z Oct 23. For more information: http://svhfs.org/fall_sprint_rules.

htm.

All-Asian DX Contest--Phone, 0000Z Sep 3-2400Z Sep 4 (See June *QST*, p 93 or www.jarl.or.jp/english.)

IARU Region 1 Field Day--SSB-- sponsored by IARU Societies, 1300Z Sep 4-1300Z Sep 5 (See June *QST*, p 93)

DARC 10-Meter Digital Contest--Digital Modes--sponsored by the Deutsche Amateur Radio Committee, 1100Z-1700Z Sep 4. Frequencies (MHz): 28.050-28.150 on RTTY, Pactor PSK31, Amtor, Clover. For more information: www.darc.de/referate/hf/contest/.

MI QRP Labor Day CW Sprint, 2300Z Sep 5-0300Z Sep 6 (see Jan *QST*, p 102 or www.qsl.net/miqrclub/).

Russian RTTY WW Contest, sponsored by Radio, from 0000Z-2400Z Sep 3. Frequencies: 80-10 meters. For more information: www.radio.ru/cq/contest/rule-results/index2.shtml.

North American Sprint--CW, 0000Z-0400Z Sep 11 (see Feb *QST*, p 102, or www.ncjweb.com).

YLRL Howdy Days--CW/SSB-- sponsored by the YL Radio League, 1400Z Sep 14-0200Z Sep 16, work 24 out of the 36 hour period. Try frequencies ending in 33 or 88, such as 7.233, 14.288, etc. For more information: www.ylrl.org.

WAE DX Contest--SSB, 0000Z Sep 10-2359Z Sep 11 (see Aug *QST*, p 85, or www.darc.de/referate/dx).

ARRL Sep VHF QSO Party, 1800Z Sep 10-0300Z Sep 12 (see Aug *QST*, p 90).

Second-Class Operators Club (SOC) Marathon Sprint--CW, from

1800Z to 2400Z Sep 10. (Most sprints run 4 hours, but since we're Second Class Ops, we need more time!) Frequencies: 160-10 meters.

Arkansas QSO Party--CW/SSB/PSK31 sponsored by K1ARK, from 1400Z Sep 10-0600Z Sep 11 and 1800Z Sep 11-0200Z Sep 12. Frequencies (MHz): CW--3.550, 7.050, 14.050, 21.050, 28.050; Phone--3.980, 7.260, 14.260, 21.360, 28.360, 145-147; PSK--3580, 7070; 14.070; 21.080; 28.120. Categories: SO, MS, Mobile, HP, LP, QRP, S/P/C, PSK. For more information: www.arkan.us.

Tennessee QSO Party--CW/Phone--sponsored by the Tennessee Contest Group, 1800Z Sep 11-0100Z Sep 12. 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. For more information: www.k4ro.net/tcg/tqp/tqp05_rules.html.

SPECIAL EVENTS

Aug 4-Aug 6, 2000Z-1800Z, Bolingbrook, IL. Antique Radio Club of Illinois, W9R. 25th Anniversary Radiofest. 14.255 21.355 28.455 146.97. QSL. James Novak, WA9FIH, 2335 South 2nd Ave, North Riverside, IL 60546-1308. www.antique-radios.org.

Aug 4-Aug 7, 0000Z-0500Z, Hannibal, MO. Hannibal Amateur Radio Club, K9P. Masters International Shooting Championship 20th Anniversary. 14.258 7.258. Certificate. Robert G. Mitchell, 816 Long Dr, Quincy, IL 62305. www.ewingmissouri.com/w0kem/.

Aug 5-Aug 7, 1500Z-0300Z, Indianapolis, IN. Indianapolis Motor Speedway Amateur Radio Club,

W9IMS. Brickyard 400 NASCAR Race. 21.340 14.240 7.240 3.840. QSL. Indianapolis Motor Speedway ARC, PO Box 18495, Indianapolis, IN 46218. www.w9ims.com.

Aug 5-Aug 7, 2100Z-0100Z, Alma, MI. Michigan Masonic Radio Club, K8M. Masonic Family and Community Festival. 14.270 7.270 145.580. Certificate. Benjamin Creech, K8LHR, 416 Sunset St, Plymouth, MI 48170. www.gl-mi.org.

Aug 5-Aug 8, 1400Z-0400Z, Canton, OH. Canton Amateur Radio Club, W8AL. Annual Pro-Football Hall of Fame Festival. 28.365 21.365 14.265 7.265. Certificate. Donald E. Perry, WQ8J, 968 Culver Ave NW, Massillon, OH 44647. www.w8al.org.

Aug 6-Aug 6, 1200Z-2000Z, Indianapolis, IN. Indianapolis Repeater Association, W9Z. Kids Special Event at Broad Ripple Hamfest. 28.350 21.330 14.280 7.250. Certificate. Steven Wendt, 9559 Neptune Dr, Indianapolis, IN 46229. All operators 18 and under.

Aug 6-Aug 6, 1400Z-1900Z, Townshend, VT. West River Radio Club, W1RRC. Grace Cottage Hospital Day. 14.270 7.270. QSL. John Borichevsky, POB 8087, Guilford, VT 05304. www.westriverradio.net.

Aug 6-Aug 7, 0001Z-1959Z, Bristol, ME. Lincoln County Amateur Radio Club, K1LX. National Lighthouse-Lightship Weekend from Pemaquid Lighthouse, US#278, ARLS#589. 14.250. Certificate. John Peters, K2LOT, 154 Boothbay Rd, Edgecomb, ME 04566.

Aug 6-Aug 7, 0001Z-2359Z, Gulf Coast, TX. Central Texas Contest Group, WA5DTK. Operation from multiple Texas lighthouses --NLLW. 14.270 14.030 21.370 7.030/7.060. QSL. Barry Brewer, 603 Broken Bow Dr, Round Rock, TX 78681.

Aug 6-Aug 7, 0001Z-2359Z, Port Hope, MI. Milford Amateur Radio Club, K8S. National Lighthouse/Lightship Weekend from Pointe Aux Barques Lighthouse. 28.370 21.370 14.270 7.270. Certificate. Gary I. Sklar, 7296 Green Farm Rd, West Bloomfield, MI 48322.

Aug 6-Aug 7, 1200Z-2359Z, St Augustine, FL. St Augustine Amateur Radio Society, N4AUG. LH 758 celebrating NA Lighthouse Activity. 14.270 14.030 7.265 7.030. QSL. SAARS, PO Box 860084, St Augustine, FL 32086. www.saars.net.

Aug 6-Aug 7, 1400Z-1600Z, Mathews County, VA. Middle Peninsula Amateur Radio Club, N4P. Commemorating New Point Comfort Lighthouse, USA-543. 21.360 14.260 7.260 3.960. QSL. William Sale, AE4RB, 6543 Belroi Rd, Gloucester, VA 23061. www.arlhs.net.

Aug 12-Aug 13, 1400Z-2100Z, Angle Inlet, MN. Northwest Angle Amateur Radio Club, NW0AA. Northern most club in contiguous 48 states. 21.350 14.240 7.200 3.960. QSL. Dan Whipple, 11726 Norway St NW, Coon Rapids, MN 55448.

Aug 13, 0001Z-2355Z, Indianapolis, IN. Indianapolis Symphony Orchestra/Kenneth Bandy, W9O. Commemorating 75th anniversary of Indianapolis Orchestra. 14.275 7.260 21.360. QSL. Kenneth Bandy, 1405 S Bridgeport Rd, Indianapolis, IN 46231. <http://bandyrecording.com/W9O.htm>.

Aug 13, 1400Z-2100Z, Rush Springs, OK. W5PAA-FAA Aeronautical Center Amateur Radio Club, W5F. 2005 Rush Springs Watermelon Fest. 10-80 m CW/SSB. QSL. David Begue, K5FOZ, 2155 County Rd 1230, Tuttle, OK 73089-3112. www.W5PAA.org.

Aug 13-Aug 14, 1400Z-2200Z, Perry, OH. Lake County Amateur Radio Association, N8BC. Celebrating 27 years of public service in Lake County. 14.270 7.272 147.2100. Certificate. Dennis Brostek, KI8U, 7187 Maple St, Mentor, OH 44060. www.lcara.org.

Aug 13-Aug 14, 1400Z-2400Z daily, Window Rock, AZ. Navajo Amateur Radio Club, N7C. Navajo Code Talkers Day. 14.265 7.265. QSL. Herbert Goodluck, PO Box 3611, Window Rock, AZ 86515.

Aug 14, 1500Z-1800Z, Pikes Peak, CO. Colorado 14er Event Task Force, Various call signs. Colorado 14er Event--operating from summits of CO mountains. 14.260 147.42 147.45 446.00. QSL. Bob Witte, KONR, 21060 Capella Dr, Monument, CO 80132. www.14er.org.

Aug 19-Aug 28, 0000Z-2400Z, Lebanon, TN. Wilson Amateur Radio Club, W4C. Special Event Station from the Wilson County Fair. 28.320 21.320 14.320 7.265. QSL. Greg Tomerlin, K4KO, 1562 Walnut Grove Rd, Lebanon, TN 37090. www.wilsonarc.org.

Aug 20, 1100Z-2000Z, Hillsboro, TX. Lockheed Martin Recreation Association and Fannin County ARC, N5B. North Texas Balloon Project Launch #12. 14.282 7.220. QSL. Ed McGinley, W5ETM, PO Box 6215, Fort Worth, TX 76115. www.ntbp.org.

Aug 20-Aug 21, 0001Z-2359Z, Dunkirk Lighthouse, NY. Dunkirk Lighthouse--Lancaster ARC, W2SO. International Lighthouse Weekend. 28.450 21.350 14.250 7.250. Certificate. Lancaster ARC, 525 Pavement Rd, Lancaster, NY 14086. larc.hamgate.net.

Aug 20-Aug 21, 0000Z-2359Z, Eagle Harbor, MI. International Lighthouse/Lightship Weekend, K8E.

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Lighthouse and two range lights. 14.275 14.030 7.275 7.030. Certificate. QSL via bureau or N8MR, 14071 Fairway, Livonia, MI 48154. www.kc8nah.com/Interests/illw05.htm

Aug 20-Aug 21, 0001Z-2359Z, Newport, OR. Oregon-Idaho DX Group, N7L. International Lighthouse/Lightship Weekend, from Yaquina Bay Lighthouse, USA-906. 28.351 28.021 21.221 21.021 14.221 14.021 7.155 7.021 3.755 3.521. QSL. via Buro, or to K7VAN, Box 12941, Salem, OR 97309. Participating lighthouses: <http://arlhs.com>

Aug 20-Aug 21, 1200Z-2359Z, St Augustine, FL. St Augustine Amateur Radio Society, N4AUG. LH 758 Celebrating ILLH Weekend. 14.270 14.030 7.265 7.030. QSL. SAARS, PO Box 860084, St Augustine, FL 32086. www.saars.net

Aug 20-Aug 21, 1300Z-1600Z, Buffalo, NY. Western New York DX Association, K2L. International Lighthouse Weekend. 14.230 14.030 7.230 7.030. QSL. Bob Nadolny, WB2YQH, PO Box 73, Spring Brook, NY 14140. www.wnydxa.org

Aug 20-Aug 21, 1300Z-2100Z, Sea Girt, NJ. North America DX Association and Neptune Radio Club, WR2DX. ILLW from Sea Girt Lighthouse. 14.260 7.260. QSL. NADXA, PO Box 357, Bradley Beach, NJ 07720.

Aug 20-Aug 21, 0001Z-2359Z, Rochester, NY. Brockport Amateur Radio Klub, N2VY. International Lighthouse/Lightship Weekend. 14.275. Certificate. Allen Skiles, N2VY, 1-A Burke Lane, Spencerport, NY 14559.

Aug 20-Aug 21, 0000Z-2359Z, River Rouge, MI. Motor City Radio Club, W8MRM. Mariners' Memorial Lighthouse/International Lighthouse

Weekend. 14.275 7.275. Certificate. N8MR, 14071 Fairway, Livonia, MI 48154. www.w8mrm.org

Aug 20-Aug 28, 1600Z-1600Z, Lincoln, MI. Alcona County Amateur Radio Group, K8A. 34th Annual Alcona County Fair. 21.345 14.245 7.245 3.945. QSL. Stanley L. Darmofal, W8SZ, PO Box 15, Harrisville, MI 48740. www.alconaradio.org

Aug 24-Aug 28, 1400Z-0000Z, Ringoes, NJ. Cherryville Repeater Association II, W4H. 2005 Hunterdon County 4H and Agricultural Fair. 28.375 21.375 14.275 7.275. Certificate. Special Event Radio W4H, Cherryville Repeater Association II, PO Box 308, Quakertown, NJ 08868. <http://www.qsl.net/w2cra/w4h/W4H-webpage.htm>

Aug 26-Aug 29, St John's Island, Singapore. Singapore Amateur Radio Transmittin Society, S61FD. Local Field Day. 40-15 m all modes including digital. QSL. Via bureau or direct to: Henk van Hensbergen, PAØKHS, Smaragdstraat 53, 6534WN Nigmegen, The Netherlands. www.sarts.org.sg

Aug 27, 1500Z-2300Z, Plainfield, IL. Plainfield Radio League, W9P. The Plainfield Tornado, Aug 28, 1990. 14.260 14.070 14.230 7.260. Certificate. Plainfield Radio League, PO Box 682, Plainfield, IL 60544. www.prlham.org/spev

Aug 27-Aug 28, 1350Z-2100Z, Westfield, MA. Hampden County Radio Association HCRA, W1NY/A10. ANG 104th Fighter Group Airshow. SSB 28.336 21.360 14.260 7.260 CW 28.033 21.033 14.033 7.033 3.533. QSL. HCRA, PO Box 562, Agawam, MA 01001. www.hcra.org

Aug 28, 1400Z-2100Z, Hanover, KS. Crown Amateur Radio Association, KOASA. Hollenberg Pony Express

Station Festival. 18.085 14.245 14.040 7.125. Certificate. Crown Amateur Radio Association, 11551 W 176th Terr, Olathe, KS 66062. www.kshs.org/places/hollenberg/index.htm

Aug 29-Sep 4, 2000Z-2000Z, Black Rock Desert, NV. Nevada-7-Burn at Burning Man Festival, N7B. Burning Man 2005. 21.360 14.290 7.263 3.940. QSL. Kenneth M. Beck, 425 N Columbia Center Blvd #F207, Kennewick, WA 99336. <http://n7bweb.net/>

Sep 2-Sep 3, 2300Z-2300Z, 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

Sep 2-Sep 5, 1300Z-2200Z, Woodstock, CT. Eastern Connecticut Amateur Radio Association, W1W. Woodstock Agricultural Fair. 28.625 21.315 14.265 7.265. Certificate. ECARA, PO Box 63, Dayville, CT 06241. www.qsl.net/k1muj

Sep 3, 1400Z-2100Z, Caldwell, OH. Noble County Amateur Radio Club, NC8OH. 80th anniversary of the crash of USS *Shenandoah* over Noble County. 28.345 21.345 14.260 7.245. Certificate. NC8OH, c/o Paul Wallace, 816 Main St, Caldwell, OH 43724. www.NC8OH.org

Sep 3, 1700Z-2359Z, Boerne, TX. Kendall Amateur Radio Society, KB5TX. Kendall County Texas Fair Association Centennial. 14.260 7.255. Certificate. KARS, PO Box 1732, Boerne, TX 78006.

Sep 3, 1300Z-2100Z, Rock Springs, WY. Sweetwater Amateur Radio Club, WY7U. Honoring the slain at Rock Springs Mining Massacre, September 2, 1885. SSB 14.280 7.280 CW 14.059 7.039. QSL. David Greg-

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ory, N7COA, 1000 S Dakota St, Green River, WY 82935-5825. www.qsl.net/wy7u.

Sep 3-Sep 4, 1300Z-2000Z, Reading, PA. Amateur Radio Covered Bridge Society--ARCBS, WA3WSJ. ARCBS Covered Bridge Weekend. 21.280 14.280 7.280 3.980. Certificate. Edward R. Breneiser, 775 Moonflower Ave, Reading, PA 19606. www.arcbs.org.

Sep 3-Sep 5, 1300Z-2100Z daily, Newnan, GA. Bill Gremillion Memorial Radio Club, K4NRC. Power's Crossroads Country Fair & Art Festival. 28.370 21.370 14.260 7.260. QSL. BGMRC, PO Box 2327, Newnan, GA 30264. www.bgmrc.org.

Sep 3-Sep 5, 1800Z-1600Z, Paradise, AZ. Cochise Amateur Radio Association, K7RDG. 26th 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.qsl.net/k7rdg/paradise.htm.

Sep 5, 0400Z-2300Z, Nutley, NJ. Robert D. Grant United Labor Amateur Radio Association, N2UL. CQ Labor Day. 28.420 14.260 7.260 449.975. Certificate. RDGULARA, c/o WA2VJA, 112 Prospect St, Nutley, NJ 07110-0716.

Sep 8-Sep 13, 1800Z-1800Z, Boise, ID. Voice Of Idaho Amateur Radio Club, W7VOI. Commemorating and operating where Lewis & Clark entered Idaho. 21.205 14.205 7.205 3.905. QSL. Voice Of Idaho ARC, PO Box, Boise, ID 83701. www.voiceofidaho.org/lewis-clark/default.html.

Sep 10, 0300Z-1100Z, Richmond, TX. Fort Bend County EMROG, W9E. To honor those who lost their lives during Sep 11. 14.260 7.26. Certificate. KD5HAL EMROG, 1055 Three Forks, Katy, TX 77450.

Sep 10, 1300Z-1600Z, Stroudsburg, PA. Pocono Amateur Radio Klub and Eastern Pennsylvania Amateur Radio Association, N3IS. Homeland Security Station at the Pocono Area Hamfest +Plus+. SSB first half hour: 28.325 21.325 14.325 7.250 CW second half hour 0.035 Hz up from bottom of 10, 15, 20 40 m. Certificate. Bill Connelly, W3MJ, RR3 Box 3165, E Stroudsburg, PA 18301. home.ptd.net/~w3mj.

Sep 10, 1300Z-2100Z, North Judson, IN. Starke County Amateur Radio Club, W9JOZ. Hoosier Valley Railroad Museum Open House. 14.240 7.240. QSL. Starke County ARC, 405 W Jackson St, Knox, IN 46534. www.w9joz.org.

Sep 10, 1500Z-2000Z, Governors Island, NY. Metropolitan 222 Amateur Radio Society, K2MET. September 11 Memorial Station on NA-026. 21.340 14.250 7.250. QSL. Metropolitan 222 ARS, 7004 12th Ave, Brooklyn, NY 11228. <http://maded.home.mindspring.com/metro222-frame.htm>.

Sep 10, 1700Z-2300Z, Keytesville, MO. Chariton Amateur Radio Society, WB0ENV. General Sterling Price Day. 7.250. QSL. Charles Coy, 402A Senior Terr, Keytesville, MO 65261. charlie61@centurytel.net.

Sep 10-Sep 12, 1500Z-0000Z, Lolo Pass, ID. Hellgate Amateur Radio Club, W7PX. Lewis and Clark Expedition Bicentennial. 28.355 21.355 14.255 7.255. Certificate. HARC, POB 3811, Missoula, MT 59806-3811. www.users.qwest.net/~k7vk/.

Sep 10-Sep 18, 0001Z-2400Z, San Bernardino, CA. Citrus Belt Amateur Radio Club, W6A thru W6Q. Route 66 On-the-Air. 28.466 14.266 14.166 7.266. Certificate. Citrus Belt Amateur Radio club, PO Box 3788, San Bernardino, CA 92413. www.qsl.net/w6jbt/.

Sep 10-Sep 24, 0000Z-2400Z, Duluth, MN, W0T. Duluth Aerial Bridge 100th Anniversary. 3.945 3.850 7.020 146.460. Certificate. Shari Larson, AB0UV, 1626 Minnesota Ave, Duluth, MN 55802.

Sep 11-Sep 12, 1300Z-0100Z, Arlington, VA. Pentagon Amateur Radio Club, K4AF. Commemorating the attacks on the Pentagon, World Trade Center and over Pennsylvania. 28.535 21.435 14.335 7.045. QSL. Pentagon Amateur Radio Club (PARC), K4AF, PO Box 2322, Arlington, VA 22202. www.K4AF.org.

Sep 11-Sep 14, 1300Z-0300Z, San Antonio, TX. Radio Operators of South Texas, W2IK/WTC911. Commemorating the World Trade Center Disaster. 21.365 14.265 7.265. Certificate. Robert J. Hejl, W2IK, PO Box 6731, San Antonio, TX 78029. <http://hometown.aol.com/alonestaryank/w2ikwtc911.html>.

Sep 11-Sep 18, 0000Z-2400Z, Santa Ana, CA. Anaheim Police ARC, K6P. POW-MIA Recognition Week. 28.450 21.350 18.150 14.253. QSL. Mark McMullin, KM6HB, PO Box 27271, Santa Ana, CA 92799. <http://home.pacbell.net/km6hb/.NET.doc>

Sep 12-Sep 14, 1600Z-0400Z, Colt Killed Creek (Powell Ranger Station), ID. Palouse Hills Amateur Radio Club, W7L. 200th anniversary of the Discovery Corps encampment on the route over the Bitterroot Mountains. Gen portion 20-40 m bands 146.520. Certificate. TARC, 858 Harold Ave, Moscow, ID 83843-3539.

Sep 14-Sep 20, 1300Z-2100Z, Big Rock, IL. The Old Farmers Amateur Radio Club, W9P. 111th Annual Big Rock Plowing Match. 28.390 14.275 7.245 3.990. Certificate. Bob Yurs, W9ICU, PO Box 341, Sycamore, IL 60178. www.w9icu.com.

TENNESSEE NETS

| Net Name | Freq. | UTC | Day |
|--------------------------------|--------------|------------|------------|
| 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

West Central Louisiana ARC
 Vernon Parish Fairgrounds Festival Building
 Stevens Blvd.
 Leesville, LA
 August 13, 2005

Huntsville Hamfest Association
 Huntsville, AL
 August 20–21, 2005

Cedars of Lebanon Hamfest
Short Mountain Repeater Club
 Gladeville Community Center
 95 McCreary Road
 Gladeville, TN
 August 27, 2005

Delta Amateur Radio Club

July 2005 Treasurers Report

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|---------------------------|------------------|
| Balance 07/05/2005 | \$6463.83 |
| <u>Expense</u> | |
| None | |
| <u>Income</u> | |
| Dues | 65.00 |
| Balance 8/01/2005 | \$6548.83 |

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:

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