DELTA AMATEUR RADIO CLUB

SPARKS

P.O. BOX 750482 MEMPHIS, TN 38175-0482 / VOL. 16 / JUNE, 2004



Welcome to the Delta Amateur Radio Club!

Visit our home on the web at: http://www.deltaclub.org

W4BS REPEATER SYSTEM

146.82, 147.36, 224.42 443.2 & 145.03 packet

JUNE 2004 CLUB MEETING

DATE: June 8, 2004 (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: Field Day, Ben KU4AW

VE TESTING: Don't forget the monthly Volunteer Examiner testing session. Registration begins at **5:30 P.M.** and testing begins promptly at 6:00 P.M. Please remember to bring **two** forms of identification and **copies** of any existing licenses or CSCE's you might have. 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: joant@mem.net

Please Remember: Deadline for Reports and Articles for the next issue of SPARKS is Friday, June 25th. 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

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PRESIDENT'S CORNER

To all of the Delta Amateur Radio Club Members:

Summer is almost here, and all those who have put off those radio projects are sure to be getting set to do them soon. The Delta Club is having the June meeting on the second Tuesday Night, as usual, June 8. The program will promote field day participation and give anyone who has any question about field day to get an answer.

Another June project, not Delta Club sponsored, is the Mid-Night Bike Ride. I have worked this event for the last several years. The Ride usually starts in Overton Sq. at mid-night and is over, for most, by about 2:30 AM on the Sunday morning that it is held on. This years' event is being coordinated by Jim Houston, KA4HOG, phone 767-8413. Should be 2nd or 3rd weekend of June.

We do need a Tech licensed ham to manage Delta's Field Day GOTA Station. See Ben KU4AW.

I hope you all can make this month's meeting.

73, Ned Savage, KA4BLL

Delta Amateur Radio Club Board Meeting Minutes May 4, 2004

Meeting called to order at 7:04 pm by Ned, KA4BLL

Tommy, KD4TJO presented two new members to the board for approval. Tom, K4TTA made a motion to accept the new members and Randy, W4RMV seconded the motion. Motion passed unanimously.

Tommy, KD4TJO read the minutes of the April board meeting. Tom, K4TTA made a motion to accept the minutes as read and Randy, W4RMV seconded. Motion passed unanimously.

Bill, KG4VAW read the treasurer's report and passed out written copies of it to all board members present. Tom, K4TTA made a motion to accept the treasurer's report and Tommy, KD4TJO seconded the motion. Motion passed unanimously.

Old Business:

Ned mentioned the Ray, AA4UK had emailed him along with some other board members to suggest having a T-shirt made for a fundraiser. The board discussed the idea but decided that this would have to be a silk-screened shirt and would probably require a substantial order to offset the cost of the setup charges. Presently, there are no plans for designing or ordering any T-shirts at this time.

Randy mentioned a web site that he had already signed the club up for last year but never

implemented where members can order all types of products online and the club would get a percentage of each sale. It could be linked off the club website. Randy will send the link info to the board members for them to look at.

New Business:

After much discussion about the electronic version of SPARKS and the mailed version of SPARKS Lite, Randy, W4RMV made a motion that no printed version of SPARKS be mailed out for two months (May & June) and then address the issue at the June membership meeting with the members in attendance for any comments regarding the SPARKS. If complaints are a significant number, the board will re-address the issue at the July board meeting. Bill, KC4SXT seconded the motion. The motion passed with 7 yes votes and 1 abstention.

Randy, W4RMV made another motion that we produce a single page informational brochure to be distributed at Memphis Amateur and Radio Shack with a monthly cost not to exceed \$30. Tom, KG4EOV seconded the motion. Motion passed unanimously.

Tommy, KD4TJO brought to the board's attention that he has discovered 4 new members that joined last year but were not given the prorated dues afforded new members. These four members have not renewed their dues for 2004 as of vet. W4RMV made the motion to extend credit to these four individuals for the rest of 2004 due to the accounting error made last year. Bill. KC4SXT seconded the motion. The motion passed unanimously. Tommy will send letters to the four individuals explaining the error and that their membership is now good through December of 2004.

Meeting adjourned at approximately 8:34pm.

Respectfully submitted: Tommy Thompson - 2004 Secretary

Delta Amateur Radio Club Membership Meeting Minutes May 11, 2004

President Ned Savage, KA4BLL called the May General Membership Meeting for the Delta Amateur Radio Club to order at approximately 7:16 pm local There was no program for this month. time with 38 members and guests present.

Bill, KG4VAW read the treasurer's report to the membership. There was no Secretary's report or reading of the minutes because he goofed and didn't bring the minutes with him.

Old Business:

There was no old business.

New Business:

Ned, KA4BLL introduced Darrell, KE4DHF as the new net manager for the club. Darrell addressed the meeting with a few ideas that he has for making the net run smoother and for new reporting forms that will help us get our check-in and traffic information Charles Martin - KE5BLA - Technician together for reporting to the ARRL. He has reworked the preamble into a new two-page version that is easier to read. Darrell also made a plea for Marcus Reese - KE5BLB - General volunteers to be net controls and alternates. Friday and Saturday nights do not currently have a permanent net control.

present.

with us tonight who is currently serving our country distance from home - AUSTIN, TEXAS. in the U.S. Navy.

College a couple of months ago.

Ben, KU4AW gave a brief overview of Field Day. GOTA station. One will be for those members that the perfect setting. 90 degrees and summer is not

like the contesting flavor of Field Day while the other will be for a slightly more relaxed operating environment. There will also be a CW station and others to be discussed. Ben will be having a meeting for all station captains in a week or so.

Ben inquired how much money was budgeted for Field Day. Ned looked at the budget and advised Ben that it was \$150.

Meeting adjourned at approximately 7:40 pm.

Respectfully submitted:

Tommy, KD4TJO Secretary

VEC REPORT

Tuesday 5/11/2004

Congratulations to the following:

Payne Kipp - KI4FNZ - Technician

Glenn Phillips - KI4FNY - Technician

Marvin Woods, Jr. - KI4FOA - General

We had 7 people take 11 elements. Two persons started with no license (though one had a license that Ned, KA4BLL called for introductions of all he had let expire and had to take all the elements over again _ OUCH!). Our testers came from Bartlett, Tn - Oakland, Tn - Memphis, Tn -Ben, KU4AW introduced a guest amateur that was Saulsbury, Tn - Vaison, Ms - and the winner of

Ned, KA4BLL recognized Austen, KG4GKE for his Thank you to the following VE's: Richard AI4BN, part in assisting with the Boy Scout Merit Badge Arlene AA5GX, Ray N4ARH, Richard KE4NTI, Ned KA4BLL, Francis WA4ZYN and Bill KC4SXT. You all made this such a wonderful experience for all those that were testing. Now if we There will be two HF stations in addition to the could only get the heat under control we would have even here yet! I'll try opening some windows next compliance measurement procedures." month temperature and humidity permitting. Joan KN4PM, ARRL VE Liaison

FROM THE ARRL WEBPAGE

NTIA TIPS HAND ON ITS ADDITIONAL BPL FINDINGS

National Telecommunications Administrator Administration (NTIA) Acting Michael Gallagher says his agency's complete Phase ARRL CEO David Sumner, K1ZZ, says he's curious Telecom Council's Gallagher hinted at some findings in the Phase 2 far in the future?" he asked. study, which NTIA says will provide "additional guidance" on contending with BPL interference. The The Phase 2 study also will evaluate the Phase 2 report, however.

comments on or about May 28.

Responsible for developing telecommunications and at a height of 1 meter. policy for a White House that's promoting BPL, as well as for administering federal government radio. The agency has determined that a moderate-to-high BPL controversy.

The principal concern, Gallagher acknowledged, is that BPL systems might interfere with federal To "fulfill

Gallagher says the NTIA's Phase 2 study has determined that BPL aggregation (ie, total emissions from multiple BPL systems) and ionospheric propagation "is not a potential near-term problem." The agency predicts that millions of BPL devices can be deployed under the rules the FCC is expected adopt--probably later this year--before ionospheric propagation and aggregate BPL and Information emissions become an interference issue.

2 broadband over power line (BPL) study is targeted to hear the NTIA rationalize its "near-term" for release later this year. In remarks May 17 at the assertion. "Does this mean it's okay to go ahead with "Telecom 2004," a bad idea if the problems it causes are sufficiently

NTIA advised against putting the present FCC rule effectiveness of proposed Part 15 measurement making proceeding on hold until release of its full techniques and recommend a "height-correction factor" of 5 dB to BPL measurements made at a height of 1 meter, Gallagher said. The NTIA "Key Phase 2 technical analyses have been acknowledges that peak field strength is as much as completed," Gallagher told the UTC gathering, "and 20 dB higher--a factor of 100--than the peak the findings are appended to NTIA's comments on measured at a height of 1 meter under current Part proposed rules." The NTIA has posted its Phase 1 15 rules. Because the peak does not occur BPL study on the proceeding, ET Docket 04-37, and consistently at a particular distance from a BPL has indicated to the FCC that it will file its device along the power line, the NTIA will advise requiring a peak field strength measurement search along the entire power line at a distance of 10 meters

spectrum that could be affected by the technology, probability of interference exists to a fixed station the NTIA finds itself with a stake in both sides of the from BPL power lines at a distance of 450 metersapproximately 1480 feet--and to a mobile station at a distance of 55 meters--approximately 180 feet.

special protection requirements," government and other radio services. The NTIA's Gallagher said, the NTIA will suggest "minimal" Phase 1 study showed that interference risks already coordination areas--where a specified authority are high under existing Part 15 rules. Among its would coordinate all planned BPL deployment--plus recommendations for reducing interference were excluded bands and exclusion zones. The NTIA frequency shifting and notching as well as "refined recommends "voluntary coordination" with respect

expedite interference mitigation.

The NTIA further proposes that BPL rules provide "We believe that three weeks should provide ample requirement as "a last resort."

BPL technical issues," Gallagher concluded.

That's true, Sumner said, "but only if you include whichever came later. shutting a BPL system off and keeping it off as a 'solution.'"

thorough research of its interference potential.

For additional information, visit the "Broadband Over Power Line (BPL) and Amateur Radio" The FCC turned down a request that it reissue in site.

FCC EXTENDS REPLY COMMENT DEADLINE IN BPL PROCEEDING

National Antenna Consortium and the Amherst released April 27. Alliance

(NAC/Amherst) for a much longer filing deadline extension. The organizations said the June 1 reply comment deadline would not allow stakeholders adequate time to prepare comments that address the NASA Expedition 9 International Space Station Information Administration (NTIA) BPL study. The

to other radio operations plus "mandatory Access FCC said the NTIA has indicated it soon will submit BPL power control, frequency agility and shut-off comments and a technical appendix that will include capabilities" to reduce interference risks and to key findings of the Phase 2 report, which is due for release later this year.

for "prompt response to complaints of suspected time for review and analysis of this information, and interference," recasting the FCC's Part 15 shutdown accordingly grant the extension for that period," said FCC Office of Engineering and Technology Chief Edmond J. Thomas, who signed the May 26 Order "Our BPL study of more than 10 million signal Granting Extension of Time. NAC/Amherst had samples shows that solutions exist to all identified sought to have the FCC postpone the filing comment deadline until either September 1 or two months after the public release of the NTIA's Phase 2 study-

Noting that its Part 15 rules already permit Access BPL systems and that its February BPL NPRM During a White House meeting May 20, ARRL places additional requirements on BPL systems over officials asked the Bush administration to heed its and above current Part 15 requirements, the FCC own NTIA experts and back away from its support asserted that any further delay would diminish the of BPL. The League also has called on the FCC to Commission's ability to protect licensed users now put its BPL proceeding on hold to allow more occupying the HF spectrum. A further extension, the FCC added, also would "needlessly increase regulatory uncertainty" about BPL.

http://www.arrl.org/bpl page on the ARRL Web substantially greater detail the provisions of its proposed BPL rules concerning interference prevention and mitigation and the enforcement of standards.

The FCC does not routinely grant such time The FCC has extended to June 22 the deadline to file extensions, and it denied earlier petitions, including reply comments (comments on filed comments) in filings from the ARRL and NAC/Amherst, to extend its broadband over power line (BPL) Notice of the initial May 3 comment filing deadline. The Proposed Rule Making (NPRM), ET Docket 04-37. League and others had said commenters needed The FCC acted this week on a request from the more time to digest the NTIA's Part 1 BPL study,

ARISS SCHOOL GROUP CONTACT A FIRST FOR ASTRONAUT, EXPEDITION 9

full two-part National Telecommunications and Science Officer and Flight Engineer Mike Fincke,

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KE5AIT, logged what's believed to be his first-ever Amateur Radio contact May 25 from the spacecraft's ARISS http://www.rac.ca/ariss is an international Radio on the International Space Station (ARISS) by ARRL, NASA and AMSAT. school group contact for the Expedition 9 crew. The US astronaut and Russian cosmonaut and Expedition 9 Commander Gennady Padalka, RN3DT, arrived aboard the ISS in late April. Fincke advised a dozen youngsters gathered at Erie Planetarium http:// www.eriecountyhistory.org/planetarium.htm> moment gyroscopes, or CMGs.

walks during their six-month tour.

he noted, some caution is in order. "I love being Radio Club K0KKV repeater. weightless," he said. "I can fly around like Superman and pick up very big things." He cautioned, however, "When the system moved into Lancaster County injuring themselves.

For fun and recreation, Fincke said, the crew has laptop computers and can watch DVDs--although there's no television aboard. "The whole space station The storm also severely damaged the high school in every minute of every day is really fun."

In all, the youngsters asked 18 questions of Fincke before the ISS went over the horizon from the More than Erie Planetarium, run by the Erie County Historical

Society.

NA1SS. The QSO also marked the first Amateur educational outreach program with US participation

AMATEURS AID AS TORNADOS DEVASTATE NEBRASKA COMMUNITIES

in From storm spotting through recovery support, Pennsylvania, that the crew must take a space walk in Amateur Radio operators were on duty this week, the next few weeks to replace a failed remote power aiding tornado-stricken communities in Nebraska and controller module for one of the four ISS control elsewhere in the Midwest. A May 22 tornado virtually destroyed most structures and was blamed for one death in Hallam, a town of approximately "I'm really looking forward to it," Fincke told the 300 some 20 miles south of Lincoln. ARRL youngsters, who attend several schools in the Erie Nebraska Section Emergency Coordinator Reynolds area. In addition to the CMG repair EVA, the Davis, K0GND, said Lancaster County ARES/ Expedition 9 crew will carry out two other space SKYWARN spotters activated the evening of May 22 in response to a report of an approaching front. Within a half-hour, W0NWS at the National Weather Responding to another question, Fincke said he's Service office in Valley already was receiving really enjoying the weightlessness of space, although tornado damage reports via the Lincoln Amateur

that crew members need to "take it nice and easy" in shortly after 8:30 PM, it destroyed almost every weightlessness to avoid banging into things and structure in the town of Hallam," Davis said, leaving the residents homeless. The NWS rated the tornado that struck Hallam as an F-4 on the five-point Fujita Scale--207 to 260 MPH.

is a little bit fun to play in and do fun things," he Norris and plucked the tower supporting the KORPT said, "but just being aboard the International Space repeater's south receiver from the ground. The tower Station is like a dream come true, so it's all fun-- remains missing. The tornado went on to destroy additional homes to the northeast, and its path of destruction finally ended south of Bennet, he said.

50 amateurs participated in the telebridge station of Tony Hutchison, VK5ZAI, in SKYWARN net, said Davis, who also serves as South Australia. MCI donated a teleconferencing link Lancaster County Emergency Coordinator. The to handle the two-way audio between VK5ZAI and National Weather Service Omaha office logged the planetarium. Fincke has twice before visited the dozens of weather and storm-damage reports from

22.

survey and assessment, and reports logged via hams--teenagers and younger. K0EOC at the Lancaster County Emergency Operations Center.

shut down, 41 operators had driven nearly 2200 we all know," Haynie said, adding that nothing is too miles and surveyed 100 square miles. Gov Mike basic or simple. "I didn't know how to put on a PL-Johanns declared a state of emergency after more 259 when I got my General," Haynie admitted, than a dozen tornados swept several southern recalling that he'd more than once forgotten to slip Nebraska counties.

In Missouri, Grundy County EC Glen Briggs, KB0RPJ, reports that Amateur Radio groups in the Haynie suggested that today's older hams also need Missouri counties participated, he said.

EXPERIENCED HAMS MUST NURTURE NEWCOMERS. HAYNIE TELLS FORUM

W5JBP. that more than one-fifth of new amateur licensees thing." never get on the air. He suggested that too few experienced amateurs take new licensees under their wing to help them get started.

radio amateurs in several Nebraska counties on May "One of the things that we need to do is open up our hearts and open up our minds a little bit about the new generation coming along," he said. The addition Once the SKYWARN Nets closed, the KORPT VHF of another half-dozen ARRL Education and repeater was put into service to support Red Cross Technology Program (ETP) http://www.arrl.org/ communications among the tornado scene, the FandES/tbp/> pilot schools has raised the total to 81, chapter house and a shelter set up in a Lincoln high Haynie pointed out. While its primary goal is using school for residents displaced by the storm. Two Amateur Radio to educate youngsters about wireless ARES nets activated May 23 to coordinate damage technology, the ETP has resulted in thousands of new

"What makes these programs successful, of course, is the local hams, the local clubs getting behind the Davis said that by the time both damage survey nets program and teaching these kids the kinds of things the connector's shell over the end of the cable before soldering the plug.

northern part of the state relayed severe weather to consider that technology is changing, and the reports to the National Weather Service and to local questions appearing on the ham radio examinations emergency management and law enforcement of tomorrow will be ones "that haven't been thought officials May 22. Hardest hit areas were near of yet." In 1972 when he took his General, he said, Chillicothe and Brookfield. After one repeater was his test included questions on Hartley and Colpitts knocked off the air, amateurs switched to backup oscillators. In contrast, today's examinations cover repeaters and simplex. Some 18 operators in nine topics such as phase-locked loops, satellite operation and digital technology.

The ARRL president asserted that many Amateur Extra class licensees couldn't pass today's Element 4 examination if they had to do. Haynie said that if and when the FCC changes Amateur Radio licensing requirements in response to various petitions for rule It's up to today's Amateur Radio veterans to cultivate making--including one from the League--it will not the younger generation, ARRL President Jim Haynie, be a matter of "dumbing down" Amateur Radio. "It's told the ARRL Forum at Dayton not that Amateur Radio is dumbed down," he said. Hamvention 2004 May 15. Calling the statistic "People like me have failed to keep up, and if you "shocking," Haynie cited ARRL survey data showing look in your heart, you're going to say the same

"Amateur Radio is what you make of it once you get your license," Haynie continued. Getting a ham "At this time, the Commission staff is reviewing and ticket doesn't make anyone more intelligent, and analyzing carefully all of the petitions, comments learning the ropes usually begins after someone and proposed rule changes in this area," Powell already has a license in hand.

"You learn by doing," he said. restructuring proposal, and he acknowledged that the address the proposals League's petition has not won universal praise. "It submitted." The next step in the process, he said, the Board wanted to take a fair and evenhanded for the Commission's consideration. approach to restructuring.

requirement and restructuring "is anyone's guess," rule making that address examination requirements Haynie said, but he predicted that the Commission and operating privileges for Amateur Service go back to 13 and 20 words per minute, and you can on the ARRL's petition alone. take that to the bank," he predicted. "It's not going to happen."

"Whatever you enjoy about Amateur Radio, it's not development, with something that's would be workable and "give best traditions of our country." Amateur Radio a shot in the arm."

"We need that," Haynie concluded.

FCC CHAIRMAN RESPONDS TO REOUEST TO Coordinators, RM-10870. SUPPORT ARRL RESTRUCTURING PLAN

a month ago to urge adoption of the ARRL's making proceeding. restructuring Petition for Rule Making (RM-10867) "in its entirety" along with rules changes needed to put it into place. Powell said the League's petition was one of many.

responded May 21. "Because this matter is of great importance to you and the almost 700,000 amateur Haynie said the radio operators nationwide, the staff is working ARRL Board did not take lightly its latest diligently to create a comprehensive solution to the petitioners have was not an overnight decision," he said, adding that will be to prepare a notice of proposed rule making

In addition to the League's filing, Powell pointed How the FCC will act on the Morse code out, the Commission received 17 other petitions for will never reinstate higher code speed requirements licensees. The various proposals attracted more than as some have requested. "The FCC is not going to 5000 comments, he noted--more than 800 of them

In their letter to Powell, Walden and Ross expressed their belief that the ARRL's plan "will encourage the refinement and use going to change" as a result of any restructuring technologies; increase the number of young people Haynie said. While the FCC might take "the path of involved in Amateur Radio; and provide incentives least resistance," he believes it's more likely to take for Amateur Radio licensees to pursue technical selfbits and pieces of the various petitions to come up training and opportunities for volunteerism in the

> Other restructuring plans were filed by the Radio Amateur Foundation, RM-10868, and by the National Conference of Volunteer Examiner

Fifteen other petitions for rule making came down FCC Chairman Michael K. Powell has assured US on one side or the other of retaining the Amateur representatives Greg Walden, W7EQI (R-OR), and Radio Morse code examination requirement to Mike Ross, WD5DVR (D-AR), that the Commission operate on HF. Judging from Powell's letter to will act "as expeditiously as possible" on Amateur Walden and Ross, the FCC plans to address all 18 Radio restructuring. Walden and Ross wrote Powell petitions within the framework of a single rule

PACKET UPDATE

Amateurs are always looking for new and innovative radios. When running voice or any digital mode in a portable environment it is power consumption that is always a problem. Icom has come out with a new all mode radio to address this problem that covers 160 to 10 meter or a model for 160 to 6 meter. It is called the Icom 703. The radio looks like the popular 706 100 watt model but has a lower power of 10 watts. The rig will work down to 9.6 volts at a reduced power output. The rig is designed for the QRP community and has a low current draw of only 300 ma in receive mode. This allows the radio to go a long time on battery power. The unit has a DSP and memory keyer built in. Another nice feature is the built in antenna tuner with latching relays for low current draw of the tuner. The unit has adjustable output power and all the bells and whistles you expect from a new digital rig. If you are looking for one of the ultimate low power rigs for portable use check out this one from Icom.

James Butler KB4LJV

AMATEUR HARDWARE UPDATE

Many times we look for a secure place to mount our HTs. N4GMT, Lance found a really nice holder for cups that is adjustable at Sam's Wholesale Club. The unit is called the Spillmaster Euro Junior. As it turns out this unit also makes a nice holder for HTs. I wanted a holder that I could move around and would stay put. I modified the holder by drilling a hole in the base and attaching flat magnetic antenna base magnet. The magnet is very strong and lets me mount it any metal surface and not worry about it falling off or moving. It was an easy mod and works great as a portable HT holder. Outside, I can just set it on the car roof and drop the HT in to monitor while I am doing other things. The unit has come in handy and works well. The mount can also be mounted with included Velcro strips or a wood screw for the operating desk.

I will have the MAGNETIC HT MOUNT at the meeting to show and answer questions on for those who want to build up their own unit.

SEE YOU AT THE MEETING

James Butler, KB4LJV



JUNE

2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		Charlotte, KD4SDH	2	3 MARA Club Meeting 7:00 PM	4	5
6	7	8 Delta Club Meeting 7:00 PM	9	10 Kenneth, KB0ZTX	11	Boyd, N4SSF Rebecca, KC4MTN
13	14	15 Kenneth, KI4AOH	16 Melissa, W5MDV Kathy, KE4UYU	17	18	19 Bobby, K5CN
20	21	22 Margo, KD4DWI	23 Mike, KR4IT	24	25 Leanne Braddock Edward, K3ORS	26
Harry, KI5UK Steve, NX3W	28	29	30 Marc, KB5ZMU Susan Pace			

JULY

2004

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				MARA Club Meeting 7:00 PM	2	3
4	5 Betsy, KD4KOM	6	7 Amanda Burnm	8	9	10 Pat, KC4SJD
11 Kay, KA4AEG	Randy, W4RMV Harry, AF4RH	Delta Club Meeting 7:00 PM	14	Nora, W4ZOR Harold, KE4GVB	16	17 Jerry, K4CMZ
18 Ray, AA4UK	19 Dean, N2LAZ	20 Richard, KU4NZ Marie, K4GMT Austen, KG4GKE Joe, WA4OVO	21 Bill, WA4MJM	22	23	24
25 Bill, W4NZP	26 Don, KA4EBU Bill, N4GCF	27 Buddy, WY5AR	28	29	30	31



CONTEST CALENDAR

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

The following information may be found at http://www.arrl.org/contests/months/june.html.

QRP TAC Contest--CW, SSB and PSK31--sponsored by EPA

QRP Club from 1800 to 2359Z Jun 5. Frequencies: 80-10 meters. For more information: http://www.n3epa.org/.

World Wide Major Six Club Contest--CW/SSB--sponsored by the Six Meter World Wide DX Club, from 2300Z Jun 4-0300Z Jun 7. Frequencies: 50 MHz only. For more information: http://6mt.com/contest.htm.

IARU Region 1 Field Day-CW-sponsored by IARU Societies from

Codes:

1.Antennas 2. APRS

3. Contesting4. CW Operating

(fox hunting)
6. DXing

Circuits/etc. 8. HF Phone

10. Repeater

12. Satellite

13 RTTY

14. VHF 15. PSK31

9. Packet

Operation

11. QRP

5. Direction Finding

7. Experimenting/

1500Z, Jun 5 to 1459Z, Jun 6 (SSB-Sep 4-5). Frequencies: 160-10 meters. See web sites for more information.

ANARTS WW RTTY / Digital Contest--sponsored by Australian National Amateur Radio Teleprinter Society (ANARTS) from 0000Z Jun 12-2400Z Jun 13. Frequencies: 80-10 meters. For more information: http://www.users.bigpond.com/ctdavies.

Asia-Pacific Sprint--SSB--1100Z to 1300Z Jun 12. Frequencies: 20 and 15 meters only (see Feb *QST*, p 103, or http://jsfc.org/apsprint/aprule.txt).

ARRL June VHF QSO Party-1800Z Jun 12-0300Z Jun 14 (see May *QST*, p 107, or http://www.arrl.org/contests/rules/2004/june-vhf.html).

Portugal Day Contest--SSB-sponsored by Rede dos Emissores Portugueses (REP) from 0000Z-2400Z Jun 12. Frequencies: 80-10 meters. For more information: http://www.rep.pt/dia_de_portugal. htm.

WW South America CW Contest--sponsored by the Confederacao Brasileira de Radioamadorismo (LABRE) from 0000Z Jun 12-1600Z Jun 13. Frequencies: 80-10 meters. For more information: http://www.labre.org/.

Kid's Day Operating Event-from 1800 to 2400Z Jun 19 (see http://www.arrl.org/FandES/ead/kd-rules.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 (1,2,3,5,9,10,14, slow scan TV, ATV minor)

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

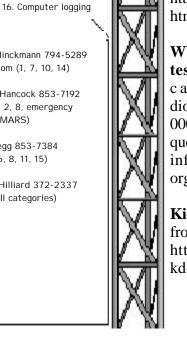
N9ACQ (Extra) Bill Kuechler 368-0532 wkuechl1@midsouth.rr.com (1, 8, 13)

WA2I QC (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)



12 JUNE 2004

SPARKS

by the West Virginia State Amateur Radio Council Frequencies: 160-10-meters. For more information: from 1600Z Jun 19-0200Z Jun 20. Frequencies: 80- http://www.srars.org/ukdxcruleseng.pdf. 10 meters, CW--35 kHz from band edge, Phone--35 kHz from General Class band edge and Novice/Tech Canada Day Contest--CW/Phone--sponsored by www.qsl.net/wvarrl.

All-Asian DX Contest--CW--sponsored by the Ja- infocont.htm. pan Amateur Radio League from 0000Z Jun 19 to 2400Z Jun 20. (SSB--Sep 4-5). Frequencies: 160-10 MI QRP Jul 4th CW Sprint--2300Z Jul 2-0300Z rule. For more information and Asian station QSO migrpclub). points--http://www.jarl.or.jp/English/4_Library/A-4-3_Contests/2004AA_Rule.htm.

20. Frequencies: phone QSOs within the lower 48 www.labre-ba.org.br. states and Canada above 50.150 MHz; only DX QSOs between 50.100 and 50.150 MHz. For more Venezuelan Independence Day Contest--CW/ information: http://www.smirk.org/.

Quebec QSO Party--CW/Digital/Voice--sponsored ters. by the Radio Amateurs du Quebec from 1700Z Jun radioclubvenezolano.org/concurso.htm. 19-0300Z Jun 20. Frequencies: 80-2 meters, no repeater contacts. For more information: http://www. **DL-DX-RTTY-Contest**--RTTY/PSK--sponsored by raqi.ca/qqp.

ARRL Field Day--1800Z Jun 26 to 2100Z Jun 27 (see May QST, p 107 or http://www.arrl.org/ contests/rules/2004/rules-fd-2004.html).

Jun 26-1800Z Jun 27 (see May *QST*, p 99).

QRP ARCI Milliwatt Field Day--1800Z Jun 26-2100Z Jun 27. Follows ARRL Field Day rules, see http://2hams.net/ARCI/mwfd.htm for more information.

Marconi Memorial HF Contest-CW--sponsored by niversary of Allied disembarkment at Utah Beach. ARI from 1400Z Jun 26-1400Z Jun 27. For more SSB and CW 80, 40, 20, 17, 15, 12 and 10 meter information: http://www.qsl.net/ik6ptj/marconi.htm.

UK DX Contest--SSB, sponsored by the Scottish-

West Virginia QSO Party--CW/SSB--sponsored Russian ARS from 1200Z Jun 26-1200Z Jun 27.

10-meter segment. For more information: http:// the Radio Amateurs of Canada (RAC) from 0000Z-2359Z Jul 1. Frequencies: 160-10, 6 and 2 meters. For more information: www.rac.ca/opsinfo/

meters (160 is CW only), incl 10-min. band change Jul 3 (see Jan QST, p 98, or www.qsl.net/

Bahia Independence Contest--SSB/CW-sponsored by LABRE from 2100Z Jul 2-2100Z Jul 3 SMIRK QSO Party--sponsored by the Six Meter (SSB) and from 2100Z Jul 3-2100Z Jul 4 (CW). Fre-International Radio Klub, 0000Z Jun 19-2400Z Jun quencies: 160-10 meters. For more information:

> SSB--sponsored by the Radio Club Venezolano from 0000Z Jul 3-2400Z Jul 4. Frequencies: 160-10 me-For more information: http://

> the DL DX RTTY Contest Group (DRCG) from 1100Z Jul 3 -1059Z Jul 4. Frequencies: 80-10 meters. For more information: www.dl-dx.de.

DARC 10-Meter Digital "Corona"--RTTY/ AMTOR/PACTOR/PSK31/Clover--sponsored His Majesty King of Spain Contest-SSB--1800Z Deutscher Amateur Radio Club from 1100Z-1700Z Jul 4 (see Nov QST, p 110, or www.darc.de/ referate/dx/).

SPECIAL EVENTS

Sainte Marie du Mont, France: Reseau des Emetteurs Français, TM6JUN. May 31-Jun 13. 60th anbands. QSL. Denis Villemion, F5RJM, Le Flaquet, 50470 Tollevast, France.

Widner, 3644 Ashbury Rd, Ponca City, OK 74604.

Willow Run, MI: Yankee Air Museum, W8YAF/ AM. 1300-1600Z Jun 4 and 2100-000Z Jun 6. Green River, WY: Sweetwater Amateur Radio 48112-0590. Belleville, MIyankeeairmuseum.org/YAFFly.html.

4036. Trip begins May 24; WW2LST/MM will also www.qsl.net/w3gr. be used.

Badin, NC: Montgomery Amateur Radio Society, VE3MIS. 1400-2000Z daily Jun 5 and Jun 6 An-NC4MC. 1400Z-2100Z Jun 5. 60th Anniversary US nual Streetsville Bread & Honey Festival. 28.480 Navy B-25 lost in Badin Lake, NC. 28.480 21.360 21.315 14.240 7.227. Certificate. MARC, c/o M-Northwood Ln, Robbins, NC 27325.

Cobb Island, MD: Charles County Amateur Radio QSL. CCARC, PO Box 73, Accokeek, MD 20607.

Radio Club, KD5QNC. 1500Z-2200Z **Jun 5**. Include \$1 US for postage. Walthall County Dairy Festival. 14.270 7.270. QSL. Southwest Mississippi ARC/KD5QNC, Friendship Ln NW, Brookhaven, MS 39601. http://tion, W4V. 1500Z Jun 5-2400Z Jun 13. Celebrating www.swmarc.cjb.net/.

Union, IL: Illinois Railway Museum, W9T. 1400Z- www.valcanpark.org/. 2100Z Jun 5. 51st Anniversary of the Museum. 145.390 28.350 21.350 14.250. Certificate. Larry Atkinson, NH: Atkinson Amateur Radio Club, Zacharias, 1031 Pershing Dr, Wauconda, IL 60084.

Ponca City, OK: Kay County Amateur Radio Club, Camden, NJ: Battleship New Jersey Amateur Radio K5P. 2100Z Jun 4-2000Z Jun 5. Ponca City Okla- Station, NJ2BB. 1200Z Jun 5-2359Z Jun 6 50th homa's Annual Jumpin in June celebration. 28.360 anniversary of the four Iowa Class battleships sailing 21.360 14.260 7.260. QSL or certificate. Joseph together. 14.250 14.050 7.250 7.050. Certificate. Margaret Burgess, KB2BRR, 150 Schooner Ave, Barnegat, NJ 08055.

Celebrating the restoration of WWII B-25D Mitchell Club, WY7U. 1800Z Jun 5-1800Z Jun 6. Butch bomber Yankee Warrior-aeronautical-mobile en Cassidy and the Wild Bunch UPRR train robberies. route to and from Reading, PA, Airshow. 146.55.. 21.365 14.265 7.265 3.915. QSL. Sweetwater Ama-Yankee Air Museum, Mr Sevim Ablay, PO Box teur Radio Club, 1000 South Dakota, Green River, www. WY 82935. www.qsl.net/wy7u -- special certificate for working both Jun and Aug events.

Boston Harbor area, MA: USS LST-325 Amateur Linthicum, MD: Historical Electronics Museum Radio Club, W2T. Jun 4-Jun 14. USS LST-325 46- ARC, W3HEM. 1300Z Jun 5-2200Z Jun 6. The day, 4119 mile trip up the east coast of the United contributions of electronics to D-Day invasion. States. All amateur bands. QSL. Robert Wilder, 14.244 7.244 14.044 7.044. Certificate. HEMARC, AF2HD, 6032 Idlemoore Ct, Theodore, AL 36582- PO Box 746 MS4015, Baltimore, MD 21203. http://

Streetsville, ON: Mississauga Amateur Radio Club, 14.260 7.235. Certificate. Jim Aderholt, KI4DH, 128 chael Brickell, 2801 Bucklepost Cres, Mississauga, ON, Canada L5L 1M6. Include \$1 US, 2 IRCs or 2 green stamps for postage. http://www.marc.on.ca/.

Club, K3SMD. 1200Z-2100Z Jun 5. Celebration of Windsor, Ontario: Amherstburg Radio Club, Cobb Island Day 2004. 28.345 21.345 14.245 7.245. VE3TMG. 1600Z Jun 5-2359Z Jun 6 Commemorating CKLW radio station on the air since 1932. 28.460 14.260 7.260. Certificate. Terry Greenwood, **Tylertown, MS:** Southwest Mississippi Amateur 2210 Janette Ave, Windsor, ON, Canada N8X 1Z8.

> 1545 Birmingham, AL: D&G Amateur Radio Associathe restoration of the Vulcan statue. 14.260. QSL. W4DAI, PO Box 51, Alton, AL 35015-0051. http://

> > K1D. 0401Z **Jun 5**-0400Z **Jun 20**. Celebrating Kid's Day and Amateur Radio Awareness. 28.370 21.370

14.270 7.230. Certificate. Peter Schipelliti, 7 Dear- kc7key.org. born Ridge Rd, Atkinson, NH 03811.

New Orleans, LA: Jefferson Amateur Radio Club, 1500Z-2300Z Jun 19. Celebrating the Sesquicenter-W5D. 1400Z-2200Z Jun 6. 60th anniversary of D- nial of Warsaw, IN. 14.240 14.040 7.240 7.040. Cer-Day from New Orleans. 14.250. Certificate. tificate. Joe Sanburn, WA9PSV, 1095 W 200 S, W5GAD, PO Box 73665, Metairie, LA 70033. Warsaw, IN 46580. www.maplenet.net/~lmelton/. http://www.qsl.net/w5gad/.

up 35 kHz 10 15 20 40 m. QSL. WC8VOA, PO Box Rd, 913, West Chester, OH 45071. www.wc8voa.org.

GØSWY/KF4OFR, 4 Bluebell Rd, Bassett South Box 9701, Fayetteville, AR 72702. www.arkan.us. hampton, Hampshire, England SO16 3LQ. www. rsars.org.uk.

Fond du Lac, WI 54935.

Morrisdale, PA 16858. www.qcarc.com.

Weatherly, PA: Anthracite Repeater Association, be used. KB3AGZ. 1300Z-2000Z Jun 12. Weatherly Hill 356, Beaver Meadows, PA 18216.

Club, KC7KEY. 1600Z Jun 12-0400Z Jun 13. W3BGK, PO Box 101, Wellsboro, PA 16901. Tenth Anniversary of Maple Valley club founding. 28.455 21.347 14.267 3.965. Certificate. Tom Patter- Los Alamos, NM: Los Alamos Amateur Radio son, PO Box 488, Maple Valley, WA 98038. www. Club, W5PDO. 1500Z-1800Z Jun 26. Earthwatch

Warsaw, IN: Hoosier Lakes Radio Club, W9W.

Lake Angelus, MI: McMath Hulbert Solar Obser-West Chester (Cincinnati area), OH: West Ches- vatory, K8MHO. 1600Z Jun 19-2000Z Jun 20. 70th ter Amateur Radio Association, WC8VOA. 1200Z anniversary of the first movies of surface of the sun. **Jun 6**-0500Z **Jun 7**. 60th Anniversary of the Nor- 21.350 14.250 7.250 3.850. Certificate. McMath mandy Invasion. 28.305 21.305 14.275 7.275 CW Hulbert Astronomical Society, 895 N Lake Angelus Lake Angelus, MI 48326. mcmathhulbert.org.

Various, England, Royal Signals Amateur Radio Favetteville, AR: Amateur Radio Klub of the Ar-Society, GB6OL. 0700Z Jun 6-2359Z July 3. 60th kansas Northwest, W5F. 1400-0000 Jun 19-20 and Anniversary of Operation Overlord 1944. 21.070 1400-000 Jun 20-21. Airfest 2004. Bottom portion 21.056 14.070 14.056. QSL. Mike Humphrey, of General band 20m 15 m SSB. QSL. ARKAN, PO

Rock Island, IL: Green River Valley Amateur Radio Society, K9G. 1800Z Jun 23-1800Z Jul 4. Fond du Lac, WI: Fond du Lac Amateur Radio Grand Excursion 2004--150th anniversary of Amer-Club, Inc, W9W. 1800Z Jun 11-1800Z Jun 13. ica's first railroad connection to the Mississippi Walleye Weekend Festival. 28.350 21.350 14.250 River. 14.270 21.305 7.260. QSL. Peter Beedlow, 7.250. OSL. Dave Witt, WD9W, 1160 S Park Ave, NN9K, 741 Greenway Ave, Colora, IL 61241. www.grandexcursion.com.

Clearfield, PA: Quad County Amateur Radio Club, Boston Harbor area, MA: USS LST-325 Amateur N3QC. 1400Z-2000Z Jun 12. Clearfield County Bi-Radio Club, W2T. Jun 26-Jul 1. USS LST-325 46centennial. 444.625 146.865 14.230 7.225. Certifi- day, 4119 mile trip up the east coast of the United cate. QCARA, Jeffrey Rowles, 3319 Allport Cutoff, States. All amateur bands. QSL. Robert Wilder, AF2HD, 6032 Idlemoore Ct, Theodore, AL 36582-4036. Trip begins May 24; WW2LST/MM will also

Climb. 7.280. Certificate. Jack Provizzi, PO Box Landrus, PA: Nessmuk Amateur Radio Association, W3BGK. 1500Z-2100Z Jun 26. 1890 coal mine ghost town of Landrus, first electric coal mine Maple Valley, WA: Maple Valley Amateur Radio in area. 14.240 7.240. Certificate. Nessmuk ARA,

Institute's Student Challenge Awards Program from Mitchell, 816 Long Dr, Quincy, IL 62305. Fenton Hill Observatory. 28.450 21.350 14.250. gov/earthwatch.

K4UP. 1800Z Jun 26-1800Z Jun 27. Annual emergeocities.com/kg4bto1/dekalb club.html. gency communications readiness demonstration. 14.225. QSL. K4UP, PO Box 3, Castalia, NC 27816. Kingsville, TX: Wild Horse Desert Hams ARC, www.qsl.net/w4rmt/fieldday.shtml .

Green Bay, WI: Green Bay Mike and Key Club, 21.350 14.250 7.250. QSL. Pat Allison, KD5TXD, K9EAM. 0100Z Jun 19-1800Z Jul 2. In celebration 295 E FM 1118, Kingsville, TX 78363. of Green Bay's Sesquicentennial. 21.245 14.245 7.245 3.845. QSL. Green Bay Mike and Key Club, Lake Kiowa, TX: Lake Kiowa ARC, K5L. 0001Z PO Box 13351, Green Bay, WI 54307.

La Crosse, WI: Riverland Amateur Radio Club, W9L. 1500Z-2200Z Jul 2. The Grand Excursion recreating the 1854 steamboat expo. 21.280 14.280 Fort Missoula, MT: Hellgate Amateur Radio Club, 7.280. Certificate. Roger Reader, KA9BKK, 526 W7PX. 1500Z Jul 3-0000Z Jul 5. Lewis and Clark 13th Ave N, Onalaska, WI 54650.

W8O. 1400Z Jul 2-2200Z Jul 3 Ashland Balloon- amerion.com/k7vk. Fest 2004. 7.275 7.235 3.975 3.935. Certificate. W8RPS, 834 CR 30A, Ashland, OH 44805.

125th Anniversary of the City of Brookings, SD. Monee, IL 60449. 28.450 21.350 14,260 7.260. QSL. W0XO, 307 Third Ave, Brookings, SD 57006. www.qsl.net/ Thompson, OH: Lake County Amateur Radio Asbrrc/.

Club, KS0LV. 1700Z Jul 2-2400Z Jul 11. Lewis & darbrook Dr, Painesville, OH 44077. Clark/Leavenworth, KS, Sesquicentennial Celebration. 21.370 14.240 7.262 3.902. QSL. The Pilot Van Wert, OH: Van Wert Amateur Radio Club, Leave nworth, KS 66048.

Hannibal, **MO**: Hannibal Amateur Radio Club, PO Box 602, Van Wert, OH 45891. W0MTL. 1400Z-2300Z Jul 3. National Tom Sawyer Days. 21.350 14.250 7.250. Certificate. Robert G.

Certificate. Don Casperson, AA5PA, 984 Nambe Smithville, TN: DeKalb County Amateur Radio Loop, Los Alamos, NM 87544. http://laastro.lanl. Club, KC4GUG. 1400Z-2200Z Jul 3. 33rd Annual Smithville Fiddlers Jamboree & Crafts Festival. 28.425 21.325 14.280 7.275. QSL. Wm Freddy Cur-Rocky Mount, NC: Castalia Island DX Association, tis, 288 Dogwood Cir, Smithville, TN 37166. www.

> K5WHD. 0000Z Jul 3-0000Z Jul 4. 100th anniversary of the founding of Kingsville, TX. 28.350

> Jul 3-2359Z Jul 4. Lake Kiowa July 4th Celebration. 21.250 14.250 14.170 7.072. Certificate. Jim Innis, K5SP, 1005 Kent Dr, Gainesville, TX 76240.

Expedition and Independence Day. 28.365 21.365 14.265 7.265. QSL and Certificate. HARC, POB Ashland, OH: Ashland Area Amateur Radio Club, 3811, Missoula, MT 59806-3811. http://pweb.

Beecher, IL: Hams of Beecher, W9B. 1600Z-2300Z Jul 4. 4th anniversary Welcome Home Beecher **Brookings, SD:** Brookings Amateur Radio Research Train Depot. 28.340 14.270 14.040 7.270 146.49. Club, W0BXO. 1400Z Jul 2-0001Z Jul 3. The Certificate. Gene Backlin, 26811 Greenbriar Dr,

sociation, N8GB. 1400Z Jul 4-0200Z Jul 5. Heritage of Our Country--Happy Birthday America. Leavenworth, KS: Pilot Knob Amateur Radio 2.1320 7.248. Certificate. George R. Bair, 386 Ce-

Knob Amateur Radio Club Inc, PO Box 632, W8FY. 1400Z-2000Z Jul 5. Holiday at Home--Van Wert County Historical Museum. 14.250 7.250 7.050. Certificate. Van Wert Amateur Radio Club,

TREASURER'S REPORT

TREASURER'S REPORT May 2004 Date: 30-May-04

Beginning Balance \$6,553.75

INCOME

Dues and Tickets \$72.50

TOTAL INCOME \$72.50

EXPENSES

University of Memphis \$22.94
Bellsouth \$121.06

TOTAL EXPENSES \$144.00

Ending Balance \$6,482.25

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



June 26-27 at Freeman Park in Bartlett

SPARKS is published monthly by the Delta Amateur Radio Club and is mailed 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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