

Late Arrivals:

Welcome to our new member, Rob Hutchinson, KI4ODT.

Minutes of April 5, 2006

The Club President, Mike Brannock, KG4IES, called the April meeting to order at 7:39 p.m. The meeting was moved this month to the conference room at Clark Distributing due to a local emergency. A chlorine leak at the Versailles Waste Water Treatment Plant, requiring several homes to be evacuated, did not cause in any injuries. The minutes of the last meeting were reviewed. A motion to accept the minutes made by Rob Hutchinson, KI4ODT, was seconded by Paul Harrington IV, KF4YRK. The motion carried.

Committee Reports:

Program: Due to the delayed meeting start, the program for April has been rescheduled for the May meeting. The program will be a presentation on the design and development of a CTCSS synthesizer.

Repeater: Documentation received from SERA indicates that all three repeaters are frequency coordinated. Steve McFadden, KA4TJD, has received the forms necessary to insure the equipment with the ARRL. He continues to investigate replacement costs.

Field Day: The Field Day rules are now available on the ARRL web site.

Net Report: The net was called as scheduled through the month of April. An additional net was called on the 7th in response to developing weather. Small hail was reported south of Versailles.

4/6/2006	4/7/2006	4/13/2006	4/20/2006	4/27/2006
KB4ENQ	KB4ENQ	KB4ENQ	KB4ENQ	KB4ENQ
KF4YRK	KI4ODT	KF4LRK	KI4ODT	KI4ODT
KF4LRK	KA4TJD	KC4WZO	KD4GNX	KE4GNX
KE4GNX	KG4IES	KE4GNX	KF4LRK	KE4AIE
KA4TJD	N6QDO	KE4AIE	KG4TND	KF4DSS
KI4OJI	AG4RI	KI4LSG	KE4AIE	
KG4TND	WB9TPG	KI4DMN	KE4PBV	
KE4AIE		KE4PBV	KI4CRX	
KI4LSG	WEATHER			
WA4PCS	NET			
KE4PBV				

Newsletter: The membership is invited to contribute articles, ideas and requests for additional features. A swap shop feature was suggested.

Adopt-A-Highway: The March cleanup date was cancelled due to weather. The backup date was moved to May 6th due to a scheduling conflict. The Club will meet at 8:00 a.m. at McDonalds on May 6th for breakfast followed by the trash removal.

Fund Raising: No new information.

Emergency: A new CERT class will be starting in June, call Sarah Cunliffe, 873-4541 for details.

Web Site: No new information.

Old Business:

The dates reported for the County Fair were wrong. The correct dates are June 10th through 17th. The Club still intends to help with ticket sales on Monday of that week. The new date is June 12th. Currently, Paul 3, Mike, Jerry, Todd and Rick have volunteered.

Drew Chandler delivered additional Club badges. Thanks again, Drew, for a fine job creating the badges.

New Business:

The Club has been asked to help with a parade, to be held on June 10th, associated with the County Fair. Tentative volunteers are Jerry, Steve, Paul 3, Paul 4, Rob, and Mike.

Steve McFadden, KA4TJD reported receiving an e-mail from Ron Whitmer, K4OAN. The e-mail suggested that he would be interested in donating the following equipment to the Club:

Hi-Gain Tri-Band Beam
Heath-Kit hybrid Phone Patch, Model HD-15
Heath-Kit SB-221, 2 KW linear amplifier

The membership indicated that Steve should pursue this generous offer.

A motion from Steve McFadden, KA4TJD, seconded by Jerry Mueller, KC4WZO, closed the meeting. The motion carried, at 8:43 p.m.

Attendance:

Mike Brannock	KG4IES	Rob Hutchinson	KI4ODT
Rick Stanback	N4WCQ	Steve McFadden	KA4TJD
Paul Harrington III	KB4ENQ	Drew Chandler	EM
Paul Harrington IV	KF4YRK	Jerry Mueller	KC4WZO

For Sale, Wanted, Take This Its Yours:

The membership is invited to submit entries for items wanted or for sale.

Free to a good home: Computer / Radio desk. A 32x72 inch white laminate tabletop is supported by two 19-inch rack units. The rack units are 28 inches tall, resulting in the tabletop at 30.5 inches above the floor. The unit sits on casters, and one of the rack units is fitted with a file drawer. A smaller rack at the rear of the knee space contains a power distribution unit with circuit breaker. Power is supplied by heavy line cord. For details contact Paul Harrington III, KB4ENQ, 859-361-5020.

Upcoming Exams:

08-May-2006
Sponsor: NORTHERN KENTUCKY ARC
Time: 6:00 PM (No walk-ins)
Contact: LYLE H HAMILTON
(513)315-4032
Email: AB8SH@ARRL.NET
VEC: ARRL/VEC
Location: TURKEYFOOT MIDDLE SCHOOL
3230 TURKEYFOOT ROAD
REGISTER AT LEAST 3 DAYS AHEAD
MAY ALSO CALL 513-533-5604
FORT MITCHELL, KY 41047

13-May-2006
Sponsor: BLUEGRASS AR SOCIETY
Time: 10:00AM (Walk-ins allowed)
Contact: FERNIE D WILLIAMS
(859)245-2140
Email: KE4MAI@ARRL.NET
VEC: ARRL/VEC
Location: RED CROSS BUILDING-CLASSROOM B
1450 NEWTOWN PIKE
AT GRIFFIN GATE BLVD
HTTP://WWW.BLUEGRASSARS.ORG
LEXINGTON, KY 40511

13-May-2006
Sponsor: HARDIN COUNTY TESTERS
Time: 9:00 AM (Walk-ins allowed)
Contact: ARCHIE A MACK
(270)351-6159
Email: AMACK1@BBTEL.COM
VEC: ARRL/VEC
Location: HARDIN COUNTY PUBLIC LIBRARY
NORTH BRANCH
800 SOUTH LOGSDON PARKWAY
ACROSS FROM NORTH HARDIN HS
RADCLIFF, KY 40160

15-May-2006
Sponsor: NORTHERN KENTUCKY ARC
Time: 6:00 PM (No walk-ins)
Contact: LYLE H HAMILTON
(513)315-4032
Email: AB8SH@ARRL.NET
VEC: ARRL/VEC
Location: TURKEYFOOT MIDDLE SCHOOL
3230 TURKEYFOOT ROAD
REGISTER AT LEAST 3 DAYS AHEAD
MAY ALSO CALL 513-533-5604
FORT MITCHELL, KY 41047

Upcoming Hamfests:

18-21 May 2006 Kennebec ARS & 7272 and
1872 Ragchewers Group
<http://www.ragchewers.net>

Talk-In: 146.72
Contact: Martin W. Rigoulot, K1PIG
427 Sandy River Road

Kents Hill, ME 04349
Phone: 207-293-2393
Email: k1pig@arrl.net
Dayton, OH
Dayton Holiday Inn
Wagoner Ford Road
Div: Great Lakes
Sect: Ohio

19-21 May 2006 Dayton Hamvention / ARRL
EXPO 2006
Dayton ARA
<http://www.hamvention.org/>
Talk-In: 146.94 (PL 123)
Contact: Jim Nies, WX8F
PO Box 964
Dayton, OH 45401-0964
Phone: 937-276-6930
Fax: 937-276-6934
Email: info@hamvention.org
Trotwood, OH
Hara Arena
1001 Shiloh Springs Road
ARRL EXPO info: www.arrl.org/expo
Div: Great Lakes
Sect: Ohio

17 Jun 2006 Milford ARC
<http://www.w8mrc.com>

Talk-In: 147.345+
Contact: Chris Reinfelder, KB8SNH
3782 Grovedale Place
Cincinnati, OH 45208
Phone: 513-351-2776
Fax: 859-534-4884
Email: kb8snh@fuse.net
Milford, OH
Eastside Christian Church
5874 Montclair Blvd.
Div: Great Lakes
Sect: Ohio

10 Jun 2006 Knoxville Hamfest and Electronics
Exposition
Radio Amateur Club of Knoxville
<http://www.W4BBB.org>
Talk-In: 147.300 (PL 100)
Contact: Ashley Ferguson, KI4FYA
6424 Shetland Drive
Knoxville, TN 37920
Phone: 865-579-4568
Email: ki4fya@yahoo.com
Knoxville, TN
Kerbela Temple
South Knoxville
Div: Delta
Sect: Tennessee

From the ARRL News Letter:

==>EUROPEAN HAMS HEAR SIGNALS FROM THE EDGE OF SPACE

Hams in Germany and Portugal reportedly have received signals from the US Voyager 1 spacecraft <<http://voyager.jpl.nasa.gov/>> in March and April. On March 31, AMSAT-DL (Germany) radio amateurs at the Institute for Environmental and Future Research (IUZ) at Bochum Observatory used a 20-meter radio telescope dish to detect Voyager 1's 8.4 GHz signal.

Using Doppler shift and sky positioning, the German team received the signal from a distance of 8.82 billion miles (14.7 billion km)--nearly 100 times the distance from the sun to Earth. This is the first recorded reception of signals from Voyager 1 by radio amateurs.

Members of the AMSAT-DL/IUZ team included Freddy de Guchteneire, ON6UG, James Miller, G3RUH, Hartmut Paesler, DL1YDD, and Achim Vollhardt, DH2VA/HB9DUN. Assisting were Theo Elsner, DJ5YM of IUZ, and Roger Ludwig of Jet Propulsion Laboratory (JPL), as well as the Deep Space Network (DSN) tracking station in Madrid, Spain.

Luis Cupido, CT1DMK, in Portugal reported April 15 that he spent "two nights without sleep" to hear Voyager I at his QTH using a 5.6-meter dish. To detect the signal, Cupido says he had to acquire and integrate spectrograms over an extended period.

"I did several acquisition periods of 15 minutes (900 s), the minimum I would expect to see something," he said on his Web site <<http://w3ref.cfn.ist.utl.pt/cupido/dsn.html>>, noting that any longer time period would be incompatible with his Doppler-shift correction scheme. "The receiver is operated at fixed frequency, and the Doppler variation was corrected by skewing successive spectrograms in software while accumulating [images]."

He based positive identification of Voyager 1's signal on the fact that signal is "only visible for the right skew amount that corresponds to the Doppler variation as predicted by the relative velocity calculation."

Voyager 1 was launched in September 1977 to conduct close-up studies of Jupiter and Saturn, Saturn's rings and the larger moons of the two planets. Designed to last only five years, the probe is expected to send back astronomical information to NASA and JPL until at least 2020. Voyager 1 will study ultraviolet sources among the stars, and its fields and particles instruments will continue to search for the boundary between the sun's influence and interstellar space.

==>SEVERE WEATHER RAVAGES TENNESSEE, HAMS HEED THE CALL TO HELP

On Friday, April 7, Western Tennessee was ravaged by tornadoes, and once again, Amateur Radio Emergency Service (ARES) volunteers were called on to help provide emergency communication. According to Tennessee Section Emergency Coordinator Jimmy Floyd, NQ4U, more than 70 counties experienced the heavy thunderstorms and tornadoes that swept the western part of the Volunteer State. In all, the National Weather Service (NWS) issued more than 130 weather watches and warnings and reported at least 26 tornadoes. Nearly two dozen counties suffered property damage and loss of life. Twelve people died, and more than 160 others were injured as a result of the severe weather.

By 1 PM local time, the Middle Tennessee Emergency Amateur Radio Society (MTEARS) repeater system carried numerous reports of severe weather and damage to many areas of the state. According to Floyd, the MTEARS UHF system spans most of Tennessee, with Nashville as its hub. Both the National Weather Service (NWS) and the Tennessee Emergency Management Agency (TEMA) monitor the system. Local television stations monitor ARES and SKYWARN traffic, as well, he said.

The first tornado watches began in the early afternoon, and by 4:15 PM local time, the Tennessee Section ARES was placed on Alert condition "Charlie." Within 20 minutes, the entire state activated, and hams were monitoring HF and local repeaters, remaining on the air to assist in any way until almost midnight.

During the storms, the NWS in Old Hickory lost power as well as telephone service. NOAA Weather Radio and radar also were unavailable for a time. Amateur Radio volunteers stepped up to the plate, and--thanks to their emergency/disaster training--were able to relay needed information.

Wilson County Emergency Coordinator Pete Navarra, K4IWX, works for the county's emergency management agency. He said that because of information relayed via Amateur Radio, his county was able to dispatch three ambulances, two rescue trucks, one fire engine and a host of Community Emergency Response Team (CERT) search-and-rescue responders and their mobile command post to hard-hit Sumner County.

Amateur Radio also helped to dramatically decrease emergency personnel response times, Navarra said. "It was interesting to hear several calls from the Metro Nashville Office of Emergency Management, Tennessee Emergency Management Agency and other local agencies trying to communicate," he recounted. "Conventional methods of communication did not work--even cell phone service in Wilson County had gone out. Amateur Radio is needed and it works!"

Floyd agreed. "This has been a big test of the ARES system in Tennessee, but rest assured, we will be ready to go when needed."

==>FIRES AND LOCAL EVENTS KEEP NEW MEXICO HAMS BUSY

With a dry spring underway, fire season is in full swing in New Mexico, and Amateur Radio operators have been on the front lines. What started out as a small 150 acre fire near Mora on April 12, roared into a 10,000 acre blaze overnight. ARES personnel in Santa Fe, Taos, Los Alamos and Sandoval Counties were placed on alert in the afternoon of April 13. Mora County was in danger, as well, but does not have an ARES support group.

Winds were gusting to more than 35 miles per hour and the humidity hovering under 10%. The fire spread rapidly and evacuations were ordered for Ojo Feliz, Los Hueros, Ocate and numerous ranches in northern New Mexico for what is now called the Ojo Feliz Fire. Investigators believe the fire was human-caused.

Once Gov Bill Richardson signed an Emergency Declaration Order for the affected area, local hams jumped into action. Mike Scales, K5SCA, Gary Surad, K5BIQ, Andrew Parker, KC5ZYF, Jay Miller, WA5WHN, and Don Scott, N5UJT, all from the Sandoval County ARES, went to assist Mora County Rd Cross shelters and the New Mexico State Police Mobile Command Center. All traffic was handled via voice through the 147.30 MHz Elk Mountain Repeater, allowing direct communications with Santa Fe and Rio Rancho, or VHF simplex.

By noon on Friday, April 14, the shelters had closed and Amateur Radio operations were suspended, but once again, ARES groups were placed on alert for yet another fire that began near Vaughn, New Mexico (Guadalupe County). Fortunately, fire crews were able to jump on that fire and get it under control quickly.

In addition to the fire, ARES groups from Taos and Los Alamos assisted with safety communications for the annual Pilgrimage to Chimayo. Starting in the darkness before Good Friday (April 14), pilgrims line the highways north of Santa Fe carrying crosses and glow sticks. By Easter Sunday, 65,000 worshipers pass through the doors of El Santuario de Chimayo, a little chapel built almost 200 years ago on a site that is sacred to many Pueblo Indians and descendants of Spanish settlers. Many walked more than 100 miles on the pilgrimage carrying crosses and other religious items. ARES volunteers monitored the pilgrims along the journey that traditionally follows US highway 84/285. Due to construction, the pedestrians had to be detoured through Village of Tesuque.

Grants County Amateur Radio operators were involved in a Search and Rescue mission on April 14, and Sandoval County ARES was involved the week before in a Hazmat spill in Cuba, New Mexico. -- Charlie Christmann, K5CEC, ARRL PIO, New Mexico Section

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