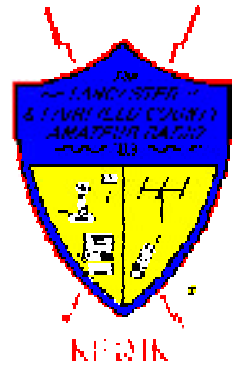


The Ragchewer

April 2003



The Monthly
News Letter
of The
Lancaster &
Fairfield
County
Amateur
Radio Club

Club Meetings:

1st Thursday of every month at 7:30 p.m. at the Club House on State Route 37 (Granville Pike) next to Beavers Field.

Radio Night:

Every Thursday of every month (Except 1st Thursday) at the Clubhouse, 6:30 p.m. to 8:30 p.m. on State Route 37 (Granville Pike) next to Beavers Field.

Net:

Mondays 9 p.m.
147.030 MHz (+.6)
146.700 MHz (-.6)
Alternate Freq.
443.875 MHz (+5)

Club Packet BBS:
145.53 MHz
K8QIK-1 BBS
K8QIK-2: OHIO53
(Club Node)

The ARRL Letter
Vol. 22, No. 12
March 21, 2003

Paul Harvey airs kudos for ham radio's emergency role
RADIO COMMENTATOR PAUL HARVEY PLUGS HAM RADIO'S EMERGENCY COMMUNICATIONS ROLE

Veteran ABC Radio Networks commentator Paul Harvey this week offered some kind words for Amateur Radio. The mention was the second item on "page four" of his March 19 Paul Harvey Noon News and Comment program.

"America's quiet warriors are the legion of ham radio operators, 700,000 of them, who are always at ready for backup duty in emergencies--amateur, unpaid, uncelebrated, civilian radio operators, during and after floods and fires and tornadoes," Harvey said. "After the 9/11 attacks, hams were indispensable in reuniting friends and families. Most recently it was they who expedited the search for debris after the disaster to the space shuttle Columbia, and right now, at this moment, they are involved in homeland security to a greater degree than you would want me to make public."

The commentary's enigmatic and mysterious final sentence--typical of Harvey's habit of leaving his listeners hanging--apparently refers to the fact that many Amateur Radio Emergency Service (ARES) and Radio Amateur Emergency Service (RACES) teams have ramped up their alert status as hostilities get under way in the Middle East.

The entire Wednesday noon broadcast is available on Paul Harvey's Web site <<http://www.paulharvey.com/>>. Click on the Wednesday noon link under "Listen Now."

March Birthdays

KC8DPH Edward "Trey" Campbell
AA8AT Earl E. Ogg
KB8JLG Allen P. Sellers
KA8HQL Jeffery P. VanMeter

April Birthday

W8RRJ John Hull
WA8VCV Richard V. Smith
WA8WRM William T. Tschopp
KB8NRR Anna B. Campbell
KC8DJP Virginia M. Stieble
W8HOS James E. Whitaker
KC8GUN Mary R. Webb
KC8RJC Stephen O. Harley

Skating Party

May 18 2003
Amanda Skating Rink
1:00 pm. To 3:00 pm.

The Lancaster and Fairfield County Amateur Radio Club Monthly Minutes

- Meeting called to order by the President
- Pledge of Allegiance
- Visitors
 - o No visitors
- New Applications
 - o No new applications
- Secretary report Read by Jon Larabee
 - o Read minutes.
 - o Motion to accept by John Wolfe, seconded by Bob Bickel
- Treasury Report by Ed Campbell
 - o Finances report given.
 - o Motion to accept by Bob, seconded by Hollywood.
- Trustee's report (Richard Schieffer)
 - o No report, not present.
- Activities Manager (Charlie Snoke)
 - o No report.
- Station Engineer (John Wolfe)
 - o .703 repeater has a pl tone at 71.9 Hz (CTCSS). Ohio repeater council chose this frequency. Decoder will be installed within a couple of weeks. EMA may support a packet backbone, as packet use had dropped.
- VE Testing
 - o On the 20th a test section will take place.
- Net Manager
 - o No Report (Not Present)
- Emergency Coordinator (Ed Campbell Senior)
 - o MS Walk to take place on April 26. Meet up at the Triple A building at 8:30 am.
- Safety (Scott Snoke)
 - o Not present.
- Old Business
 - o Skating part will be May 18th from 1-3 PM.
 - o April 26 is the MS Walk.
 - o Picnic table is being looked into. Motion to find one made by Charlie, Tom seconded. Charlie will check into it.
- New Business
 - o Gary and Harry are both ill, please keep them in your prayers.
- Closing
- Motion to close made by Bob Bickel, seconded by Mike.

The ARRL Letter

Vol. 22, No. 13

March 28, 2003

IN THIS EDITION:

Georgia hams aid in tornado's aftermath

FCC plans to hike vanity fee

Humans "passengers on Earth," astronaut tells students

FCC wants weekly reports from Maine ham

ARRL to offer new "Beyond the Repeater" course

Utah ham antenna bill gets governor's signature

Former astronaut fills in after missed ARISS contact

ARRL Hiram Percy Maxim Award nominations due March 31

Solar Update

IN BRIEF:

This weekend on the radio Deadline looms for ARRL technical awards nominations STORY Sudan DXpedition continues apace Famous DXpeditioner Danny Weil, ex-VP2VB, reported ill ZL1AMO Air Ambulance Fund reaches goal

Tom Atkins, VE3CDM, elected to Canadian Amateur Radio Hall of Fame

GEORGIA HAMS RESPOND IN AFTERMATH OF KILLER TORNADO

Amateur Radio operators in southwestern Georgia this week helped their neighbors and relief agencies in the wake of a tornado March 20 that left six people dead and 200 or more injured--dozens seriously. Georgia Gov Sonny Perdue declared a state of emergency in Mitchell and Worth counties--located south of the City of Albany. According to the Georgia Emergency Management Agency (GEMA), the tornado rendered dozens of houses uninhabitable and damaged many others. Upward of two dozen amateurs have been assisting responding organizations including the American Red Cross, the Salvation Army and Georgia Baptist Disaster Relief. Albany Metro Area SKYWARN had activated earlier in response to severe weather warnings.

"ARES members of the Albany Amateur Radio Club--who are just about all Red Cross volunteers--have been taking emergency response vehicles (ERVs) to the affected areas to feed victims and provide vital communications," said ARRL Lee County Emergency Coordinator Bob Smith, K4PHE, who's also a Red Cross communications officer. Other hams helped with damage assessment, shelter communications and other duties. Several ARES members volunteered continuously for several days after the tornadoes struck.

By week's end, ARES District 7 (Southwestern Georgia) Emergency Coordinator J.D. Goings, AA4P, reported that the amateurs' response to the tornado in Mitchell County--the worst hit area--was winding down. Goings was among those supporting the Georgia Baptist Disaster Relief team as a communicator for the clean-up and recovery and cooking units. "There is a lot of damage, and it is widespread," he indicated, adding that ARES members did "a fantastic job" helping out in Mitchell and Worth counties. Two fatalities occurred in Worth County, and four others died in Mitchell County, according to GEMA.

Dougherty County EC Arthur Shipley, N4GPJ, the disaster chairman for the Southwest Georgia Chapter of the American Red Cross, organized Red Cross and ARES operations. The Red Cross established a shelter at Mitchell County Middle School on March 21, and N4GPJ set up a 2-meter station to coordinate communications from there. The shelter closed March 22.

Goings and Red Cross EC Dale Culp, W1BPP, deployed to the Baptist church in Camilla with the Georgia Baptist feeding unit. They set up a mobile communications trailer with radios on the Albany Repeater--the primary communications frequency. They also erected an antenna and a UHF repeater for local communication. Smith said the tornado took a northeasterly path from Camilla through Worth County, destroying several other homes in its path. "The devastation in Camilla was unbelievable," he said. "This tornado hit the same homes that were destroyed and then rebuilt when a tornado hit Camilla in 2000."

The Valentine's Day 2000 storm claimed 11 lives.

FCC PROPOSES TO HIKE VANITY CALL SIGN FEE

The FCC has proposed increasing the regulatory fee to apply for, renew or reinstate an Amateur Radio vanity call sign from \$14.50 to \$16.30 this fall. The Commission included the new fee in a Notice of Proposed Rulemaking (NPRM) "Assessment and Collection of Regulatory Fees for Fiscal Year 2003" (MD 03-83), released March 26. The closing date for comments on the new fee schedule is April 25. Reply comments are due by May 5.

"We estimate that 9800 applicants will apply for vanity call signs in FY2003," the FCC said in its NPRM. That's up by 800 from FY2002. The agency expects to collect revenues of nearly \$160,000, an increase of almost \$30,000 from

If all goes as it has in the past, the FCC will adopt a Report and Order on the FY2003 fee schedule this summer, and the new fee will become effective sometime in early September.

The FCC NPRM also seeks comments on its efforts to review, streamline and modernize its fee assessment and collection processes and procedures. "We welcome comments on a broad range of options in this regard," the FCC said. Areas of particular interest include suggestions for improvement in the agency's electronic payment system. Applicants for amateur vanity call signs will continue to pay the \$14.50 regulatory fee per call sign (per 10-year license term) until the FY2003 fee schedule becomes effective. The FCC has said in the past that because it continues to incur costs related to vanity call signs even after their issuance or renewal, it believes a regulatory fee at renewal is appropriate.

Interested parties may comment via the FCC's Electronic Comment Filing System (ECFS) <<http://www.fcc.gov/cgb/ecfs/>>. Enter "03-83" in the "Proceeding" field. The FCC said it expected to have the docket available by March 28 for the posting of electronic comments.

Electronic comments by e-mail also are welcome. To receive filing instructions for e-mail comments, send an e-mail to ecfs@fcc.gov and include the words "get form <your e-mail address>" in the message body.

The ECFS will reply with a sample form and directions on filing comments.

A copy of the FCC Notice of Proposed Rule Making is available on the FCC Web site http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-03-64A1.doc.

ASTRONAUT PHILOSOPHIZES ON MANKIND'S PLACE DURING ARISS QSO

Astronaut Don Pettit, KD5MDT, told students at an Australian school that humans are more like passengers on earth than stewards of the planet. Pettit commented during an Amateur Radio on the International Space Station (ARISS) contact March 19 with students at St Ursula's Girl's College in Toowoomba, Queensland.

"Mankind's place in the universe, from this experience I believe, it reminds you that men are not the stewards of Earth but more like we are passengers on Earth," Pettit said via NA1SS, "and the planet will go about its business regardless of what human beings do, and we just need to make sure as human beings that we do things wisely and don't mess things up for ourselves."

During the QSO, Pettit also confirmed that Earth is, indeed, a sphere and not flat. "If you view the earth with the unaided eye, it's difficult to detect the presence of humans," he said in response to another question.

Pettit--who had served as crew spokesperson for most Expedition 6 ARISS contacts--also addressed the issue of privacy between male and female residents onboard the ISS. "Out of necessity, we can't have separate facilities up here," he explained. "So male and female astronauts have to share the same bathroom and the same shower and all those facilities. You have very little privacy up here."

Pettit managed to answer 15 questions put to him by 11 St Ursulas's students, who ranged in age from 13 to 17. Teacher Jason Contarini said the students had competed to participate on the basis of questions submitted in advance. Handling the contact was ARISS Earth station veteran Tony Hutchison, VK5ZAI, in Kingston, South Australia. Tim Bosma, W6ISS, moderated, and WorldCom provided the teleconferencing circuit.

ARISS is an international program with participation by ARRL, NASA and AMSAT. For more information, visit the ARISS Web site <http://ariss.gsfc.nasa.gov/>.

FCC OFFICIAL REQUESTS WEEKLY REPORTS FROM MAINE HAM

The FCC's Boston office has requested a Maine amateur to submit weekly reports detailing some of his on-the-air activities. FCC Boston District Director Vincent F. Kajunski wrote Glenn Baxter, K1MAN, on March 4. Kajunski said the FCC needed the information to determine if Baxter was operating his station in compliance with Part 97 and with rules regarding recording and broadcasting of telephone calls.

"Your Amateur Radio station is apparently being used for broadcasting various 'programs,' 'talk shows,' children's shows and programs having nothing to do with Amateur Radio," Kajunski said in his letter. "Transmissions from your station are being used for deliberate interference and for communications in which you apparently have a pecuniary interest."

Kajunski also alleged that transmissions from Baxter's station "start and end erratically, are sometimes repetitive and abruptly end with no identification as required by Commission rules." Such operation, he said, indicates the transmissions "are not under the control of a licensed operator." Kajunski's three-page letter also outlines other complaints and allegations involving transmissions from or operation of K1MAN.

Starting March 17, Kajunski said he wants weekly reports from Baxter that, among other specifics, provide the name, address, telephone number and exact location of the control operator and the method of station control used when K1MAN transmits. He also requested dates, times and frequencies of broadcasts of telephone conversations; transmissions referencing the offer of a degree in electronics or an IARN (International Amateur Radio > Network) credit card; transmissions referencing the IARN Web site; and transmissions soliciting donations of radio

Kajunski further asked for a record of CQs transmitted, including recorded or automated CQs and a description of any responses, including the call sign of responding stations. He also requested that Baxter provide within 30 days information on the alleged transmission of an "apparently continuous 'CQ' loop that the FCC says aired at approximately 10-second intervals for more than two hours on February 3, 2003, on 20-meter SSB.

Within the same time frame, the FCC also wants a list of dates, length of time and frequencies "during which your amateur station has operated since February 15, 2002, without you at the transmitter location." If any, Kajunski asked for the name and address of the control operator, the location of the control operator and control point and the method of control used.

In other enforcement news, the FCC has notified the Cadet Amateur Radio Seminar at the US Military Academy at West Point that its repeater appears to interfere with a coordinated repeater, NA1RA, in New Milford, Connecticut. The Connecticut Spectrum Management Association (CSMA) coordinated the NA1RA repeater, operated by the Northville Amateur Radio Association, on January 31, 2001. The FCC says the request was cross-coordinated--and "no objection received"--with the Upper New York Repeater Council (UNYREPCO), the coordinating entity for W2KGY.

Hollingsworth wrote March 10 that UNYREPCO apparently did not coordinate with CSMA before issuing coordination to W2KGY, although the coordination request went to seven other adjacent repeater coordinating bodies. In light of the "failure or refusal" to inform CSMA of W2KGY's request, he said, "it is apparent that the Northville repeater, NA1RA, is the coordinated repeater" for 146.73, the channel both repeaters share. Hollingsworth said that according to the FCC rules, the licensee of an uncoordinated repeater has a primary responsibility to resolve the interference. He also asked the W2KGY owners to furnish any proof of coordination prior to 2001. If the FCC determines that both repeaters are coordinated, W2KGY's owners still would have to detail steps taken to minimize or eliminate interference to NA1RA, Hollingsworth explained.

Selected FCC correspondence related to Amateur Radio enforcement and provided by the FCC is posted on the ARRL Web site http://www.arrl.org/news/enforcement_logs/.

"BEYOND THE REPEATER" COURSE IS NEXT C-CE OFFERING

The next ARRL Certification and Continuing Education (C-CE) Program course soon will be available. "VHF/UHF: Beyond the Repeater" delivers on the promise of its title, immersing students in the smorgasbord of operating in the world above 50 MHz beyond FM voice. Beta testing of the course now is under way.

"Most of our testers went through the course fairly quickly, partly because it's such a good read," said C-CE Coordinator Howard Robins, W1HSR. "The input we've been getting has been very positive." Beta testing will continue through April 4. Initial registration for the first class is tentatively set for May 19. The course will be designated EC-008.

One tester said the new course "covers a lot of ground and is very thorough." Another commented that the course had reinvigorated his interest in satellite operating and direction finding. A third found the APRS unit "very informative."

QST Editor Steve Ford, WB8IMY, authored the course. He said its purpose is not only to reach out to Technician class licensees but to open new operating vistas for anyone who has not ventured beyond the local 2-meter machine.

"This course shows what else there is to do with VHF and UHF," Ford said. "There's the challenge of 'weak-signal' operating, the novelty of amateur television (ATV) and new frontiers in meteor-scatter work and Internet radio linking. This brings new life to the old hand-held radio."

The course features a variety of Internet resources, audio and visual materials, and even an on-the-rocket launch video utilizing ATV. Further, course activities were designed with the typical ham's budget in mind, recognizing that most amateurs have modest station equipment.

The new course will join seven others now offered by ARRL's burgeoning Certification and Continuing Education Program. To learn more, visit the ARRL Certification and Continuing Education (C-CE) Web page <http://www.arrl.org/cce>.

UTAH GOVERNOR SIGNS AMATEUR RADIO ANTENNA BILL

Utah Gov Michael Leavitt has signed that state's Amateur Radio antenna bill, HB 79. The bill unanimously passed a third reading in the Utah Senate February 14 on a 23-0 vote, less than a month after it was introduced. It had earlier passed the Utah House on a 65-8 vote. Leavitt signed the bill March 15. It becomes effective May 5.

"Thanks to the hams who originated the bill and defended it in its committee hearings," said a comment on the Utah Amateur Radio Club's "News About UARC and Ham Radio in Utah" Web site <http://www.xmission.com/~uarc/announce1.html#prb1bill>>. Thanks also to those who contacted their state senators and representatives and helped assure passage."

Continued on page 5

Sponsored by Rep Neal B. Hendrickson, HB 79, "Regulation of Amateur Radio Antennas," prohibits municipalities and counties in Utah from enacting ordinances that fail to comply with the limited federal preemption known as PRB-1. The measure requires local ordinances involving placement, screening or height of an Amateur Radio antenna that are based on health, safety or aesthetics to "reasonably accommodate amateur radio communications" and to "represent the minimal practicable regulation to accomplish the municipality's purpose."

ARRL Utah Section Manager Mel Parkes, AC7CP, has credited Mike Davis, KD7FQD, and John Hanson, KI7AR, for developing the bill and getting Hendrickson to sponsor it. A copy of the legislation is available on the Utah State Legislature Web site <http://www.le.state.ut.us/~2003/bills/hbillint/hb0079.htm>.

Utah becomes the 17th state to enact an Amateur Radio antenna bill. PRB-1 bills are under consideration in several other states, including New York, New Jersey and California. For more information about PRB-1, visit the ARRL Web site's Antenna Restrictions page <http://www.arrl.org/FandES/field/regulations/antenna-restrictions.html>.

FORMER ASTRONAUT FILLS IN FOLLOWING FAILED ARISS CONNECTION

Former NASA astronaut and Mir veteran Dr Norm Thagard, ex-K4YSY, did yeoman's duty answering youngsters' questions about life in space after an effort to contact the International Space Station via ham radio failed March 22. Thagard spent about 15 minutes during the grand opening celebration for the Challenger Learning Center of Tallahassee answering youngsters' questions originally intended for ISS Expedition 6 crew commander Ken Bowersox, KD5JBP. NASA said Bowersox had priority duties aboard the ISS that prevented him from being on hand at NA1SS for the scheduled Amateur Radio on the International Space Station (ARISS) QSO.

"For astronauts in low-Earth orbit, the main entertainment is going to be just looking out the window," Thagard said in response to one of the questions posed by teams of 12 middle school students. Thagard serves as board chairman for the center and is associate dean of College Relations at the Florida A&M University-Florida State University College of Engineering. The 32,000-square-foot Challenger Learning Center in downtown Tallahassee is a kindergarten through grade 12 outreach facility of Florida A&M.

Thagard also explained that surface tension of liquids helps to keep foods in place while eating. "You have to be real careful," Thagard added, recalling a time he accidentally released some hot chocolate into zero gravity.

Because there's no atmosphere in space, the weather is "always sunny if it's day," he said. A "day" in space consists of 50 minutes of light and 40 minutes of darkness, as the spacecraft orbits Earth approximately every 90 minutes. "It certainly does foul up your circadian rhythm, your normal sleep-wake cycle," Thagard said. Astronauts can see weather on Earth below, however, such as clouds and storms, he added.

Thagard said he knows Bowersox and Expedition 6 crew member Nikolai Budarin, RV3FB, with whom he trained for his Mir stint in 1994 and spent five days aboard the Russian space station during a crew transition in 1995. He told another pair of student questioners that "folks get along pretty well in space."

The Challenger Center, named to honor the shuttle Challenger crew lost in 1986, uses an aerospace theme to foster interest in math, science and technology and motivate students to pursue careers in those fields.

ARISS International Chairman Frank Bauer, KA3HDO, said he appreciated the fact that Thagard stepped up to the plate to handle the questions. The College of Engineering's club station KF4LOA also was on the air for the grand opening celebration.

ARRL HIRAM PERCY MAXIM AWARD NOMINATIONS DUE MARCH 31

Time is running out to nominate an exceptional young Amateur Radio operator for the ARRL Hiram Percy Maxim Award. Nominations are due to section managers by March 31!

The HPM Award winner receives an engraved plaque and a check for \$1500. The award goes each year to an enthusiastic and active amateur licensee aged 21 or younger whose contributions to Amateur Radio and the community are of the most exemplary nature. An ideal nominee may be involved in recruiting new hams through demonstrations as well as by example to his or her peers; on the air and/or public service activities; employing technical ingenuity to further Amateur Radio; public relations activities; and participating in organizations on a local, state or national level.

SOLAR UPDATE

Propagation wonk Tad "Don't Let The Sun Catch You Crying" Cook, K7RA, Seattle, Washington, reports:

Solar flux and sunspot numbers declined again this week. Average daily solar flux was down more than 31 points to 100.6, and average daily sunspot numbers were down nearly 30 points to 62.4. Solar flux was lowest on Saturday, March 22 at 89. Solar flux has not been this low since 1998, when it was 89 on May 21 and 87.4 the following day.

UNIVERSAL RADIO TOP 80 ITEMS: Prices & Specials

➤ ALINCO *Alinco promotion ends 04/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#4238	DJ-196T	\$139.95		\$139.95	67
#1596	DJ-596T	219.95		219.95	67
#0472	DJ-V5TH	229.95		229.95	67
#0222	DJ-X 2T	219.95		219.95	17
#1003	DJ-X 3T	239.95		239.95	17
#3610	DJ-X10T	329.95		329.95	17
#2020	DJ-X2000T	769.95		499.95	17
#1980	DR-135T	169.95		169.95	62
#4236	DR-135TP	269.95		269.95	62
#3621	DR-605TQ	349.95		349.95	
#0620	DR-620T	369.95	New item!	369.95	62

➤ AOR *AOR promotion ends 06/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#3662	AR-5000+3B	\$2149.95	Free Book #0042	\$2149.95	21
#0083	AR-8200Mk3B	589.95	Free Book #0042	589.95	21
#1860	AR-8600Mk2B	889.95	Free Book #0042	889.95	21

➤ DRAKE *Drake promotion ends 06/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#0082	R8B	1469.95	Free Book #0042	\$1469.95	11

➤ GRUNDIG *Grundig promotion ends 06/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#0800	Satellit 800	499.95	Free MiniWorld100 #4440	499.95	7
#3500	S350 Field	99.95	New!	99.95	6
#0400	YB-400PE	149.95	Free Stand #0022	149.95	6

➤ ICOM *ICOM promotion ends 04/30/03*

Order	Model	Regular	Comment	Price	Pg.
#1610	207H	\$294.98	\$20+ ^{\$30} Coupon	\$244.98	61
#3450	706Mk2-g	1059.95	\$250+ ^{\$20} Coupon +RMK706	789.95	58
#2703	703	689.95	+ ^{\$20} Coupon	669.95	58
#0718	718	724.95	\$125+ ^{\$50} Coupon +UT106	549.95	58
#0074	746 Pro	1799.95	+ ^{\$200} Coupon +PS125	1599.95	58
#1756	756 Pro II	2969.95	+ ^{\$200} Coupon +PS125	2769.95	58
#1910	910H	1474.95	\$275+ ^{\$50} Coupon	1149.95	61
#2100	2100H-25N	179.95	+ ^{\$30} Coupon	149.95	61
#0272	2720H	399.95	+ ^{\$20} Coupon	379.95	61
#2481	Q7A	129.95	\$10+ ^{\$10} Coupon	109.95	64
#1002	PCR1000-02BON	399.95	\$25+ ^{\$20} Coupon+ #0042	354.95	20
#3333	R 3-26	469.95	\$100+ ^{\$10} C. +Spectrum Chart	359.95	18
#0005	R 5-06	199.95	+ ^{\$10} Coupon	189.95	19
#3550	R10-05	349.95	\$50+ ^{\$10} C. +Spectrum Chart	289.95	19
#0175	R75	799.95	\$200+ ^{\$50} Coupon +UT106	549.95	10
#1850	R8500-02	1499.95	+ ^{\$100} C. +Book #3301	1399.95	18
#4429	T2H Sport	99.95	+ ^{\$10} Coupon	89.95	64
#3052	T7H	199.95	\$10+ ^{\$10} Coupon	179.95	64
#0690	T90A	259.95	+ ^{\$10} Coupon	249.95	64
#0088	V8	164.95	\$35+ ^{\$10} Off Coupon	119.95	64
#4080	V8000	249.95	\$50+ ^{\$20} Off Coupon	179.95	61
#0838	W32A	279.95	+ ^{\$10} Off Coupon	269.95	65

➤ JAPAN RADIO CO. *JRC promotion ends 06/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#1545	NRD-545DSP	1799.95	Free JRC ST-3	\$1799.95	12

➤ KENWOOD *Kenwood rebate ends 05/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#1575	TH-22ATK2	\$219.95		\$219.95	63
#4211	TH-D7AG	349.95		349.95	63
#0066	TH-F6A	329.95		329.95	63
#3699	TH-G71A(H)	239.95		239.95	63
#2164	TM-261A	149.95		149.95	60
#4116	TM-D700A	519.95		519.95	60
#1621	TM-G707A	279.95		279.95	60
#3565	TM-V7A	409.95		409.95	60
#1862	TS-570D(G)	1069.95	\$200 Rebate	869.95	54
#2519	TS-570S(G)	1269.95	\$200 Rebate	1069.95	54
#1978	TS-2000	1749.95	Free Heil GM4 mic	1749.95	54
#2797	TS-2000X	2249.95	Free Heil GM4 mic	2249.95	54
#1937	TS-B2000	1549.95	Free Heil GM4 mic	1549.95	54

TS570D/S prices shown are after manufacturer's rebate

➤ SANGEAN *Sangean promotion ends 05/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#3505	ATS-505P	\$129.95		\$129.95	5
#3319	ATS-606AP	119.95		119.95	5
#0936	ATS-808A	119.95		119.95	5
#2754	ATS-818 SL	149.95		149.95	5
#1069	ATS-818ACS	199.95		199.95	5
#1909	ATS-909	239.95	Free SR25V AM/FM/TV	239.95	5
#4403	CC Radio+ GRY	169.95	Free Book FM Atlas	169.95	27
#4404	CC Radio+ SILV	169.95	Free Book FM Atlas	169.95	27

➤ TEN-TEC

Order	Model	Regular	Comment	Price	Pg.
#0320	RX-320	\$294.95		\$294.95	14
#0321	RX-320D	328.95	DRM Capable	328.95	
#0340	RX-340	3950.00		3950.00	16
#0350	RX-350	1199.00		1199.00	15

➤ YAESU *Yaesu promotion ends 06/30/03.*

Order	Model	Regular	Comment	Price	Pg.
#2786	FRG-100B	\$599.95		\$599.95	14
#3070	FT-50RD-41	269.95	\$50 Coupon	219.95	66
#1242	FT-90R	359.95		359.95	62
#3473	FT-100D	1094.95	\$250 Coupon	844.95	57
#0817	FT-817	759.95	\$100 Coupon	659.95	56
#2319	FT-840	739.95		739.95	56
#1467	FT-847	1849.95	\$300 Coupon	1549.95	56
#0857	FT-857	849.95	New!	849.95	57
#0897	FT-897	1019.95	\$70 Coupon	949.95	56
#1955	FT-920	1499.95	\$200 Coupon	1299.95	56
#2360	FT-1000MPv	3099.99		3099.99	56
#2736	FT-1500M	219.95		219.95	62
#2800	FT-2800M	159.95	New!	159.95	62
#0890	FT-8900R	439.95	\$50 Coupon	389.95	62
#3120	VR-120D	204.95		204.95	20
#0500	VR-500	319.95		319.95	20
#0050	VR-5000	899.95	Free #0042	899.95	20
#3652	VX-1R	199.95	\$30 Coupon	169.95	66
#1795	VX-5R BLACK	349.95	\$50 Coupon	299.95	66
#4430	VX-5RS SILVER	349.95	\$50 Coupon	299.95	66
#0777	VX-7R SILVER	369.95	\$50 Coupon	319.95	66
#0778	VX-7RB BLACK	368.95	\$50 Coupon	318.95	66
#3187	VX-150/64B	169.95		169.95	67



Universal Radio, Inc.
 6830 Americana Pkwy.
 Reynoldsburg, Ohio 43068
 800 431-3939 Orders & Prices
 614 866-4267 Information
 614 866-2339 FAX Line
 dx@universal-radio.com

www.Rffun.com
www.universal-radio.com
HUGE FREE CATALOG
 The informative Universal Radio Catalog covers everything for the shortwave and scanner enthusiasts. Request your free copy today!

- Prices and specs. are subject to change!
- Free items require purchase of indicated radio.
- Mfg. supply some free items directly.
- Coupon applied after state sales tax if any.
- Promotions may be extended or cancelled.
- Returns subject to a 15% restocking fee.
- Used equipment list available on request.
- Visa • Mastercard • Discover • JCB

80.p65
 Universal Radio ... Quality Equipment Since 1942.

The Lancaster and Fairfield County Amateur Radio Club

2002/2003 Officers:

President: James Gaffney N8JEG

Vice President: Tom Moore KB8USK

Treasurer: Ed Campbell Sr., WD8PGO

Secretary: Jon Larabee KC8RUI

Activities: Charles Snok N8KZN

Station Engineer: John Hilliard, W8OF

Trustee: Richard A. Schleiffer, W9ZZX

Flower Fund: Marie Moore, KB8VOL 653-9092 and Candie Wright KC8NQG

Editor: Bob Bickel N8UTE

Field Day Chairman: Chuck Bruckelmeyer, W8LCT

Public Service Communications



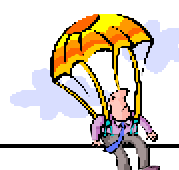
Edward Campbell, WD8PGO Fairfield Co. EC

Multiple Sclerosis Walk

VE TESTING= Sunday April 16, 9:30 A.M. American Red Cross 131 W. Mulberry St. Lancaster,

April 26, 2003 Sat. Meet at the AAA building at the Fairfield County Fairgrounds at 8:30 Am.

Athens Hamfest 2003 advertisement including details on admission (\$5), location (Athens Recreation Center), and contact information.



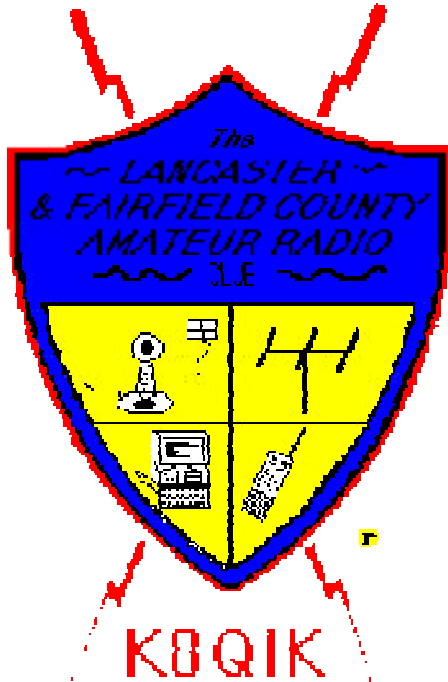
Drop in and see us on Radio Night, Thursday evenings at 6:30 PM.

Check out our Club Web Site at: www.qsl.net/k8qik

CENTRAL OHIO CW LEARNING NET The CW Learning Net is Every Friday night at 8:00 P.M. on the W8CMH repeater 145.490 (-). Portion of 2 hour net is devoted to letter learning and the balance to QSO designed to promote speed development. Carl, AA8YY is Net Control.

SLOW SCAN TV NET The COSSTV (Central Ohio Slow Scan TV), http://www.qsl.net/n8tut/sstv, Net is the first Sunday of every Month at 7:00 PM. The group meets on the W8CMH repeater 145.490(-). All you need is a 2m radio, a computer with a sound card, and the W95SSTV software. The Software is available on the internet at http://www.siliconpixels.com/W95SSTV/W95dload.htm .

L.F.C.A.R.C.
P.O. Box 3
Lancaster, OH 43130



Here's the April 2003 Ragchewer!

- ◆ *Activities*
- ◆ *Upcoming Exams*
- ◆ *Public Service Communications*
- ◆ *Repeater/Net News*
- ◆ *Up coming Events*
- ◆ *And More.....*