

The Ragchewer



November 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 2003-2004 Club Officers

President Charles Snoke N8KZN
Vice President Tom Moore KB8USK
Treasurer Edward Campbell WD8PGO
Secretary Jon Larabee KC8RUI
Activities Manager Connie Snoke N8LPC

Subject: For immediate release

The Michigan and Ohio ARRL Section Managers will use the 2004 Dayton Hamvention as the prize for a wager on this November's Ohio State-Michigan football game at The Big House in Ann Arbor, Michigan.

The two Big Ten football rivals play the 100th edition of their famous game Saturday, November 22. Michigan Section Manager Dale Williams, WA8EFK, and Ohio SM Joe Phillips, K8QOE, depending on whether Michigan Wolverines or the Ohio State Buckeyes win, agreed to the following:

-----The losing Section Manager will be the slave of the winner during all three days of Hamvention (Friday, May 14 to Sunday, May 16, 2004) which means (1) chauffeuring the winning SM to and from Hara Arena; (2) taking all the winner's purchases, including all boat anchors, to his car, and (3) pay for lunch at the Hara Arena for all three days-----.

"Our Ohio brother, Joe, K8QOE, will discover the real meaning of the word, work, after the Michigan Wolverines takes care of business this year," Michigan SM Dale said of the wager, "Joe will wish he had never heard of football."

The University of Michigan leads the storied rivalry the past 99 games -- 56-37-6 -- but The Ohio State University has won the past two games, That football competition, which ends the regular season for both teams, is one of America's most well known college football games. Conference championships and national rankings are decided on this contest

Subject: [Fwd: The ARRL Letter, Vol 22, No 44]
The ARRL Letter Vol. 22, No. 44 November 7, 2003

IN THIS EDITION:

November 7 last day to file comments with FCC on Morse testing petitions
Logbook of the World now works on Macintosh computers
IARU, ARRL support Amateur Radio course at Albanian University
NWS/ARRL SKYWARN Recognition Day set for December 6
Tim Lewallen, KD5ING, wins Philip J. McGan Memorial Silver Antenna Award
Solar Update

IN BRIEF:

This weekend on the radio Progress Energy reaches out to NC hams on BPL
South Africans Launch Telescope Special Event Nov 21
Missouri Traffic Net Legend SK at 93

NOVEMBER 7 LAST DAY TO FILE COMMENTS WITH FCC ON MORSE TESTING PETITIONS

The deadline to submit electronic comments on seven FCC Petitions for Rulemaking regarding Morse code testing for US Amateur Radio operator is midnight, November 7. As of 7 PM November 6, 1893 comments have been filed by various interested individuals and parties, with a large plurality of respondents commenting on a proposal by FISTS CW Club.

The FCC's Electronic Comment Filing System (ECFS) will accept filings in the following formats: MS Word 6.0 and higher, MS Excel 4.0 and higher, Word Perfect 5.1 and higher, ASCII Text, and Adobe Acrobat Portable Document Format (PDF). Electronic comments must be filed before 12 AM EST; hardcopy comments must reach the commission by 7 PM.

The 14-page petition filed on behalf of FISTS CW Club by Nancy A. Kott, WZ8C, the executive director of FISTS' North American chapter, has drawn almost half of the comments filed on the seven Morse-testing-related petitions-- a total of 877. The FISTS petition would delete the requirement to pass Element 1 to obtain Technician plus Element 1 (ie, "Tech Plus") HF privileges.

Designated RM-10811, it would merge Tech and Tech Plus into a single class, emphasize technical content, including digital modes, on written examinations and extend digital mode privileges within Novice/Tech Plus subbands. It would not provide additional HF phone privileges for Technicians, however. The FISTS petition would retain a 5 WPM Morse exam for General applicants and raise the Morse exam to 12 WPM for Amateur Extra applicants while increasing the technical level on written examinations for both classes.

There are six other Morse-related petitions before the Commission, numbered RM-10805 through RM-10810, taking various stands on testing, WPM and subband segment allocation.

Interested parties may file comments on any or all of these petitions using the ECFS Web site at www.fcc.gov/cgb/ecfs/, which also permits users to view all comments on file. To file a comment, click on "Submit a Filing" under "ECFS Main Links." In the "Proceeding" field, type the full RM number, including the hyphen, and complete the required fields. "RM"

must be in capital letters, and you must include the hyphen between "RM" and the five-digit number.

You may type your remarks into a form or attach a file. ECFS also accepts comments in active proceedings via e-mail, per instructions on the ECFS page. To view filed comments, click on "Search for Filed Comments" under "ECFS Main Links" and type in the complete RM number.

LOGBOOK OF THE WORLD NOW WORKS ON MACINTOSH COMPUTERS

ARRL's Logbook of the World continues to grow and expand, and it's now operational on the Macintosh OS X operating system. Mac enthusiast Steve Palm, N9YTY, compiled a version of TrustedQSL to work with newer Macintosh

computers. The program was built using MacOS version 10.2--"Jaguar"--and was tested on versions 10.2 and 10.3, the new "Panther" upgrade.

Palm, said he had a lot of fun porting the TQSL code to the Mac environment, and was satisfied that he was able to help fill a real need for Mac users. "There was a lot of discussion about this on the HamMac mailing list. It was obvious that many Mac users were looking for something," he said. Palm, the author of EchoMac, a Macintosh OS X EchoLink program, said it took about a week of concentrated effort to complete the port to the Mac platform.

"The base code developed by the TrustedQSL team at ARRL didn't really have any issues that prevented it from being ported to the Mac, so kudos go out to them for doing a good job writing portable code," Palm said. He tackled a few Windows-Mac translation issues and made the Macintosh program "more Mac-like," with configuration and help files embedded in the program so it can be installed in drag-and-drop fashion.

ARRL Web and Software Development Manager Jon Bloom, KE3Z, said he's also working on integrating Palm's MacOS changes into the official source tree so that other Mac developers will be able to easily build a library and their applications from the source code. The TQSL software also runs on the Windows platform, and Red Hat Linux versions 7.2 and 8.

Continued from page 2

The ARRL Letter Vol. 22, No. 44 November 7, 2003

In the six weeks the system has been open to the public, Logbook of the World has accepted logs from 4,000 users from 158 DXCC entities. These users--all with secure digital certificates--have uploaded nearly 21 million QSO records into the system, as of November 3. All of those contacts have so far resulted in more than 350,000 records being

generated, Bloom said.

ARRL Assistant to the CEO David Patton, NN1N, said Logbook continues to evolve, with the ability to claim confirmed contacts for ARRL awards credit being just around the corner. He said the cost per credit would be between 15 and 25 cents, making each credit far cheaper than the cost of mailing a paper QSL card with a self-addressed, stamped envelope and possibly an international reply coupon, as well.

For a complete overview on Logbook of the World, just head on over to the LoTW Web page at www.arrl.org/lotw or check out the article by ARRL Membership Services Manager Wayne Mills, N7NG, on page 46 of the October 2003 QST.

IARU, ARRL SUPPORT AMATEUR RADIO COURSE AT ALBANIAN UNIVERSITY

Beginning November 9, an International Amateur Radio Union (IARU) Region 1 supported course in Albania will commence under the sponsorship of Spartak Poci, the Minister of Telecommunications, and in cooperation with the

Polytechnic University of Tirana.

Thirty-four third and fourth year students will begin a five-week course of study, culminating in a CEPT license examination. A unique part of this program is that Amateur Radio is being integrated into the regular university course offerings using an advanced Radio Society of Great Britain study package as a reference.

Each week of this program in Tirana will benefit from the efforts of invited professional educators from the Amateur Radio community from Albania, Finland, Germany, Hungary, Israel, Italy, Japan, Macedonia, Spain, Sweden and the United States. In total, some 50 Amateur Radio operators, drawn mainly the DX and contesting communities, will travel to Albania to teach. The core organizing team consists of Joseph Obstfeld, 4X6KJ; Carsten Esch, DL6LAU; Angel Padin, EA1QF; Roger Brown, G3LQP; Pietro Mario Ambrosi, I2MQP; Warren Hill, K7WX; Pertti Simovaara, OH2PM;

Marenglen Geni Mema, ZA1B, and Martti Laine, OH2BH.

Professor Giorgio Goggi, I2KMG, and Professor John Share, G3OKA, representing the University of Pavia and the Associazione Radioamatori Italiani, and the University of Liverpool and RSGB, respectively, will teach the first week. Share will serve as a lead teacher for the first three weeks and be succeeded by Uli Weiss, DJ2YA.

The second week segment of the course will be lead by Hill and taught under the supervision of Carl Luetzelschwab, K9LA. Representing the ARRL, team members Dan Brown, N7DB; Rich Chatelain, K7ZV; Robin Critchel, WA6CDR; Paul Rubinfeld, WF5T, and Don Wilson, K6RKE, will demonstrate hands-on operating practices and cover the topics of the Earth's magnetic field, the mysteries of radio propagation, practical antennas, the role of Amateur Radio in society, FCC/CEPT examinations, transmitter interference, QSL practices and successful DXpeditioning.

During this five-week period, ZA1A--the station of the Albanian Amateur Radio Association--will be active on many bands and in a variety of modes while demonstrating Amateur Radio to local telecommunications and education administrators, as well as to the students. Multiple locations will be used and several stations may be active at the same time. All QSL request should be sent via OH2BH.

After the course, all equipment used will be put to serving the Albanian amateur community. The progress of the entire project can be followed on the Internet at www.za1a.com. This educational program is supported by the International Amateur Radio Union (IARU) Region 1 with additional support from the ARI, ARRL, RSGB, IARC, URE, the Northern California DX Foundation, Vertex Standard Co Ltd (Yaesu), Fluidmotion Inc (SteppiR beams), Malev Airlines and Rogner Europark Hotel in Tirana. --Martti Laine, OH2BH

NWS/ARRL SKYWARN RECOGNITION DAY SET FOR DECEMBER 6

The fifth annual SKYWARN Recognition Day will take place Saturday, December 6, 2003, 0000 UTC to 2400 UTC. During the special event, Amateur Radio operators visit National Weather Service (NWS) offices and contact other operators around the world. The purpose of the event is twofold: to recognize Amateur Radio operators for the vital public service they perform during times of severe weather and to strengthen the bond between radio amateurs and their local NWS office. The event is cosponsored by the American Radio Relay League and the National Weather Service.

Traditionally, hams have assisted the National Weather Service during times of severe weather by providing real-time reports of severe events and storm evolution. "You simply can't put a price tag on it," said Scott Mentzer, N0QE, organizer of the event and Meteorologist-In-Charge at the NWS office in Goodland, Kansas. "The assistance that radio amateurs provide to the NWS throughout the year is invaluable."

The story doesn't stop there. Deployed during a winter storm last March, hams in Fairbanks, Alaska reported pinpoint locations of freezing rain and snow. The information was relayed on 2 meters, which allowed the local NWS office to sharply define the warning area and provide detailed statements of ice accumulation. In Wisconsin, a volunteer operator reported to the NWS office at early one spring morning and solicited snowfall reports from amateurs across the region, allowing the NWS to produce a detailed snow graphic and make a public statement summarizing the storm. Amateur Radio success stories such as these occur every year, all across the country.

In 2002, participants logged nearly 23,000 QSOs during the 24 hour event. Last year nearly 70 countries were contacted. To learn more, check out the NOAA Web site. -- Thanks to David Floyd, N5DBZ, Warning Coordination Meteorologist, NWS Goodland, Kansas

ARRL ANNOUNCES 2003 PHILIP J. MCGAN MEMORIAL SILVER ANTENNA AWARD WINNER

Tim Lewallen, KD5ING, of Nacogdoches, Texas, is the winner of the 2003 Philip J. McGan Memorial Silver Antenna Award, the ARRL announced November 5. The award is given annually to an ARRL member who demonstrates outstanding volunteer public relations success on behalf of Amateur Radio.

Lewallen has been licensed since 1999, and is an ARRL Public Information Officer (PIO) for the League's North Texas Section. He also serves as a PIO for the Nacogdoches Amateur Radio Club.

Not long after Lewallen took on his ARRL PIO position earlier this year, the space shuttle Columbia disaster occurred. Hams in Texas immediately got involved in the debris recovery effort, and Lewallen knew there was a story to be told. Lewallen quickly sought out advice from fellow participants on the League's public relations reflector and implemented a

media plan that garnered a lot of positive press for the ham radio emergency responders, and Amateur Radio in general.

"Through his efforts and cooperation with the response agencies, Amateur Radio was cast in a very positive light," said ARRL Public Relations Committee Chairman Jeff Reinhardt, AA6JR.

Aside from his work during the shuttle disaster, Lewallen works regularly with his local media, helps build positive awareness about Amateur Radio by giving talks to community groups and is a regular contributor on the League's public relations reflector. "Tim's resourcefulness and willingness to tell the Amateur Radio story sets a fine example for all

PIOs," says Reinhardt. "The PR Committee was pleased to recommend Tim for this year's honor."

Lewallen was nominated by Army Curtis, AE5P, and Lloyd Colston, KC5FM. He will receive an engraved plaque, and ARRL officials in the League's North Texas Section are planning an in-person presentation.

The McGan Award was created in 1993 in memory of Phil McGan, WA2MBQ (SK). He was a journalist, the first chairman of the League's Public Relations Committee and an enthusiastic supporter of volunteer PR efforts to benefit

ham radio.

SOLAR UPDATE Tad Cook, K7VVV, Seattle, Washington, reports:

Last week's events caused excitement, but this week was positively historic. The largest explosion ever recorded in our solar system occurred Tuesday, November 4, when an X28 class flare exploded from sunspot 486. The flare erupted as the giant sunspot was about to rotate from the visible disk. This means the blast wasn't aimed at earth, but

was in a great position for taking images. The eruption saturated X-ray detectors on NOAA's GOES (Geostationary Operational Environmental Satellites), and was so strong that the X28 measurement had to be estimated, as did the solar flux for November 4.

The flare saturated observing satellites for about 13 minutes during the peak of the event, according to Christopher Balch of NOAA SEC, who spoke with Tomas Hood, NW7US. The measurements stopped at X17.4. The level of the flare was estimated by analyzing data from HESSI, the High Energy Solar Spectroscopic Imager. The last time a huge flare saturated X-ray detectors was in April, 2001, and that one was X20, the biggest recorded at that time. Keep in mind that there aren't any accurate records of flare intensity before about 30 years ago.

Sunspot numbers for October 30 through November 5 were 293, 266, 277, 174, 76, 79 and 32, with a mean of 171. 10.7 cm flux was 271.4, 248.9, 210.4, 190.4, 166.9, 168 and 114, with a mean of 195.7. Estimated planetary A indices were 162, 93, 21, 18, 10, 31 and 9, with a mean of 49.1.

IN BRIEF:

* This weekend on the radio: The Worked All Europe (WAE) DX Contest (RTTY), the Japan International DX Contest (Phone), the South African Radio League Field Day Contest, the OK/OM DX Contest, the EA-QRP Club Contest, and the Anatolia ATA PSK31 Contest are all on tap for this weekend. The ARRL November Sweepstakes (Phone) is a week away. See the ARRL Contest Page <<http://www.arrl.org/contests>> and the WA7BNM Contest Calendar <<http://www.hornucopia.com/contestcal/index.html>> for more info.

* Progress Energy reaches out to NC hams on BPL: North Carolina amateurs are getting heard regarding

Progress Energy should work with. ARRL North Carolina Section Manager John Covington, W4CC, and ARRL Lab Supervisor Ed Hare, W1RFI, were identified as primary persons for Progress Energy to work with. Godwin set a positive

tone by promising that Amateur Radio operators would be part of the next phase of testing, to begin early in 2004 in Wake County, NC. Godwin asked about notch filters. It was explained that notching the ham spectrum might work in a limited sense, but it wouldn't protect other services like shortwave broadcast listeners, aviation, etc. Progress Energy completed their Phase I test in the Wakefield area of north Raleigh early last summer. Phase I was designed to give Progress Energy engineers experience with the hardware, and let them know if it really worked. Amateur Radio was not involved in that test, and no Amateur Radio interference monitoring was conducted. But they have been hearing from hams steadily, and stridently, ever since. Phase II is planned for the end of 2003 and early 2004. It will be a larger test and focus more on marketing than technology, but hams will be invited to participate, and their interest will be technical. Both Phase I and II tests involve mostly underground wiring. ARRL Lab Supervisor Ed Hare's testing in areas with underground wiring showed that substantial interference still occurred, though above ground wiring was worse. Progress Energy is testing a system manufactured by Amperion. More information about BPL and Amateur Radio can be found at the ARRL Web site at www.arrl.org/tis/info/HTML/plc/ --Thanks to Gary Pearce KN4AQ, Wake County, NC ARES PIO

South Africans Launch Telescope Special Event Nov 21: A group from the South African Boland Amateur Radio Club will operate a special event station November 21-23 from the Sutherland Observatory in the Northern Cape Province of South Africa. "The purpose is to make amateurs aware of the largest Telescope in the Southern Hemisphere," noted Dennis Green, ZS4BS. Using the call sign ZS1SALT ("South African Large Telescope"), the station will operate from 1100 UTC November 21 until 1000 UTC November 23. All HF frequencies will be used and the station can be worked on phone, CW and digital modes. A special QSL card will be sent to all amateurs who make contact and send direct QSL cards. Cards should be sent to Boland ARC, PO Box 273, STRAND, 7140, Republic of South Africa. For additional information on the project, please visit the Web site www.salt.ac.za, as well as the Boland Amateur Radio Club website at www.qsl.net/zs1bak.

Missouri Traffic Net Legend SK at 93: Letha A. Dangerfield, W0OUD, of Joplin, Missouri died October 31. She was 93 years old. Dangerfield was an active ham for many years, reported Jim Johannes, N0ZSQ. "She handled traffic using CW, which she copied on her Braille typewriter. She was also a net control operator for the Missouri Traffic Net. At one time, Letha won a CW receiving contest at 49 wpm," he said. Dangerfield was born Dec. 4, 1909 in San Francisco, Calif. Although partially blind, she graduated from Joplin High School, ranking 3rd in her class; soon after graduation her eyesight failed completely. She was a member of the Joplin Amateur Radio Club, the Joplin Service Club of the Blind and the board of directors for the Joplin Association for the Blind, serving many years as secretary. Dangerfield was also a published poet. A funeral mass was said November 4 at St. Peter's Church in Joplin.

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The ARRL Letter is published Fridays, 50 times each year, by the American Radio Relay League--The National Association For Amateur Radio--225 Main St, Newington, CT 06111; tel 860-594-0200; fax 860-594-0259; <<http://www.arrl.org>>. Jim Haynie, W5JBP, President.

The ARRL Letter offers a weekly e-mail digest of essential news of interest to active amateurs. The ARRL Letter strives to be timely, accurate, concise, and readable. Visit ARRLWeb <<http://www.arrl.org>> for the latest news, updated as it happens. The ARRLWeb Extra <<http://www.arrl.org/members-only/extra>> offers access to informative features and columns.

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The Lancaster and Fairfield County Amateur Radio Club Monthly Minutes
(November Minutes)

Meeting called to order by the President
Pledge of Allegiance
Installation of New Officers

Visitors

No Visitors

New Applications

None

Secretary report

Read by Jon Larabee
Motion to accept by Bob, seconded by Richard.

Treasury Report (Ed Campbell)

Finances report given.
Motion to accept by Richard, seconded by Jim

Activities Manager (Constance)

The parade is coming up in November and there was a vote to give 100 dollars for door prizes for the Christmas party, and 30 dollars for coffee and donuts for the parade.

Station Engineer (John Hillard)

We received two donated VHF rigs from OUL and from the County Engineers. We are going to use them as back-ups and there was a motion made by Richard and seconded by Bob to spend 50 dollars in order to buy new crystals for them.

VE Testing (Harry Vollmer)

1 tech passed as well as 5 more turned out and passed. A week from Saturday in Logan will be the next testing session

Emergency Coordinator (Ed Campbell Senior)

We need people for the 5 key run (3-4 at 8:30-9:00). On December fourth the EMA coordinator will be visiting our meeting. We are going to be involved with the EMA.

Old Business

7:30 this coming Saturday the ride will take place. We are meeting at the Sunoco station at the county line off of Clearcreek road. Call frequency will be 147.555, simplex. We plan to return by 5:30

New Business

We need gifts for the Salvation army family. Bring in canned items and a list of toys that we could provide will be available soon. Chuck is working on a new Technician license class soon. Please remember all of those individuals whom are facing surgery and illness especially Mrs. Bickel, Mrs. Campbell and Mrs. Schliffer.

Refreshments

Harry Vollmer will provide refreshments for next meeting.

Closing

Motion to close by Hollywood, seconded by Gary.

**The Lancaster
and Fairfield County
Amateur Radio Club**

Public Service Communications



**Edward Campbell, WD8PGO
Fairfield Co. EC**

**2002/2003
Officers:**

President:
Charles Snoke
N8KZN

Vice President:
Tom Moore
KB8USK

Treasurer:
Ed Campbell Sr.,
WD8PGO

Secretary:
Jon Larabee
KC8RUI

Activities:
ConnieSnoko
N8LPC

Station Engineer:
John Hilliard,
W8OF

Trustee:
Richard A.
Schleiffer,
W9ZZX

Flower Fund:
Marie Moore,
KB8VOL
653-9092

Editor:
Bob Bickel
N8UTE

Field Day Chairman:
Chuck Bruckelmeyer,
W8LCT

November Birthdays
Lynda Campbell KB8ZBV
James Gaffney N8JEG
Brenda Van Dyke KC8OYP
Robert Van Dyke W8RVD
Robert Snyder W8BLS
Paul Solek WA1IWH

Holiday Parade
Nov 22 meet at the covered bridge
at the broad street entrance to the
Fairfield County Fairgrounds
At 8:00 am.

Christmas Party
At Donatos Pizza 920 west fair Ave
6:00 pm. In the basement Saturday
December 13,2003



**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>.

UNIVERSAL RADIO TOP 80 ITEMS: Prices & Specials

▶ ALINCO

Order	Model	Regular	Comment	Price	Pg.
#4238	DJ-196T	\$139.95		\$139.95	67
#1596	DJ-596T	219.95		219.95	67
#1003	DJ-X 3T	239.95		229.95	17
#3610	DJ-X10T	319.95		319.95	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	339.95		339.95	
#0620	DR-620T	369.95	New item!	338.95	62

▶ AOR

AOR promotion ends 12/31/03.

Order	Model	Regular	Comment	Price	Pg.
#3705	AR-5000A+3B		Not yet FCC approved.		
#0083	AR-8200Mk3B	589.95	Free Aero Book #0042	589.95	21
#1860	AR-8600Mk2B	889.95	Free Aero Book #0042	889.95	21

▶ DRAKE

Drake promotion ends 12/31/03.

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

▶ GRUNDIG

Grundig promotion ends 12/31/03.

Order	Model	Regular	Comment	Price	Pg.
#0800	Satellit 800	499.95	Free MiniWorld100 #4440	499.95	7
#3500	S350 Field	99.95		99.95	6
#0300	YB-300PE	79.95	Free SWL Guidebook	79.95	6
#0400	YB-400PE	149.95	Free Stand #0022	149.95	6
#0550	YB-550PE	99.95	New item!	99.95	7

▶ ICOM

ICOM promotion ends 11/30/03

Order	Model	Regular	Comment	Price	Pg.
#0208	208H	319.95	\$20 Coupon	299.95	
#3450	706Mk2-G	799.95	\$20 Coupon +RMK706	779.95	58
#0703	703 Plus-15	729.95	\$20 Coupon	709.95	58
#0718	718	599.95	\$50 Coupon +UT106	549.95	58
#0074	746 Pro	1699.99	\$250 Coupon +PS125	1449.99	58
#1756	756 Pro II		\$250 Coupon +PS125	2299.99	58
#1910	910H	1149.95	\$50 Coupon	1099.95	61
#2100	2100H-25N	179.95	\$20 Coupon	159.95	61
#0272	2720H	379.95	\$20 Coupon	359.95	61
#2481	Q7A	119.95	\$10 Coupon	109.95	64
#1002	PCR1000-02BON	369.95	\$20 Coupon +#0042	349.95	20
#3333	R 3-26	359.95	\$10 Coupon	349.95	18
#0005	R 5-06	199.95	\$10 Coupon	189.95	19
#3550	R10-05	299.95	\$10 Coupon	289.95	19
#0175	R75	549.95	\$50 Cpn. +UT106 +#0042	499.95	10
#1850	R8500-02	1489.95	\$50 Coupon +Book #0042	1439.95	18
#4429	T2H Sport	99.95	\$10 Coupon	89.95	64
#3052	T7H	189.95	\$10 Coupon	179.95	64
#0690	T90A	259.95	\$10 Coupon	249.95	64
#0088	V8	129.95	\$10 Coupon	119.95	64
#4080	V8000	189.95	\$20 Coupon	169.95	61
#0838	W32A	269.95	\$10 Coupon	259.95	65

▶ JAPAN RADIO CO.

JRC promotion ends 12/31/03.

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

▶ KENWOOD

Kenwood rebate ends 11/30/03.

Order	Model	Regular	Comment	Price	Pg.
#2222	TH-K2AT	\$149.95	New item!	\$149.95	
#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
#0271	TM-271A	179.95	New item!	179.95	
#4116	TM-D700A	519.95		519.95	60
#1621	TM-G707A	279.95		279.95	60
#3565	TM-V7A	399.95	\$25 Coupon	374.95	60
#0480	TS-480SAT	1299.95	New item!	1299.95	
#2480	TS-480HX	1449.95	New item!	1449.95	
#1862	TS-570D(G)	1069.95	\$100 Rebate +Heil GM4	969.95	54
#2519	TS-570S(G)	1269.95	\$100 Rebate +Heil GM4	1169.95	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 12/31/03.

Order	Model	Regular	Comment	Price	Pg.
#3505	ATS-505P	\$119.95		\$119.95	5
#1069	ATS-818ACS	199.95	Free SWL Guidebook	199.95	5
#1909	ATS-909	239.95	Free SR25V AM/FM/TV	239.95	5
#4403	CC Radio+ GRV	169.95		169.95	27
#4404	CC Radio+ SILV	169.95		169.95	27

▶ TEN-TEC

Ten-Tec promotion ends 12/31/03.

Order	Model	Regular	Comment	Price	Pg.
#0321	RX-320D	\$328.95	Free SWL Guidebook	\$328.95	
#0340	RX-340	3950.00	Free 2004 Passport	3950.00	16
#0350	RX-350	1199.00	Free 2004 Passport	1199.00	15

▶ YAESU

Yaesu promotion ends 11/30/03.

Order	Model	Regular	Comment	Price	Pg.
#2786	FRG-100B	\$599.95	Book #2984	\$599.95	14
#3070	FT-50RD-41	269.95		269.95	66
#3473	FT-100D	999.98		999.98	57
#0817	FT-817	619.95		619.95	56
#2319	FT-840	739.95		739.95	56
#1467	FT-847	1799.95	\$300 Rebate	1499.95	56
#0857	FT-857	799.95	Free DSP2	799.95	57
#0897	FT-897	949.95		949.95	56
#1955	FT-920	1049.95		1049.95	56
#2360	FT-1000MPv	2149.95	Sale	2089.99	56
#2800	FT-2800M	169.95		169.95	62
#3780	FT-7800R	279.95	New item!	279.95	
#0080	FT-8800R	369.95	\$50 Rebate	319.95	62
#0890	FT-8900R	429.95	\$50 Rebate	379.95	62
#3120	VR-120D	199.95		199.95	20
#0500	VR-500	299.95		299.95	20
#0050	VR-5000	599.95	Book #0042	599.95	20
#0176	VX-2R	179.95	\$50 Rebate	129.95	66
#1795	VX-5R BLACK	248.99		248.99	66
#4430	VX-5RS SILVER	249.99		249.99	66
#0777	VX-7R SILVER	329.99		329.99	66
#0778	VX-7RB BLACK	328.99		328.99	66
#3187	VX-150/64B	119.95		119.95	67

FT847, FT8800, FT8900, VX2R prices shown are after mfg's rebate



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- ◆ *Up coming Events*
- ◆ *And More.....*