



Volume XVII Issue 4
Editor: Howard; KC2OJO

April 2010

IMPORTANT NOTICE

Bring your no longer needed ham radio equipment (or related items) to the Thursday, April 8th meeting for our once a year auction. Provide a better home for your excess equipment. If you don't sell it you can bring it home or find the closest dumpster. Bring small items for the Larkfield ARC Paper Bag auction.

Just 2 Months to Field Day! Let's Make Plans and Get Ready!

Minutes of the March 11th General Meeting

The meeting started with 16 member introductions (a quorum) at 7:43 PM. Board members and officers present were Ed KC2E, Fred K2LDC, Roger W2GLE, Gary K2TVN, Pat WS2A and Howard KC2OJO.

Roger W2GLE gave the Treasurer's report but the Secretary's Reading of the minutes was waived as the minutes had previously appeared in QSX.

Howard KC2OJO gave the QSX and Larkfield Web Site report stating that the March QSX had gone out electronically on February 27th and been sent out by mail by Richard KA2LHK shortly afterwards. It was requested that members send stories or articles or pictures that they would like to have put into QSX or the club's web site.

Our co-chairmen for Field Day, Pat W2SA and Fred K2LDC gave the Field Day report. Gary K2TVN, Ed KC2E, and Howard KC2OJO expressed the desire to assist Pat WS2A and Fred K2LDC; . Obtaining the permit for the West Hills site is going forward and Bob Benward AC2AZ suggested the Field behind the South Huntington Library as a possible alternate site.

It was suggested that we need a third volunteer to back up Fred and Pat for overnight duty at the site on Field Day.

Arnold N2PVS gave the Good and Welfare report and stated that his wife, Helene had sent a card from the club to Barbara WA2VQJ following her surgery. It was reported that Steve KC2RKK (currently in California) was feeling much better after going through a bad period several months ago.

Larry N2BKJ, gave the membership report and submitted two new members, Bob AC2AZ and Paul KC2OLO to the club. Howard stated that Martin W2NCS who had been voted into the club last month had his call incorrectly reported in last month's issue of QSX.

Ed KC2E gave the VE report and announced that during the previous VE session there were 4 participants earning 1 Extra, 2 Generals, and 1 Technician license..

Howard KC2OJO and Arnold N2PVS gave the Night Timers and Day Timers reports – both weekly scheduled meetings are ongoing with 3– 6 attendees.

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Minutes of the March 11th General Meeting

Continued from Page 1

A motion to start each future General Meeting with the Pledge of Allegiance was passed.

After much discussion it was decided to hold an auction for member's ham radio equipment at the next (April 8th) General Meeting. Two other topics were discussed before the meeting was closed; a D-Star Demo and presentation and obtaining speakers for future meetings.

The meeting was adjourned at 8:56 PM.

March 11th Executive Board Meeting

Board members and officers present were Ed KC2E, Fred K2LDC, Roger W2GLE, Pat WS2A and Howard KC2OJO. The meeting started at 7:12 PM and

ended at 7:43 PM.

Four topics were covered by the Larkfield Board:
1) The cutoff date for being put on the Larkfield Roster was set at "up to when the Roster is sent out".

2) Pat WS2A agreed to obtain the permit for the West Hills site for Field Day.

3) It was decided to review the club's current insurance and look into any additions that might be needed.

4) It was agreed to mail the Roster to members that had signed up to receive QSX by mail. Electronic delivery would be accomplished by posting the Roster on the club's Web Site where it would be available to all Larkfield ARC members.

The K7RA Solar Update

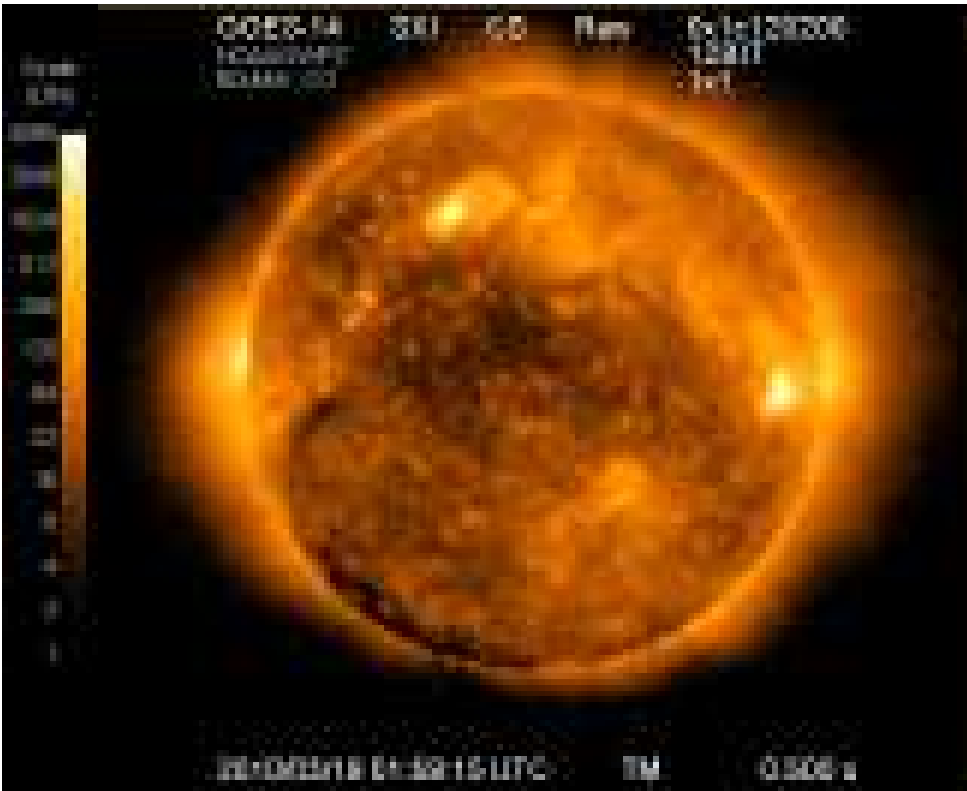
We experienced a bit of a scare this week when four days went by without sunspots. That's right -- for the first time in three months, we saw more than a single day with a sunspot number of 0, and that last period was back during November 23-December 8. Until March 6, there were just three days since then without sunspots, each a bit less than two weeks apart: December 25, January 6 and January 19. Sunspot numbers for March 4-10 were 40, 35, 0, 0, 0, 0 and 12, with a mean of 12.4. The 10.7 cm flux was 81.3, 79.5, 78.3, 76.6, 76.3, 77.9 and 80.3, with a mean of 78.6. The estimated planetary A indices were 6, 2, 3, 4, 3, 2 and 7, with a mean of 3.9. The estimated mid-latitude A indices were 4, 1, 3, 3, 1, 2 and 6, with a mean of 2.9.

On Wednesday, sunspot group 1054 emerged in the northeastern quadrant of the visible solar disc, and just south of the center of the field another sunspot group appeared on Thursday, number 1055. This brought the sunspot number from 12 on Wednesday to 31 on Thursday, March 11. The total area covered by sunspots increased 14 times from Wednesday to Thursday. NASA's [STEREO mission](#) shows a possible third sunspot group possibly appearing over the

horizon in a few days. As of 0300 on March 13, we can see 88.23 percent of the Sun thanks to STEREO; two weeks later the coverage will expand to about 88.42 percent. We should see 90 percent coverage on June 18 around 2323-2335 UTC.

The 45 day forecast for solar flux has been shifting over the past few days. On March 9, it predicted solar flux for March 12-22 at 78, falling to 75 after March 23. On March 10, it shifted to 84 on March 12, 86 March 13-18 then 78 on March 19-22. On March 11 -- the latest available for this bulletin -- it changed to 85 for March 12-15, 83 on March 16, 81 on March 17 and 80 on March 18-19. Check [here](#) for the latest forecast. The new daily forecast appears sometime after 2100 each day.

Current planetary A index prediction from the same source shows the value at 5 on March 12-13 and 7 on March 14-15, then back to 5. Geophysical Institute Prague says watch for quiet conditions March 12-13, quiet to unsettled March 14-15, unsettled March 16 and back to quiet for March 17-18.



**X-Ray Image of the Sun;
3/18/2010
Courtesy of NASA.**

2010 Dues Schedule

Regular Membership _____ \$25.00/Yr Senior Membership (Over 65) _____ \$18.75/Yr

Youth Membership 21 or less and Student _____ \$12.50/Yr

Outside of Repeater Coverage Area _____ \$6.25/Yr

Family Membership (2nd or 3rd, etc.) _____ \$6.25/Yr

Name _____ Call Sign _____

Email Address _____

Membership Type: Reg Sr. Youth Family Outside Chosen

Choose Amount \$25.00 \$18.75 \$12.50 \$6.25 \$6.25 _____

\$5.00 Additional for QSX Mailing? _____

Total _____

Please complete form, make out check to Treasurer L.A.R.C. , and bring to January 14th meeting or mail to:

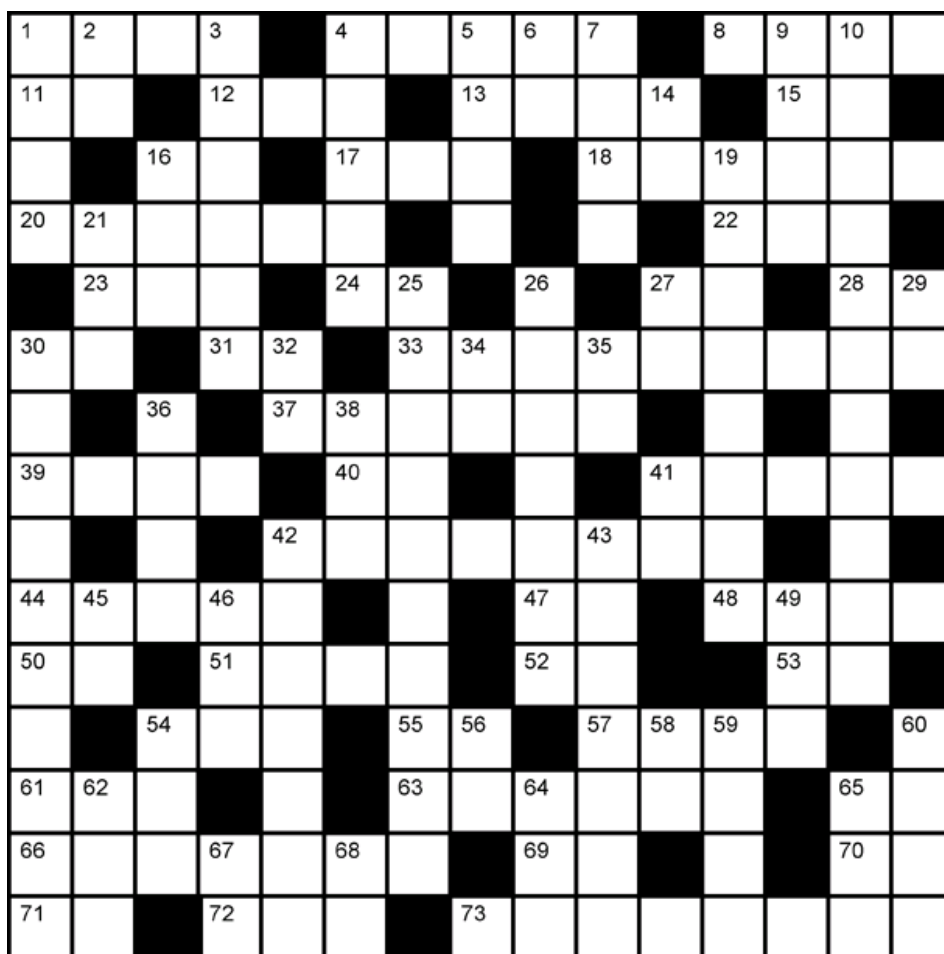
Larkfield Amateur Radio Club
Post Office Box 1450
Huntington, NY 11743

The Amateur Radio Crossword Puzzler

"Music of the (Iono)Spheres"

By H. Ward Silver, N0AX
August 4, 2006

Many hams either play or enjoy music, but how many have stopped to consider how many terms are found in both? Quite a few, as this quiz illustrates! Many words do dual duty for both musician and radio aficionado. You may find yourself humming along as you work out this week's puzzle!



Across

- 1. Low audio frequencies
- 4. Rhythm or display
- 8. Holds an instrument or a radio
- 11. Prefix meaning "no longer"
- 12. Identity or a famous doctor
- 13. One entry in a list
- 15. Cartesian coordinates
- 16. Between La and Do or strong metal (chemical symbol)

- 17. Measures volts (abbr)
- 18. Plucked to make sound or holds up antennas
- 20. Hypnotic state
- 22. Time zone between CST and AST
- 23. Coffee holder
- 24. Big music town and ARRL section
- 27. Reversing current
- 28. Greet or laugh
- 30. DX ..
- 31. If you're too loud at the concert
- 33. A hit in a new genre or frequency separator

- 37. Hold down
- 39. Frequency determining circuits
- 40. Transcendental ratio
- 41. Make it up or improvise (two words)
- 42. Change key or add information
- 44. From low to high frequency
- 47. Belarus prefix
- 48. Used in the sax and early PL encoders
- 50. City by the bay (abbr)
- 51. Learn by practicing
- 52. Going (CW abbr)
- 53. Belongs to you (CW abbr)
- 54. Path over which both antennas are visible (abbr)
- 55. Switches the antenna in a transceiver
- 57. Source of inspiration or to consider
- 61. Not paid for yet
- 63. Emphasize or non-native language characteristic
- 65. Person who signs off on tower plans
- 66. Unmodified or not man-made
- 69. Powered up
- 70. First colony to become a state (postal code)
- 71. Model prefix for Hallicrafters receivers
- 72. Energetic or maximum power level
- 73. Difference in pitch or time

- 38. Stable capacitor
- 41. Impedance matching device (abbr)
- 42. Evaluate numerically
- 43. Amplify or enhance
- 45. Audible frequencies (abbr)
- 46. Prefix meaning "of the Earth"
- 49. Used for sight-reading and found on screws
- 54. Permit
- 56. Timing circuit
- 58. Prefix meaning "not"
- 59. Lead performer or heavenly body
- 60. Type of dance or holder of wound rope
- 62. Grow larger
- 64. Prefix meaning "opposite"
- 65. Device that stores music files (abbr)
- 67. Where the antennas go
- 68. Provides wireless network connection (abbr)

Down

- 1. Sum and difference of frequencies
- 2. Your editor's favorite suffix
- 3. Syncopated music or code
- 4. Display or build a prototype
- 5. What keeps everything from happening at once
- 6. Phoned home
- 7. Stop playing or working
- 9. Line around which something spins
- 10. Electronic device that generates frequencies
- 14. Big Sky country (postal code)
- 16. Greek letter used to denote time
- 19. Instrument or sound storage device
- 21. Used to measure power in a waveform
- 25. Off key or by mistake
- 26. Unauthorized recording or transmission
- 27. Stand by (CW prosign)
- 29. Calculates voltage drop
- 30. Upside down chords or temperatures
- 32. Budapest prefix
- 34. Clockwise rotation (abbr)
- 35. Simplest type of flip-flop
- 36. Wind instrument or an antenna

Answer to last crossword puzzle.

1	T	2	R	E	3	E	4	C	5	M	E	6	W	7	F	O	8	O	9	T			
10	O	C		H			11	H	B			12	P	I	N	E		14	U	N			
15	P	L	16	A	S	17	M	A				18	L	I	N	E	M	A	N				
	P		V			19	U	I				20	D	O	A		21	C	22	C			
23	L	24	I	G	25	H	T	N	I	N	G		N			26	S	E	C				
27	E	N			28	A	E	S				E		29	P		30	F	T	W			
		31	I	M	I			A			32	S	33	K	Y	34	W	A	R	35	N		
36	U	T			37	L	O	W	38	S			39	I	R	A		41	E	E	L		
			42	I	43	N			44	A	45	N	N	O	T	A	T	E					
46	C	A	V	47	I	T	48	Y			49	C	K				50	C	D	51	T		
		L			52	T	A	R			53	S	E	54	A	R	55	C	H		O		
56	C		57	M					58	S		59	D	R				E		60	N	R	
61	L	62	O	O	63	S	E	64	E	N	D			G		65	R	A	I	N			
66	A	I	D	E				67	P	O			68	G	U	69	S	T		C			
70	P	L						71	T	H	A	W	S			72	E	C		73	B	E	E

Printed Courtesy of ARRL

ARRL Requests Support for Senate Bill 1755

Senate Bill 1755 -- *The Amateur Radio Emergency Communications Enhancement Act of 2009* [introduced](#) in October 2009 by Senators Joe Lieberman (ID-CT) and Susan Collins (R-ME) -- has unanimously passed the US Senate and has been [sent to the US House of Representatives for consideration](#) and now sits in the House Committee on Energy and Commerce. The ARRL is asking its membership to contact the leadership of the Energy and Commerce committee, requesting support and action on moving S 1755 through the committee. S 1755 accomplishes the same things as HR 2160; HR 2160 was [introduced in April 2009](#) by Rep Sheila Jackson Lee (D-TX-18). Since S 1755 has already been approved by the Senate, moving it forward in the House will simplify the process.

S 1755 points out that "[t]here is a strong Federal interest in the effective performance of Amateur Radio Service stations, and that performance must be given -- (A) support at all levels of government; and (B) protection against unreasonable regulation and impediments to the provision of the valuable communications provided by such stations."

If enacted into law, S 1755 would instruct the Secretary of Homeland Security ([DHS](#)) to undertake a study -- and report its findings to Congress within 180 days -- on the uses and capabilities of Amateur Radio communications in emergencies and disaster relief. The study shall:

- Include recommendations for enhancements in the voluntary deployment of Amateur Radio licensees in disaster and emergency communications and disaster relief efforts.
- Include recommendations for improved integration of Amateur Radio operators in planning and in furtherance of the Department of Homeland Security initiatives.
- Identify unreasonable or unnecessary impediments to enhanced Amateur Radio communications, such as the effects of private land use regulations on residential antenna installations, and make recommendations regarding such impediments.
- Include an evaluation of Section 207 of the Telecommunications Act of 1996 (Public Law 104-104, 110 Stat. 56 (1996)).
- Recommend whether Section 207 should be modified to prevent unreasonable private land use restrictions that impair the ability of amateurs to conduct, or prepare to conduct, emergency communications by means of effective outdoor antennas and support structures at reasonable heights and dimensions for the purpose, in residential areas. The Secretary of Homeland Security shall utilize the expertise of stakeholder entities and organizations, including Amateur Radio, emergency response and disaster communications. Please contact Committee Chairman Henry Waxman (D-CA-30) and Ranking Member Joe Barton (R-TX-6), urging them to send this bipartisan bill to the House floor for adoption. A sample letter can be found [here](#). Send your letters urging consideration of S 1755 by the House Committee on Energy and Commerce to Rep Waxman via fax at 202-225-2525, and to Rep Barton via fax at 202-225-1919. Also, please fax a copy of your letters to the ARRL's Washington representative, Chwat & Co at 703-684-7594.

Courtesy of ARRL

QSX readers; you can find a copy of the ARRL sample letter mentioned above at:

<http://www.arrl.org/govrelations/sample-letter-S-1755.doc>

Members of the Larkfield Amateur Radio Club are invited to use the W2RGM Repeater System:

2 meters

147.075 MHz out/147.675 MHz in
1.25 meters

224.560 MHz out 222.960 MHz in
70 centimeters

448.525 MHz out 443.525 MHz in
114.8 Hz PL

These machines are linked cross band also

448.500 MHz out 443.500 MHz in
448.475 MHz out 443.475 MHz in

The Larkfield Amateur Radio Club Operates:

WR2ABA HUNTINGTON REPEATERS

2 meters

147.210 MHz out/147.810 MHz in
4z/136.5 Hz PL

Linked cross-band with 70 centimeters

448.675 MHz out/443.675 MHz in
114.8 Hz PL

See Packet Stations on page 7

W2LRC SMITHTOWN REPEATERS

2 meters

145.430 MHz out/144.830 MHz in
4z/136.5 Hz PL

1.25 meters

224.620 MHz out/223.020 MHz in

70 centimeters

448.425 MHz out/443.425 MHz in

These 3 repeaters are linked cross band

The Larkfield Amateur Radio Club
 Affiliated with American Radio Relay League

Officers (one year terms)

President open
 Vice-president open
 Secretary Howard Stern KC2OJO (2010)
 Treasurer Roger Rapp W2GLE (2010)

General Directors (two year terms)

Ed Ebert KC2E (2009-2010)
 Pat McPartland WS2A (2009-2010)
 Chuck Hartley N2JIY (2009-2010)
 Daniel Harris KC2TFS (2010-2011)
 Fred Kruger K2LDC (2010-2011)
 Gary McDowell K2TVN (2010-2011)

WA2PNU Station Trustee Roger Rapp W2GLE
 WR2ABA Station Trustee Roger Rapp W2GLE
 W2LRC Station Trustee Roger Rapp W2GLE

LARC Birthday List

Call	Name	Birthday
KB2PRQ	Scott Buckland	4/7
W2HD	Harry Dannals	4/15
N2SLB	Alan R. Geist	4/2
N2XTE	Thomas Mangan	4/6
KC2NKK	Joseph V. Mustazza	4/30
Total: 5		

If you are reading this on a computer let us know so that we may take you off the mailing list. The latest QSX is always available through a link sent out monthly via the Reflector or anytime you visit the club's website at www.larkfield.org.

Packet Radio Assignment

WA2PNU (0-15)	145.070	BBS; FlexNet Gateway
WA2PNU-4	145.070	Local area PBBS
W2SWR-1	144.090	Keyboard
KB2JOE-4	144.070	Mailbox
KC2UCD (0-7)	144.900	BBS; FlexNet Gateway
KC2UCD-2 *	144.900	Digi and Keybd SMTARES
KC2UCD-9 *	144.900	SMTARES Mailbox
KC2UCD-10*	145.900	Winlink RMS Portal
KC2CD-15*	144.900	Digi; Keybd; Smithwn EOC
* Will QSY to 144.93 in the near future		

General Meetings

January 14, 2010	June 10, 2010
February 11, 2010	September 16, 2010
March 11, 2010	October 14, 2010
April 8, 2010	November 18, 2010
May 13, 2010	December 9, 2010

Board Meeting

January 14, 2010	June 10, 2010
February 11, 2010	September 16, 2010
March 11, 2010	October 14, 2010
April 8, 2010	November 18, 2010
May 13, 2010	December 9, 2010

GOOD AND WELFARE

Attention members: Our Good and Welfare Chairperson is Helene Lazarus (XYL of Arnie N2PLS). Please inform her (499-2837) of news about club members so she may make submissions to this publication.

ARES/RACES NET

Attention to all members: The weekly ARES/RACES net is active, meeting every Monday evening at 2030 on 147.210. Check in with our net control, John Allocca WB2LUA, to learn of any ARES/RACES news and to help maintain your proficiency in emergency communications procedures.

**VE SESSION SATURDAY April 10th
HUNTINGTON TOWN HALL
100 MAIN ST., ROOM 114
WALK-Ins WELCOME**

Team Liaison is Ed KC2E. Contact is Stan N2YKT. Fee is \$15. All elements will be offered and exams start at 9:00AM.

Must have 2 forms of ID, one of which includes a photo. If upgrading, bring an original and a copy of your license and an original of any CSCEs.

**Next General meeting will be on Thursday,
April 8th at 7:30PM**

**Next Executive Board meeting will be on
Thursday April 8th at 7:00 PM**

2010 DUES SCHEDULE

Regular Membership: \$25.00

Extra Family Member - Same Address: \$6.25

Senior Membership, 65+: \$18.75

Student Membership: \$6.25

Living Outside Club's Operating Sphere: \$6.25

PLUS \$5.00 TO GET QSOX VIA U.S. MAIL

**Make your check payable to:
Larkfield Amateur Radio Club Inc.**

**And Mail to:
Larkfield Amateur Radio Club Inc.
PO Box 1450
Huntington, NY 11743**

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Huntington, NY 11743**