



ACORN

December 2009

ANDY Club Officers

President: Bill Woodhead N1KAT
 Vice President: Earle Gilmore N1SVB
 Treasurer: Ivan Lazure N1OXA
 Secretary: Dick Knight N1NYW
 Trustee: Norm L'Heureux W1SCM

Androscoggin Amateur Radio Club (AARC)
 P.O. Box 1, Auburn ME 04212-0001
<http://www.w1npp.org/>
Repeater 146.610MHz - No pl tone
Goff Hill, Auburn Maine

Please submit articles, corrections and suggestions by the 16th of the month to David WE1U we1u.david@gmail.com

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Coming up ...

2009 Andy Christmas Party at Wednesday December 2nd 7:00pm (Andy Club Meeting)

2009 SKYWARN(tm) Recognition Day Saturday 5 December from 0000 to 2400UTC

<http://www.wrh.noaa.gov/mtr/hamradio/index.php>

2009 ARRL 10m Contest December 12-13 (0000UTC Saturday to 2400UTC Sunday)

<http://www.arrl.org/contests/rules/2009/10-meters.html>

2009 RAC Canada Winter Contest December 19th 0000 to 2359UTC:

http://www.rac.ca/en/rac/programmes/contests/files/2009_Canada_Winter_Contest_Rules-FrenchandEnglish.PDF

January 3rd 2010 Kid's Day 1800-2400UTC

<http://www.arrl.org/FandES/ead/kd-rules.html>

January 30 and 31 2010 Winter Field Day

<http://www.spar-hams.org/contests/winterfd/index.php?pg=2>

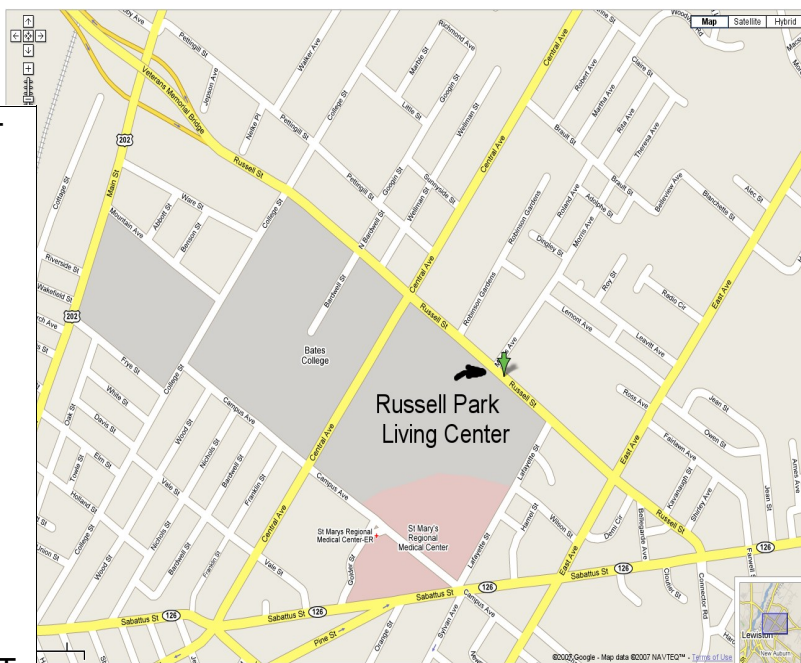
Andy Club Meetings

Wednesday December 2nd 1830EST
 Androscoggin ARES Meeting
 Russel Park Living Center
 158 Russell Street, Lewiston, ME

Wednesday December 2nd 1900EST
 Andy Christmas Party
 Russel Park Living Center
 158 Russell Street, Lewiston, ME

Wednesdays 1900EST
 Androscoggin ARES/RACES Net
 on the Auburn Repeater
 146.610MHz no pl. tone

Wednesday December 30th 0730EST
 Monthly Andy Breakfast
 Ramada Inn, Pleasant Street
 Lewiston, ME



Wednesday December 30th 1900EST
 Andy Club On-air Meeting and Net
 on the Auburn Repeater
 146.610MHz no pl. tone

2010 ARRL Kid's Day Notes by David WE1U

2010 ARRL Kid's Days will be on Sunday 3 January and Saturday 19 June from 1800-2400UTC. The operating event's purpose is to share the fun of amateur radio with kid's (licensed or not) The suggested exchange is: First name, Age, Location and Favorite color.

Suggested frequencies will be 28.350 to 28.400 MHz, 24.960 to 24.980 MHz, 21.360 to 21.400 MHz, 18.140 to 18.145 MHz, 14.270 to 14.300 MHz, 7.270 to 7.290 MHz, 3.740 to 3.940 MHz, as well as your favorite 2-meter repeater (with permission of the repeater's sponsor). Be sure to observe third-party restrictions when making DX QSOs.

ARRL Kid's Day page:

<http://www.arrl.org/FandES/ead/kd-rules.html>

2010 ARRL State Convention and Hamfest Chairman will be Cory N1URA.

Bill N1KAT will coordinate the Convention Forums.

Secretary's Report by Dick N1NYW

The Androscoggin Amateur Radio Club held a meeting Wednesday November 4, 2009 at Russell Park in Lewiston Maine. In attendance: N1LLU, N1OXA, KB1RSD, WE1U, N1NYW, KB1DOI, W1SCM and son Charles, N1WFO, KE6PIJ, WA1EOJ, WB1HFY, N1SVB, KB1OGS, KB1RBN, and N1KTA.

An ARES meeting was held at 6:35 PM by Ivan N1OXA and discussed the SET and the operation of NET control during the Dempsey Challenge last month. Ivan summed it up by saying the operators need to be familiar with the ARRL Radiogram.

In Bills absence, Earle N1SVB called the club meeting to order at 7:05 PM. Rick N1WFO moved to accept the Secretary's report as printed in the ACORN. The motion had several seconds. Vote: approved.

Ivan gave the Treasurers report and David WE1U moved to accept the report that Andy KB1DOI seconded. Vote: approved.

In old business Earle asked about the scholarship fund that the club will transfer to the ARRL next April and wondered about the safety of the investment the ARRL uses.

The lack of food for the volunteers and shirts during the Dempsey Challenge was discussed along with the lack of flagmen.

New business, the December edition of QST magazine lists the Androscoggin Radio Club as number one in its category for field day.

Jim WB1HFY is trying to get an FM two meter simplex net right after the 6 meter net.

David WE1U reports that CERT training starts on November 16 for its nine modules, details on the Andy Club website.

Some time was spent discussing the difference between ARES and RACES.

Harold N1LLU reminded us that the hamfest will be along on March 26 and 27, 2010 and Bill would like us to start thinking about topics for speakers. Ivan would like a volunteer for the job of co-chairman.

David WE1U made a motion to adjourn and W1SCM and KB1DOI seconded the motion. Vote: approved at 7:40 PM.

The SPAR Winter Field Day Notes by David WE1U

Society for the Preservation of Amateur Radio 2010 Winter Field Day, to encourage emergency operating preparedness in the winter, will be held January 30 and 31 (Noon to Noon EST). Station set up may begin no earlier than 1300 UCT (8:00 AM EST) on January 30, 2010. Any mode and band (except 12, 17, 30 and 60 meters) can be used. The categories are: number of operators/site type: 1, 2, M(ulti)/H(ome location), I(ndoors at temp site) or O(utdoor) The exchange is Callsign, True RS/T, Category, local outside temperature (with F or C). The web page for the event is:

<http://www.spar-hams.org/contests/winterfd/index.php?pg=2>

Circuits of the month: XOR-gates and XNOR by David WE1U

The last two basic Logic Gates are the XOR and XNOR-Gates, both have only two inputs. The XOR-Gate output is high when the inputs are unequal and the XNOR-Gate is Hi when inputs are equal, useful to compare inputs like in a ALU (Arithmetic/Logic Unit) of a Microprocessor.



XOR-Gate

Input A	Input B	Output of XOR	Output of XNOR
Lo(0)	Lo(0)	Lo(0)	Hi(1)
Lo(0)	Hi(1)	Hi(1)	Lo(0)
Hi(1)	Lo(0)	Hi(1)	Lo(0)
Hi(1)	Hi(1)	Lo(0)	Hi(1)



XNOR Gate (XOR with active low output)

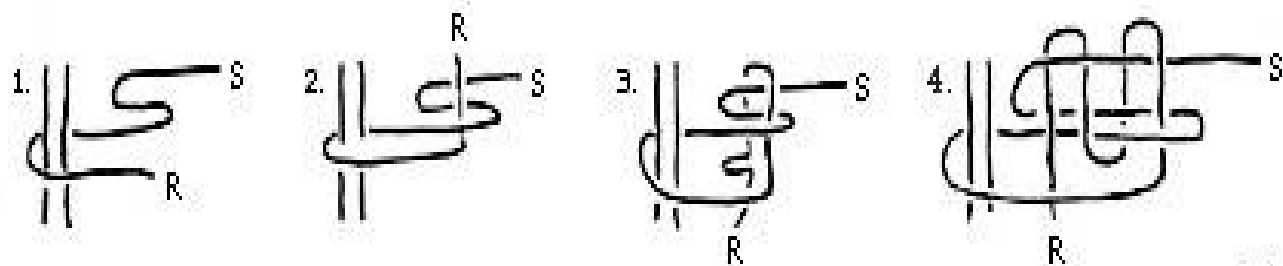
Source URL:

http://www.atariarchives.org/ecp/chapter_10.php

http://en.wikipedia.org/wiki/Arithmetic_logic_unit

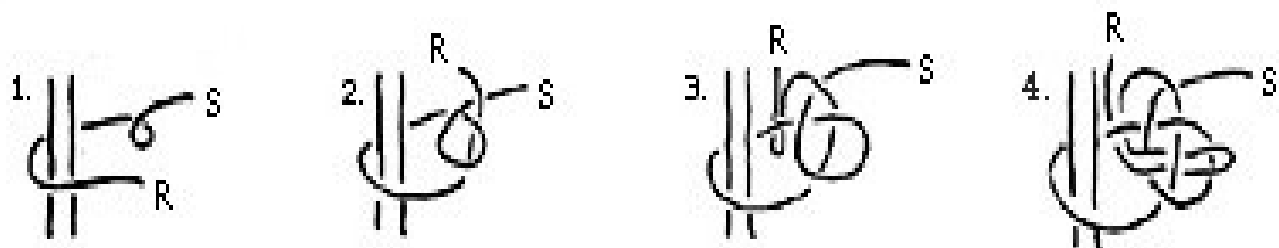
Knotty Thoughts edited by David WE1U

Visit the links in the Source URLs. The pictures and short discussions on the knots do not due them justice. The Animated Knots site has images to step through the process of tying knots to better understand how their work. Peter Suber (the knots in October, November, and this months Knotty Thoughts) has page with the six knots with more details.



Suber

Sliding Chinese crown



Suber

Double Carrick bend

Other Knots on the web:

<http://www.animatedknots.com/>

<http://www.earlham.edu/~peters/knotlink.htm>

<http://en.wikipedia.org/wiki/Knot>

Here are a few link to some old Knots books free online; Thanks **Bill N1VUX**

<http://books.google.com/books?id=mw49AAAAYAAJ>

<http://books.google.com/books?id=ll4BAAAQAAJ>

<http://books.google.com/books?id=9jVEAAAAYAAJ>

<http://books.google.com/books?id=qPU-AAAAYAAJ>

International Guild of Knot Tyers (IGKT) is an association of people with interests in knots and knotting techniques of all kinds.

<http://www.igkt.net/>

Source URL: <http://www.earlham.edu/~peters/writing/explode.htm>

DX News by Earle N1SVB

Another not so great month for DX. The DX was scarce to nonexistent. Perhaps with all of the fall work around the house to get things ready for the white and fluffy stuff, my play radio time was still limited and wasn't when the DX was best. The past month we made 35 DX contacts representing 23 different countries. Countries worked in September were:

RV6, European Russia; 5B4, Cyprus; EA6, Balearic Is.; LX1, Luxembourg; S59, Slovenia; OZ0, Denmark; FY2, French Guyana; E71, Bisnea-Herzovenia; KP2, St. Croix Is.; TL0, Central African Republic; YO4, Romania; ZS3, So. Africa; DQ4, Germany; KL5, Alaska; HI7, Dominican Republic; LU1, Argentina; MW0. Wales; YT9, Serbia-Montenegro; UX2, Ukraine; GA2, England; PT7, Brazil; OP7, Belgium;

We had no real exotic contacts this month and also we also had no Pacific contacts.

There are several DXpeditions to various parts of the world coming up in December. Some haven't been assigned a call as yet or the operators will use the country prefix and their home call.

Dec. 02 to Dec.14	K2V	Virgin Is.
Dec. 03 to Dec. 08	XU7UFT	Cambodia
Dec. 04 to Dec.16	VP2V Br.	Virgin Is.
Dec. 06 to Dec.12	VP9/	Bermuda
Dec. 06 to Dec.13	E51PMR	So. Cook Is.

Dec. 10 to Dec. 31	C5/	Gambia
Dec. 12 to Dec.14	T70A	San Marino
Dec.14 to Dec. 17	9V/	Singapore
Dec.17 to Jan. 06	KH6/	Hawaii
Dec.28 to Jan. 03	5R8HX	Madagascar

Dec.30 to Jan. 04	VY1/	Canada
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The above DXpeditions are correct to the 10th of the month prior to printing The A.C.O.R.N. For additions after that date, go to my web page and click On the link "Reported DXpeditions by NG3K".

I invite any club members that have a computer to visit my web page. The address is:
<http://www.qsl.net/n1svb/>