



ACORN

July 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 and suggestions, in **text (not formatted)**, by the 16th of the month to David WE1U

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Coming up ...

The AT Golden Packet Annual Event 26 July 2009

End to End(1200 miles) Appalachian Trail mountain peak packet/APRS operating event
<http://www.aprs.org/at-golden-packet.html>

Piscataquis Amateur Radio Club Hamfest 8 August 2009

Snow-Devils Snowmobile Club St. Albans ME <http://www.qsl.net/parc/>

Beach to Beacon 1 August 2009 in Cape Elizabeth

<http://www.beach2beacon.org/>

Great Falls Balloon Festival Lewiston Maine 2009 August 21(Friday) to 23(Sunday)

<http://www.greatfallsballoonfestival.org/>

Maine Hospice Event August 29,2009 Brunswick

<http://www.maineospicecouncil.org/dmmr/>



Andy Club Meetings

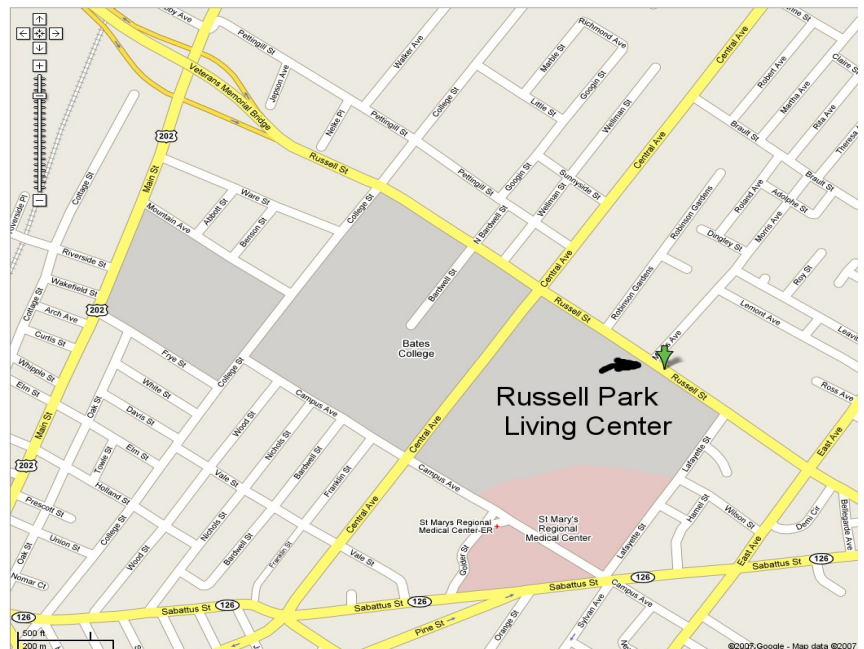
ARES/AARC Eyeball

Wednesday July 1st 2009 1830L
Russell Park Living Center
158 Russell Street, Lewiston, ME

Androscoggin ARES Net

Every Wednesday 1900L
except the first of the month
on the Auburn Repeater
146.610MHz no pl. tone

Monthly Andy Club Breakfast
Wednesday July 29th 2009 7:30am
Ramada Inn, Pleasant Street
Lewiston, ME



Amateur Radio Related Equipment For Sale

If any club members have Amateur Radio related equipment they want to sell
Contact David WE1U we1u.david@gmail.com or at 783-1759 with description and contact
information and it can be posted in the Newsletter once.



Unannounced Drill in July

To all present ARES members, there will be a “unannounced” drill sometime in July.

Androscoggin ARES needs a Emergency Coordinator

Contact Bill NIKAT if you are interested in being the Androscoggin County ARES Emergency
Coordinator.

2005 ARES Resource Manual

<http://www.arrl.org/FandES/field/aresman.pdf>

2005 Public Service Communications Manual

<http://www.arrl.org/files/field/pscm.pdf>

<http://www.arrl.org/FandES/field/nts-mpg/>

1997 THE EMERGENCY COORDINATOR'S MANUAL Edited by Steven Ewald, WV1X

<http://www.arrl.org/files/bbs/ecom/ecman97.txt>



Secretary's Report - Dick N1NYW

The Androscoggin Amateur Radio Club held its monthly meeting Wednesday June 3, 2009 at Russell Park in Lewiston. In attendance: n1llu, kb1rsd, n1dot, n1oxa, n1kat, waleoj, w1scm and son Charles, kb1doi, n1nyw, n1wfo, n1jd, k1wtx, kb1qhr, and kb1ogs.

There was no ARES meeting so the regular club meeting was called to order at 6:57 PM by President Bill Woodhead. Harold n1llu moved to accept the Secretarys report as printed in the ACORN. Andy kb1doi seconded the motion. Vote: approved.

Ivan n1oxa read the Treasurers report. Andy kb1doi moved to accept the report and the motion was seconded by Harold n1llu. Vote: approved.

In old business Bill mentioned that no schools had requested new books.

New business: There was discussion about the scholarship fund, Bill noted that it has been several years and no one has applied for a scholarship and thought we may want to start a discussion about possibly sending some of the money to the ARRL and have them administer a scholarship for us. Ken n1dot made a motion to have discussions about the scholarship fund at future meetings to get more input on the subject and have a final vote on the subject at the October 2009 meeting. Motion seconded by Andy kb1doi. Vote: more discussion and final vote in October.

Ivan talked about the Pottle Hill event on June 20 and took names of volunteers to work the event.

A map was passed around of the route for the Dempsy Challenge and Ivan told about a meeting he attended to plan the event. He reports that 500 persons have already signed up and they expect about 3000 bikers in all.

Bill kb1ogs apologized for not being on the 10 meter net more often.

There was discussion about field day this year at Park Avenue School, set up starts at 9 AM June 27.

Andy kb1doi motioned to adjourn and n1jd seconded. Vote: adjourned at 7:26 PM



Knotty Thoughts David WE1U

The **Klemheist Knot**, like the **Prusik Knot** discussed in the January 2009 ACORN, is sliding hitch or friction hitch, that can be used in pairs to ascend rope, or pole.

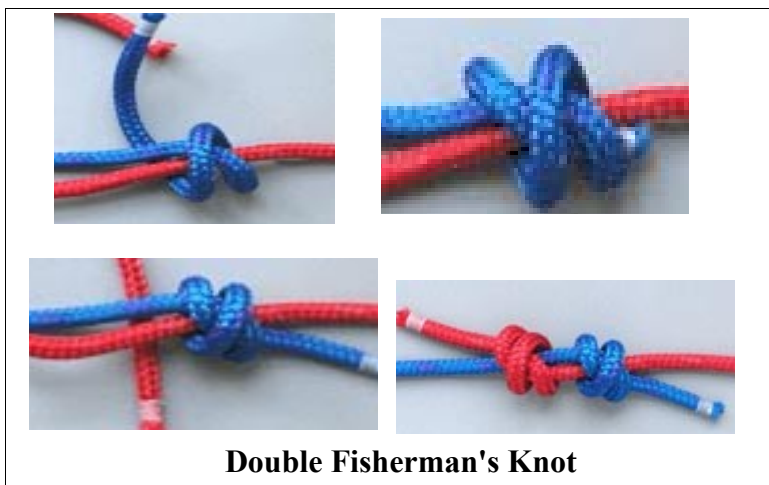
The Klemheist Knot grips under load and can be adjust along the rope or pole when the load remove, by lifting free end of the knot up. The Prusik Knot's free end must be held where it emerges from the knot to adjust it. Thus the Prusik Knot can grip the load in either direction, but the Klemheist is easier to adjust.

The Klemheist and Prusik Knots both start with a section of cord or rope with the end tied together with a Double Fisherman's or similar knot to form a **Prusik Loop**.

The Klemheist Knot is made by wrapping the loop around the rope or pole two or three times. More loops can be used to increase the friction for heavy loads. **DO NOT Grip the KNOT – A RAPID Descent will occur.**



Klemheist Knot



Double Fisherman's Knot



Prusik Knot

Source URLs

<http://animatedknots.com/doublefishermans/index.php>

<http://animatedknots.com/prusik/index.php>

<http://animatedknots.com/klemheist/index.php>

<http://climbing.about.com/od/climbingknots/ss/KlemheistHowTie.htm>

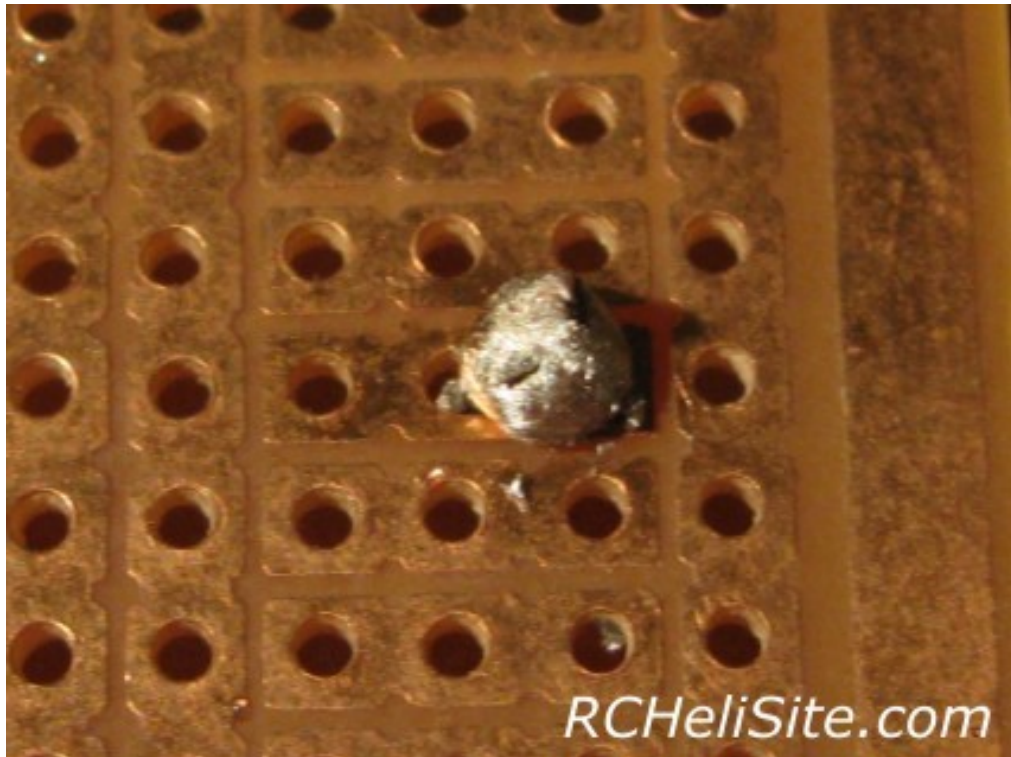
Solder for Electronics David WE1U

Solder wire is made of metal alloys with melting points below 800°F. Brazing uses alloys above 800°F. The solder wire also has a core or cores with flux. The flux improves wetting, the flow of the molten alloy and reduces the formation of oxides.

Flux for electronic work usually is non-activated, "R." Mildly activated (RMA) is best cleaned off due to the corrosive mix and activated (RA) formulations corrode so it must be clean off. Plumber's solder is acid core and should not be used on circuits.

Various solders are available to assemble electronic projects. 60%Tin/40% Lead has been the most common solder. 63%Tin/37%Lead alloy melts and freezes at the same temperature unlike the 60/40 mix that passes through a "plastic state" after melting before freezing again. Moving a connection during the plastic stage forms a dull brittle joint. A good joint is smooth, shiny and adheres strongly.

Lead free alloys, using copper, silver, bismuth, indium, zinc and other less common other metal are being used due to d Restriction of Hazardous Substances Directive (RoHS)



Cold Solder Joint <http://www.rchelisite.com/images/soldering/soldering8.jpg>

Source URLs:

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

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

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

<http://www.kester.com/en-us/leadfree/alloys.aspx>

DX News - Earle N1SVB

The past month we made 34 DX contacts representing 24 different countries. The antenna is still pointed south and will most likely stay that way until we can investigate the rotor and cable further to determine what the problem is. Countries worked in May were:

ZW8, Brazil; CE1, Chile; CO7, Cuba; LA8, Norway; LY5, Lithuania; LU3, Argentina; HP1, Panama; ZF2, Grand Cayman I.; OR0, Belgium; 6Y5, Jamaica; 9Z4, Trinidad; SP9, Poland; VE3, Canada; CT1, Portugal; NI0, No. Ireland; US6, Ukraine; V21, Antigua & Barbuda; H6, Nicaragua; 9A5, Croatia; DR775, Germany; C4, Cyprus; F8, France; HA8, Hungary; M1, England

There were no exotic contacts this month

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

Jul. 01 to Jul. 17	5R8KD	Madagascar
Jul. 09 to Jul.28	FT5GA	Glorioso I
Jul. 10 to Jul.18	FP/	St. Pierre & Miquelon
Jul. 14 to Jul. 21	VP2MSJ	Montserrat
Jul. 22 to Jul. 29	VK9AAA	Norfolk I
Jul. 23 to Jul. 27	C6APR	Bahamas
Jul. 25 to Aug .01	TK9X	Corsica
Jul. 26 to Aug. 07	OH0/	Aland I
Jul. 26 to Aug. 12	V31NP	Belize
Jul. 27 to Jul. 29	OY/	Faroe I
Jul. 29 to Aug. 10	ZF/	Cayman I
Jul. 31 to Aug. 03	SV5/	Dodecanese
Jul. 31 to Aug. 11	FT/	Iceland

RSGB IOTA Contest July 25 – 26, 2009

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”.

