**A Summer Research Experience at Hubbard Brook Experimental Forest: Investigating and Communicating Change in Ecosystems**

**Research Experience for Undergraduates Conference**

Tuesday, August 4, 2015 at the Pierce Lab, Hubbard Brook Experimental Forest.

9:15 am: Opening remarks and introductions

9:30 Research Presentations

**Presenter** **Affiliation** **Mentor/mentor team**

Angela Coco King’s College Kerry Yurewicz

*Influences of canopy cover and the presence of Brook Trout on macroinvertebrate communities in Kineo Brook at Hubbard Brook Experimental Forest*

Ashley MacMillan Plymouth State U. Shannon Rogers

Amy Villamagna

*An Evaluation of the Correspondence Among Outdoor Recreation, Environmental Values, and Ecosystem Services*

Lauren Wiggins Tennessee State U. Shannon Rogers

Amy Villamagna

*Environmental Attitude & Sustainable Behavior: An Evaluation of Perceived Ecological Literacy and Value in the Pemigewasset Watershed Basin of New Hampshire*

Kate Poirier Plymouth State U. Natalie Cleavitt,

John Battles

*Growing the Way the Wind Blows: Refining Allometric Equations for Trees at Hubbard Brook in a Changing Forest*

Brendan Leonardi Plymouth State U. Michele Pruyn

Mark Green

*Comparison of sap flow rates among three northern hardwood tree species*

Break (11:10-11:20)

**Hydropedology and Stream Chemistry section**

Section introduction:

*Uncharted Territories: mapping and sampling watersheds in the HBEF stream network*

Tyler Hampton U. of New Hampshire Scott Bailey, Mark Green, Kevin McGuire,

Denise Burchsted

*Near stream groundwater table dynamics in two distinct hydropedalogic units*

Ben Geyman Bowdoin College Scott Bailey, Mark Green, Kevin McGuire,

Denise Burchsted

*Searching for a Signature: relationships between surface roughness and soil depth in the shallow-to-bedrock zone*

Kyle Corcoran Western Carolina U. Scott Bailey, Mark Green, Kevin McGuire,

Denise Burchsted

*Biogeochemical hotspots in shallow bedrock zones*

Christen Sapnas Boise State U. Scott Bailey, Mark Green, Kevin McGuire,

Denise Burchsted

*Wetland contributions to streamwater chemistry*

End 1 pm