

2010 Lyceum Field Programs
Please join us - all KLT Lyceum events are free and are open to the public.

April 22 Earth Day, 4:30-7:30 pm Soil Is Not Dirt.
David Rocque, Maine State Soil Scientist, ME Department of Agriculture; Certified Soil Scientist, Licensed Site Evaluator, Licensed Professional Wetland Scientist.
Location: Hallowell City Auditorium & Jamies Pond WMA. Co-sponsored by Hallowell Conservation Commission.

What is the difference between a pile of dirt and a soil? How do soils form? How many different kinds of soil are there in Maine? Why do some soils have rocks in them while other soils don't? How do the various soil layers form? What is a hydric (wetland soil) and how can you tell one from other soils? Join us for the answers to these and everything you wanted to know about soil but were afraid to ask.

Sept: 18 9-11:30 am What can we learn from the mud? *Andrea Nurse* Paleocology Research Associate, Climate Change Institute, University of Maine; Adjunct Science Instructor, University of Maine, Farmington.
Location TBA.

The sediments of wetlands and small ponds preserve a record of past changes in Maine's environment. Leaves, charcoal, seeds, pollen, and insects archived in successive layers of sediment show how the landscape changed since the last ice sheet retreated 14,000 years ago. We will explore the impact of changing climate on the landscape by examining wetland sediment cores.

Brown Ash Basket Demonstration and Presentation on Emerald Ash Borer Date and location TBA.

For more information contact:

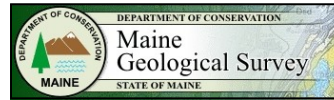
The Kennebec Land Trust
134B Main St., PO Box 261
Winthrop, ME 04364
207-377-2848 www.tkltr.org

Directions to the Ladd Center: Take Rt. 133 to Wayne Village. Turn south on the Old Winthrop Road; after 0.25 miles turn right on Gott Rd. The Ladd Center is on the left.
The Ladd Center phone number: 685-4616

About the Lyceum and KLT

The KLT winter lectures are modeled after the early New England lyceums that began in 1826 in Massachusetts. For many years New England lyceums hosted lectures, debates, and concerts for public audiences. KLT's March Lyceum and the associated field programs, are supported by Gloria, Lincoln, and Robert Ladd.

The 2010 Lyceum is sponsored by:



The **Maine Geological Survey** provides the people of Maine with quality information to facilitate informed decision-making for natural resource management, economic development, conservation planning, and regulation; provides public assistance; and promotes education. www.maine.gov/doc/nrimc/mgs/mgs.htm

and the

The **Geological Society of Maine**, established in 1974, is a non-profit organization dedicated to geological issues and education in Maine.
www.gsmmaine.org/



The **Ladd Recreation Center** is located in the beautiful village of Wayne, Maine. It is open year-round and offers programs for children and adults, including piano and dance lessons, a quilting group, knitting classes, a bridge club, yoga, and more. The Center also offers free after-school programs for Wayne children and a full summer recreation program. The facilities are available for rent and include a full kitchen, a playground, tennis courts, a basketball court, and a baseball field. **For information, 685-4612 or laddrec@mainester.net.**

The **Kennebec Land Trust** is dedicated to protecting the landscape of the Kennebec River and Lakes region. Working with conservation-minded landowners since 1988, the Trust has protected over 3,300 acres of land through donations, purchases, and conservation easements. Most properties are open to the public for walking, hiking, hunting, fishing, and enjoying nature.



Kennebec Land Trust 2010 Lyceum

PEOPLE AND THE LAND: NATURAL RESOURCES, NATURAL FEATURES AND CULTURE



KLT's Norris Island (R) & Brackett-Longley Rare Plant Habitat (lower R); Androskoggin Lake and Dead River Delta Wayne and Leeds, ME; Photograph: Walter Anderson, August, 1976
Town of Wayne Historical Collection

Thursdays, March 18, 25
7:00 - 8:30 pm

Ladd Recreation Center ~ Gott Road, Wayne
Snow date April 1

October 23rd; 9-10:30 am
Winthrop Town Office, Highland Avenue

2010 Lyceum sponsored by:
MAINE GEOLOGICAL SURVEY
AND
GEOLOGICAL SOCIETY OF MAINE

Linking People and Ancient Landscapes

Dr. Alice Kelley

Instructor, Department of Earth Sciences;
Assistant Research Professor, Climate Change Institute
University of Maine



The abandoned, north-draining channel of Moosehead Lake
Joseph Kelley

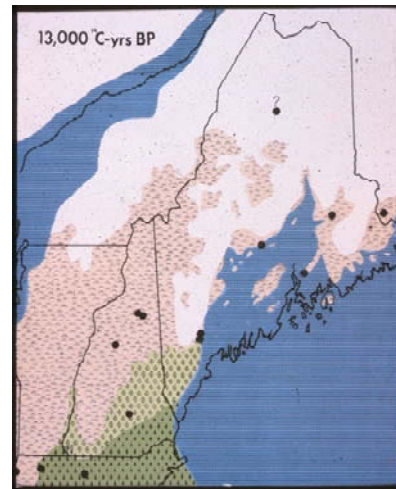
- Have Maine rivers been constant through time?
- How did changing landscapes in the Penobscot Valley influence Native occupation and use of the region?
- How can archaeology and geology be combined to better understand the geologic history and culture of our region?

Thursday, March 18, 7-8:30 pm
Ladd Recreation Center, Wayne

Maine's Dynamic Landscapes: from Deglaciation to the Future

Dr. George L. Jacobson

Maine State Climatologist
Professor Emeritus of Biology, Ecology, and Climate Change
University of Maine



Maine and surrounding regions during deglaciation
from Davis and Jacobson 1985

- How did the landscapes of Maine change during and after deglaciation?
- How has Maine's constantly changing climate influenced flora, fauna, and people?
- How will future changes in climate affect Maine's environment?

Thursday, March 25, 7-8:30 pm
Ladd Recreation Center, Wayne

New England's Forested Landscape: History and Ecology

Tom Wessels

Ecologist; Founding Director: Master's Degree program in Conservation Biology,
Antioch University, New England



Stone dump, *Tom Wessels*

- How have natural and human forces shaped New England's forested landscapes?
- How can we discern if a now forested area was once agricultural land or if it has always been forested?
- How can we use forest stand types, shapes of trees, the pattern of decay in stumps, the construction of stone walls, and the lay of the land to interpret a forest's history?

Saturday October 23, 9-10:30 am
Winthrop Town Office All Purpose Room
17 Highland Avenue, Winthrop