

Two-day Conference

# FOLLOWING THE FOOTSTEPS OF THE ORIGINAL SURVEYOR

Important Information for Today's Retracement Surveyor

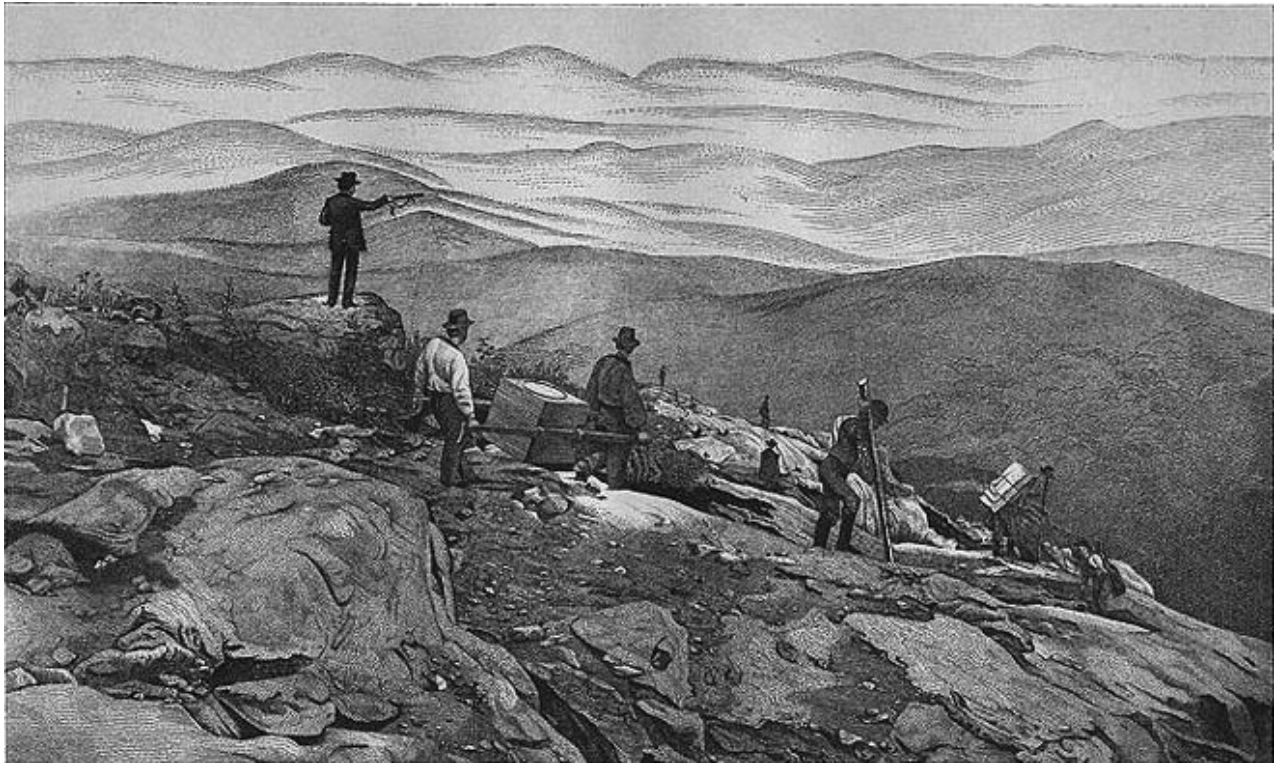


Image of Verplank Colvin's Adirondack Survey

April 12-13, 2007  
Wayfarer Inn, Bedford, New Hampshire



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UNIVERSITY of NEW HAMPSHIRE  
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and the



NH LAND SURVEYORS ASSOCIATION

Approved for CEUs

For Surveyors, Foresters, Civil Engineers, Attorneys, Selectmen,  
Town Planners, and related professionals

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# FOLLOWING THE FOOTSTEPS OF THE ORIGINAL SURVEYOR

## Important Information for Today's Retracement Surveyor

Thursday-Friday, April 12-13, 2007, Wayfarer Inn, Bedford, NH

\$330 (\$360 if registered after March 26), lunch included, CRN 25328

Approved by NH Joint Board of Licensure for 4 CEUs for Surveyors and 9 CEUs for Foresters

Cosponsored by

UNH Professional Development & Training and the NH Land Surveyors Association

Courts have consistently stated that the retracement surveyor's duty is to follow the footsteps of the original surveyor. Sometimes that's easier said than done, but knowing who went before and how they did their work are keys to the discovery of where they went and what evidence they left behind.

This conference brings together some of the foremost experts in the country who have retraced early surveyors and followed footsteps of extensive original surveys. You'll focus on early surveyors, their techniques, procedures, and methods of determining what they did and how they did it. Speakers will address the procedures they used, their frustrations, successes, and failures in attempting to find and locate original lines and corners. You will get a rare historical perspective that will assist you in your surveying today.

### CONFERENCE COORDINATOR & PRESENTER

**Don Wilson** is a licensed land surveyor, professional forester, and nationally known expert, with a consulting business spanning over 40 years, Land and Boundary Consultants, Inc., in Newfields, NH.

### ADDITIONAL PRESENTERS

- Henry C. Lee, Ph.D., internationally prominent forensic scientist and legal investigator;
- Norman Brown, consultant and land surveyor for over 30 years, including county surveyor of Texas County, Missouri;
- Earl Raymond, land surveyor, researcher, forester, mapper, and photogrammetrist, and former Executive VP and COO of Sewall Company in Old Town, Maine;
- Roger Woodfill, land surveyor, historian, and administrator of the Surveyors Historical Society

## CONFERENCE AGENDA

### THURSDAY, APRIL 12

7:30-8 A.M. REGISTRATION AND BOOKSTORE OPEN

8-8:30 WELCOME AND OPENING REMARKS

8:30-10:15 A.M. EVIDENCE AND THE LEGAL STANDARD OF FOLLOWING THE ORIGINAL SURVEYOR'S FOOTSTEPS

Surveyors are subject to a number of legal requirements or standards, one of the most important being that courts have consistently stated, and emphasized, that actual identification of the survey, the footsteps of the surveyor upon the ground, should always be followed, by whatever rule they may be traced. Plats are derivative and secondary to original surveys and monuments; subsequent surveys are binding on no one unless they precisely honor the original location. The original lines under which the properties are held control, notwithstanding inaccuracies or mistakes in the original survey, the purpose being that stability of boundary lines is more important than minor inaccuracies or mistakes. In the 1989 Florida decision of *Rivers v. Lozeau*, the court stated, "the following surveyor's sole duty, func-

tion and power is to locate the boundary corners and boundary lines established by the original survey. The following surveyor, rather than being the creator of the boundary line, is only its discoverer and only that when he correctly locates it." In this session, you will discuss evidence and the legal standards of following the original surveyor's footsteps.

*Speaker: Donald A. Wilson* is the coordinator of this conference and has been a continuing education instructor at the University of New Hampshire for nearly 30 years. He is also a seminar provider for the Red Vector on-line education program and part owner and lead instructor for Surveyors Educational Seminars. Don has delivered in excess of 300 seminars nationally, spoken internationally, and has published numerous technical articles as well as being involved with over 40 books. Relevant titles include *Boundary Control and Legal Principles, Evidence and Procedures for Boundary Location, Easements and Reversions, and Interpreting Land Records*. He is currently writing *Forensic Techniques for Boundary and Title Investigation* scheduled to be published later this year.

10:15-10:30 A.M. BREAK

10:30 A.M.-NOON THE SIGNIFICANCE OF SURVEYING HISTORY AND THE ROLE OF THE SURVEYORS HISTORICAL SOCIETY

Although land surveying certainly has a basic scholarly "body of technical knowledge" required to define it as a profession; the history of measuring and mapping, legal decisions, equipment, and political decision are also major parts of the surveying profession. The Surveyors Historical Society (SHS) preserves the history and equipment of the profession and makes the public aware of the profession's rich history. Local history of the profession varies widely depending on the geography, social standing, education, and equipment available to the surveyor. All these factors, and SHS's specific goals will be discussed. A process will be suggested to form a local affiliate of SHS, and the operations and the activities of the national society will be described.

*Speaker: Roger Woodfill* is a professional land surveyor licensed in Indiana, Ohio, and Kentucky. He is also a noted historian and has been the administrator of the Surveyors Historical Society since 1992. In the past he was president and board member for the Indiana Society of Professional Land Surveyors. On the national level, he has represented Indiana in the old "Land Surveys Division" of American Congress on Surveying and Mapping (ACSM), helped create the National Society of Professional Surveyors (NSPS) and held several positions in the Society.

NOON-1:30 P.M. LUNCH, VISIT BOOKSTORE & EXHIBITS

The Surveyors Historical Society exhibit will include instruments, maps, posters, and more. There will also be an exhibit called "The Art of Surveying," which is a collection of paintings, postcards, prints, etc., that depict historical surveyors.

1:30-3 P.M. INVESTIGATIVE TECHNIQUES AND  
CONSIDERATIONS FOR THE DISCOVERY, ANALYSIS, AND  
PERPETUATION OF EVIDENCE

Searching for boundary evidence is an investigation into one or more scenes. Every investigator must be knowledgeable about dealing with evidence and protocols for the protection and perpetuation of the evidence found. Dr. Henry Lee will share his expertise concerning evidence gained from years of investigation of over 7000 major cases around the world.

SPECIAL SESSION WITH  
**DR. HENRY LEE,**  
FOREMOST EXPERT ON  
LEGAL INVESTIGATION  
& FORENSIC SCIENCE.

*Speaker:* **Henry C. Lee, Ph.D.**, is an internationally prominent forensic scientist and legal investigator. He was born in China, and graduated from the Central Police College in Taiwan, with a major in police science. He came to the U.S. to further his studies, earning a B.S. in Criminal Justice and M.S. and Ph.D. in biochemistry. He also holds several honorary doctoral degrees. He has been Commissioner, Chief Criminologist and Director of the Connecticut State Police Forensic Science Laboratory in Meriden, Connecticut. He is a professor and founder of the forensic science department at the University of New Haven, and he is a distinguished adjunct professor at eight other universities. His awards and credentials are lengthy. In addition having an involvement in 30 books, approximately 400 professional articles, and over 800 workshops and seminars, he has testified over one thousand times and serves as a consultant for over 900 agencies.

3-3:15 P.M. BREAK

3:15-5 P.M. INVESTIGATIVE TECHNIQUES (CONT.)

*Speaker:* **Henry C. Lee, Ph.D.**

5:30-6:30 P.M. NHLSA QUARTERLY MEETING

6:30-7 P.M. SOCIAL TIME

7 P.M. DINNER AND PRESENTATION

WHERE IN THE WORLD IS MISSOURI BY "THE OLE SURVEYOR"

After dinner enjoy a humorous and historical portrayal of the old surveyors and what surveying was really like.

FRIDAY, APRIL 13, 2007

7:30-8 A.M. VISIT THE BOOKSTORE

8-10 A.M. EARLY SURVEYING IN MAINE

The Northeastern part of what was then the District of Maine (Massachusetts) was one of the last areas to be explored and surveyed in New England. These surveyors/explorers worked under very difficult conditions and, as a result, their work was sometimes erratic. In this session you will look at copies from some of the original notebooks, maps, and instructions to surveyors and see these notes plotted on the present day digital topographic maps. Finding evidence on the ground after 200-plus years has primarily amounted to stream and lake crossings. Park Holland's survey of 1794 is a classic story and the first subdivisions in this area into Township and Range 30 years later; in the 1820s, did not show much improvement in conditions or results.

*Speaker:* **Earl W. Raymond** has had a long career in surveying, mapping and forestry. Formerly he was executive vice-president and chief operations officer of the James W. Sewall Company of Old Town, Maine and still remains active as a consultant and advisor. He was a registered land surveyor in all of the New England states, a certified photogrammetrist, and a registered professional forester. As an innovator, he led Sewall into the development of a GIS in the late 1970s and early 1980s, the integration of the aerial camera with GPS, and early breakthroughs in the commercial use of the Model 4, Model 6 and Model 8 Laser Geodimeter. He is one of the founders of, and continues to be active in, the Maine Society of Land Surveyors. Today he is doing research of early surveys in the district of Maine. This was the last unsurveyed area in Maine and is east of Katahdin.

10-10:15 A.M. BREAK

10:15 A.M.-NOON EARLY SURVEYING IN MAINE (CONT.)

*Speaker:* **Earl W. Raymond**

NOON-1 P.M. LUNCH

1-3 P.M. ORIGINAL SURVEYS—HOW THEY CAME ABOUT AND WHAT THEIR ULTIMATE EFFECT CAME TO BE

Examine the original division lines and surveys from the Atlantic Ocean to the Missouri Territory and beyond. Take a look at the influence of a growing country on the establishment of political boundar-

## CONFERENCE AT-A-GLANCE

### THURSDAY, APRIL 12

7:30-8 a.m.	Registration and Bookstore Open
8-8:30 a.m.	Welcome and Opening Remarks
8:30-10:15 a.m.	<b>Evidence and the Legal Standard of Following the Original Surveyor's Footsteps</b> <i>Speaker:</i> Don Wilson
10:15-10:30 a.m.	Break
10:30 a.m.-Noon	<b>Significance of Surveying History and Role of the Surveyors Historical Society</b> <i>Speaker:</i> Roger Woodfill
Noon-1:30 p.m.	Lunch, Visit the Bookstore and Exhibits
1:30-3 p.m.	<b>Investigative Techniques and Considerations for the Discovery, Analysis and Perpetuation of Evidence</b> <i>Speaker:</i> Dr. Henry C. Lee
3-3:15 p.m.	Break
3:15-5 p.m.	<b>Investigative Techniques (cont.)</b> <i>Speaker:</i> Dr. Henry C. Lee
5:30-6:30 p.m.	NHLSA Quarterly Meeting

6:30-7 p.m.  
7 p.m.

Social Hour  
Dinner and Presentation  
**A Humorous and Historical Perspective of "The Ole Surveyor"**

### FRIDAY, APRIL 13

7:30-8 a.m.	Registration and Continental Breakfast Bookstore Open
8-10 a.m.	<b>Early Surveying in Maine</b> <i>Speaker:</i> Earl Raymond
10-10:15 a.m.	Break
10:15 a.m.-12:15 p.m.	<b>Early Surveying in Maine (continued)</b> <i>Speaker:</i> Earl Raymond
12:15-1:15 p.m.	Lunch
1:15-2:45 p.m.	<b>Where in the World is Missouri?</b> <i>Speaker:</i> Norman Brown
2:45-3 p.m.	Break
3-5:15 p.m.	<b>Verplanck Colvin and the Survey of the Adirondacks</b>
5:15-5:30 p.m.	Wrap-Up and Closing

Register on the web!

[www.learn.unh.edu/surveys](http://www.learn.unh.edu/surveys)

ies and the settlement of a new nation.

*Speaker:* **Norman L. Brown** was born and raised in the piney woods of Texas County, Missouri. He received a bachelor's and master's degree in civil engineering and was appointed county surveyor in Texas County in 1970. He began work with the Missouri Land Survey Authority in 1972. When state government was reorganized in 1974, this became part of the Department of Natural Resources. He retired from the Department in 2001 and since that time has traveled extensively in Europe, Texas, and the eastern U.S. while working part-time as an educational consultant.

### 3-5:15 P.M. VERPLANCK COLVIN & THE SURVEY OF THE ADIRONDACKS

Hear about Verplanck Colvin's original work, his retracement work, and today's retracement efforts. Colvin, in the latter part of the 1800s, surveyed 3,000,000 acres in the Adirondack Wilderness of New York, sometimes overseeing a crew of 90 men. In a period of about 20 years, they determined elevations of all the high peaks, located and mapped all the waterways including the source of the Hudson River, and retraced all the original grant boundaries. This was the beginning of what is today known as the Adirondack Wilderness Park, America's first, consisting of 6,000,000 acres. Colvin's work is continually being retraced and perpetuated by the Colvin Crew, a group of more than 100 dedicated individuals who meet a couple of times a year and recover century-old survey marks.

### 5:15-5:30 P.M. WRAP-UP



UNIVERSITY of NEW HAMPSHIRE  
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6 Garrison Avenue, Durham, NH 03824

802970

### 4 WAYS TO REGISTER!

**By Phone:** Call (603) 862-2015 or 1 (800) 313-5327

**On the Web:** [www.learn.unh.edu/surveys](http://www.learn.unh.edu/surveys)

**By Mail:** Return the form with payment to UNH Registration, 11 Garrison Ave., Durham, NH 03824

**By Fax:** Fax the form to (603) 862-0655

### COST AND WHAT'S INCLUDED

\$330 if registered by March 26 (\$360 after March 26), includes conference materials, continental breakfasts, lunches, Thursday dinner, coffee breaks, and parking. Cost does not include overnight accommodations.

### CEUs

Participants of the two-day conference will be awarded 4 Surveyor CEUs (continuing education units) and 9 Forester CEUs issued by the NH Joint Board of Licensure and 1.6 CEUs by the University of New Hampshire. These CEUs may also apply to other states. Check with the licensing board in your state.

### REFUND POLICY

Refunds, less a \$25 administrative fee, will be given if written cancellation is received at least 10 business days prior to the conference. No refunds after that date.

### LOCATION

The conference will be held at the Wayfarer Inn in Bedford, NH. A map and directions will be mailed with your registration confirmation.

### OVERNIGHT ACCOMMODATIONS

Accommodations are available at a reduced rate of \$82 plus tax (per night) at the Wayfarer Inn. To reserve a room, call (603) 622-3766. To receive the reduced rate you must make your reservation by March 30 and identify yourself at that time as attending this UNH conference. Lodging is also available at several other inns, hotels, and motels in the Manchester/Bedford area. For suggestions, call Kay MacMillan (603/862-1739).

### FOR MORE INFORMATION

*About the Conference:* Call (603) 862-1739 or send an email to [Kay.MacMillan@unh.edu](mailto:Kay.MacMillan@unh.edu)

*About Registration:* Call (603) 862-2015 or 1 (800) 313-5327

### MORE SEMINARS & CONFERENCES

In addition to this conference, UNH Professional Development & Training offers over 200 one-day seminars, short-term Certificate Programs, and special conferences each semester in a wide variety of fields, including management & supervision, engineering, HR, teaching, and many more. For complete info go to [www.learn.unh.edu](http://www.learn.unh.edu) (click Professional Development).

Mail to: UNH Registration, 11 Garrison Avenue, Durham, NH 03824;

Or call (603) 862-2015 or 1 (800) 313-5327;

Or register on the web at: [www.learn.unh.edu/surveys](http://www.learn.unh.edu/surveys)

### REGISTRATION FORM—FOLLOWING THE FOOTSTEPS OF THE ORIGINAL SURVEYOR April 12-13, 2007, \$330 (\$360 after March 26), CRN 25328

Social Security # \_\_\_\_\_ Date of Birth \_\_\_\_\_

*SS # is used for ID purposes only and may be required for education tax credits and CEU tracking.*

First Name \_\_\_\_\_ M.I. \_\_\_\_\_ Last Name \_\_\_\_\_

Home Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Day Phone (\_\_\_\_\_) \_\_\_\_\_ Eve Phone (\_\_\_\_\_) \_\_\_\_\_

Email Address \_\_\_\_\_

Title \_\_\_\_\_ Employer \_\_\_\_\_

Work Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Enclosed is payment of \$ \_\_\_\_\_ by:

Check (payable to UNH)

VISA  MasterCard  Discover

Card Number \_\_\_\_\_ Exp Date \_\_\_\_\_

Name on Card \_\_\_\_\_ Signature \_\_\_\_\_

**I will attend the dinner  
on Thursday evening.  
Yes \_\_\_\_\_ No \_\_\_\_\_**