Science Education: Thinking Outside the Box

Inside the Museum’s walls and outside in the community, we’re creating opportunities to engage different audiences in science. Here are a few examples of our latest “out of the box” thinking:

Pop-Up Science Program
The Montshire has a long history of bringing innovative science experiences to the greater community through its outreach programs. Pop-Up Science offers a new twist. We are extending our ability to reach new audiences—providing exciting hands-on science to people of all ages well beyond our Norwich location. The pop-up tent creates a fun, informal hands-on science experience that goes on the road throughout Vermont and New Hampshire. We’re popping up at summer festivals including Derby Line on the Canadian border, the Champlain Mini Maker’s Faire, and school open-house events. Programming offered under the tent leverages what we have learned in recent years through our Teen Tinkering Program and our NIH-funded health science education initiative.

Montshire Unleashed
An adult-only program, Montshire Unleashed provides grownup visitors the opportunity to unleash their inner child and celebrate those “a-ha” moments in the Museum. The Friday night events allow adults from the Upper Valley to engage with science and participate in fun, hands-on activities with other members of the community. Offered select Friday nights.

Climate Comics
Produced in collaboration with cartoonist Sam Carbaugh and scientists and engineers at the U.S. Army Corp of Engineers Cold Regions Research and Engineering Laboratory, Climate Comics is a five-part comic series introducing readers to climate researchers and climate science in a fun and artistic way. Conceived as a way to present a complex topic in a new and easily approachable manner, Climate Comics engages readers of all ages. Climate Comics provide science learning in a portable form that can be savored for its wonderful illustrations as well as its scientific information. The Climate Comics Series, included with certain VisitPlus workshops, will also be available at the Museum Store.

Montshire programs are designed to provide meaningful and fun learning experiences—at your home, in your community and here at the Museum. Join us!
Dear Friends,

One of the reasons I’m so engaged with the Montshire is that the Museum is a vital resource for our whole region.

Recently I met a woman from Waterville Valley, New Hampshire. When I mentioned that I live in Norwich, she said, “You mean where the Montshire is?” I found myself bursting with pride. “Yes,” I said, “I’m a huge fan of the Montshire!” She told me that she’d brought her 6-year-old granddaughter here over the summer and raved about the fun they had together. Science Park was, not surprisingly, a highlight. At her granddaughter’s urging, they’re now planning a return visit with additional members of the family.

More and more people are discovering the Montshire every day, and our members visit more often than ever before. Whether you’re new to the Museum, or you can count your visits by the dozens, I hope you’ll come again soon (with or without children in tow!). We look forward to hearing your stories of inspiration and discovery.

With many thanks for your support,

Cinny Bensen
Chair, Board of Trustees

UPCOMING EXHIBITIONS

Sustainable Shelter and Energy Conservation

Sustainable Shelter: Dwelling Within the Forces of Nature
February 1 – May 26, 2014

What can we learn from nature to make our dwellings more sustainable parts of the Earth’s natural systems?

Shelter is a universal human need—a need we share with other living things. Since buildings consume lots of resources and almost half of all the energy used in the United States, it’s important that we make them more efficient. Just as birds select and gather materials from their local environments to fashion safe and nurturing nests, humans build homes that use natural resources to meet a vast array of our needs and desires. Sustainable Shelter investigates the ways that human dwellings extract, use, and discard energy, water, and other precious natural resources. The exhibit reveals innovative new building technologies and strategies that can help restore the health and viability of natural cycles.

This exhibition introduces visitors to the functions of shelters, and how animals and humans have adapted to differing environments through an amazing diversity of structures.

Calling all Kids

(and adults who like to take their toys apart!)

Toys: The Inside Story

This exhibition lets you peek inside some well-known toys while exploring the mechanisms that make them work. View a dissected Etch-A-Sketch® and trace patterns on a giant version of the toy at one of the 12 hands-on stations. Learn about gears, pulleys, linkages, and other mechanisms, and then see them in use.
LEADERSHIP AND GOVERNANCE

The following people were elected as new members of the Montshire Corporation at the annual meeting held Thursday, September 12, 2013.

Elizabeth Adams, Norwich, VT
Errik Anderson, Hanover, NH
Gail Gentes, Hanover, NH
Amy Gladfelter, Norwich, VT
Susan Goodell, Newbury, VT
Joseph Helble, Norwich, VT
Ann Malenka, Etna, NH
Vicki May, Lyme, NH
Jim Miller, Quechee, VT
James Smith, Concord, MA
Jim Miller, Quechee, VT
Gail Gentes, Hanover, NH
Errik Anderson, Hanover, NH
Elizabeth Adams, Norwich, VT
Ray Sears, Grantham, NH
Corporation President
Ray Sears, Grantham, NH
Corporation Vice President

At the Board of Trustees meeting held on May 20, 2013, the following officers to the Board were elected:

Cinny Bensen, Chair
Philip McCaul, Vice Chair
David Otto, Treasurer
Margaret Rightmire, Secretary

Members of the Corporation provide strategic direction to the Montshire and serve an especially important role in shaping the Museum’s future by selecting, from among the members, our Board of Trustees. The following were elected to the Board of Trustees:

Justine Fahey, Norwich, VT
Frank Leibly, Taftsville, VT

Officers of the Corporation were elected as follows:

Lu Martin, Hanover, NH
Corporation President

Ray Sears, Grantham, NH
Corporation Vice President

NEW TRUSTEES

Justine Fahey

Justine has lived in the Upper Valley off and on since 1990. She has been involved with the Museum since 2001, both on the Montshire Fund Committee and with the annual auction. She has been a member of the Steering Committee of the Montshire Auction for the past five years, including co-chairing the event for three years, serving as Reservations Chair and helping with acquisitions.

She earned a BA at Dartmouth College in Psychology and received an MBA from The Tuck School of Business. Prior to moving to the Upper Valley, she worked for various Internet technology companies in the Boston area in marketing and business development.

Currently, Justine is a yoga teacher at Upper Valley Yoga in White River Junction. She is involved in various areas of the community, including volunteering at her children’s schools and as a coach for Girls on the Run Vermont. She lives in Norwich with her husband, three children and various pets. Her children have been involved with the Museum’s preschool program and summer camps and consider the Montshire to be an invaluable part of their lives.

Frank Leibly

Frank Leibly is a successful entrepreneur and investor, with a background in Internet software and e-commerce. Frank is currently a partner at private equity advisor Alcon Partners, and a member of the Board of Directors of Mascoma Savings Bank.

Frank grew up in Washington State, coming east to attend MIT, where he received his bachelor’s and master’s degrees in Electrical Engineering and Computer Science in 1994. While in school, Frank and several classmates founded New Frontiers Information Corporation, a provider of software and related services for Internet publishing and e-commerce. They later sold the company to Banta Corporation, which was subsequently acquired by RR Donnelly.

Frank moved to Woodstock, Vermont, in 2001, where he lives with his wife and two children, who are Montshire enthusiasts. Since moving to Vermont, Frank started Internet video gaming firm StarROMs, Inc. and became an investor and a member of Granite State Angels. He has also served on the boards of the Woodstock Rotary Club and the Woodstock Recreation Center, and is currently a Director and Treasurer for Woodstock Associates.

HAZEN TRAIL

Over the last few years, the Museum has worked with nearby landowners Dartmouth College, and the Child Care Center in Norwich along with the Norwich Conservation Commission, to improve public access to the Hazen Trail. Members of the Norwich Conservation Commission developed a new trail section, and the town of Norwich created a small parking area on the upper section of Montshire Road near the new trailhead.

The planets Uranus, Neptune, and plutonium are still found on the Hazen Trail to the south of the Ridge Trail.

The new trail is open to the public. Use of other trails on Montshire property requires a Museum admission sticker.

ACCESSIBLE PATHS

The paths from the terrace to the Hughes Pavilion, adjacent restrooms, and Animal Tracks Kiosk have a new look and feel, especially for those using a wheelchair or stroller. The new water-permeable surface is made from a specialized material designed to withstand the Vermont weather, be visually appealing, and provide a smooth surface for wheelchairs and strollers.

CELEBRATE YOUR MONTSHIRE MEMBERSHIP!

Present this coupon with your membership card for a special

ONE-TIME 20% SAVINGS

on any purchase from the Montshire Museum Store.

Offer good through December 24, 2013. Your purchase supports the Montshire Museum and educational programs.

GIVE A GIFT OF MONTSHIRE THIS HOLIDAY SEASON!

Montshire Gift Guide

✔ Gift Memberships
✔ Museum Store Gift Certificates
✔ Admission Passbooks
✔ Gifts in Honor/Tribute

www.montshire.org/membership or at the Museum
Dear Friends,

On behalf of the Montshire Fund Committee, I’d like to thank you for believing in the educational mission of the Museum. Together we raised nearly $220,000 to support virtually every facet of the Museum’s operations.

Those of you on our Honor Roll deserve special thanks. We established this program last year to recognize long-time supporters. It is amazing to see the number of people who continue to give, year after year. Names followed by ● have been giving to the Museum for at least 10 consecutive years, and those followed by ◆ have been giving for five or more.

As the new Chair of the Montshire Fund Committee, I’d like to thank the volunteers who spend countless hours reaching out to the community on the Museum’s behalf, especially Cinny Bensen, who led these efforts for the past three years. We do this work knowing how generous and valuable our contributors are.

Justine Fahey
Chair, The Montshire Fund

Friends of the Montshire Museum

River Society
$2,500+
Anonymous (3)
Robert Albin
James and Jane Barrett
Ray and Cynthia Barrette
Family Fund of the New Hampshire Charitable Foundation—Upper Valley Region
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Joanne and Perry Boll
Steve and Cindy Bens
Kathy and Mark Blanchard
Jim and Leesi Bonney
Ann Bressett
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Hayward and Anna Crewe
Jim and Debby Crowell
Mary Cunningham
Stephen Denhartog
What and Cleo Dickey
What and Cleo Dickey Fund of the New Hampshire Charitable Foundation—Upper Valley Region
Marlene and Brian Doyle
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Justine and Pete Fahey
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Jessica Griffis and Timothy Wennrich, Griffiths Wennrich

Family Fund of the New Hampshire Charitable Foundation
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Jennifer and Justin Knott
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Patrick Mahler and Joyce Solomon
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Patrick and Kristine McDevitt
William and Margaret Montgomery
Virginia Moriarty
Marilyn Pugmacci
Robert and Elaine Santos
Sarah and Bruce Schwaeger, Bruce M. and Sarah T. Schwaeger Fund of the New Hampshire Charitable Foundation—Upper Valley Region
Andrew Sears
Bennie and Pat Selles
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The Stettenheim Foundation
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Steven and Lisa Tynan
Susan and Mark Valentine
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Beth and Jamie Ames
Rebecca Archambault
Sarah Armour-Jones and Steven Jones
Al Ashare and James Carroll
Laurence Babcock and Virginia Stone
Anne Beaudette and Steve Campbell
Kristin and Matt Barnum
Christine and Donald Bartlett
David Bartlett and Jennifer Meyer
Julie and Jay Bartlett

Patrons
$1,000–$2,499
Anonymous (2)
K. Sandra Anderson and Reev Williams

Montshire Museum

Annual Report

2012-2013
Many local companies choose to become members of the Montshire Corporate Associates program. MCA members support the Montshire and receive a variety of benefits including opportunities for their employees to visit the Museum, facility rental discounts, and public recognition. A full list of benefits can be found at www.montshire.org/mca.

The Montshire is grateful to the following businesses, which held a membership in the Montshire Corporate Associates during 2012/2013:

**Adimab**
**Advance Transact**
**Alice Peck Day Memorial Hospital**
**Alvin’s Vending Service, LLC**
**AREC Mechanical Contractors, Inc.**
**Blue Sky Restaurant Group**
**Bond Optics**
**Carruthers Insurance Group**
**Chippers**
**Christina Technology Corporation**
**Coldwater Foods**
**Coldwell Banker—Redpath & Co.**
**Computer Inc.**
**Concepts Inc.**
**Dartmouth College**
**Dartmouth-Hitchcock**
**Downs Ranch in Martinsville PLLC**
**Economy Mechanical**
**Ente & Galluppe, Inc.**
**Eous Group, Inc.**
**Fujifilm Dimatix**
**Galagher, Flynn and Company, LLP**
**George O’Toole**
**Gretchen and Bob Fairweather**
**H. Krusi**
**Kari LaFlam and Vanessa Morse**
**Kari LaFlam and Vanessa Morse**
**Kathleen Jones and Donald Perovich**
**Karen and John Conover**
**Katy and Phil Harrington**
**Kevin and Karen O’Leary**
**Kevin and Karen O’Leary**
**Kip and Judy Obertein**
**Kris and Christine McGee**

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**Douglas and Barbara McClary**
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**Doug and Barbara McClary**
**Doug and Barbara McClary**

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**The Montshire is grateful to the following businesses, which held a membership in the Montshire Corporate Associates during 2012/2013:**
Future Science Leaders

Rachel Sargent: When I was a young girl, few outings were more exciting than a visit to the Montshire. On weekends, I pestered my parents into the hour-plus drive to attend the Museum. Some of my first experiences with basic science concepts are from iconic Montshire exhibits: how bubbles behave, paper helicopter aerodynamics, and the scale of space. By the time I was six, I knew I wanted to study science—these early experiences with informal science education had a profound effect. I went on to major in Biology, ultimately working as a lab technician on real cutting-edge science in botany, marine biology, and neurobiology. Along the way, I discovered the importance of sharing the excitement of inquiry-based science and began to do more museum education until I ended up where I had started—at the Montshire, but this time as a summer explainer.

I know from personal and first-hand experiences why informal science education and museums like the Montshire are so valuable.

Henry and Pauline Parker
Alpa and Bhurut Patel
PathWays
Barbara and Henry Payson
Donald and Abbie Presford
Maggie and John Pepper
Daniel and Adrienne Perez
Joseph and Laura Perrus
Liz and Bill Pierce
Mary Louise Pierson
Gwen and Paul Planet
Eloise Prescott
John Reese and Deborah Franklin
Ruth Revere and Barry Smith
Shalini M. Reut
Stephanie Reuminger
Steve and Martha Richardson
Catherine Richmond
Cleveland and Elma Abebe Richards
Les and Diane Riman
David and Kathryn Roberts
Barbara and David Ruby
Dan and Ellen Rockmore
Sabine and Diane Roman
Jacob and Tamaro Ross
Peter and Joanne Roth
Fred and Joan Rueckert
Peter and Priscilla Runstadler
Elisabeth Russell
John and Karen Sanders
Emily and John Sands
Louis and Carolyn Spigt
Chris and Michelle Srata, in honor of our awesome kids!
Michael and Phyllis Shankman
Paul Shannon
Nathan and Janet Simmons
Robert and Anne Simpson
Leif and Guilia Smedman
Roger Soderberg
James and Margaret Southwort
Susan and Sarah Spademannon
Eleanor Stephenson
Alice Stewart and Kevin Swansson
Mitchell and Sheryl Srata
Linda and David Stover
Scott and Susan Sweazy
Matthew and Tanya Swett
Clint Swift and Bonnie Allard Swift
Michael and Laura Tafe
William and Susanne Tanski
Carl and Ching Wen Taylor
Louise and Punch Taylor
Posie Taylor
Peter and Mary Toczakout
Carolyn Tennyson, in memory of Francois McCann Murray
Bill and Michele Trefl
Linda and Edward Tobler
Dennis and Patricila Tobin
Dorothy and Joseph Toft
Arita Toor and John Trummel
Mary Trummell and Micuela Tucker
Shelley and Robert Treat
Inge and Heinz Trehitz
Elizabeth and William Trought
Kathryn and John Underwood
Brenda Vaze
Sophia and Brian van Hof
Jennelle and Mike VanDerBengh
Jim and Cindy Varum
Immanu and Mary Veach
Noelle and Geoffrey Vitt
James and Sophia Von Molke
Peter and Pamela Voss
Fred and Millica Wainwright
Beverly and Norman Walsley
Ulrike Wegert
Harry and Betsy Welch
Ruth Wellington
Cleta P. Wheeler
Huntley and Lynne Whitacre
Steve and Kathy Wilkerson
Carol and Mark Williams
Sybil Williamson
Thomas and Joan Wilson
Paul and Dorcas Wonsavage
Jim and Susan Wright
Arthur and Jeanne Young
Rebecca and Spencer Zaha
Winnifred Y. Zoppa

Friends
Gifts above or instead of an annual membership, $33+

Lynn Adams and Simon Carr
David and Laurie Alben
Huntly and Ganna Allison
American TESCAL Institute, USA
Elizabeth Joan Anderson and Rob Stevens
Fred and Pat Appleton
Peter Hoyle Armstrong
Barbara R. Barnes and Julia Keck
Fran and Bill Baschnagel
Mark and Laura Beliveau
John and Betty Berlendebach
Jeffrey Botha and Michele Campbell
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A. Stewart and Elizabeth Guer
Sandy Harris and Beth Kraus
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Jeannette Huu and Todd McSweney
Patricia Huston, in honor of Kevin Lane Keller
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David and Sarah Roberts, in honor of Richard Steams
Susan Ross
Eric Saller and Paulette Weger
Richard and Margaret Schwartz, in memory of Andrew Mortimer
Rosemarie and Lou Pettitto
Susan E. Scioro
The Simpson Family
Mark and Donna Suitsky
Hilda and Robert Sokol
Gray Soper and Mitsuko Tanaka

Warm Welcome Program

Our Warm Welcome program is an ongoing commitment of the staff and Board of Trustees, and we expect to have several new improvements in place in early 2014. Thank you for your support and interest as we work to support the needs and desires of our community. For more information, or to provide feedback and suggestions, please email jennifer.rickards@montshire.org.

111
1,000
3,606
43
16
30
1,240

human service agencies received free admission passes.

of their clients visited the Museum for free.

children recieved Summer Camp and program scholarships, valued at nearly $10,000.

other nonprofit organizations were provided a free meeting space for their public programs, which served 1,012 community members.

school groups with 1,240 visitors came to the Museum for just $1/student.
Scott E. Stevens
Kimberly and Peter Stern
Ann Summer, in honor of Nancy
Charles
Shiela and Steve Swett
Marcus and Leslie Tarkin
Anthony and Barrett Thacher
Charley and Nancy Trumman
Stanley and Lee Udy
Jean and Gary Ulman
Alice and Brad Williams
E.G. and Karen Woods
Roderic and Gretchen Young

*deceased

© 5-Year Honor Roll
© 10-Year Honor Roll

Corporate Donors to the Montshire

Corporate Exhibit, Program, and Event Sponsors

These companies supported the Museum through sponsorships to underwrite a variety of exhibits, programs, and events, including the annual auction, in 2012–2013:

- Aiani’s Vending Service, LLC
- The BaySons Company
- Centurion Insurance Group
- Chippers
- Caldwell Banker – Redpath & Co.
- Computac Inc.
- Copeland Furniture
- Etes & Gallup, Inc.
- Four Seasons Sotheby’s
- International Realty
- G.R. Porter & Sons, Inc.
- Gallagher, Flynn and Company, LLP
- Geosken Inc.
- Global Forest Partners LP
- Granite Value Capital, LLC
- Hypertherm HOPE Foundation
- King Arthur Flour Company
- Ledyard National Bank
- Mascoma Savings Bank
- Occum Munin LLC
- Otto & Associates, Inc.
- Peruia Dermatology Group
- Picaboo Corporation
- Resource Systems Group, Inc.
- The Richards Group
- Schiffman, Dattilio & Liepmann, P.C.
- Simple Energy
- Smith & Vansant Architects, PC
- Stebbins Bradley, PA
- Summit Wealth Group
- Timken Aerospace
- Tyler, Simma & St. Seaveur, P.C.
- Von Bargen’s Jewelry
- Wells Fargo Advisors, LLC
- White Mountains Insurance Group

Matching Gift Companies

The following companies contributed matching gifts on behalf of their employees who are Montshire members and donors:

- The Coca-Cola Foundation
- Deutsche Bank
- Goldman, Sachs & Co.
- Goodrich Corporation
- Green Mountain Coffee Roasters
- IBM Corporation
- Luminous Foundation for Education
- Mascoma Savings Bank
- Pfizer Foundation
- The Timken Fund

In-Kind Gifts

The Montshire is grateful to the following donors who contributed tangible gifts and services to the Montshire in 2012–2013:

- Co-op Food Stores
- Long Wind Farm
- New England Research, Inc.
- Michelle Olivie, Center for Cartoon Studies
- Dr. Joseph and Jane Stevens

The Montshire Auction

On Friday, May 3, 2013, the Museum enjoyed an annual auction with the theme “Fiddlehead Fling.” The Montshire is grateful to more than 500 volunteers who worked many months on the event, the 274 donors who generously contributed items and services, our 29 civic-minded corporate sponsors, and the 358 guests who attended and placed bids enthusiastically. Proceeds from this important event support education programs for students and teachers throughout Vermont and New Hampshire. All of the auction items, donors, volunteers, and corporate sponsors were recognized in the auction catalog. Thanks again to you all!

Legacy and Memorial Gifts

Legacy Circle: Creating a Legacy for Montshire’s Future

The following donors have informed the Montshire that they have included the Museum in their estate plans through a bequest, bequest intention, trust, retirement plan, life insurance policy, or life income gift. These donors are members of the Montshire Legacy Circle and are recognized for their desire to care for the Museum into the future. Planned gifts are typically included in the Museum’s endowment to help the Montshire provide excellence in programming and exhibitions in perpetuity.

Anonymous (3)
James and Jane Barrett
Lisa Coshdan and Peter Stein
Arnold Castagna
Marcy Cheng and Almen Hall
Nancy S. Dwight
David Goudy
Hugh Hermann
Bin Lewis *
Teresa Lyons Lane*
Peter and Lu Martin
Carolyn and Peter Mertz
David and Mary Otto
Weier Paine and Barbara Moyer
Robert and Elizabeth Porter
Allie Quinn

Growing Up Montshire

Fiona Sweeney: Montshire Museum has been a part of my life for as long as I can remember. When I was really young, going to the Montshire was always the special treat for my sister and me. As my interests changed with age I noticed different exhibits, but “Gears at Play” really revolutionized my understanding of how the world works. As a young dancer, the initial attraction for me was a ballerina doll spinning atop one of the gears, but upon closer inspection I was fascinated by how the gears work together. This idea of connection had never really occurred to me before, and I started to think about how this system might be used in other situations.

Now, I really enjoy the teen tinkererings nights. If you are in middle school I highly recommend coming. It gives me the freedom to challenge myself, and to do the projects my parents won’t let me do at home.

My most recent exploration with the Montshire was helping at Montshire’s booth during the Champlain Valley Mini Maker Faire. I got the chance to learn how to teach others what I’ve learned over the years.

Milo James Wilcox: The first time that I came to the Montshire I knew immediately that I wanted to be an engineer. The Montshire became my centerpiece until about 5th grade, when I began to regard the museum as childish. How wrong I was! About a year ago I began to regain my interest in tinkering and engineering with the teen tinkerings nights. I had so much fun with friends who also turned up, that I could not wait until the next one. I was asked to help at the Montshire booth at the Champlain Maker Faire in October. We showed kids how to create ScribbleBots, and helped them make flying contraptions for the wind tunnel. It was fun sharing my enthusiasm for science and engineering—an excellent day!

Participation

147,773 visitors came to the Montshire.
3,284 Montshire members (as of September 30, 2013)
7,058 people participated in Montshire programs.
20,024 school children from 288 schools in Vermont, New Hampshire, Massachusetts, and New York visited the Museum.
3,850 students participated in one-hour science workshops led by Montshire’s professional science educators.
503 youngsters participated in Montshire Summer Camp programs.
664 people spent the night at the Museum as part of the Montshire Camp-in program.
Giving to Montshire

Lu and Peter Martin have provided the Montshire with leadership and support for almost two decades. “Peter and I know that the Montshire is truly a community treasure for us, our children, our grandchildren, and everyone in the Upper Valley,” said Lu, who chaired the Board of Trustees from 2003 to 2005. “Since it is one of the few museums in the country not to receive any state or federal support for its operations, we have made giving to the Montshire a top priority.”

The Martins took advantage of a special opportunity to leverage their gift this year. Through the end of 2013, individuals who are 70 1/2 or older can make a direct transfer (“rollover”) to the Montshire or another charitable organization from their Individual Retirement Account (IRA). The amount of the gift is excluded from taxable income, and may be used to satisfy a minimum distribution requirement.

“Because 2013 is the last year the federal law allows it, we designated the Montshire to receive part of our IRA-mandated distribution and avoided all federal taxes on it. A no-brainer for us!” said Lu.

For more information, call the Montshire’s development office at 802-649-2200, ext. 225, or contact your IRA plan administrator.

Memorial Gifts

In Memory of Julia Fifield
Martha Clark
David and Joyce Milsco
William and Margaret Montgomery
Eleanor Stephenson

In Memory of Bin Lewis
Carol Cowell
Amy and Paul Hoffman
Alexandra and Rogers Johnson
Sara and Ronald Kohlender
Rosemarie and Lou Schibetta

If you have left the Montshire a provision of any kind in your estate plan and would like to be recognized for your generosity, please contact the Development Office for a confidential conversation at 802-649-2200, ext. 225.

Gifting to Special Initiatives

These donors supported a variety of Montshire programs in 2012-2013, including the Montshire Endowment:

Argo Foundation: Teen Tinkering Programs
The Couch Family Foundation: School Partnership Initiative
The Donley Foundation: School Partnership Initiative
Andres Wildenstein Dormeuil & Roger Dormeuil Endowment: Unrestricted Grant
The Lune and Elizabeth C. Dwell Charitable Trust: Warm Welcome Program
Hansover Garden Club: Warm Welcome Program
Windsor and Marilyn Hunter: Windsor and Marilyn Hunter Endowment for School Partnerships
Hypertherm HOPE Foundation: School Partnership Initiative and Lab Coat Investigations
Kevin Lune Keller and Pam Keller: Keller Family Fund for Special Needs
The Kettering Family Philanthropies: School Partnership Initiative
The Agnes M. Lindsey Trust: Warm Welcome Program
General William Meyer Foundation: “Frog Eyes” exhibit
Bowen H. and Janice Arthur McCoy Charitable Foundation: Enhancing Montshire’s 100 Acres
NASA: The Dynamic Earth
National Institutes of Health: Connecting Classrooms and Community with the Health Sciences
National Life Group Foundation: Warm Welcome Program
National Science Foundation, through New England Wild Flower Society: “Go Botany!”
New Hampshire Charitable Foundation: Exhibit Design
General William Norman: Unrestricted Grant
The Couch Family Foundation: School Partnership Initiative
Argosy Foundation: Teen Tinkering Programs
Hypertherm HOPE Foundation: School Partnership Initiative and Lab Coat Investigations
U.S. Army Cold Regions Research and Engineering Laboratory: Engineer Meetings
Windsor and Marilyn Hunter: Windsor and Marilyn Hunter Endowment for School Partnerships
Hanover Garden Club: Warm Welcome Program
The Lane & Elizabeth C. Dwinell Charitable Trust: Warm Welcome Program
Andree Wildenstein Dormeuil & Roger Dormeuil Foundation: Unrestricted Grant
Andrea Dommer: School Partnership Initiative
The Donley Foundation: School Partnership Initiative
The Couch Family Foundation: School Partnership Initiative
Argo Foundation: Teen Tinkering Programs

Uses of Funds

$2,596,943

$2,583,872

$2,583,872

$2,596,943

These charts illustrate major sources and uses of funds comprising the Montshire’s operating budget for the fiscal year that ended 9/30/13. This information is taken from our preliminary year-end financial report. Copies of our completed financial statements, prepared by our auditors, Tyler, Simms & St. Sauveur, P.C., will be available soon. Please contact the Development Office at the Museum to request a copy.
Ryland Stout: When on October 22, 2012, three-year old Ryland Stout of Woodstock, VT, passed away of a rare terminal brain tumor the community gathered together in support of the Stout family. Blakeley Murrell-Liland, a local community member, knew Ryland loved visiting the Montshire Museum of Science and wanted to commemorate and honor him here at the Museum. A Montshire Marker with Ryland’s name seemed like a perfect fit. Markers are 6x8 inch bricks that are located in the Museum’s entry terrace. Murrell-Liland reached out to other community members and a total of eight people donated money to have a Montshire Marker engraved for Ryland Stout. “We are very touched and amazed by the outpouring,” said Jessica Horak, Ryland’s mother. Montshire Marker contributions support the Museum’s exhibits and programs that serve families throughout Vermont and New Hampshire.

The following people made donations to have a Montshire Marker engraved with Ryland Stout’s name.

Tracey Dugdale
Zuri Farlow
Ann Jones
Jen Minotti
Blakeley Murrell-Liland
Jenny Shaw
Kathy Sorrentino
Bonnie Underwood

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Audrey Sears
Ray Sears
Fred Wainwright

Magic Carpet
Martha Clark, Co-Chair
Ann Davis, Co-Chair
And dozens of dedicated colleagues.

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Adrienne Peraza
Alicia Prydzielski
Megan Rudy
Maribel Souther

Your Gifts At Work

- $50: Free admission per family in need
- $60: Night Walk Workshop
- $210: Average Camp Scholarship
- $110: Complimentary Membership
- $1,000: Intern Stipend
- $125,000: A T. Rex Named Sue Exhibition Leasing Fee
- $12,708: Science Park Benches
- $4: Crickets (Frog Food)
- $7: Dry Ice
- $1,372: Life in Shallow Water Exhibit Materials
- $73: Saws for Igloo Build
- $6.42: Per visit expenses not covered by admission fee.

In Memorium

Tracey Dugdale
Zuri Farlow
Ann Jones
Jen Minotti
Blakeley Murrell-Liland
Jenny Shaw
Kathy Sorrentino
Bonnie Underwood
FOR CHILDREN

Young Scientist Program

- Session 3
  January 8–February 12 (6 weeks)
  Members $170, non-members $185
- Session 4
  March 5–April 9 (6 weeks)
  Members $170, non-members $185
- Session 5
  April 23–May 14 (4 weeks)
  Members $115, non-members $125

This weekly program includes hands-on experiments, fun projects, and individual explorations in the physical and natural sciences. Designed to engage and excite preschoolers ages 4+ and kindergartners about science.

Flying Marshmallows

Monday, January 20
10 a.m.–noon

Starting with a series of experiments you’ll discover the characteristics of air and the principles of air pressure. Then, using these principles, you’ll build your own air-powered, mini-marshmallow shooter. Limit 12.
For children in grades K-3.
Members $35, non-members $40

Kitchen Science

Monday, January 20
1–3 p.m.

We are opening our kitchen cupboards and pulling out a variety of sticky and slimy experiments. Get a chance to explore some biology and chemistry as we experiment with a variety of concoctions. Limit 12.
For children in grades K-3.
Members $35, non-members $40
* A supervised lunch period will be available for children who sign up for both the morning and afternoon programs.

February Vacation Week Programs

- Tinkering Lab: Open Studio for Makers
  Monday, February 17
  11 a.m.–2 p.m.
  With some new skills and creativity, build something exciting! Purchase a kit and use our tools and supplies for an in-depth experience in creative tinkering. Participants younger than 9 will need a parent or caregiver.
  Free with Museum Admission, plus $5 for kit.

- Science Snow Day
  Tuesday, February 18
  9 a.m.–3 p.m.
  Come prepared for some cool science activities inside and out. We’ll explore the amazing characteristics of ice and snow and learn about the melting and freezing cycles. Then, we’ll experiment with snow’s structural properties as we build snow arches and other structures. Limit 12.
  For children in grades 3–5.
  Members $70, non-members $80

- Winter Wildlife
  Thursday, February 20
  9 a.m.–2 p.m.
  Spend a winter day learning how to identify animal tracks, scat, and other animal signs. In the classroom we will learn about New England wildlife. Then we’ll head outside and explore the Montshire’s forests, fields, and trails. Limit 12.
  For children in grades K-2.
  Members $70, non-members $80

- Stop Motion Animation
  Friday, February 21
  9 a.m.–3 p.m.
  Spend the day trying out different techniques using stop motion animation to tell stories, create special effects, and express unique points of view. We’ll use iPads during the workshop and conclude with a presentation.
  For students in grades 5-8.
  Members $70, non-members $80

Homeschoolers Series

- Electricity and Magnets
  Mondays, January 6, 13 & 27
  Ages 6–8, 10:30 a.m.–noon
  Ages 9–12, 1–2:30 p.m.
  In this three-part series we will experiment with magnets and electromagnets, and build basic circuits with motors, bulbs, and batteries to explore electricity. Limit 14.
  Members $70, non-members $77

- Natural Explorations
  Thursdays, May 1, 8 & 15
  Ages 6–8, 10:30 a.m.–noon
  Ages 9–12, 1–2:30 p.m.
  In this three-part series we will explore insects, plants, and natural processes such as decomposition and energy cycles. The class includes both indoor and outdoor explorations, observations, and investigations. We’ll use several types of microscopes and other tools to observe our world up close. Limit 14.
  Members $70, non-members $77

Friday Nights for Teen Tinkerers

Fridays, January 31, February 28, March 21, 6:30–8 p.m.

The tinkering studio for teens is open! Design, create, and build something cool. Each month, we’ll explore a different topic. Pre-registration is encouraged, but drop-ins are welcome.
For youth in grades 6–9.
Members $14, non-members $16

FOR FAMILIES

Books and Beyond!
Science for Preschoolers

Mondays, January 6, February 3, March 3, April 7
10:15 a.m. or 11:30 a.m.

This popular program combines children’s literature and hands-on activities for fun science learning and exploration. Each day features a different book and related science activity. For children ages 3–5 and their parents or caregivers.
Free with Museum admission

Machine Madness

Pre-build

Sunday, December 1
10 a.m.–3 p.m.

Need some motivation or inspiration? Bring the beginnings of your machine to the Machine Madness pre-build. Machine Madness director Mike Fenzel will assist in bringing your ideas to life!
Free with Museum admission

Machine Madness

Saturday, December 7
1–3 p.m.

Machine Madness is a fantastic family engineering event open to people of all ages and mechanical abilities. We will link our homebuilt contraptions to other machines and create one incredible chain reaction! Find building guidelines at www.montshire.org.
Free Museum admission for families who pre-register their machines.

BYOBox

Monday, December 30, 1–4 p.m.

Bring the biggest cardboard box you have, or use one of ours, and create an arcade game straight out of your imagination. Make a pinball console, build your own Skee-Ball, or invent something completely new. Share your game and play other people’s games in the afternoon extravaganza. We’ll provide materials, and engineering assistance. For inspiration, visit Caine’s Arcade on YouTube.
Free with Museum admission.

Pre-registration required for fee-based programs. Register online at www.montshire.org/programs.html
Earth & Sky Day  
Saturday, January 25  
10:30 a.m.–5 p.m.  
Celebrate the wonders of the Earth and our place in the universe with activities throughout the day. Learn about tonight’s sky and investigate large-scale processes driving our planet’s systems.  
Free with Museum admission.

Take Apart Day  
Saturday, March 29  
1-4 p.m.  
Ever wonder what’s inside the household appliances you use every day? Join us and explore the “guts” of VCRs, toasters, cameras, and toys.  
Free with Museum admission.

FOR ADULTS

Montshire Unleashed: An Evening for Adults  
Fridays, January 17, April 4  
6-9 p.m.  
Allow your inner curiosity to run wild! The Montshire is open after hours for adults of all ages (21+). Pull up a stool at the Science Discovery Lab for some amazing activities or simply explore the Museum’s visiting and permanent exhibits on your own. Jasper Murdock Ale and wine from the Norwich Inn will be available for purchase.  
Free with Museum admission.

Igloo Build  
Saturday, February 15  
10:30 a.m.–2 p.m.  
Learn how to build a simple, yet elegant igloo and other snow dwellings with expert Dr. Bert Yankielun. Demonstration begins at 10:30 a.m. and building takes place until 2 p.m.  
Free with Museum admission

Homeschoolers’ Day: Earth Science  
Friday, March 21, 10 a.m.–3 p.m.  
Explore Earth science and processes including geology, weather, and forces of erosion.  
Free with Museum admission.

For Teachers

Professional Development Opportunities

- Microscopes in Your Classroom—Tuesday, December 10
- Experimental Design and Using Evidence: The Next Generation Science Standards in the K-3 Classroom—Thursday, January 9
- Experimental Design and Using Evidence: The Next Generation Science Standards in the 4-6 Classroom—Friday, January 10
- Engineering in the Science Curriculum: Understanding the Next Generation Science Standards—Tuesday, February 4
- Hands-on Lessons for Teaching Heredity and Natural Selection—Thursday, March 6
- Cells—Tuesday, March 25
- Teaching Life Cycles, Habitats, and Seasonal Change with Insects and Amphibians—Tuesday, April 8

For more information and to register online visit: http://montshire.org/for-teachers/
Montshire Museum of Science
One Montshire Road
Norwich, Vermont 05055

Non-Profit Org.
U.S. Postage
PAID
Permit No. 170
White River Jct., VT

The Montshire Museum of Science features exhibits and programs on natural and physical sciences. The Montshire is an interpretive center for the Silvio O. Conte National Fish and Wildlife Refuge. The outdoor Science Park leads to a network of walking trails on our 110-acre property.

Hours: Open daily 10 a.m. to 5 p.m. Closed Thanksgiving and Christmas.
Phone: 802-649-2200
Web: www.montshire.org
Admission fee

Montshire Museum of Science
One Montshire Road
Norwich, Vermont 05055

Imagine an exhibition that took 67 million years to create.
Discovered by Sue Hendrickson in South Dakota, Sue was the most complete and best preserved *Tyrannosaurus rex* ever found.
Now, some 67 million years later, she's finding her way to the Montshire Museum of Science May 17-September 7.

*This exhibition was created by The Field Museum, Chicago, and made possible through the generosity of McDonald's Corporation.*