



Anemone

The Children's School of Science Newsletter

Summer 2014

CSS SCHEDULE OF EVENTS SUMMER 2014

Sessions A & AB Begin
Monday – June 30

Back-to-School Night
Tuesday- July 1
5 p.m.

School Closed
4th of July Parade
Friday, July 4

Open Board Meeting
Wednesday - July 16
7 p.m.

Open House – End of Session A
Friday - July 18
Last 15 minutes of each class

Session B Begins
Monday - July 21

Back-to-School Night
Tuesday - July 22
5 p.m.

CSS Annual Picnic
Thursday - July 24
Woods Hole Ball Park
5 p.m.

CSS Annual Meeting
Monday - August 4
7:30 p.m.

Open House
Wednesday - August 6
5 p.m.

End of Sessions
B & AB
Thursday - August 7

To keep up with current events
throughout the summer and
reminisce with others about CSS
over the winter, be sure to like
us on Facebook

President's Letter

Welcome to the second century of the Children's School of Science!

As the memories of last summer's fabulous Centennial celebrations still linger in our minds, we welcome new families and returning generations to the wonderful experience of Science School.

For many of us, young and not so young, Science School is a big part of what makes summer special. On a typical day you might see Saturn through a telescope in one of CSS's Extension classes, spot a whale during a class boat trip, observe an ocean mammal necropsy at a nearby laboratory, or ponder which variety of moss to gather for the terrarium you are constructing. CSS is a place where school is *fun* and children rush into their classrooms at the sound of the schoolhouse bell.

Recently, *Smithsonian* magazine listed Woods Hole and all that it has to offer, including the Children's School of Science, as number five of the top twenty small towns to visit in America. But of course this confirms what we knew all along! If this article or other word of mouth helped bring you here this summer, welcome! Introduce yourself in the schoolyard and prepare to have a very special experience.

With great appreciation to all the dedicated teachers, administrators, and volunteers for making CSS the uniquely joyous and engaging place we and our children so treasure.

Diane Smith

President, Board of Directors



Who's Who in the CSS Faculty

Athena Aicher **Invertebrates** **Marine Biology A**

Athena is currently a research assistant at the Woods Hole Oceanographic Institute where her research explores chemical cycling by phytoplankton in the world's oceans. Athena has a B.A. in Biology and Environmental Studies from Dartmouth College. (1st year at CSS)

Dave Bailey **Ichthyology**

Dave is a zoology graduate student at the University of New Hampshire. He has a diverse background, which includes work as a coastal scientist, fisheries observer, teacher, and a diver/collector. He received his B.S. in Marine Biology from the University of Rhode Island. (2nd year at CSS)

Tara Bennett **Microbial Life B**

Tara is the Program Manager for Life Sciences Outreach at Harvard University in Cambridge, MA. She has a B.A. in Biology from Dartmouth College and a M.S. in Animals and Public Policy from Tufts University School of Veterinary Medicine. (6th year teaching at CSS)

Catherine Bumpus **Nautical Science**

Catherine is a lifelong sailor and has worked in the professional marine industry on vessels from schooners to tugboats. She has her B.A. in History and Psychology from the University of Massachusetts, Boston. She currently lives in Woods Hole and owns her own sail and canvas repair business. (3rd year at CSS)

Daniel Cojanu **Photography**

Daniel is a professional cinematographer/photographer. Originally from Romania, he now resides in Woods Hole. He graduated from the University of Theater & Film "Il Caragiale" and also studied documentary filmmaking at the BBC School for Broadcast Journalism. His production company, UnderCurrent Productions, specializes in films with a scientific and environmental focus. (5th year teaching at CSS)

Tim Culbertson **Ecology of the Bike Path** **Advanced Ecology of the Bike Path** **Coastal Botany** **Experiments in Woods Hole**

Tim has a Bachelor's degree in Environmental and Forest Biology and a Master's in Marine, Estuarine and Environmental Science. Before relocating to Massachusetts from California, he taught science to students from grade to graduate school. Tim is currently a middle school Math/Science teacher at the Riverbend School in South Natick, MA. (3rd year at CSS)

Grace Foster **Seashore Life A**

Grace is a Woods Hole native. She graduated from Mt Holyoke College this spring with a B.A. in History and Education. She spent her childhood attending CSS classes and also was a Course Assistant. She worked at MBL during the summer of 2013. (1st year teaching at CSS)

Ben Jaffe **Herpetology**

Ben, a herpetologist, teaches science at a public school in Brooklyn. He also plays saxophone around New York. He has a B.A. in Communications from Clark University. (5th year teaching at CSS)



Jenny Junker **Animal Behavior A and B**

Jenny has a B.F.A. from Rhode Island School of Design. She works part-time at WCAI, the NPR station for the Cape & Islands. (22nd year at CSS)

Becky Lash **Entomology, Ethology**

Becky began her journey with the school as a Seashore Life student and was also an assistant. She received her B.A. from the University of Pennsylvania and her M.S. from Cornell University. In 1977, she taught her first Seashore Life class adding other courses over time including Entomology, Woods Ponds & Fields, Marine Invertebrates, and Limnology. A lifelong educator, she spent many years as a third grade and science resource teacher. She has also served as an aquarist at the Woods Hole Science Aquarium. (28th year at CSS)

Betty Lentell **Marine Mammals** **Seashore Life A**

Betty has spent more than 40 years working in the waters around Cape Cod. For the last 14 years, she has focused on the

conservation of marine mammals working with NOAA Fisheries, International Fund for Animal Welfare, National Park Service, Fish and Wildlife, and Cape Cod Museum of Natural History. Currently, Betty works as a contract biologist and a guest investigator at Woods Hole Oceanographic Institution. (1st year at CSS)

Kate McCluskey **Comparative Habitats** **Marine Biology**

Kate earned her M.Ed. from The Lynch School of Education at Boston College and her B.A. from St. Lawrence University. A former CSS Assistant and Lifer, she currently teaches 6th grade at the Churchill School in New York City. (6th year at CSS)

Simon Miner
Seashore Life AB,
Embryology, Robotics & ROV
Simon is an MBL researcher and freelance writer/photographer. He has an A.A. in Environmental Science from Cape Cod Community College and a B.S. in Biology from University of Massachusetts Amherst. (10th year teaching at CSS)



Who's Who in the CSS Faculty, Cont.

Alicia Roth
Geology
Woods Ponds & Fields A & B

As a child, Alicia spent most of her summers on the Cape and fondly remembers many years at CSS. After finishing a Masters in Education and living abroad to teach English, Alicia returned to CSS as a teacher from 2005-2009. Recently, Alicia completed a second Masters degree in Applied Linguistics. She currently works as a Sheltered English Teacher for grades 6-8 at the Vassal Lane Upper School in Cambridge, Massachusetts. She is thrilled to be returning to CSS this summer, after a four-year hiatus.

Kate Schafer
Seashore Life B
Kate teaches biology, environmental science, ecology and evolution at the Harker School in San Jose, CA. She was an undergraduate at Stanford. Her Ph.D. dissertation at UC



Berkeley was a study of populations of pygmy octopuses and stomatopod crustaceans in Belize. She also taught marine science on a research vessel for the Marine Science Institute on San Francisco Bay. Last summer she was part of the GYRE expedition, studying marine debris along the remote Alaska coastline. Kate credits a childhood class at CSS for sparking a lifelong interest in marine science. (2nd year at CSS)

Anna Stevens
Marine Biology AB
Advanced Marine Biology A/AB

Anna is an outdoor educator with experience working on oceans in the US and abroad. She currently teaches 8th grade in New York City at the Churchill School, a school for students with learning disabilities. She earned her B.A. in Anthropology and Marine Science from Trinity College. (6th year at CSS)

Shona Vitelli
Oceanography AB
Terrestrial Ecology

Shona has a B. A. in Anthropology and Human Biology from Temple University and an M.A. in Secondary Education and an Ed.M in Science Education from Columbia University Teachers College. (7th year at CSS)

Summer Extension Classes

Don't forget to watch for information on this year's Extension Classes. We'll have walks in the woods, boat rides and hands-on projects for the whole family. Check the CSS notice board, CSS website, or our Facebook page.



Teenagers – Are You Interested in Becoming a CSS Assistant Next Summer?

Teens interested in becoming teaching assistants for summer 2015 begin the process in the summer of 2014. Teaching assistants must be sixteen years old by the summer of their hiring; the supply runner is fifteen or sixteen.

The first step is an interview with the Teaching Assistants Chair (Jane Kulesza) and the Assistant Administrator (Aaron Sloboda) in July or early August. Prospective assistants will find the sign up poster on the kiosk in the schoolyard. The interview is an opportunity to learn more about the demands of the job, as well as a chance for Aaron and Jane to get to know the prospective assistant. At this interview,

the applicant is given an application; this application is due, along with letters of recommendation, on December 1, 2014.

Teaching assistants work all six weeks of Science School plus a few days beforehand and afterward. Assistants are assigned to work two classes per session. They report to the school early for set up and remain after class for clean up. They also unpack and later return the school's nets, microscopes, etc. to storage. Additionally, assistants are expected to participate in other CSS functions such as Back-to-School Nights, the 4th of July parade, the picnic, and the Annual Meeting.

-- Jane Kulesza



Look for interview information on the kiosk in the schoolyard at the end of July and early August

A "Once in 100 Years" Summer

Science School celebrated its Centennial in 2013 with a summer full of activities that welcomed the entire CSS community. Current students and families, current and past teachers and administrative staff, friends, and several generations of alumni from around the world enjoyed themselves at special events held in Woods Hole and Falmouth. A dedicated team of volunteers worked throughout the winter and spring of 2013 to organize the celebration.

Centennial events commenced with the May, 2013 publication of *Wet Sneakers & Nets: The Children's School of Science in Woods Hole, Massachusetts Celebrates 100 Years of Summer Science Education, 1913-2013*. This beautiful volume, edited by past president Charlotte Emans Moore, and comprised of essays, color photos, and illustrations, documents CSS's first century. Over Memorial Day weekend, Eight Cousins, a local Falmouth bookstore, sponsored a very successful book launch that brought together the community and honored CSS teachers.

Celebration happenings continued with the June opening of a summer-long CSS Exhibit at the Woods Hole Historical Museum. Curated by CSS volunteer and past president Dorothea Mautner and the staff of the Museum, this thoughtful, well-researched exhibit featured photographs, objects, and primary documents from the Museum, CSS archives, and private collections, as well as interactive, representative CSS classroom activities. As the guest speaker at the Woods Hole Public Library's annual meeting held in early July, CSS parent Will Moore gave a standing-room only



lecture detailing the founding of Science School. Later in July, CSS volunteers led a lively panel/audience discussion as part of the Woods Hole Historical Museum's "Conversation" series and encouraged participants to share their memories.

The "main event" of the Centennial summer, a family-oriented, all day 100th Birthday Party at the historic Woods Hole School, was held on a warm, sunny Saturday in mid-July. Tents were erected in the schoolyard and enthusiastic volunteers staffed scientific and artistic demonstrations, games, food booths, and raffle tables (including an hourly one, with the lucky winner awarded the coveted opportunity to ring the school bell!), and sold specially commissioned, Centennial-themed merchandise at Ways & Means tables. Hardworking CSS assistants staffed model classrooms inside the schoolhouse. Attendees were given stickers to wear, beautifully illustrated with animals and sea creatures by CSS alum Jane Fay Baker. The stickers corresponded to their CSS affiliation(s) – whelk for parent/grandparent, squid for assistant, and dragonfly for teacher, for example.

At least one or two people present could lay claim to six of the seven categories of stickers, attesting to their "lifetime" involvement with CSS!

Current and past students and their families, teachers, friends, and all three of the School's administrators -- Gene Phillips, Bob Nilson, and Doug Jones -- attended this wonderful event.

The day's activities concluded with Doug reading a Proclamation from the Town of Falmouth that declared it, "Children's School of Science Day," followed by a chorus of "Happy Birthday CSS" and birthday cake and cookies for all. The celebration continued the following morning under the tent in the schoolyard with a potluck brunch for current and past CSS teachers.

Later that same day, hundreds of current and former CSS students, families, teachers, staff, and friends gathered at the Woods Hole Ball Park for a Centennial photograph. Beth Armstrong and Daniel Cojanu, past and current CSS photography teachers,

ascended above the ball park on a hydraulic lift provided gratis by a CSS parent. Volunteers herded attendees into a "100" formation, Beth took the historic photo, and Daniel videotaped the event. Truly a Woods Hole happening!

At the end of July, Centennial events culminated with a cocktail party at the beautiful Jonsson Center of the National Academy of Sciences. Guests, who had purchased tickets in advance, enjoyed appetizers, wine, and soft drinks while watching a glorious sunset over Buzzards Bay. A historical slideshow that played continuously during the party evoked lovely memories for generations of CSS friends who attended. Two donors generously provided tickets so that all current CSS teachers could participate in this very special event.

The 2013 Centennial was a labor of love for all those who helped organize it and make it a reality. If the hundreds of smiling faces and sounds of laughter seen and heard throughout the summer are any indication of attendees' enjoyment and enthusiasm, then without a doubt a CSS Bicentennial Celebration will be held in 3013. See you there!

-- Mary Jo Benjamin



Volunteer Corner – Meet Kristie Proctor: CSS T-Shirt Quilter

Did you see the beautiful CSS t-shirt quilts that were raffled off the past two summers? There was such enthusiasm for these colorful quilts and the subsequent outpouring of donations for them that Science School will usher in its second century with a third quilt raffle! This is thanks to Kristie Proctor, the woman behind the quilts.

Kristie is a perennial volunteer and the cheerful face you have seen in the CSS schoolyard for years. Her husband Roger, a second-generation CSS alum, first introduced her to Woods Hole in 1994 and her children brought her to Science School in 2000. Her three daughters have all gone through the program and Hannah, her youngest, received her 'Lifer' certificate last summer. Like many at Science School, Kristie began as a field trip driver.

What inspired Kristie's donation of time and talent? She had made t-shirt quilts for her children and felt compelled to make one to benefit Science School. When word got around that there was a request for CSS shirts for this project, the shirts began pouring in – hence the third quilt that Kristie is making for this summer.

Collecting t-shirts for the quilts was a way to involve the community. The ubiquitous CSS t-shirts were gathered from students, volunteers and teachers alike and Kristie combined them with thoughtfully chosen fabrics featuring sea themes to match the color palettes. "I like to sew. It's easy and fun and the t-shirts are so sentimental I had to do one for Science School. I'm not a scientist. I have an enthusiasm for science, but this [quiltmaking] is one way I can give back.



Julie Child's [logo] design is timeless and these t-shirts are so special. People will flock to see you and share their CSS story if you are wearing one of these shirts outside the village of Woods Hole," comments Kristie.

Kristie has a love of sewing, crafting and recycling. She is also an avid runner. In between these pursuits and volunteering, Kristie works at Quinsigamond College in Worcester, MA as the Director of Disability Services. She recently entered a non-t-shirt quilt titled "Nobska Waves," which she made for husband Roger, in the Annual Grafton Arts and Music Festival.

Each quilt takes about 20 to 25 hours in the cutting, sewing and assembly process. This does not include time spent selecting the fabrics, which is Kristie's favorite part.

The quilt for summer 2014 is underway and features tones of copper, burgundy, tan and brown set in an historically themed fabric.

Be sure to check it out at CSS events this summer and buy your raffle tickets! The quilt drawing will be held at the Annual Meeting on Monday, August 4th.

As rich as Woods Hole is with scientists, it is also a village of artisans. Painters, potters and wood-cut artists have enriched the CSS community through teaching and/or their work displayed or sold in the schoolyard over the years, including last summer's celebrations. The talents in our volunteer community are out there in abundance and CSS welcomes all ideas and contributions. What will yours be?

-- Diane Smith

STANDING COMMITTEE CHAIRS

Archives

Dorothea Mautner
Charlotte Emans Moore

Entrance Desk

Ellie Armstrong
Cathy and Jim Galbraith

Extension Classes

Karen Dell
Charity Gray

Health & Safety

Karen L. Humphreys
Kristina Micheva

Hospitality

Susan Burke
Tricia Elichalt

Newsletter

Stacy Leff Cummings
Elizabeth Forbes Armstrong
(photos)
Diane Smith

Optics

Louis Kerr
Hanumant Singh

Scholarships

Deb Coulombe

Sustaining Fund

Julia S. Child
Joan Finkelstein
Ruth Gainer
Daisy Glazebrook
Charlotte Emans and
William D. Moore
Nancy Rosenbaum
Phil and Kim Schweizer
Lara Sloboda
Diane and Jim Smith

Transportation

Debra Laster

Trip Sites

Susan Laster

Ways and Means

Kitty Brown
Becky Connors
Ann Wilde

CSS ADMINISTRATIVE OFFICERS 2014

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Doug Jones

Assistant Administrator
Aaron Sloboda

Curriculum Chairs
Karen Dell
Christine Field

Registrar
Crickett Warner

Teaching Assistants Chair
Jane Kulesza

Website and Facebook Administrator
Aaron Sloboda

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Why I Run for Science School

For me, the Children's School of Science represents an amazing place where enthusiasm for science and teaching, discovery and learning is palpable and contagious. Like many people with ties to CSS, my relationship is essentially "lifelong." Over 30 years ago, my parents enrolled me as a student in Seashore Life and this year will mark my fifth year teaching at the school. The course I teach, Microbial Life, allows me to share with CSS students the wealth of natural wonders in and around Woods Hole like the microbial mats in the Sippewissett salt marsh with their gorgeous pigments.

My students may have been to the marsh 5 or 10 times and never really known why the mud was pink in certain places. This enlightened discovery and awareness of the natural world is central to the CSS experience.

There are many ways to give back to CSS and this year marks my fourth year as a participant on its Falmouth Road Race team that consists of people with varying ties to CSS. Like me, many are former students looking to support the mission of the school, including Kip Wiles, who was our top fundraiser in 2013.

Other runners have newer ties to CSS including my colleague Alia Qatarneh. Alia's fundraising took the form of making a t-shirt and she used a tagline I coined in response to what I thought of CSS, "It takes a village to raise a scientist." I explained this by describing how at the school, so many people carve time out of their busy lives, all for the purpose of encouraging children and teens to be curious about the world around them.



Alia's own motivation for joining the team stems from a deep commitment to science education. Alia explained "science education is intrinsically tied to breakthroughs across the sciences. CSS is a place where future scientists get their start, in an environment where questions are encouraged and learning isn't restricted to the classroom. What type of scientist would I be if I had attended CSS? Maybe if I were a CSS graduate I would have realized earlier the importance of immersing oneself in the sciences at a young age."

For me, the road race is intrinsically linked with my love of CSS. The course basically follows the 7.1 miles from the school to our family's summer home in Falmouth. The route takes me past Day's Pond where my students explore a kettle pond ecosystem and many sites that I visited on research trips as a CSS student. As I run past them, I can't help but think of the memories and be excited about the ones that have yet to be made.

We are gearing up for the 2014 NB Falmouth Road Race and CSS has five numbers available. Team members must raise a minimum of \$750 in addition to the \$150 registration fee. If you already have a number, you can still join our team by donating or fundraising a minimum of \$75. Last year runners raised nearly \$4,000 for CSS. Help us continue this great tradition and support Team CSS! For more information and to register, please email me at roadrace@childrensschoolofscience.org

-- Tara Bennett

**Run in the 42nd Annual
2014 New Balance
Falmouth Road
Race
for Children's
School of Science!**

**We'll see you
at the finish
line Sunday,
August 17!**

In Memoriam



LIZZIE STIMSON

We are deeply saddened to report that CSS lost a member of its community suddenly and far too soon on March 3, 2014. Lizzie Stimson, 18, was a Teaching Assistant at Science School in 2012 and 2013. Lizzie died of complications from a previously unknown heart condition after suffering a cardiac arrest. She was a freshman at Bard College where she was studying the creative and performing arts. In addition to the arts, Lizzie had a love of science, nature and Woods Hole, and enjoyed swimming, sailing, singing, hiking in the woods, and cross country skiing in the dark with her father, Stephen Stimson. Lizzie, a Cape Cod native, came to Science School from Falmouth Academy and assisted in Photography, Coastal Botany and Geology in 2012 and in Seashore Life and Invertebrates in Session A of 2013. Also last summer, she and her sister Annie sang together at open-mic night at Pie in the Sky, after years of working up the nerve to do so. True to her kind and generous spirit, Lizzie's organs were donated. Her mother Jill Neubauer reported via Facebook, "She is saving the lives of at least four people and someone may see again through her eyes."

Memorial donations may be sent to the Cape Cod Foundation, 259 Willow Street, Yarmouthport, MA 02675 for an Arts and Music Scholarship Fund in Lizzie's name.

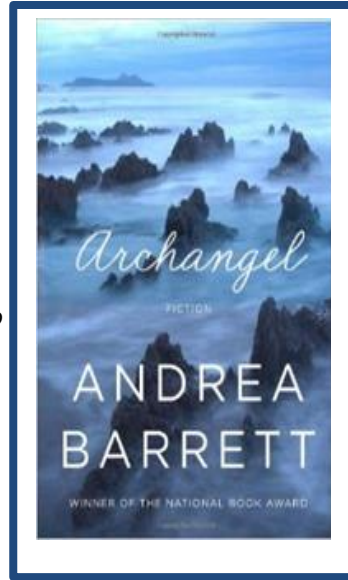
HELP WANTED

**CSS RECORDING SECRETARY NEEDED,
BEGINNING ASAP**

Ideal volunteer will attend and take minutes at all CSS Board meetings. Meetings are held during the six-week summer session on most Friday mornings beginning at 8 a.m.; one winter board meeting typically is scheduled for a Saturday in March. This position could be shared by two volunteers, either by each individual volunteering for one three-week session, or by alternating meetings. The volunteer(s) who fill this position must have computer and Internet access in order to share the minutes with the Board electronically after each meeting. Training by current Recording Secretary will be provided. If interested please email:

boardpresident@childrensschoolofscience.org

The CSS Book Club has been a summer tradition since 2009. This year, readers are invited to sample a unique blend of science and fiction with *Archangel* by Andrea Barrett. Barrett, a National Book Award winner for *Ship Fever*, gives readers another intriguing collection of stories -- this time incorporating science breakthroughs of the early 20th century.



Each of the five stories in *Archangel* is rich with facts wrapped around characters that will engage scientists and the literary alike. One story particularly pertinent to our locale features Penikese Island and Louis Agassiz. Join us for a discussion on the porch at Science School on Wednesday, July 23rd at 4 p.m. The Woods Hole Library will have copies of *Archangel* available for loan.

**On the Porch of the Historic Schoolhouse
Wednesday, July 23
4 p.m.**