Itinerary

Springwater Fieldtrip U

Dallas Abbott and Bill Menke, March 15-23, 2019

**Friday, March 15, 2019**

10:00 AM, Leave Tappan New York.

1:00 PM, Stop for lunch and gas, Charleton Plaza, Massachusetts Turnpike.

3:45 PM, We park on Hackett Road, off of Route 202 Northbound, Auburn Maine, searching for a spring listed in an old USGS catalogue. Charlie Farrell, a local resident, directs us to Spring 1, on the east of Route 202 Northbound, about 200 meters south of Hackett Road. He recalls visiting the ruins of a spring house many years ago. We hike though snow-covered woods, not finding the ruins, but visiting a seep in a gulley. We also visit Spring 2 (Site 119), in a gulley east of Route 202 Northbound, opposite Hackett Road. It has a small wooden spring house with an outflow at its base.

3:45 PM, We park and the end of Everett Road in Auburn Maine, searching for a spring listed in an old USGS catalogue. A stream flows into Taylor Pond just south of the end of the road. We do not find the spring.

5:00 PM, We have dinner with Maude and Ed Abbott at their home in Auburn Maine. Later, we check into the Motel 6 (516 Pleasant Street) in Lewiston Maine for the night.

**Saturday, March 16, 2019**

8:00 AM, We view the Androscoggin River from Lincoln Street in Lewiston Maine.

8:30 AM, We purchase groceries at the Hannaford Supermarket (Spring Street, Auburn Maine).

9:00 AM, We have breakfast with Maude and Ed Abbott at their home in Auburn Maine.

10:00 AM, We drive to the north end of Whitman Spring Road, Auburn Maine and walk that road, now a pedestrian path, south along the shore of Lake Auburn. The road passes a peninsula on which the ruined foundation of the old Lake Auburn Hotel stands. We walked the road to the south end of the peninsula and then walked the lakeshore back north. Although most of Lake Auburn is ice-covered, we passed a spot along the shore made ice-free by spring activity. We found a large seep, with outflow draining into the lake, a hundred yards of so from the ice-free spot. Two four-inch cast iron well pipes, now cemented shut, are nearby, suggesting that this is the site of the historic spring (Spring 3, Site 120). After examining the spring, I continued north, following the lakeshore, while Dallas took the road. I passed a small stone bridge over a stream, small stone foundation, and a little further north, another small seep (Spring 4). Dallas and I met up at the north end of the peninsula, where the shore is once again close to the road.

2:00 PM, Dallas and I attend Maude Abbott’s 99th Birthday Party at Maude’s house in Auburn Maine.

5:00 PM, Dallas and I check into the Inn at St John (39 Congress Street, 207-773-6481) Portland, Maine. We walk over to the Holiday Inn Portland-by-the-Bay (88 Spring Street, Portland Maine, 207-775-2311) and attend the Icebreaker for the Northeast Section Meeting of the Geological Society of America.

**Sunday, March 17, 2019**

Dallas and I attend the GSA Meeting. I have lunch at Otto Pizzeria (576 Congress Street). We stay the night at the Inn at St John.

**Monday, March 18, 2019**

Dallas and I attend the GSA Meeting. I had lunch at Wild Burritos (581 Congress Street). In the afternoon, we each give an Oral Presentation at Session T16: Insights on the Ongoing Dynamics of Northeastern North America from Geology and Geophysics (William Menke, Paul Karabinos, Vadim Levin and Michael L. Williams, Advocates):

THE INFLUENCE OF MANTLE UPWELLING AT THE PASSIVE CONTINENTAL MARGIN OF EASTERN NORTH AMERICA ON THE CRUST, William Menke, Dallas Abbott and Vadim Levin.

THERMAL AND HALF THERMAL SPRINGS IN THE NORTHEASTERN US-RELATIONSHIP TO LOCAL TECTONICS AND THE NAA (NORTH APPALACHIAN ANOMALY, Dallas Abbott and William Menke.

In the evening, Dallas, several other scientists and I had dinner at Gritty McDuffs (396 Fore Street), a bar near the waterfront.

We spent the night at the Inn at St John’s.

**Tuesday, March 19, 2019.**

8:00 AM, After checking out of the Inn at St John’s, Dallas and I attend the morning session of the GSA.

11:50 AM, Dallas and I downloaded the seismometer at Seahaven Cottage at Auburn Colony, Harpswell Maine onto my notebook computer. While the disk was backing up, we walked down Route 123 and viewed Casco Bay and its many islands. Along the way, we dropped by the house of Ruth Weeks, who lives near Potts Point.

3:00 PM, We looked for a spring in Minot Maine that was listed in an old USGS catalogue, but did not find it. We stopped briefly to view along Route 11 in Poland Maine to view the Little Androscoggin River.

5:00 PM, In the evening, we checked in to the Motel 6 in Lewiston Maine, once again. We purchased groceries at the Hannaford Supermarket in Auburn and again had dinner with Maude and Ed Abbott at their house.

**Wednesday, March 20, 2019.**

Dr. Harriet Robinson, archeologist and classmate of Dallas’, joined us for the day.

We had breakfast with Maude and Ed Abbott at their house in Auburn Maine.

We met Harriet at her home, Little Pond Farm, on Bow Street in Otisfield Maine. It is on a ridge that commands a great view of Mt Washington, to the west.

10:10 AM, We revisited Waterford Spring (Spring 5, Site 87, also Site 121), along Waterford Road, Waterford Maine. This spring is behind the Knights of Pythias building and across from now-defunct Kimball’s Hardware and Building Supply.

11:00 AM, We revisited Greenwood Road Spring (Spring 6, Site 86, also Site 122), on the west side of Greenwood Road near the Richardson Hollow Road intersection.

11:20 AM, We found a new spring, the Twitchell Pond Spring (Spring 7, Site 123), along Greenwood Road in front of a residential house and opposite Twitchell Pond in Greenwood Maine. The stream outflow is a four-inch white plastic pipe with strands of green algae hanging from it. A well head protrudes from the snow between the road and house. Directly across the pond is an impressively-tall cliff face.

11:45 AM, We revisited Lake Christopher Spring (Spring 8, Site 85, also Site 124), North Main Street (Route 26), Woodstock Maine. We met and chatted with a local resident about our geological studies.

12:30, We had coffee with Harriet at Little Pond Farm. Before saying goodbye, Harriet showed us her chickens.

1:00 PM, We caught up on some paperwork, working at Maude and Ed’s Abbott house in Auburn (which has internet). We had dinner there, too.

8:00 PM, We stayed the night at the Motel 6 in Lewiston.

**Thursday, March 21, 2019**

8:00 AM, We had breakfast with Maude and Ed Abbott at their house in Auburn Maine.

9:30 AM, Spring Hill Road Spring, (Spring 9, Site 125), Spring Hill Road, Mt Vernon Maine. The outflow of this spring is a one-inch black plastic pipe on the uphill, northwestern side of the road. The spring house is located 20 meters on the gently sloping side of the hill. It is a small, rectangular wooden enclosure, set into the ground and covered with old shingles. A small stream flows along the other side of the road.

We were delayed getting from this spring to the next one, for the road we had planned to take was closed for winter.

10:25 AM, Vienna Pond Spring (Spring 10, Site 126), Kimball Pond Road, Vienna Maine. This spring has a large but low concrete block spring house on a patch of land with tall conifer trees that is enclosed by a chain link fence. A sign reads, “Vienna Village Spring, Established for Public Use in 1886, Owned and Maintained by the Vienna Historical Society, Donations Appreciated”.

12:15 PM, We stopped briefly to view the Damariscotta River, as seen from the Route 1 Highway Bridge, in Damariscotta-Newcastle Maine.

12:30 PM, We stopped briefly to view the Pemaquid River from the Canoe and Kayak Launch on Bristol Road, Bristol Maine.

12:35 PM, Bristol Town Spring (Spring 11, Site 127), Bristol Road, Bristol Maine. A large concrete trough with a brass faucet sits by the side of the road. A sign reads, "This trough placed here in 1914 in memory of John N Drummond, Edward A Drummond, Albert Drummond". The faucet was not working. Two rectangular concrete spring houses sit in a shallow gulley in a low hill about 50 meters southwest of the trough. I opened the lid of one and extracted a bucket of water. One spring house apparently connects to a black plastic outflow pipe situated near the trough, but the pipe was not flowing. A large vigorous stream is across the street from the spring.

5:00 PM, We had dinner at Maude and Ed’s Abbott house in Auburn. We stayed the night at the Motel 6 in Lewiston.

**Friday, March 22, 2019**

8:00 AM, We check out of the Motel 6 and had breakfast with Maude and Ed Abbott at their house in Auburn Maine. Light rain is falling.

12:10 PM, We revisited the “spring” (really a valved pipe, Site 59) on the roadside in a small park on Main Street (Route 28a), Alton, New Hampshire. The spigot has been removed for the winter. We donned our micro-spikes and walked the Alton Water Works access road to the pump house. We sampled the water from a working spigot on the side of the pump house (Spring 12). We also climbed down to a seep (Spring 13) in a swamp below the access road. Aquatic plants were growing in it.

12:40 PM, We stop at Downings Landing, off of Route 11, Alton New Hampshire, on the shore of Alton Bay, the narrow southern arm of Lake Winnipesaukee. I noticed two cylindrical spring houses beside the lakeshore (Spring 14). I opened the lid of one and measured its temperature, concluding that it mostly contains meltwater.

12:50 PM, Dallas spots a buisness with sign labeled “Mineral Spring Carriage House” along Lake Shore Road (Route 11) in Gilford New Hampshire. We stopped and ask the proprietor whether a spring is located nearby, and he said that one may be located in the woods behind the building; we are welcome to look for it. We hike around a small stream that parallels Lake Shore Road, but set back a few hundred yards from it. The snow is deep and we are not able to locate a spring (though we find a low-volume seep directly behind the business).

3:00 PM, We try to find the spring that Gigi Estes spotted near a stream crossing along Route 49, just east of the Tripoli Road intersection by the Waterville Valley Ski Resort. The area has been torn up by bridge construction and we find nothing.

4:00 PM, We purchase gas at the Irving on Holderness Road near the Interstate 93 Exit. We also stop at the Chase Street Market (83 Main Street) in Plymouth New Hampshire for food. We then drive over to the home of Gigi and Paul Estes (two members of the Plymouth Conservation Commission), have dinner with them and stay the night.

**Saturday, March 22, 2019**

8:00 AM, We have breakfast at Gigi and Paul Estes’ house in Plymouth New Hampshire.

9:45 AM, We stop briefly in Franconia New Hampshire. This area of the White Mountains experienced snow yesterday and not the rain that fell at lower elevations. The trees are dusted white and very beautiful.

10:00 AM, We meet two local residents, Marilyn Johnson and Christopher Johnson on Lewis Hill Road in Bethlehem New Hampshire. They guide us on a quarter-mile snowshoe through the woods to Great Spring (Spring 15, Site 128). The spring consists of a pool about fifteen meters across. One side, below a steep bank is ice-free from spring activity; the opposite side has an ice-free outflow stream full of aquatic plants; the rest is iced-over. An abandoned public water supply shed containing old pumps and a tank is located nearby. Marilyn tells us that “Crystal Spring” is another local name for this spring.

11:15 AM, We revisit Gilmanton Hill Road Spring (Spring 16, Site 115), Gilmanton Hill Road (Old Franconia Road), Bethlehem New Hampshire. It consists of a black plastic outflow pipe beside a large boulder, on the west side of the road. The snow is deep, so I cannot tell from whence the pipe originates.

11:30 AM, We drive Interstate 93 north to St Johnsbury Vermont, connect with Interstate 91, and take it south. We stop for gas and a snack at the Irving / Circle K on Route 5 in Deerfield Massachusetts at Exit 24.

5:15 PM, Arrive in Tappan New York.