For the fourth year the Canal Society is honored to be able to partner with the New Jersey Division of Parks & Forestry and the Department of Environmental Protection to co-sponsor Waterloo Canal Day, opening our treasured Waterloo Village for the day for the public’s enjoyment, free of charge!

The Canal Society of New Jersey’s 15th Annual Waterloo Canal Day will be held on Saturday, June 26th between the hours of 10 a.m. and 5 p.m. In the event of heavy rain on that day, Canal Day will be held the next day on Sunday, June 27th at the same time and with the same participants. This year’s Canal Day has many attractions to highlight the fascinating heritage of the Morris Canal, which gave birth to the historic canal town of Waterloo and promoted its growth.

Canal boat captain John Hummel will once again be spinning his yarns about life laboring on the canals in the good old days and our pontoon boat and crew will be providing boat rides for the public on the village’s section of the Morris Canal. Live period music will help cast the spell of the canal era.

Guided Walking Tours Will Be Offered

Guided walking tours of the canal sites and the village will be offered throughout the day for the public and the Society’s New Jersey Canal Museum will provide its many exhibits and video presentations for the public’s edification. A Canal Society display and sales table will offer books on canal history and other items for purchase by the public and other historical groups will be exhibiting their wares.

Once again this year the Smith Store and the Rutan Cabin will be open for public tours. The general store is the best-preserved Morris Canal store and offers a fascinating picture of a mercan-

(Continued on page 2)
Waterloo Canal Day 2010

(Continued from page 1)

of logs, has even more period furnishings to help illustrate the primitive era of a rural farmstead at the time of the Morris Canal’s original construction. Society guides will explain the lifeways at that period and will show the various implements that were an everyday part of living in the early 19th century.

Meetings

(Continued from page 1)

featured canal stores or mills that were commercially related to the canal. One of the best-preserved Morris Canal planes is located within Canal Park in Ledgewood; one of the very best-preserved Morris Canal stores is the King Store, also in Ledgewood. A few years ago the Canal Society and Roxbury Township partnered to preserve the historic Riggs property, containing part of the site of Lock 1 East and a portion of the Riggs farm. Tonight’s presentation will feature the many historic Morris Canal sites in Roxbury Township and also the new photographic and camera exhibit currently being presented at the historic King Homestead in Ledgewood. Many of the featured views in the exhibit have never been seen before by the general public!

Richard Cramond is a member of the Canal Society and a dedicated worker on the Society’s Morris Canal Greenway Committee. His extensive activities with preservation efforts in the Township, and on the Greenway in particular, have been extremely important to promoting the Greenway concept and preservation of the Morris Canal.

Directions to the Morris County Cultural Center

From the Morristown Green, turn right onto Washington St (County Route 510, formerly NJ Route 24). Travel 3.5 miles west toward Chester. Pass the roads to the Delbarton School and Lewis Morris County Park on the left. After the curve and long white picket fence, look for a sign for the MUA on the right, pointing toward the driveway, which is marked by a street light and lighted directional sign. Make a sharp left turn and drive uphill to a Spanish-style stucco building at the top. Parking is in the lot to the left at the top of the hill. Once inside the main entrance hall of the Cultural Center, the auditorium is to the left. Restrooms are upstairs, with elevator access.

From Route 287 South, take Exit 35, Madison Ave. Turn right at the top of the ramp onto Madison Ave (Route 124). Bear right at the next light onto South Street, continue straight through a series of traffic lights and around the Morristown Green. Turn right onto Washington St. (County Route 510, formerly Route 24). Continue as described above.

From Route 287 North, take Exit 35, South Street/Madison Ave. At the end of the ramp, turn left onto South St, continue straight through several lights and travel around the Morristown Green. Turn right onto Washington St, (County Route 510, formerly Route 24). Continue as described above.

Learn About Waterloo’s Railroad and Iron Heritage

Other special exhibits will feature the Morris Canal Greenway in nearby counties and the railroad and iron heritage of Waterloo. Iron ore shipping was a major component of the Morris Canal’s commerce for many years with Waterloo serving as an important point of ore transshipment.

The annual Canal Photo Contest will also be featured throughout the day. Any amateur photographer is eligible to enter. We also plan on (Continued on page 3)
A new group has been formed as the Friends of Waterloo. Comprised of local municipal and Sussex County officials, professionals and concerned citizens, the organization is hoping to be able to attract funding to help the State make repairs to Waterloo’s historic buildings. Substantial work must be done before the majority of the buildings can be reopened. The Friends group has been closely coordinating with State Park officials and hopes to have a public information session in the near future. An influx of funding for Waterloo would be greatly welcomed, especially in these times of State budget austerity.

**Update on Waterloo**

During the past winter and now into the spring the State has been funding an extensive roof repair job on the Canal Society’s New Jersey Canal Museum at Waterloo. The roof had become quite deteriorated with loose slates; rotted out built-in gutters, eaves and rafter ends; and tilting chimneys with missing and deteriorated flashing. Slates have been reinstalled, rafter ends repaired, eaves and soffits rebuilt and new copper-lined, built-in gutters installed. Chimneys have been repointed and rebuilt with new copper flashing installed. The contractor will next work on the front and back porch roofs. All in all the work looks terrific and came just in time to prevent major leaking into the building interior!

**School Field Trips Resume at the Village**

Commencing in mid-April school class field trips resumed at Waterloo, under the direction of State Park Superintendent Helen Maurella. Several meetings were held over the winter to plan for the trips, followed by training sessions for paid guides and volunteers. Currently over 50 school groups have booked field trips which are scheduled to extend for about 2 1/2 hours. Schoolchildren are visiting the Lenape Village, the Rutan Cabin, Smith Store and receive a brief overview about the overall village as they are led in between the major tour sites. Classes are invited to stay and eat their bag lunches at the picnic grove and are provided with tours of our Canal Museum if they have time. The Society has been helping to provide canal information for tour programs and tour guides and has prepared Smith Store for the new influx of visiting schoolchildren. A number of loaned items are helping to supplement the store exhibit, creating an improved appearance of a 19th-century mercantile establishment. Society volunteers are also helping to cleanup some of the grounds and gardens and to organize the blacksmith shop so that it can be opened for interpretation in the near future. All reports indicate that the school field trips are running smoothly and are being well received by schoolchildren and teachers alike. This is exciting news for Waterloo and we hope it is just the beginning of good things to come!

**Upcoming Repairs at the Village**

The State is preparing to solicit contracts for conducting major repair work on the Meeting House, replacing the roof and correcting many code violations in preparation for the building to be leased to a caterer. The intent is for wedding receptions to be held there once again in addition to corporate receptions and other special events. The operation of such a catering facility will greatly increase public presence at the village.

**New Friends Group Formed**

For the fourth year the Canal Society is partnering with the New Jersey Department of Environmental Protection and the State Park Service to sponsor Canal Heritage Days at Waterloo. These days will be held two Saturdays per month from July through October. On these days the grounds of the village will be open to the public, guided tours will be offered of the village and the canal, our New Jersey Canal Museum will be open, and on most of the dates our boat ride on the canal will be offered. In addition, we anticipate having occasional special presentations on various aspects of Waterloo’s history and related topics as well as special exhibits and craft demonstrations. The Smith Store, Rutan Cabin and Blacksmith Shop will be open for interpretation; Indian Island will be open for many of the Heritage Days. The Society continues to work with the State to be able to make other buildings in the village available to the public in the future.

This year’s Waterloo Canal Heritage Days will be held on July 10 and 24, August 14 and 28, September 11 and 25 and October 9 and 23. All of these dates are Saturdays during which the village will be open to the public from 11 a.m. to 5 p.m. free of charge. Our goal is to offer the public an opportunity to experience the unique canal heritage of Waterloo, despite the closure of the site for building tours and other programs. As in previous years, we are counting on our membership to volunteer to help staff these Canal Heritage Days. We need staffing for our Canal Museum,
**Franklin Township**

The Highlands Project has been constructing a full-size deck of a Morris Canal hinged boat, along with a cabin for the crew, as part of the Bread Lock Park site. When complete, this exhibit will enable the public to fully appreciate the large size of the canal boats and what it would have been like to pilot such a vessel through the narrow Morris Canal.

**Hackettstown, Mansfield Township, Washington Township, Washington Borough and Franklin Township**

A team of representatives from the above-listed municipalities, the Warren County Morris Canal Committee, Hunterdon County Parks and a representative from the Canal Society have been working with Heritage Conservancy and NJDOT on a management plan for the Route 57 Scenic Byway corridor in Warren County. The Byway includes sections of the Morris Canal and many other historic, scenic and recreational attractions that could greatly enhance tourism in the county. The development of the Management Plan is well advanced and there is hope for some future funding to further improve canal-related attractions.

**Hackettstown/Allamuchy Township**

State Parks has completed acquisition of a vast tract of land on the Hackettstown and Allamuchy border near Saxton Falls. This land had previously belonged to Chevron and contains a well-preserved section of the Morris Canal and a lime kiln ruin on the edge of the canal. The addition of this land creates a continuous connection of Morris Canal Greenway from Saxton Falls to Hacketstown. The Highlands Project has been clearing the dense vegetation that had covered the towpath alignment, opening up the canal site for public recreation and interpretation.

**Roxbury Township**

The Township has recently applied to Morris County for historic preservation funding to conduct a phase two of repairs at Plane 2 East in Ledgewood’s Canal Park. If funded the project will install solar-powered lighting to illuminate the subterranean turbine chamber, reseat the stone block bases for flume supports and repair stone walls along the edges of the tailrace and bypass channels.

**Passaic County**

The Passaic County Planning Department has applied for smart growth planning funding to design a Morris Canal Greenway across the entire county. This Greenway would include the site of the Pompton Feeder, in addition to the alignment of the main canal. The County is using the Canal Society’s Greenway Plan for Morris County as a guiding template and desires to align its greenway plans to connect with Morris County’s portion of the canal. This is extremely exciting news and we look forward to coordinating with the County and this most worthwhile project.

**Eagle Scout Project Clears Section of Morris Canal Greenway**

Boy Scout Aaron Hussa has recently received his Eagle Award for his project to reclaim a section of the Morris Canal in Denville. Aaron is the son of Society Board Member, Joyce Hussa and Denville Mayor Ted Hussa. The project entailed clearing and improving approximately a quarter mile of Morris Canal towpath extending from Diamond Spring Road toward Cedar Lake Road. This property was long the target for acquisition for the Morris Canal Greenway and was successfully purchased through a partnership between Denville and the Morris County Park Commission. The site contains a scenic section of canal extending through wooded wetlands and sometimes the canal bed contains runoff water. Aaron’s project cleared dense vegetation and briars along the towpath, applied wood chips and installed benches for weary hikers. The project is a wonderful addition to the Greenway and we congratulate Aaron and his parents for a job well done!
**Late Breaking News**

Former Canal Society President, Bill Moss has recently suffered a slight stroke, but is now at home. We encourage members to send him a card at 102 Heath Village, Hackettstown, NJ 07840. We extend our best wishes to Bill for a quick recovery!

Long time Canal Society member, Elliot Hunt has recently passed away at age 81. Elliot participated on numerous Society trips and helped at many of our events, including at Waterloo Canal Day. He will be missed and we extend our sincere sympathy to his family on their loss. 

---

**Waterloo Canal Day**

*(Continued from page 2)*

having a photo exhibit documenting present-day scenes along the Morris Canal’s former alignment.

Our 15th Annual Waterloo Canal Day is an event you won’t want to miss! It’s a great occasion to enjoy the serenity of Waterloo Village, steep in its history and to demonstrate to the State of New Jersey that we cherish our State Parks and that they must remain open and available for the public’s enjoyment!

**Volunteer Help Greatly Appreciated!**

Many volunteers are necessary to make Waterloo Canal Day a great success! If you are able to help us on Canal Day, please contact the Society at 908-832-2888 to offer your services. We greatly appreciate your help and are confident that you will have a great day!

**Membership Picnic a Delectable Treat!**

Once again, the Waterloo United Methodist Church will be catering the Canal Society’s annual picnic at Waterloo Village. The picnic will be held at 6 p.m. and will feature all you can eat portions of baked pastas, salad, fresh fruit salad, Italian pastries and a beverage!

The annual member picnic is a great way to relax and enjoy the company of other members after a very busy but rewarding day. This year’s picnic will cost $22 per person. Advance registrations are required and can be made by contacting Canal Day Chair Mark Hamill at 908-561-1250. We ask that reservations be made by June 21st.

---

**Canal Heritage Days**

*(Continued from page 3)*

to lead tours of the village and canal sites, to help with operating our pontoon boat, provide interpretation in the Smith Store and Rutan Cabin, and to greet people at the entrance gate. Individuals interested in volunteering should contact Phyllis Stanaback at 908-832-2888.

Canal Heritage Days are a wonderful opportunity to enjoy the picturesque setting of Waterloo Village while bringing the Morris Canal to life for the visiting public. During past years we have met the most interesting people on these days, including a blacksmith, a university professor whose divers have discovered a sunken Morris Canal boat in the Hudson River and a descendant of the Waterloo plane tender! It is always a fun and worthwhile experience! We look forward to seeing you there!

---

**Map of the Morris Canal**

Large full color map of the route of the Morris Canal. This is a high quality rendition suitable for framing. 12" X 29" printed on heavy paper.

**$20.00 Each (For Mail order sales please add $3.50 for shipping & handling.)**

**Artist Life in the Highlands & Among the Nail Makers**

This republication of two articles from Harper’s New Monthly Magazine, 1859, is a must-have for canal and local history fans. The original text and engraved illustrations have been carefully reproduced and supplemented with an introduction and foldout map by historian Bob Goller.

**$7.50 Each (For Mail order sales please add $2.50 for shipping & handling.)**

**End of the Year BLOW OUT SALE**

**Preserve Waterloo 1-Shirt Closeout Sale**

Tan T-Shirts with blue lettering with a picture of a canal boat and Smith’s Store.

**$6.00 Each (Size large only) For Mail order sales please add $3.50 for shipping & handling.**

These items and many more are available for sale at our regularly scheduled Membership Meetings or by contacting THE CANAL STORE at macgraphics1@verizon.net. Shipping costs will be extra.
Waterpowered industrial complexes existed adjacent to many of the Morris Canal’s inclined planes during the years of the canal’s operation. Typically these mills were present prior to the construction of the Morris Canal, situated on pre-existing watercourses and utilizing the flow to power their waterwheels and turbines. After the canal was completed many of the concerns took advantage of the new waterway as a means of transporting both raw materials and finished products. In some instances, the millowners negotiated water privilege agreements with the canal company. These agreements enabled the industries to supplement their waterpower resources with additional water supply from the canal, especially at times when stream flows were low.

In a few locations industrial complexes developed at Morris Canal planes where no previous natural source of water for power had existed. Plane 10 East on the Montville Township/Lincoln Park Borough border is such an example. Small industrial operations developed at Plane 10 East during the second half of the 19th century and included the Francisco sawmill-gristmill, the Louis Elsberg & Company Peat Factory and the Brunnen & Kenedy Dye Works.

The longest lived of these concerns was the Francisco sawmill-gristmill, which appears to have been founded by David Benjamin between 1845-50. Benjamin owned considerable adjacent acreage in what is now Lincoln Park, specifically encompassing much of what had been the Terhune farm along present-day Route 202. The mill tapped into the canal plane’s bypass channel that carried water from the head to the foot of the plane when the plane was not in operation. Flow from the bypass channel was fed into the mill’s holding pond and subsequently into the raceway that carried water to the mill’s turbine. The US industrial census for 1850 indicates that the Benjamin sawmill was annually producing 40,000 feet of sawed lumber worth $4,500.

The sawmill was sold to Thomas Sindle and George W. Francisco in 1855 and two years later the water privilege for the mill was formally granted by the Morris Canal & Banking Company to Sindle and Francisco as a recorded deed. The water continued to be delivered to the mill via the plane bypass channel. In 1858 Francisco became the sole owner of the mill and continued as such for the next 40 years. Census records and maps of the period indicate that he added a gristmill to the sawmill operation and that he was a sawyer and grain miller until nearly the end of the 19th century.

Another industrial complex at Plane 10 East was the Louis Elsberg & Company Peat Factory, an operation that seems to have lasted only a few years in the late 1860s. Purchasing approximately 190 acres at and adjacent to Plane 10 East, the company’s property included extensive acreage of the Bog and Fly Meadows, the site for a peat factory and an area where a mule-powered railroad was constructed to transport peat from the meadow to the processing plant. For a short time the processed peat was presumably shipped on the Morris Canal.

The use of peat for fuel became attractive for a brief time during the late 19th century since New Jersey peat bogs were plentiful and the price of coal had risen. Peat was mined by digging ditches in a bog to drain off excess water. Sod and muck were then removed from the surface. The peat below was cut, using long thin spades, into turf blocks of about 4 to 5 inches square and 12 to 16 inches long. The cut blocks were then pulled out and hauled to a meadow for drying. Once dry, the turf was ready for use, but was bulky and hard to transport. Dr. Louis Elsberg of New York City patented a machine to compact peat so it would stand up to handling and transportation. In his operation sod was stripped from peat, the peat allowed to dry in the sun, and the peat bricks were then taken and compressed into hard, smooth blocks that would not crumble during transportation. The resulting
blocks of peat sold for fuel in 1868 for between $3 to $5 a ton. At that time peat’s value for heating was about one-half that of anthracite coal and just less than an equal amount of hard wood. Peat was particularly efficient for producing steam. It provided a long-lasting fire with diffused heat around a boiler without producing soot. Peat from the Bog and Fly Meadows was a particularly useful fuel. It was 69.80% combustible material and when burned produced only 3.40% ash.

Construction of the Boonton Branch of the DL&WRR next to Plane 10 East in about 1870 severed the mule railroad leading between the bogs and the peat plant and may in fact have encroached on the peat factory itself. The decrease in the price of coal at the same time appears to have led to the quick demise of the Louis Elsberg operation at Plane 10 East. No visible aboveground vestiges of the works survive.

The Brunnen & Kenedy Dye Works was located between the foot of Plane 10 East and the Boonton Branch of the DL&WRR. Virtually no documentary record of this concern has been found to date, except for a notation on the Morris Canal & Banking Company’s Weir map, which shows a building or two associated with the company. Today, two foundations can be found in the vicinity of the reputed site of the concern, in addition to a round brick cistern. It is not known how long this company operated by the base of the canal plane.

Presently, extensive archeological remains of Plane 10 East survive on the Montville Township/Lincoln Park border. However, the most visible remnants are of the Francisco sawmill-gristmill. Clearly evident are the plane bypass channel leading to the mill holding pond, the empty pond itself, the stone-faced dam, the raceway, the foundation and wheelpit of the mill and the tailrace channel. Fortunately the bulk of these remains are under the public ownership of Lincoln Park Borough. The millsite, in addition to the extensive adjacent remains of the Morris Canal, offer outstanding potential for a future Morris Canal Park!

The Canal Society was saddened to learn of the passing of Johanna Lamson, who was one of the Society’s early members and also a Board Member. Born in Cooperstown, NY she later lived in New York City, attending Hunter College and Columbia University’s Teachers College. While working at Riverside Church she assisted choir members get into their robes, including a then young Burl Ives. A very accomplished swimmer, Johanna won trophies for diving and taught swimming at several YMCAs and Y camps. Relocating with her husband, William to West Caldwell in 1946, Johanna began teaching second and fourth grades in the elementary schools, retiring from teaching in 1979. Very active Canal Society members, both Johanna and William Lamson participated in many Society functions and went on most of the organization’s European canal trips in the 1970s, 80s and 90s. Johanna’s last Canal Society European trip was in 1996 when she joined her son and daughter and their spouses in boating on the Warwickshire Ring. We extend our sincere condolences to Johanna’s family upon her passing on February 6, 2010.

The family thoughtfully designated the Canal Society as the recipient of memorial gifts from Johanna’s family and friends. A total of $370 has been received from the following individuals and organizations:

- Almond School Faculty
  Los Altos, CA
- Almond School:
  Fontana Family, Lee Family,
  Labuda Family, Brandeau Family,
  Semple Family, Hu Family,
  Fina Family
- Caldwell Chapter No 61 Order
  of the Eastern Star of New Jersey
- Margaret Gruenz
- Phyllis Haefner
- Bill Moss
- Mr. and Mrs. William Payne
- Peter and Laurie Stricker
- Elwood Walker

Canal Society Officers, Board Members and general members were shocked and saddened to learn that Gisela (Gisele) Drennan passed away on February 4, 2010. Both Gisela and her husband John have been extremely devoted members of the Society for an extended period of time, serving on many committees, working at many of our events, enjoying many trips, assembling many newsletter and other mailings, serving on the Nominating Committee and serving on the Board. Gisela continued to serve on our Board until about a year ago. She was born in Co-

burg, Germany in 1933, coming to this country in 1953. Once in the US she married her first husband and together they operated a roofing business. Her husband died in 1983 and Gisela subsequently worked for the law firm of Schwartz, Tobia and Stanziale. She was an accomplished cook, seamstress, and volunteered for many organizations. In August 1994 she and John Drennan were married and enjoyed extensive world traveling, visiting all seven continents, some repeatedly. The Society extends its sincere condolences to John and the family.
Relocating Canal Society Collection

Canal Society budget constraints necessitated the removal of its collection from a storage facility at Phillipsburg’s Union Station Headquarters to a much smaller, consolidated storage facility just outside of Hackettstown. Concerted efforts of a number of Society members made this move possible. Work occurred on selected weekends during November through January. We wish to express great appreciation to the following individuals who helped with what at times seemed to be a herculean task to move files, books, artifacts and office furniture: Mike Adams, Bob Bodenstein, Aaron Hussa, Joyce Hussa, Judy Keith, Joe Macasek, Brian Morrell, Bill Pegg, Harry Resigno, and Laura Szwak. The Highlands Project was a terrific help with moving the heavy map files and other large items. All the stored items were out of the Phillipsburg location by the end of January. The move will save the Society $4,000 to $5,000 a year in rental fees.

Calendar of Events

<table>
<thead>
<tr>
<th>Friday</th>
<th>May 21</th>
<th>Membership Meeting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7:30 p.m.</td>
<td>Morris County Cultural Center</td>
</tr>
<tr>
<td>Saturday</td>
<td>June 26</td>
<td>Waterloo Canal Day</td>
</tr>
<tr>
<td></td>
<td>10:00 a.m. – 5:00 p.m.</td>
<td>Rain Date June 27</td>
</tr>
<tr>
<td>Saturdays</td>
<td>July 10, 24</td>
<td>Waterloo Canal Heritage Days</td>
</tr>
<tr>
<td></td>
<td>Aug 14, 28</td>
<td>11 a.m. – 5 p.m.</td>
</tr>
<tr>
<td></td>
<td>Sept 11, 25</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Oct 9, 23</td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>August 21</td>
<td>Wharton Canal Day</td>
</tr>
<tr>
<td></td>
<td>10 a.m. – 5 p.m.</td>
<td>Hugh Force Park, Wharton</td>
</tr>
</tbody>
</table>

www.CanalSocietyNJ.org  nj-cnal@googlegroups.com

The Canal Society’s storage unit near Hackettstown is housing most of the collection items that were relocated from Phillipsburg.

Upcoming Meetings will be available at Waterloo Canal Days 2010

Canal Society of New Jersey

The Canal Society’s storage unit near Hackettstown is housing most of the collection items that were relocated from Phillipsburg.