

PROGRAM AND ACTIVITY INFORMATION FOR VISITORS/SUMMER 2000

GATEWAY

NATIONAL RECREATION AREA





FLOYD BENNETT FIELD BROOKLYN, NY (718) 338-3799	Subway: IRT #2 (also #5 at rush hours) to Flatbush Avenue. Take Q35 bus to park. Ask driver to let you off at the main entrance.	Bus: Connect with Q35 Green Bus Lines on Flatbush Avenue at the corner of Nostrand, Kings Highway, Fillmore Ave. or Avenue U (Kings Plaza). Ask the driver to let you off at the main entrance.	Auto: Belt Parkway to Exit 11S; take Flatbush Avenue south to the main entrance.
JACOB RIIS PARK/ FORT TILDEN QUEENS, NY (718) 318-4300	Subway: IRT #2 (also #5 at rush hours) to Flatbush Avenue. Take Q35 bus to the park. Other route: IND A or S to Rockaway Park then Q35 or Q22 bus to the park.	Bus: Connect with Q35 Green Bus Lines on Flatbush Avenue at the corner of Nostrand, Kings Highway, Fillmore Ave. or Avenue U (Kings Plaza). After the bridge, ask driver to let you off at either Ft. Tilden or Riis Park. Alternate: Q21 or Q53 to Beach 116th Street, then Q22 or Q35 to the park.	Auto: Belt Parkway to Exit 11S, then Flatbush Avenue south across the Marine Parkway Bridge to the park. Alternate: Woodhaven Boulevard to Cross Bay Boulevard then west on Beach Channel Drive to the park.
CANARSIE PIER BROOKLYN, NY (718) 763-2202	Mass transit: BMT L subway to Rockaway Parkway, then transfer (free) to the B42 bus to the entrance of the pier.		Auto: Belt Parkway to Exit 13, Rockaway Parkway.
JAMAICA BAY WILDLIFE REFUGE QUEENS, NY (718) 318-4340	Subway: IND A to Broad Channel Station. Proceed by walking on Noel Road to Cross Bay Boulevard, turn right and walk about three quarters of a mile to the Refuge Visitor Center	Bus: Green Bus Line Q21 from Liberty Avenue (Queens) or 116th Street (Rockaway) to the Refuge; or the Q53 Triboro express bus from 61st Street & Roosevelt Avenue (Queens) to the refuge.	Auto: Belt Parkway to Exit 17, Cross Bay Boulevard. Proceed south on Cross Bay Boulevard across the North Channel Bridge. The refuge visitor center is about 1 mile past the bridge at the traffic light.
MILLER FIELD STATEN ISLAND, NY (718) 351-6970	Train: SIRT at Staten Island Ferry Terminal to New Dorp Station, then S76 bus to Miller Field.	Bus: S76 from Staten Island Ferry Terminal to New Dorp Lane and entrance to Miller Field.	Auto: Miller Field and Great Kills Park: Verrazano Narrows Bridge from Brooklyn or the Goethals Bridge from New Jersey to the Staten Island Expressway (Rt. 278;) take the Hylan Boulevard exit. Proceed south on Hylan Boulevard and turn east on New Dorp Lane for Miller Field, or proceed further south on Hylan Boulevard to the Great Kills Park entrance.
GREAT KILLS PARK (718) 987-6790	Train: Not available	Bus: S78 from Staten Island Ferry Terminal or the S79 from 95th Street at 4th Avenue, Brooklyn to the park entrance.	
FORT WADSWORTH STATEN ISLAND, NY (718) 354-4500	Train: Not available	Bus: S51 from Staten Island Ferry Terminal to the park entrance on Bay Street.	Auto: Verrazano Narrows Bridge from Brooklyn: after toll, take the Bay Street exit to the park entrance; or Staten Island Expressway (Rt. 278) east to the Bay Street exit. Turn left at the light and follow this road to Bay Street and the park entrance.
SANDY HOOK NEW JERSEY (732) 872-5970	Train: New Jersey Transit's North Coast Line to Red Bank, then NJT M24 bus to Highlands. Telephone NJT at (800) 772-2222 (NJ only) or (973) 762-5100 for schedule info.	Bus: N.J.-New Jersey Transit M24 bus stops at the park entrance. Telephone NJT at (800) 772-2222 (NJ only) or (973) 762-5100 for schedule info. N.Y.—Academy Bus Lines from N.Y.C. to Highlands, NJ. Telephone (732) 291-1300 or (212) 564-8484 for schedule info.	Auto: Garden State Parkway to Exit 117; follow Route 36 east for 12 miles to the park entrance. Boat: Seastreak (1-800-BOATRIDE) and New York Fast Ferry (1-800-693-NYFF) provide daily ferry service from Manhattan to Highlands, NJ.

FOR EMERGENCIES CONTACT:

**U.S. Park Police
(718) 338-3988**

**(Brooklyn, Queens and
Staten Island)**

NPS Ranger Station

(732) 872-5900 (Sandy Hook, NJ)

Gateway National Recreation Area Program Guide Volume 14, No. 2 Summer 2000
Published four times a year by the National Park Service • Gateway National Recreation Area
Floyd Bennett Field, Headquarters Building 69, Brooklyn, NY 11234 (718) 338-3338

General Superintendent **Marc Koenings**
Superintendent, Jamaica Bay Unit **Billy Garrett**
Acting Superintendent, Staten Island Unit **Shirley McKinney**
Superintendent, Sandy Hook Unit **Russel Wilson**

GUIDE PRODUCTION

Editor **Brian Feeney**
Associate Editor **Dave Taft** • Contributing Editors **Jeanette Parker** • **Lou Venuto**
Art Director **Linda Facci**
Printing **U.S. Government Printing Office, New York City**

When you come to Gateway this summer, whether it's to spend a day at the beach or to enjoy one of our other areas, things will seem familiar. The beach will be clean, the grasses cut, concessionaires will be selling refreshments. But underlying all this will be many changes that are not visible, changes that effect the park and all who use it.

As part of the National Park Service mission to protect our natural and cultural resources, park employees have

always been concerned about day-to-day use of various chemicals and cleaning products. While the things we have used over the past twenty-five years were all industry standard products that are considered safe, what of the long-term consequences to the environment? Fortunately, science has come a long way over the past few decades, and new, 'environmentally safe' products are now available for our use. Taking advantage of

this, Gateway is currently engaged in an active program to switch from industry standard products, to what we like to call 'green products.' In the long run, we hope that using these products will benefit the land and water that make up our park, and ultimately benefit our visitors by helping to keep the environment as pure as possible.

In addition to using green cleaning products, Gateway is engaged in a larger 'sustainability' project that will have far reaching consequences over the next decade. The National Park Service uses the word sustainability when we refer to our efforts "to meet our present needs, without compromising the needs of future generations." Three categories have been identified as significant areas where the park can take action: recycling, reduced energy use and alternative transportation programs. In each of these areas, Gateway is approaching them by both traditional and innovative means. A few examples include:

- Recycling programs for visitor trash, reusing wood debris as compost for the community gardens, and recycling abandoned tires that have collected on our shorelines for decades.

- Energy conservation programs that cut use, employ cleaner fuels or test new, innovative technologies, such as fuel cells, that turn natural gas into electricity.

- Encouraging alternative transportation programs, in particular waterborne transportation to and from the park, and the use of electric-powered vehicles to move visitors within the park.

Given the size of the Gateway National Recreation Area,

these are only first steps, but they are important ones since they will ultimately help us reach our preservation and sustainability goals. As you visit the park this year, notice some of these changes going on around you. And most importantly, help us reach our goals by participating in recycling or alternative transportation programs. These programs are here to stay, and we hope they will ultimately lead to a better park environment for generations to come.



On a personal note, I want to mention that

my time here as Acting General Superintendent is coming to a close. I must say that, although I never expected to be here for ten months, it couldn't have been more enjoyable or interesting. I again refer back to my first helicopter overflight of Gateway when I came to the region in 1978. It was a place with all of the potential you could want in a new urban national park, and as I noted some months ago, much of that potential has been fulfilled at the Sandy Hook and Staten Island Units. The Jamaica Bay Unit still has a way to go, but I am confident that with experienced, persistent and able guidance at the helm, and with the support of great professional staffs, that success will soon bloom in this spring of the new century.

I wish you all the best and look forward to returning often.

Terry Savage
Acting General Superintendent
May, 2000

NEW YORK

JUNE

JAMAICA BAY UNIT

Three areas of geography define the Jamaica Bay Unit of Gateway: Jamaica Bay, the Rockaway Peninsula and Floyd Bennett Field. Spread out over thousands of acres, this area of the boroughs of Brooklyn and Queens creates a microcosm that defines much of what Gateway National Recreation Area is all about: complex natural resources, military history and abundant recreation areas.

FLOYD BENNETT FIELD

Floyd Bennett Field was dedicated in 1931 as New York City's first municipal airport. During the pioneering days of aviation, famous aviators including Howard Hughes, Jacqueline Cochran and 'Wrong Way' Corrigan, all used the field for their record-breaking flights.

Converted to a naval air station in 1941, there are many remnants of the military era for visitors to explore, along with recreational opportunities and environmental education activities for area school children and adults.

RIIS PARK

Jacob Riis Park was created in the early part of the 20th century to give New York City residents a new seaside recreation area. Today the site includes the famous bathhouse and a pristine beach for seasonal bathing.

FORT TILDEN

Adjacent to Riis Park, Fort Tilden was a key military site that defended New York Harbor from World War I through the Vietnam War. The grounds of the fort now serve as athletic fields for local teams, and the back fort area contains remnants of the military era, along with hiking trails that are perfect for bird watching.

JAMAICA BAY WILDLIFE REFUGE

The largest bird sanctuary in the northeastern United States, the Jamaica Bay Wildlife Refuge is the best place in New York City to observe seasonal bird migrations. Two brackish ponds and miles of trails offer visitors a chance to see some of the three hundred thirty species that have made this a stopping point along the Atlantic Flyway. A parking area, bookstore and restrooms are located at the visitor center.

CANARSIE PIER

Located in Jamaica Bay along Brooklyn's Belt Parkway, this historic pier offers visitors a place to relax, or experience some of the best fishing on Jamaica Bay. Restrooms, a full-service restaurant and a seasonal snack stand are also available.

FRANK CHARLES PARK

A neighborhood park located in the Howard Beach section of Queens, Frank Charles Park features a playground, ball fields and handball courts.

BEACH SCHEDULE

Lifeguards will be on duty at designated swimming areas from Saturday, June 17 through Labor Day. For your safety, swim only in guarded areas.

SURF CASTING CLINIC

Floyd Bennett Field

Ryan Visitor Center

Saturday, June 3 at 10 a.m.

The basics of surf casting. Learn to land the big one that has always gotten away. Sponsored by the Gateway Anglers Association.



CANARSIE PHOTO EXHIBIT

Canarsie Pier

Saturday, June 3 at noon

Photographs depicting the early days of the pier and the nearby Golden City Amusement Park.



REFUGE TRAILS

Jamaica Bay Wildlife Refuge

Saturday, June 3 at 2 p.m.

Celebrate National Trails Day with a guided nature walk along the West Pond Trail. Bring binoculars. Reservations required.

PLUMB BEACH NATURE WALK

Plumb Beach

Sunday, June 4 at 10 a.m.

Explore the nature trails of the Plumb Beach salt marsh and the mating rituals of the horseshoe crab.



MODEL TRAIN EXHIBIT

Floyd Bennett Field, Hangar 6

Sunday, June 4 at 10 a.m.

Brooklyn N Trak displays model trains of all sizes. For kids of all ages.

COMPANION PLANTING

Floyd Bennett Field

Community Garden Gazebo

Sunday, June 4 at 2 p.m.

What and where to plant in order to get the most out of your vegetables and flowers.



CAMPFIRE SING-A-LONG

Fort Tilden Visitor Center

Friday, June 9 at 7 p.m.

The Rockaway Theatre Company's acoustic guitarist John Gilleece leads a sing-a-long around a glowing campfire. Bring a blanket. Reservations required.



FOR RESERVATIONS AND ADDITIONAL INFORMATION

Floyd Bennett Field - (718) 338-3799

Ecology Village - (718) 338-4306

Jacob Riis Park & Fort Tilden - (718) 318-4300

Jamaica Bay Wildlife Refuge - (718) 318-4340

Canarsie Pier - (718) 763-2202

Visit www.nps.gov/gate for the latest program updates.

ARE THE STARS OUT TONIGHT?

Floyd Bennett Field
Model Airplane Field
Friday, June 9 at 8 p.m.

Observe the stars and more with the Amateur Astronomers Association. Telescopes will be provided. In case of cloudy skies, program is held in the Ryan Visitor Center.



FUN FLY-IN

Floyd Bennett Field
Model Airplane Field
Saturday, June 10 at 9 a.m.

The Pennsylvania Avenue Radio Control Club presents a radio control plane fly-in. The program features model planes, jets and helicopters.



FORT TILDEN REMEMBERED

Fort Tilden Visitor Center
Saturday, June 10 at 10 a.m.

Remember Fort Tilden's rich military history with a hike around the fort. Reservations required.



JAMAICA BAY SUNSET CRUISE

Saturday, June 10 at 5 p.m.

A three-hour boat tour of the marshes and islands of Jamaica Bay aboard the Dorothy B. VII. Cost \$35. Call the American Littoral Society (718) 634-6467 for reservations and more information.



NATIONAL FISHING WEEK

Canarsie Pier
Sunday, June 11 at noon

Fishing fun with the Canarsie Pier Fishing Association. Bring your own bait, rod, and equipment. Open to children 8-16 years of age.

INCREASING YOUR YIELDS

Floyd Bennett Field
Community Garden Gazebo
Sunday, June 11 at 2 p.m.

The ins and outs of successful watering, fertilizing, and spacing of your vegetable plants.

HORSESHOE CRABS ALIVE!

Fort Tilden Visitor Center
Friday, June 16 at 7:30 p.m.

Observe hundreds of these ancient animals on their breeding grounds. Reservations required.

PEEK AT A PLOVER

Fort Tilden Visitor Center
Saturday, June 17 at 9 a.m.

Observe these endangered birds on their nesting grounds. Bring binoculars. Reservations required.

PAPER PILOTS

Floyd Bennett Field
Ryan Visitor Center
Saturday, June 17 at 10 a.m.

Build and design a variety of paper airplanes and fly them on historic runways. Participants 7 years and older are invited. Adult supervision is required.



SHORELINE CLEAN-UP

Canarsie Pier
Saturday, June 17 at 10 a.m.

Help clean the shoreline of Jamaica Bay. Bring work gloves and a bag lunch.



PADDLE TENNIS TOURNAMENT

Jacob Riis Park Tennis Courts
Saturday, June 17 and Sunday,
June 18 from 10 a.m. to 4 p.m.

Learn the techniques of paddle tennis from expert Jack Heller and observe the games. Reservations required.

WILDFLOWER WALK

Jamaica Bay Wildlife Refuge
Sunday, June 18 at 10 a.m.

A lesson in blossom identification, folklore, and adaptation. Reservations required.

SUNSET SOLSTICE TOUR

Jamaica Bay Wildlife Refuge
Tuesday, June 20 at 7:30 p.m.

Enjoy a Jamaica Bay sunset on the first official evening of summer. Bring binoculars. Reservations required.

WAR BIRD FLY-IN

Floyd Bennett Field
Model Airplane Field
Saturday, June 24 at 9 a.m.

See flying models of the same war birds that haunted the runways of Floyd Bennett Field during World War II.



SUMMER BEACH CLEAN-UP

Plumb Beach
Saturday, June 24 at 10 a.m.

Participate in an ongoing effort to clean our shores. Bring work gloves and a bag lunch.



SURF FISHING CASTING CLINIC

Fort Tilden Visitor Center
Saturday, June 24 at 10 a.m.

Learn to surf fish with the experts of the Gateway Striper's Club. Open to adults and children ages 12 and over. Some equipment is available, but bring a seven-foot or longer fishing rod if you can. Reservations required.

HANDBALL CLINIC AT JACOB RIIS PARK

Jacob Riis Park, Bay 9 Visitor Center
Saturday, June 24 from
9 a.m. to noon

Paul Williams, world champion handball player, teaches the techniques of the game. Reservations required.

CANARSIE PHOTO EXHIBIT

Canarsie Pier
Sunday, June 25 at 10 a.m.

Photographs depicting the early days of the pier and nearby Golden City Amusement Park.



USE YOUR WEEDS

Floyd Bennett Field
Community Garden Gazebo
Sunday, June 25 at 2 p.m.

First aid from the garden. Find out which weeds and herbs growing in your garden can be used as first aid for ailments and injuries.

JULY

BOUNTIFUL BUTTERFLIES

Fort Tilden Visitor Center
Saturday, July 1 at 9 a.m.

Learn techniques for identifying and counting butterfly populations. Bring binoculars. Reservations required.



CANARSIE PIER WALK

Canarsie Pier
Saturday, July 1 at 10 a.m.

The secrets of Canarsie Pier's history and surrounding shoreline.

WOMEN IN FLIGHT

Floyd Bennett Field
Ryan Visitor Center
Saturday, July 1 at 1 p.m.

Learn about the aviators of our past as we pay tribute to their courage and skills. Reservations required.

KIDS' FISHING CLINIC**Canarsie Pier****Sunday, July 2 at 1 p.m.**

Kids aged 8–15 will learn ways to fish for a variety of species that live in Jamaica Bay. Bring your own bait, rod and equipment.

FUN FLY-IN**Floyd Bennett Field****Model Airplane Field****Saturday, July 8 at 9 a.m.**

The Pennsylvania Avenue Radio Control Club presents a radio control plane fly-in. The program features model planes, jets and helicopters.

CANARSIE PHOTO EXHIBIT**Canarsie Pier****Saturday, July 8 and****Sunday, July 9 at 10 a.m.**

Photographs depicting the early days of the pier and the nearby Golden City Amusement Park.

DAY OF GAMES AT JACOB RIIS PARK**Jacob Riis Park, Bay 9 Visitor Center****Saturday, July 8 at 11 a.m.**

Children ages 5–12 are invited for a day of fun and games. Reservations required.

NATURE'S PAINT BRUSHES**Fort Tilden Visitor Center****Saturday, July 8 at 1 p.m.**

Use nature's tools to create your own work of art. Reservations required.

FORT TILDEN REMEMBERED**Fort Tilden Visitor Center****Sunday, July 9 at 10 a.m.**

Remember Fort Tilden's rich military history with a walking tour of the fort. Reservations required.

TERRAPIN TALES**Jamaica Bay Wildlife Refuge****Sunday, July 9 at 2 p.m.**

Hofstra researcher Jeremy Feinberg presents a slide presentation and walk to uncover the latest discoveries about our native bay turtle, the Diamond Back Terrapin. Reservations required.

PADDLE TENNIS INSTRUCTION**Jacob Riis Park Tennis Courts****Tuesday, July 11 from****11 a.m. to 2 p.m.**

Learn the techniques of paddle tennis from expert Jack Heller. Reservations required.

HANDBALL CLINIC**Jacob Riis Park, Bay 9 Visitor Center****Saturday, July 15 from****9 a.m. to noon**

Paul Williams, world champion handball player, teaches techniques of the game. Reservations required.

NATURE'S NURSERIES**Fort Tilden Visitor Center****Saturday, July 15 at 9 a.m.**

Breezy Point's famous shorebird nesting colony: terns, skimmers and plovers. Bring binoculars. Reservations required.

GREENWAY BIKE TOUR**Floyd Bennett Field****Ryan Visitor Center****Saturday, July 15 at 10 a.m.**

Tour the greenways of Gateway by riding round trip from Floyd Bennett Field. Stops at Plumb Beach and Canarsie Pier will be featured.

NATIVE AMERICAN HISTORY**Canarsie Pier****Saturday, July 15 at noon**

A lecture about the Canarsie Indians and a video entitled "The 500 Nations."

BUTTERFLY WALK**Jamaica Bay Wildlife Refuge****Sunday, July 16 at 10 a.m.**

Learn about the important role these gossamer-winged beauties play in the environment and how to identify some common species. Reservations required.

CANARSIE PIER WALK**Canarsie Pier****Sunday, July 16 at 10 a.m.**

The secrets of Canarsie Pier's history and its surrounding shoreline.

HISTORY WALK AT RIIS PARK**Jacob Riis Park, Bay 9 Visitor Center****Sunday, July 16 at 2 p.m.**

Stroll the scenic boardwalk and learn about the history of this famous seaside recreation area. Reservations required.

PADDLE TENNIS INSTRUCTION**Jacob Riis Park Tennis Courts****Tuesday, July 18 from 11 a.m.****to 2 p.m.**

Learn the techniques of paddle tennis from expert Jack Heller. Reservations required.

DEAD HORSE BAY WALK**Floyd Bennett Field****Entrance Station****Saturday, July 22 at 10 a.m.**

A summer morning walk through the trails of Dead Horse Bay. Learn the secrets of Barren Island's past and the natural wonders that call it home today. Reservations required.

CANARSIE PIER PHOTO EXHIBIT**Canarsie Pier****Saturday, July 22 and****Sunday, July 23 at 10 a.m.**

Photographs depicting the early days of the pier and nearby Golden City Amusement Park.

WIND CHIME WORKSHOP**Jacob Riis Park, Bay 9 Visitor Center****Sunday, July 23 at 1 p.m.**

Create musical seashell wind chimes. Reservations required.

PADDLE TENNIS INSTRUCTION**Jacob Riis Park Tennis Courts****Tuesday, July 25 from 11 a.m.****to 2 p.m.**

Learn the techniques of paddle tennis from expert Jack Heller. Reservations required.

ALL-WOMEN LIFEGUARD TOURNAMENT**Jacob Riis Park****Wednesday, July 26****from 8 a.m. to 3 p.m.****(Rain date: Thursday, July 27)**

Spend the day at the beach and watch the nation's largest all-women lifeguard tournament.

CAMPFIRE SING-A-LONG**Fort Tilden Visitor Center****Friday, July 28 at 7 p.m.**

The Rockaway Theatre Company's acoustic guitarist John Gilleece leads a sing-a-long around a glowing campfire. Bring a blanket. Reservations required.

WAR BIRD FLY-IN

Floyd Bennett Field
Model Airplane Field

Saturday, July 29 at 9 a.m.

Flying models of the same war birds that graced the runways of Floyd Bennett Field during World War II.



HANDBALL CLINIC AT JACOB RIIS PARK

Jacob Riis Park, Bay 9 Visitor Center
Saturday, July 29 from 9 a.m. to noon

Paul Williams, world champion handball player, teaches techniques of the game. Reservations required.

SEINE THE BAY

North Channel Bridge
East Parking Lot

Saturday, July 29 at 9:30 a.m.

A seining demonstration will sample the teeming marine life of Jamaica Bay, presented by the staff of the Jamaica Bay Wildlife Refuge. Reservations required.



KIDS' FISHING CLINIC

Canarsie Pier

Saturday, July 29 at 1 p.m.

Kids ages 8–15 will learn ways to fish for a variety of species that live in Jamaica Bay. Bring your own bait, rod and equipment.



SUMMER BIRD WALK

Jamaica Bay Wildlife Refuge
Sunday, July 30 at 10 a.m.

View waders, shorebirds and songbird residents along the refuge trails. Bring binoculars. Reservations required.



FORT TILDEN REMEMBERED

Fort Tilden Visitor Center
Sunday, July 30 at 10 a.m.

Remember Fort Tilden's rich military history with a walking tour of the fort. Reservations required.

BATH SALTS TO BANNERS

Floyd Bennett Field
Community Garden Gazebo
Sunday, July 30 at 2 p.m.

Creative ideas for garden crafts that you can make at home. Ideas, instructions, and handouts provided.

AUGUST

RIIS PARK AT SUNSET

Jacob Riis Park, Bay 9 Visitor Center
Friday, August 4 at 6:30 p.m.

Historic walk through the bathhouse and along the boardwalk at sunset. Reservations required.

INSPECTING INSECTS

Fort Tilden Visitor Center
Saturday, August 5 at 10 a.m.

Create your own insect container and observe these fascinating animals up close. Reservations required.

THE MUNICIPAL AIRPORT

Floyd Bennett Field
Ryan Visitor Center

Saturday, August 5 at 1 p.m.

The making of New York's first municipal airport. Reservations required.



CANARSIE PIER NATURE WALK

Canarsie Pier
Sunday, August 6 at 1 p.m.

The hidden treasures of the Canarsie Pier trails.



MOTH PROWL

Jamaica Bay Wildlife Refuge
Sunday, August 6 at 7:30 p.m.

The search is on for giant silk moths, sphinx moths, underwings and other nocturnal lepidopterans. Reservations required.

SAND CASTLES

Jacob Riis Park, Bay 9 Visitor Center
Saturday, August 12 at 10 a.m.

Artists ages 5 through 18 can build the sandcastle of your dreams. Reservations required.

GRAMPS WALK

Floyd Bennett Field
Ryan Visitor Center
Saturday, August 12 at 10 a.m.

Take a walk through the "Grasslands Restoration and Management Program" of Floyd Bennett Field and learn about the ongoing effort to bring grassland habitat back to New York City.

KIDS' FISHING CLINIC

Canarsie Pier
Saturday, August 12 at 1 p.m.

Kids aged 8–15 will learn ways to fish for a variety of fish that live in Jamaica Bay. Bring your own bait, rod and equipment.



SENSITIVE FERNS

Jamaica Bay Wildlife Refuge
Sunday, August 13 at 9:30 a.m.

Flowerless green plants that once dominated the earth and how to identify them. Reservations required.

CANARSIE PHOTO EXHIBIT

Canarsie Pier
Sunday, August 13 at 10 a.m.

Photographs depicting the early days of the pier and the nearby Golden City Amusement Park.

FORT TILDEN REMEMBERED

Fort Tilden Visitor Center
Sunday, August 13 at 10 a.m.

Remember Fort Tilden's rich military history with a walking tour of the fort. Reservations required.

HANDS-ON CANNING WORKSHOP

Floyd Bennett Field
Ryan Visitor Center
Sunday, August 13 at 2 p.m.

Canning demonstration from start to finish. Reservations required.

CANARSIE PIER PHOTO EXHIBIT

Canarsie Pier
Saturday, August 19 and
Sunday, August 20 at 10 a.m.

Photographs depicting the early days of the pier and the nearby Golden City Amusement Park.



THE NATURE OF THE REFUGE

Jamaica Bay Wildlife Refuge
Saturday, August 19 at 2 p.m.

The plants, animals and history of a unique wildlife refuge in the shadow of New York City skyscrapers. Bring binoculars. Reservations required.

CATCH OF THE DAY

Fort Tilden Visitor Center
Saturday, August 19 at 4 p.m.

Use a seine net to explore the marine life of Jamaica Bay. Reservations required.



PARC'S INTERCLUB TOURNAMENT OF CHAMPIONS

Floyd Bennett Field
Model Airplane Field
Sunday, August 20 at 9 a.m.

A day of champion radio control planes from around the New York area, presented by the Pennsylvania Avenue Radio Control Club.

SURF FISHING CLINIC**Fort Tilden Visitor Center****Saturday, August 26 at 10 a.m.**

Learn to surf fish with the experts of the Gateway Striper's Club. Open to adults and children ages 12 and over. Some equipment is available, but bring a seven-foot or longer fishing rod if you can. Reservations required. Space is limited.

KIDS' SNAPPER DERBY TOURNAMENT**Canarsie Pier****Saturday, August 26 at 1 p.m.**

Kids aged 8–15 fish for baby bluefish or "snappers." Bring your own bait and equipment.

**SHOREBIRD MIGRATION WALK****Jamaica Bay Wildlife Refuge****Sunday, August 27 at 10 a.m.**

Observe peeps, plovers and other water birds as they rest and feed along the shorelines of pond and marsh. Bring binoculars. Reservations required.

**FORT TILDEN REMEMBERED****Fort Tilden Visitor Center****Sunday, August 27 at 10 a.m.**

Remember Fort Tilden's rich military history with a walking tour of the fort. Reservations required.

HARP OPEN HOUSE**Floyd Bennett Field****Hangar B****Sunday, August 27 at 10 a.m.**

View the ongoing efforts of the Historic Airplane Restoration Program volunteers as they restore actual airplanes from our past.

**JACOB RIIS PARK
RECYCLES**

Beach users are again asked this year to carry their litter and recyclables off the beach to designated boardwalk receptacles.

SPECIAL EVENTS**SUNSET PICNIC
CONCERT SERIES****Fort Tilden Parade Ground
Sundays at 6 p.m.**

The Rockaway Music and Arts Council presents their annual evening concert series. Free admission.

June 25 Andy Statman Quartet
Klezmer Music

July 9 New York Gilbert
and Sullivan Players,
Pirates of Pensance

July 23 Legends of Rock and
Roll Featuring:

Kenny Vance and
The Planotones

The Del-Satins

August 6 Long Island Pops
Orchestra—Conductor
Dean Karihalis

August 20 A Journey To Ireland,
Irish Music and Dance

**ROCKAWAY RUGBY
TOURNAMENT****Fort Tilden Parade Grounds****Saturday, June 17 from
10 a.m. to 5 p.m.**

Spectators can enjoy this annual tournament that features non-stop action throughout the day.

**ROCKAWAY ARTIST
ALLIANCE AND ROCKAWAY
THEATRE COMPANY
SUMMER ART AND
THEATER PROGRAM****Fort Tilden Parade Grounds
Saturday, August 19 at 2 p.m.**

Watch your fellow community member perform in a play they created during a summer program.

**PHOTO CONTEST**

The deadline for the Annual Jamaica Bay Wildlife Refuge Photo Contest is October 31. Call the Refuge Visitor Center for more information.

**THEATER IN THE
ROCKAWAYS****Fort Tilden Post Theater**

The Rockaway Theatre Company will present a series of plays in the former Post Theater at Fort Tilden. For ticket sales and information, call the RTC at (718) 634-6482.

"Rumours"**Neil Simon's hilarious farce.****Fridays and Saturdays,****June 2 – July 1 at 8 p.m.**

Matinee and evening performance on Father's Day, Sunday, June 18 at 2 p.m. and 7 p.m.

"The USO Show"**July 7, 8, 14 and 15 at 8 p.m.****"A Family Comedy Drama"****Fridays and Saturdays, July 21
through August 19 at 8 p.m.**

Matinee and evening performance on Sunday August 6 at 2 p.m. and 7 p.m.

"A Mystery"**Fridays and Saturdays at 8 p.m.****August 18 – September 23**

Matinee and evening performance on Sunday, September 10 at 2 p.m. and 7 p.m.

**FORT TILDEN
SENIOR PROGRAM****Fort Tilden****May through September**

Senior citizen groups can reserve space at Fort Tilden's Senior Center Building for visits on Tuesday, Wednesday or Thursday. Spend the day picnicking, enjoying the beach and participating in ranger-led programs. For an application and information call (718) 318-4300.

Old Solutions, New Ideas

Felice Ciccione

Traveling in the New York area, it's hard not to notice all the boat traffic in the harbor. There are tankers, container ships, tour boats, pleasure boats, tugs pushing barges, and of course, passenger ferries. The Staten Island Ferry, the grande dame of New York Harbor, dwarfs the other ferry services when you consider longevity and the number of passengers it carries each day. Yet, all this ferry traffic is just a fraction of what was available in the not so distant past.

Commuting by boat in New York Harbor is older than the country itself. The Denyse Ferry dates back to before the Revolutionary War. The first recorded use of this ferry, which ran between Brooklyn and Staten Island, is in 1671. The ferry stayed a family business until 1814, when it was sold to the government. The ferry remained active until 1966.

Ferry service between New York and New Jersey, and between the boroughs, flourished in the 19th Century. By 1850, New York had 11 ferries operating approximately 45 steamboats. After the Civil War, many of the existing ferry services were taken over by the railroads who were interested in controlling the final connection between the rail terminals in New Jersey and New York City. The railroad companies greatly improved the existing ferry ser-

vices, adding new boats and routes as demand for passenger and cargo service increased.

By 1900, there were approximately 45 ferry routes with 125 boats plying the harbor. But it was the changes of the 20th Century that eventually started the decline of ferries. With the completion of new roads, tunnels and bridges, including rail tunnels under the Hudson River, the need for ferries started to decline. This decline accelerated after World War II as the automobile became king. City planners, such as

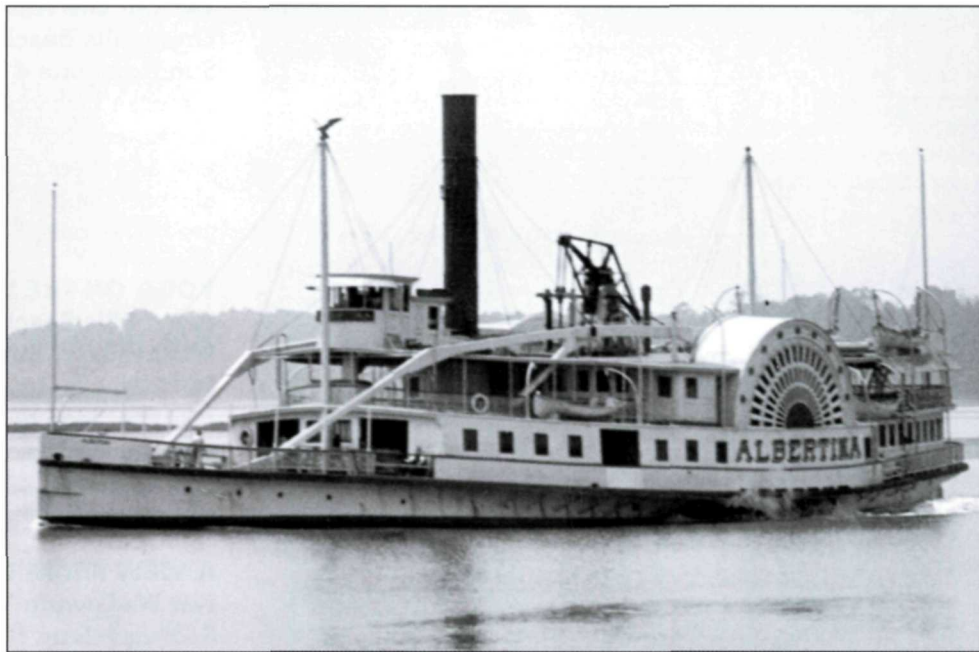
The resumption during the last few years of some ferry service between points in New Jersey and New York, has been an effective alternative to the use of automobiles. For it's part, Gateway has long encouraging alternative transportation, a practical solution since the park stretches across three New York City boroughs and part of Northern New Jersey. A good example of this is the ferry service that takes beach goers from Manhattan and points in Northern New Jersey, directly to Sandy Hook. This service frees visitors from the worries of shore traffic, parking, or the risk

that Sandy Hook will be closed due to full parking lots.

The idea of summer ferries has also spread to the New York units of Gateway. Currently the park is considering a pilot program to establish ferry service from Manhattan or other points to "Riis Landing" on the Rockaway Peninsula. Please check the Gateway

Web site for an update on this program.

There is also a plan to have ferry service run from the historic dock at Staten Island's Fort Wadsworth to Manhattan and to other areas of Gateway. Once implemented, all three units of the park will have connecting water links, freeing visitors to enjoy the park without the worries of driving.



The ferry *Albertina* that ran from New Jersey to New York until 1925.

Robert Moses, catered to motorists by continuing to build more roads and bridges, perhaps not realizing that this would soon add to the congestion that has now become legendary. As someone who commutes to Staten Island by automobile, there are many mornings I wonder if there is anyone in the Metropolitan area NOT in a car!

NEW YORK

STATEN ISLAND UNIT

The diversity of the Staten Island Unit reflects the character of the island that shares its name —open spaces and an important history that dates back to the early Dutch settlements of New York. Gateway's sites extend along the south shore of the island and include Fort Wadsworth, Miller Field and Great Kills Park; Hoffman and Swinburne Islands, located south of the Narrows, are also part of the park.

Visitors to the Staten Island Unit can explore former military fortifications, participate in organized athletics and enjoy a variety of recreation activities. Natural habitats include shoreline and dunes, uplands of grasses, shrubs and trees, and fresh water wetlands.

FORT WADSWORTH

Called the 'Guardian of the Narrows,' Fort Wadsworth is one of the oldest military sites in the nation. Strategically located at the entrance to New York Harbor, this fort guarded our country's most important city for two hundred years. Visitors today can join ranger-led tours to explore Civil War era gun batteries, or take-in a panoramic view of New York and its harbor from one of the highest points in New York City.

The Fort Wadsworth Visitor Center is open Wednesday through Sunday, from 10 a.m. to 5 p.m. Ranger-led tours of the fortifications are conducted on Saturday and Sunday at 10:30 am and 2:30 pm, and Wednesday - Friday at 2:30 pm.

EVENING HOURS AT FORT WADSWORTH

Fort Wadsworth Visitor Center will be open Thursdays until 9 p.m. beginning June 15th and continuing through August 24th. A great way to learn about the park, the Visitor Center features a 12-minute introductory film, several modern exhibits, and a well-stocked bookstore.

MILLER FIELD

Built after World War I to serve as a landing field for military biplanes, this 187-acre open space now serves thousands of Staten Island residents who participate in organized athletics.

GREAT KILLS PARK

Located on the southeastern tip of Staten Island, the park is a great resource for jogging, in-line skating, cycling, fishing and boating, as well as seasonal beach activities. Great Kills Park is also home to a nature study area that offers a great chance to do some bird watching in this coastal environment.

HOFFMAN ISLAND and SWINBURNE ISLAND

Used primarily in the 19th century, these artificially created islands served as a quarantine site for immigrants who were suffering from contagious diseases. There are few remnants of the complex of buildings that once dotted these two islands, with most of the area now suitable as a bird habitat. The islands are closed to the public.

PERMITS

Parking permits for fishing, nature study, and boating, as well as Golden Passes, can be purchased at the following locations:

- Fort Wadsworth Visitor Center
Wednesday through Sunday,
10 a.m. - 4:30 p.m.
- Miller Field Ranger Station
9 a.m. - 4:30 p.m.,
seven days a week.
- Great Kills Ranger Station
Friday through Monday.
9 a.m. - 4:30 p.m.

BEACH SCHEDULE

Lifeguards will be on duty at designated swimming areas from Saturday, June 17 through Labor Day. For your safety, swim only in guarded areas.

JUNE

TAI CHI AT MILLER FIELD

Saturday, June 3 at 10 a.m. and Saturday, June 24 at 1 p.m.

Miller Field Ranger Station

Instructor Raymond Yuen will teach participants how to reduce muscle tension and stress through Tai Chi, an ancient Chinese discipline of meditative movements. Reservations required.

ASTRONOMY NIGHT**Great Kills Model Airplane Field**

Saturday, June 3 at 8:30 p.m.

Join the Amateur Astronomers Association for a tour of the evening sky. Telescopes will be available or you can bring your own. For more information or in the event of inclement weather, call (718) 984-1927.

TAI CHI ON THE BEACH**Great Kills Beach Center**

Sundays, June 4 & 18 at 10 a.m.

Instructor Raymond Yuen will teach participants how to reduce muscle tension and stress through Tai Chi, an ancient Chinese discipline of meditative movements. Reservations required.

YOGA ON THE BEACH**Great Kills Beach Center**

Wednesdays, June 7 & 21 at 10 a.m.

Join instructor Aari Seitz to learn yoga postures, deep relaxation, breath control, and meditation. Bring a yoga mat or a large bath towel. In the event of inclement weather, call for a rain date.

A VIEW FROM THE TOP**Fort Wadsworth Visitor Center**

Saturday, June 10 at 10:30 a.m. and 1 p.m.

A tour of Battery Weed and its top tier, weather permitting, for a special view of New York Harbor. Visitors will also be able to view a turn-of-the-century lighthouse. Reservations required.

FOR RESERVATIONS AND ADDITIONAL INFORMATION

Fort Wadsworth - (718) 354-4500

Miller Field - (718) 351-6970

Great Kills Park- (718) 987-6790

A TDD/TTY MACHINE FOR USE BY THE HEARING IMPAIRED
IS IN OPERATION FROM 10 A.M. UNTIL 5 P.M. WEDNESDAY THROUGH SUNDAY.

CALL (718) 354-4503

Visit www.nps.gov/gate for the latest program updates.

UNDERWATER CLEAN-UP DAY

Great Kills Beach Center
Sunday, June 11 at 9 a.m.

Divemaster Mike Berg and the divers of Down Under Sports will hold their first underwater clean-up of the Great Kills beach area. To volunteer for the onshore clean-up effort, call the Great Kills Visitor Center.



FAMILY FUN AND GAMES

Sunday, June 11 at 2 p.m.
Miller Field Ranger Station

An afternoon of fun-filled activities for the whole family.



LANTERN TOUR OF FORT WADSWORTH

Fort Wadsworth Visitor Center
Thursdays, June 15, 22 & 29 at 8:30 p.m.

An evening walk, weather permitting, to explore the historic sites of the Fort. Bring a flashlight. Reservations required.

RELAY RACES

Saturday, June 17 at 11 a.m.
Miller Field Ranger Station

A morning of running activities: a set course, a contest of speed, potato sack races, and more. Dress comfortably and sneakers are a must. All ages are welcome.



THE HISTORY OF OPERATION SAIL IN NEW YORK CITY

Fort Wadsworth Visitor Center
Saturday, June 17 at 1 p.m.

Prepare for Operation Sail 2000 with this photographic tour and lecture that will highlight the Operation Sail activities in 1986 and 1992.

OUR VIOLENT SUN

Great Kills Beach Center
Saturday, June 17 at 2 p.m.

This year the sun will near the peak of its eleven-year cycle and solar activity will be at its maximum. Come view sunspots safely with proper solar filters. All equipment will be provided. The program will not take place under cloudy skies.



BOROUGH PRESIDENT'S ROCK CONCERT SERIES

Great Kills Park
Wednesday, June 21 at 8 p.m.



A LA CARTE

Great Kills Beach Center
Sunday June 25 from 10 a.m. to noon

Did you ever wonder how many eyes a horseshoe crab has, why fish are slimy, or why some beach plants look like they have fur? Bring your curiosity about plants and animals to our discovery station where you can explore the answers to these questions and more.

THE SHIPS OF NEW YORK HARBOR

Fort Wadsworth Visitor Center
Sunday, June 25 at 1 p.m.

Opening day of an exhibition of models that chronicle the history of ships that have sailed into New York Harbor over the past 300 years. The exhibit runs through August 27.



BOROUGH PRESIDENT'S ROCK CONCERT SERIES

Great Kills Park
Wednesday, June 28 at 8 p.m.



JULY

TAI CHI ON THE BEACH

Great Kills Beach Center
Sundays, July 2, 16 & 30 at 10 a.m.

Instructor Raymond Yuen will teach participants how to reduce muscle tension and stress through Tai Chi, an ancient Chinese discipline of meditative movements. Reservations required.

YOGA ON THE BEACH

Great Kills Beach Center
Wednesdays, July 5 & 19 at 10 a.m.

Join instructor Aari Seitz to learn yoga postures, deep relaxation, breath control, and meditation. Bring a yoga mat or a large bath towel. In the event of inclement weather, call for a rain date.



BOROUGH PRESIDENT'S ROCK CONCERT SERIES

Great Kills Park
Wednesday, July 5 at 8 p.m.

LANTERN TOUR OF FORT WADSWORTH

Fort Wadsworth Visitor Center
Thursdays, July 6, 13, 20 & 27 at 8:30 p.m.

An evening walk, weather permitting, to explore the historic sites of the Fort. Bring a flashlight. Reservations required.

OPEN HOUSE CELEBRATING OPERATION SAIL 2000

Fort Wadsworth Visitor Center
Friday July 7 and Saturday, July 8 from 11 a.m. to 4 p.m.

To celebrate Fort Wadsworth's long history with New York Harbor, the park will hold an open house that features musket firing, infantry drills, cannon firing demonstrations and tours of historic structures.

ASTRONOMY NIGHT

Great Kills
Model Airplane Field
Saturday, July 8 at 8:30 p.m.

Join the Amateur Astronomers Association for a tour of the evening sky. Telescopes will be available or you can bring your own. For more information or in the event of inclement weather, call (718) 984-1927.



A LA CARTE

Great Kills Beach Center
Sundays, July 9 & 23 from 10 a.m. to noon

Did you ever wonder how many eyes a horseshoe crab has, why fish are slimy, or why some beach plants look like they have fur? Bring your curiosity about plants and animals to our discovery station where you can explore the answers to these questions and more.

BOROUGH PRESIDENT'S ROCK CONCERT SERIES

Great Kills Park
Wednesday, July 12 at 8 p.m.



CAMPFIRE ON THE BEACH

Great Kills Beach Center
Thursday, July 13 at 8 p.m.

Enjoy an evening of songs, stories and family fun. Bring a flashlight and a blanket.



YOGA AT MILLER FIELD**Saturday, July 15 at 10 a.m.****Miller Field Ranger Station**

Join instructor Alice Waldman to learn yoga postures, deep relaxation, breath control, and meditation. Bring a yoga mat or a large bath towel. Call for a rain date.

**THE LIGHTHOUSES OF STATEN ISLAND****Fort Wadsworth Visitor Center****Saturday, July 15 at 1 p.m.**

Join lighthouse expert Joe Esposito for an in-depth look at Staten Island's historic lights. A dozen detailed lighthouse models will be on display. A tour of Fort Wadsworth focusing on local lighthouse history will follow. No reservations needed; size of tour group is limited to 30.

OUR VIOLENT SUN**Great Kills Beach Center****Saturday, July 15 at 2 p.m.**

This year the sun will near the peak of its eleven-year cycle and solar activity will be at its maximum. Come view sunspots safely with proper solar filters. All equipment will be provided. The program will not take place under cloudy skies.

**LIVING HISTORY AT FORT WADSWORTH****Sundays, July 16, 23 & 30 from 11 a.m. to 4 p.m.**

Civil War re-enactors and civilians portray what it was like to be stationed in a garrison during the Civil War. Musket firing, infantry drills, and medical displays will be featured. If you're interested in volunteering for this program, call (718) 354-4569.

BOROUGH PRESIDENT'S ROCK CONCERT SERIES**Great Kills Park****Wednesday, July 19 at 8 p.m.****STARLIGHT CONCERT****Great Kills Park****Thursday, July 20 at 8 p.m.**

Music from the 70's and 80's.

GAMES THAT PEOPLE PLAYED**Fort Wadsworth Visitor Center****Saturday, July 22 at 1 p.m.**

People in the 19th century amused and educated themselves without the aid of electricity or computer chips. Try your hand at such puzzles as Tangram, and see how quickly you can complete the challenge.

COME FLY A KITE**Sunday, July 23 at 2 p.m.****Miller Field Ranger Station**

Kite enthusiasts of all ages are invited to construct and launch a variety of kites from Miller Field. All materials will be provided. Reservations requested.

**BOROUGH PRESIDENT'S ROCK CONCERT SERIES****Great Kills Park****Wednesday, July 26 at 8 p.m.****MILLER FIELD BEACH CLEAN-UP****Saturday, July 29, at 10 a.m.****Miller Field Memorial Circle**

Help to make your neighborhood beach pristine again. Bring work gloves.

**A VIEW FROM THE TOP****Fort Wadsworth Visitor Center****Saturday, July 29 at 10:30 a.m. and 1 p.m.**

A tour of Battery Weed and its top tier, weather permitting, for a special view of New York Harbor. Visitors will also be able to view a turn-of-the-century lighthouse. Reservations required.

AUGUST**YOGA ON THE BEACH****Great Kills Beach Center****Wednesdays, August 2, 16 & 30 at 10 a.m.**

Join instructor Aari Seitz to learn yoga postures, deep relaxation, breath control, and meditation. Bring a yoga mat or a large bath towel. In the event of inclement weather, call for a rain date.

**BOROUGH PRESIDENT'S ROCK CONCERT SERIES****Great Kills Park****Wednesday, August 2 at 8 p.m.****LANTERN TOUR OF FORT WADSWORTH****Fort Wadsworth Visitor Center****Thursdays, August 3, 10, 17 & 24 at 8:30 p.m.**

An evening walk, weather permitting, to explore the historic sites of the Fort. Bring a flashlight. Reservations required.

**ONE-ON-ONE FOOTBALL****Saturday, August 5 at 10 a.m.****Miller Field Ranger Station**

Football coach and U.S. Park Police Officer Larry Holmes will lead a morning of exciting drills. Wear sneakers and dress in light clothing.

ASTRONOMY NIGHT**Great Kills****Model Airplane Field****Saturday, August 5 at 8:30 p.m.**

Join the Amateur Astronomers Association for a tour of the evening sky. Telescopes will be available or you can bring your own. For more information and in the event of inclement weather, call (718) 984-1927.

**TAI CHI ON THE BEACH****Great Kills Beach Center****Sundays, August 6 & 20 at 10 a.m.**

Instructor Raymond Yuen will teach participants how to reduce muscle tension and stress through Tai Chi, an ancient Chinese discipline of meditative movements. Reservations required.

LIVING HISTORY AT FORT WADSWORTH**Sundays, August 6, 13 & 20 from 11 a.m. to 4 p.m.**

Civil War re-enactors and civilians portray what it was like to be stationed in a garrison during the Civil War. Musket firing, infantry drills, and medical displays will be featured. If you're interested in volunteering for this program, call (718) 354-4569.

BOROUGH PRESIDENT'S ROCK CONCERT SERIES**Great Kills Park****Wednesday, August 9 at 8 p.m.**

TAI CHI AT MILLER FIELD

Sunday, August 13 at 1 p.m.

Miller Field Ranger Station

Instructor Raymond Yuen will teach participants how to reduce muscle tension and stress through Tai Chi, an ancient Chinese discipline of meditative movements. Reservations required.

A LA CARTE

Great Kills Beach Center

Sundays, August 13 & 27

from 10 a.m. to noon

Did you ever wonder how many eyes a horseshoe crab has, why fish are slimy, or why some beach plants look like they have fur? Bring your curiosity about plants and animals to our discovery station where you can explore the answers to these questions and more.

JONATHAN WILLIAMS: THE FATHER OF NEW YORK'S HARBOR DEFENSE

Fort Wadsworth Visitor Center

Sunday, August 13 at 1 p.m.

He inspired a revolution in fortification design, yet failed to gain the recognition he deserved. Join us to hear how West Point's first superintendent had a lasting impact on New York history.

BOROUGH PRESIDENT'S ROCK CONCERT SERIES

Great Kills Park

Wednesday, August 16 at 8 p.m.



A VIEW FROM THE TOP

Fort Wadsworth Visitor Center

Friday, August 18 at

10:30 a.m. and 1 p.m.

A tour of Battery Weed and its top tier, weather permitting, for a special view of New York Harbor. Visitors will also be able to view a turn-of-the-century lighthouse. Reservations required.

OUR VIOLENT SUN

Great Kills Beach Center

Saturday, August 19 at 2 p.m.

This year the sun will near the peak of its eleven-year cycle and solar activity will be at its maximum. Come view sunspots safely with proper solar filters. All equipment will be provided. The program will not take place under cloudy skies.



BOROUGH PRESIDENT'S ROCK CONCERT SERIES

Great Kills Park

Wednesday, August 23 at 8 p.m.



FOUNDER'S DAY CAMPFIRE

Miller Field Beach

Friday, August 25 at 8 p.m.

Celebrate the 84th anniversary of the National Park Service with an evening of songs, stories and family fun. Bring a flashlight and a blanket.

NATURE'S PRINTS

Sunday, August 27 at 2 p.m.

Miller Field Ranger Station

Create your own decorated tee shirt using natural materials. Please bring a 100% cotton tee shirt for printing; all other materials will be provided. Reservations required.

MUSIC IN THE PARKS

BOROUGH PRESIDENT'S ROCK CONCERT SERIES

Great Kills Park

Wednesdays, June 21 through August 23 at 8 p.m.

Call (718) 816-2133 for additional information.

MET IN THE PARKS

Miller Field

Tuesday, June 27 at 8 p.m.
(Rain date: June 29)

A free concert performance of Puccini's *Madama Butterfly* by the Metropolitan Opera.

STARLIGHT CONCERT

Great Kills Park

Thursday, July 20 at 8 p.m.

Music from the 70's and 80's, sponsored by the Staten Island Borough President's Office.

PHILHARMONIC IN THE PARKS

Miller Field

Friday, July 28 at 8 p.m.

A free concert by the New York Philharmonic.

SPECIAL PROGRAMS

JUNIOR RANGER

ADVENTURER PROGRAM

Great Kills Beach Center

Miller Field Ranger Station

Fort Wadsworth Visitor Center

Saturdays: July 1, 15, & 29

August 12 & 19 from 10 a.m. to noon

Junior Ranger Adventurer programs for ages 9-12. Topics will include nature studies, harbor defense and orienteering. The children will earn a Junior Ranger badge or patch.

Children should dress for the weather, wear appropriate shoes for the outdoors and bring water. Reservations are required for each program and the location for each program will vary. Call (718) 987-6790.

LIVING HISTORY AT FORT WADSWORTH

Sundays from July 16 through August 20, from 11 a.m. to 4 p.m.

Civil War re-enactors and civilians portray what it was like to be stationed in a garrison during the Civil War. Musket firing, infantry drills, and medical displays will be featured. If you're interested in volunteering for this program, call (718) 354-4569.

LANTERN TOUR OF FORT WADSWORTH

Fort Wadsworth Visitor Center

Thursdays at 8:30 p.m.

beginning June 15th and continuing through August 24th.

An evening walk to explore the historic sites of the Fort. Bring a flashlight; weather permitting; reservations required.



NEW JERSEY

SANDY HOOK UNIT

The Sandy Hook peninsula includes six miles of ocean beaches, salt marshes, the waters of Sandy Hook Bay and the historic sites of Fort Hancock. The tip of the Sandy Hook peninsula overlooks the entrance to New York Harbor and is the northern point along the New Jersey Shore. Because of its location, Sandy Hook has played a major role in navigation and coastal defense. Sandy Hook is also an important location along the Atlantic Flyway, and birding is especially good during spring and fall migrations.

SANDY HOOK VISITOR CENTER

Daily, 10 a.m. to 5 p.m.
The 1894 Spermaceti Cove Life-Saving Station now serves as a park visitor center. Exhibits on the peninsula's natural history and on the U.S. Life-Saving Service highlight the building.

SANDY HOOK LIGHTHOUSE

Grounds open daily
Tours: Weekends, noon to 5 p.m.
Thursdays, July 6 & 20 and August 3, 17 & 31, 6 p.m. to 8 p.m.
The Sandy Hook Lighthouse has guided ships along the Jersey Shore and into New York Harbor since 1764; it is the oldest light tower in the United States. Lighthouse tours are by volunteers from the New Jersey Lighthouse Society.

HISTORIC FORT HANCOCK

Built at the end of the 19th century as the outermost defense point for New York, the fort today contains a collection of buildings that represent a time of more elegant military architecture. The story of the fort is told at the Fort Hancock Museum and at History House, a restored home along Officers Row. The remnants of Battery Potter and the Sandy Hook Proving Ground sit silent and await exploration.

FORT HANCOCK MUSEUM

Weekends in June, 1 p.m. to 5 p.m.
Daily in July and August, 1 p.m. to 5 p.m.
The museum is in the former post guardhouse. It contains a bookstore, exhibits and dioramas about Fort Hancock.

HISTORY HOUSE

Weekends, 1 p.m. to 5 p.m.
History House is a restored lieutenants residence built in 1898 on "Officers Row" overlooking Sandy Hook Bay. Exhibits highlight everyday life at Fort Hancock.

BATTERY POTTER

Saturdays, June 10 and 24, 1 p.m. to 4 p.m.
Weekends in July and August, 1 p.m. to 4 p.m.
Explore Sandy Hook's oldest gun battery.

SANDY HOOK FOUNDATION:

The Sandy Hook Foundation is the authorized non-profit Friends group for Sandy Hook. The Foundation is a partner with the National Park Service dedicated to the preservation and public use of Sandy Hook and its natural and historic resources. The Foundation's current focus is renovation of the Post Theater and support for restoration and rehabilitation of the park's natural resources. The Foundation also sponsors the annual free Sandy Hook Summer Beach Concert Series on Wednesday evenings in July and August. For more information call (732) 291-7733 or write Sandy Hook Foundation, History House, P.O. Box 525, Fort Hancock, NJ 07732.

BEACH SCHEDULE

Lifeguards will be on duty at designated swimming areas from Saturday, June 17 through Labor Day. For your safety, swim only in guarded areas.

SUMMER AT THE HOOK

Lifeguards are on duty from 10 a.m. to 6 p.m. daily at five Sandy Hook beaches, Saturday, June 17 through Labor Day. For your safety, swim only in lifeguard protected areas.

Beach Parking Fee: \$8 per vehicle on weekdays; \$10 on weekends and holidays, June 17 through Labor Day. Seasonal passes are also available - call for information.

There are no fees for pedestrians or bicyclists and no charge for parking at Fort Hancock.

Ferry Service: directly to Sandy Hook on weekends and on Labor Day beginning June 17. An in-park shuttle will be available for ferry passengers.

For more information call New York Waterways at 1-800-53FERRY.

JUNE

NATIONAL TRAILS DAY

**Sandy Hook Visitor Center
Saturday, June 3 at 9 a.m.**

Volunteers over 18 are invited to help maintain Sandy Hook hiking trails. Work will include trimming vegetation, installing trail markers and putting up fencing. Wear long sleeve shirts and hard shoes. Bring insect repellent and gloves.

GOING BUNKERS

**Sandy Hook Education Center
Sunday, June 4 at 6 p.m.**

A tour into some Fort Hancock gun batteries that once defended New York Harbor. Bring a flashlight. Reservations required.

SANDY HOOK LIGHTHOUSE DAY

Fort Hancock

Saturday, June 10, 11 a.m. to 5 p.m.

The Sandy Hook Lighthouse has been restored and is again open to the public. Mark the rededication with a day of living history activities that includes reenactors from the Revolutionary War through the Vietnam era.

FOR RESERVATIONS AND ADDITIONAL INFORMATION

CALL (732) 872-5970

FOR EMERGENCIES CALL (732) 872-5900

A TDD/TYY MACHINE FOR USE BY THE HEARING IMPAIRED
IS IN OPERATION FROM 10 A.M. UNTIL 5 P.M.

CALL (732) 872-2256

DUNE GRASS TO FOREST WALK

Sandy Hook Visitor Center
Sunday, June 11 at 6 p.m.

Learn about some of the basic needs of plants and animals living in Sandy Hook's harsh maritime environment on this beach to woodlands walk.

EVENING BIRD WALK WITH NEW JERSEY AUDUBON SOCIETY

Sandy Hook Visitor Center
Wednesday, June 14 at 6 p.m.

A walk with New Jersey Audubon in search of common and least terns, ospreys and egrets.

NESTING SHOREBIRDS OF SANDY HOOK

Sandy Hook Visitor Center
Thursday, June 15 at 6 p.m.

A walk by Monmouth County Audubon Society to a least tern and piping plover nesting area, two threatened and endangered shorebirds on Sandy Hook beaches.



HORSESHOE CRAB WALK

Sandy Hook Visitor Center
Saturday, June 17 at 6 p.m.

The horseshoe crab is the oldest creature in the salt marsh. Its ancestors were around when dinosaurs lived 200 million years ago. Walk with a park ranger to learn more about this ancient marine animal.

FORT HANCOCK ARCHITECTURE WALK

Sandy Hook Education Center
Sunday, June 18 at 6 p.m.

Tour Fort Hancock grounds and buildings and learn about their architectural styles.

A SUMMER SOLSTICE WALK TO THE TIP

Guardian Park
at Fort Hancock

Wednesday, June 21 at 8 p.m.

Welcome the first day of summer by joining the American Littoral Society on this two-mile walk around the tip of Sandy Hook to watch the sunset over New York harbor. For more information call (732) 291-0055.



NIGHT PROWL

Sandy Hook Visitor Center
Saturday, June 24 at 8:30 p.m.

Bring a flashlight on this after dark walk along Sandy Hook's beaches or trails.



GUNS OF FORT HANCOCK

Fort Hancock Parking Lot
(Located south of the Lighthouse)

Sunday, June 25 at 6 p.m.

Visit Fort Hancock's oldest gun batteries on this Ranger walk and discover how the Mortar Battery, Battery Granger, and Battery Potter once defended New York Harbor. Bring a flashlight.

SEINING IN SANDY HOOK BAY

Sandy Hook Visitor Center
Thursday, June 29 at 1 p.m.

A hands-on program that uses a seine net to gather creatures from Sandy Hook Bay. We provide the net and hip boots. Wear old sneakers and expect to get wet. Reservations needed.

JULY

SEINING IN SANDY HOOK BAY

Sandy Hook Visitor Center
Thursdays, July 6, 13, 20 & 27 at 1 p.m.

A hands-on program that uses a seine net to gather creatures from Sandy Hook Bay. We provide the net and hip boots. Wear old sneakers and expect to get wet. Reservations needed.



DECK TO DECK: THE HOOK FROM NORTH TO NORTHEAST

North Beach Observation Deck
Thursday, July 6 at 6 p.m.

From the North Beach Observation Deck view the surrounding area and then walk to discover the different ways Sandy Hook's environment was beneficial to its natural and human inhabitants.

SALT MARSH WALK

Sandy Hook Visitor Center
Friday, July 7 at 6 p.m.

Saturday, July 22 at 6 p.m.

Explore a wetland salt marsh along Sandy Hook Bay



NIGHT PROWL

Sandy Hook Visitor Center
Saturday, July 8 at 8:30 p.m.
Fridays, July 14 and 28 at 8:30 p.m.

Bring a flashlight on this after dark walk along Sandy Hook's beaches or trails.



THEY ALSO SERVED

Fort Hancock Museum
Thursday, July 13 at 6 p.m.

A living history talk about the first women who served as soldiers in the Women's Army Corps during World War II at Fort Hancock.

BIRDS OF THE SALT MARSH

Sandy Hook Visitor Center
Thursday, July 20 at 6 p.m.

A walk with Monmouth County Audubon Society along the salt marshes of Sandy Hook Bay to see ospreys, egrets, herons and cormorants.



AN EVENING WALK AT FORT HANCOCK

Fort Hancock Museum
Friday, July 21 at 6 p.m.

Discover Fort Hancock history as the evening winds down. The nicest time of day.

BIRDING FOR BEGINNERS

Sandy Hook Visitor Center
Wednesday, July 26 at 6 p.m.

Join the New Jersey Audubon Society for an evening ramble in search of towhees, terns and turnstones.

GOING BUNKERS

Sandy Hook Education Center
Thursday, July 27 at 6 p.m.

A tour into some Fort Hancock gun batteries that once defended New York Harbor. Bring a flashlight. Reservations needed.

DUNE GRASS TO FOREST WALK

Sandy Hook Visitor Center
Saturday, July 29 at 6 p.m.

Discover the plants and animals living in a harsh maritime environment on this beach to woodlands walk.



AUGUST

SEINING IN SANDY HOOK BAY

Sandy Hook Visitor Center
Thursdays, August 3, 10, 17 & 24 at 1 p.m.

A hands-on program that uses a seine net to gather creatures from Sandy Hook Bay. We provide the net and hip boots. Wear old sneakers and expect to get wet. Reservations needed.

Visit www.nps.gov/gate for the latest program updates.

GUNS OF FORT HANCOCK

Fort Hancock Parking Lot
(Located south of the Lighthouse)
Thursday, August 3 at 6 p.m.

Visit Fort Hancock's oldest gun batteries on this Ranger walk and discover how the Mortar Battery, Battery Granger, and Battery Potter once defended New York Harbor. Bring a flashlight.

SALT MARSH WALK

Sandy Hook Visitor Center
Friday, August 4 at 6 p.m.

Explore a wetland salt marsh along Sandy Hook Bay.



THEY ALSO SERVED

Fort Hancock Museum
Thursday, August 10 at 6 p.m.

A living history talk about the first women who served as soldiers in the Women's Army Corps during World War II at Fort Hancock.

AN EVENING WALK AT FORT HANCOCK

Fort Hancock Museum
Friday, August 11 at 6 p.m.

Discover Fort Hancock history as the evening winds down. The nicest time of day.

NIGHT PROWL

Sandy Hook Visitor Center
Saturday, August 12 at 8 p.m.
Friday, August 25 at 8 p.m.

Bring a flashlight on this after dark walk along Sandy Hook's beaches or trails.

BIRDS OF THE BAY AND MARSH

Sandy Hook Visitor Center
Wednesday, August 16 at 6 p.m.

On this walk with the NJ Audubon Society we should see summering terns and returning shorebirds.

DECK TO DECK: THE HOOK FROM NORTH TO NORTHEAST

North Beach Observation Deck
Thursday, August 17 at 6 p.m.

From the North Beach Observation Deck view the surrounding area and then walk to discover the different ways Sandy Hook's environment was beneficial to its natural and human inhabitants.



AN EVENING WALK AT FORT HANCOCK

Fort Hancock Museum
Friday, August 18 at 6 p.m.

Discover Fort Hancock history as the evening winds down. The nicest time of day.



BIRDS OF THE DUNES AND THICKETS

Sandy Hook Visitor Center
Thursday, August 24 at 6 p.m.

A walk with Monmouth County Audubon Society through the back dunes and holly forest.



DUNE GRASS TO FOREST WALK

Saturday, August 26 at 6 p.m.

Discover the plants and animals living in a harsh maritime environment on this beach to woodlands walk.



FORT HANCOCK ARCHITECTURE WALK

Sandy Hook Education Center
Thursday, August 31 at 6 p.m.

Tour Fort Hancock grounds and buildings and learn about their architectural styles.

CHILDREN'S PROGRAMS

JUNIOR RANGERS

Sandy Hook Education Center
Fridays July 7 through
August 18, 9:30 a.m. to 12:30 p.m.

Kids, age 7 to 12, spend a morning with a ranger and learn about Sandy Hook. Reservations required.

KIDS AT NORTH BEACH

North Beach Observation Deck
Fridays, July 7 through
August 18, 2 p.m. to 4 p.m.

Kids, age 6 to 10 may stop at the North Beach Observation Deck to participate in a hands-on activity to learn about one of the habitats on Sandy Hook.

NEW JERSEY MARINE SCIENCES CONSORTIUM

For more information on the following programs, please call (732) 872-1300, extension 30.

"Families Investigate Science Hands-on"

Sundays, June 4, 11, 24 and 25

FISH is a marine and environmental science education program for family groups.

"Environmental Summer Day Camp" Fridays in July

Campers may attend individual days or sign up for the entire series.

NEWS FROM THE HOOK

by Lou Venuto

This is a great summer to visit Sandy Hook. In addition to the beaches, hiking trails and sites of historic Fort Hancock, the Sandy Hook Lighthouse is looking better than ever. Restoration of the 1764 lighthouse, underway since last September, will be completed before the summer season and once again America's oldest lighthouse will be open to visitors. This National Park Service project included repairs to the masonry structure and lantern house and removal of a modern backup light fixture that once stood atop the light. In addition, grounds improvements and new walkways have made the site more accessible and a nearby historic barn has been restored. In a few months the barn, built in 1894, will be open as an exhibit space to house a video on the history of the Lighthouse that will be filmed this fall. Volunteers from the New Jersey Lighthouse Society are once again offering tours on weekends. Plan a visit, but remember that tours book early.

Another place to stop is North Beach. New wayside exhibits, developed through a grant from the Sandy Hook Foundation, tell the history of the Sandy Hook Proving Ground. The nearly North Beach Observation Deck also has a number of new exhibits and great views of the New York skyline.

A number of our park partners are marking anniversaries this year. The Sandy Hook Day Care Center is celebrating their 20th year on the Hook. This August will be the 25th year for the annual Clearwater Festival sponsored by the Monmouth County Friends of Clearwater. And 2000 marks the 15th year that Clean Ocean Action has been helping clean Sandy Hook beaches at their spring and fall "beach sweeps."

Congratulations to all!

MUSIC ON THE HOOK

SANDY HOOK BEACH CONCERT SERIES

**On the beach at Area E
Wednesdays, June 28 through
August 23 at 6 p.m.**

A free concert series sponsored by the Sandy Hook Foundation. Enjoy the music, summer breezes and great Sandy Hook sunsets. If weather is a factor, a rain call will be made at 2 p.m. on the day of the concert. Call (732) 291-7733 for rain cancellations.

June 28	Stanley Roots and the Tribe (Reggae)
July 5	Tim McCloone's Holiday Express "Slice of Americana"
July 12	Booty Shack (Disco and Motown)
July 19	FATE (Top 40 hits to the 1990s)
July 26	First Class Act (50s and 60s)
August 2	The Tim McCloone Band (Rock)
August 9	Salsa En Fuego (Latin)
August 16	Amy Droza Band (Country & Western)
August 23	Vin O'Dell's Irish Show

FRIENDS OF CLEARWATER BEACH CAMPFIRE

**On the Beach at the Sandy Hook
Visitor Center**

Join Monmouth County Friends of Clearwater for an evening of music on the beach. Bring a blanket or beach chair. These free Saturday night programs begin at 8 p.m.

July 15	Turning East (Light rock and folk)
August 5	Spring (Folk)

THE CLEARWATER FESTIVAL

**At Fort Hancock
Saturday & Sunday,
August 19 & 20, Noon to dusk**

Monmouth County Friends of Clearwater present their 25th annual festival of music, food, green products, entertainment and environmental action. For more information call (732) 872-9644.



NEW JERSEY COASTAL HERITAGE TRAIL

Sandy Hook is a site on the New Jersey Coastal Heritage Trail and the video "On a Heritage Trail" is shown at the park visitor center. The NJCHT was established "to provide for public appreciation, education, understanding, and enjoyment" of significant natural and cultural sites associated with the coastal area of New Jersey. The Trail is divided into five regions and has five themes linked by the common heritage of life on the Jersey Shore and Raritan and Delaware bays. The Maritime History, Coastal Habitats, and Wildlife Migration theme trails are now open. The Historic Settlements and Relaxation & Inspiration themes are under development.

The NJCHT is intended primarily for vehicular tourism. It is a partnership project by the National Park Service in cooperation with the State of New Jersey and many other public and private organizations working to preserve the state's natural and cultural heritage.

For information contact the NJ Division of Travel and Tourism, P.O. Box 826, Trenton, NJ 08625-7418 or call (800) 537-7397 or (609) 292-2470. Information is also available by writing to: Superintendent, NJ Coastal Heritage Trail, P.O. Box 568, Newport, NJ 08345 or by calling (856) 447-0103.

EDUCATION PROGRAMS

The National Park Service offers teacher workshops and self-guided materials for educators planning a class trip. Contact the Sandy Hook Visitor Center at (732) 872-5970 to help plan your visit.

Two park partners located at Fort Hancock on Sandy Hook offer environmental education programs for all ages. The New Jersey Marine Sciences Consortium, in Fort Hancock Barracks 22, conducts research and offers guided educational programs and teacher workshops on the marine environment throughout the year. College level courses, for credit or audit, are available in summer. For reservations or more information call (732) 872-1300, ext. 30 or check the Web site: www.njmssc.org

Brookdale Community College's Ocean Institute, in Fort Hancock Building 53, offers educational programs, summer camps and teacher workshops about the marine environment. For more information, write P.O. Box 533, Fort Hancock, NJ 07732 or visit them on the Web at: www.brookdale.cc.nj.us

SUMMER JITNEY

This summer, the Bayshore Jitney will provide convenient connections between Sandy Hook and the Middletown Train Station and all bus stops and ferry landings in Highlands and Atlantic Highlands.

The Bayshore Jitney will operate every day from Saturday, June 17 through Labor Day. For more information visit www.bayshorenj.com

**Sandy Hook
is a carry-in, carry-out
park. Trash cans
and recycle
barrels are not
provided.
Please take your
refuse home with you.**

Stick in the Mud

Dave Taft

"W e'll come back for it."

I must have looked puzzled, because my partner John Zuzworsky of the Jamaica Bay Wildlife Refuge added, "Really, they're here."

A solitary gull drifted farther into Jamaica Bay and allowed itself to be swept out with the tide. I looked back at John skeptically as the gull complained.

Here at the high water mark of Dead Horse Bay, I saw no trace of the pilings that mark Floyd Bennett Field's time as an island. Barren Island was populated by a few hundred salty residents, their stilt houses, and their particular means of employ: the famous glue factories of Brooklyn. Dead horses and a fish called menhaden greased the wheels of commerce here and gave Dead Horse Bay its picturesque name. The island bustled with passenger ferries headed to the Rockaways, and cargo ferries with contents that were far more grim: horses and herring headed to the estimated 26 rendering plants located here during the tail end of the 19th century. In the end, the billowing, ill-scented smoke proved to be these factories' own death-knell as Brooklyn's residential communities encroached and complained. By the early 1900's the plants were gone and with them, the island's human residents.

But the pilings that supported ferries, rendering plants, and history alike remain, and though all seemed intractably underwater at the moment, both John and I knew the tide was turning. We wandered through the nearby upland trails birdwatching and returned two hours later to find rows of pilings, like the crooked teeth of a crocodile, emerging from the water. Hundreds of pilings and stones were now exposed to the air. Covered with the a new community made up of barnacles, blue mussels and their ilk. John and I were looking for a local rarity, the common oyster. Extensive beds of these shellfish once

lined estuaries all along the east coast, and their fossil shells can still be found riding the tides of Jamaica Bay. Siltation and over-harvest led to their demise, but with improved water quality in New York Harbor, the oyster has been reasserting itself in surprising places. Though we wouldn't want to eat one, John and I hoped to document their return to Jamaica Bay.

The life of the pilings looks alien once exposed to the open air. To survive here, animals and plants must hang on against raging tides and contend with daily exposure. In summer an exposed piling resident might expect temperatures to exceed ninety degrees Fahrenheit. In winter, freezing is a very real possibility. Plants and animals here are true survivors in a difficult landscape.

Descending the slope of the shoreline, John and I checked a group of pilings six feet tall where barnacles stood out like teeth from the old wood. Crab relatives, barnacles, tuck themselves into their intricate shells as the tide falls. But just inches underwater, they rhythmically kick out their feathered feet to gather plankton. The glue that anchors them is strong enough to resist the strongest tides, and strong enough to interest scientists studying chemical adhesives.

No oysters on this piling, and the tide continued to fall.

What attracted me to the next piling was John pulling at a long strand of blue mussels. Mussels anchor themselves as barnacles, but use "byssal threads," tough sinewy strands that adhere to rocks and boards. Like the barnacles, blue mussels are also filter feeders, opening as water surrounds them, closing when exposed to the air. Again, no oysters here, but at the base of the piling, in a small pool of water, a pair of hermit crabs scampered about in borrowed homes. Mud snails slowly foraged in the same depression as the her-

mit crabs, some of their departed kin having provided the hermit crabs with homes. Periwinkles, relatives of the mud snails, grazed on pastures of green algae growing well above the watermark.

Over the course of an hour, John and I located sea stars, green crabs, blue claw crabs, several species of algae, a few horse mussels, and shore shrimp, but found no oysters. These still-elusive bivalves prefer the areas that are least often exposed to open air. To this date I have not yet located an oyster in Jamaica Bay, though others have told me they exist here. I have little reason to doubt this, but my mind was busy with other thoughts by the end of the morning. Did the residents of the islands have the time to consider these other communities at the turn of the century? Was a homeowner or boatman, back one hundred years ago, inspecting the same pilings under their homes and boats, looking for oysters? Trudging back to the trailhead, I commented to John that it was interesting that of the two communities, only one remained alive. "It's interesting to know both are preserved here, at least partially..." he replied as we headed home.



JAMAICA BAY

GATEWAY SPORTS CENTER

Open all year

(some services seasonal)

Golf driving range, tennis courts, baseball batting cages, miniature golf, pro shop; tennis and golf lessons. Located at 3200 Flatbush Avenue (across from Floyd Bennett Field) Brooklyn, NY. Call (718) 253-6816 or 253-7106 for additional information.

JAMAICA BAY RIDING ACADEMY

Open all year

Guided trail rides, riding lessons, tack shop, boarding stalls, snack bar, summer camp and children's birthday parties. Located at Bergen Beach, 7000 Shore Parkway (between exits 11 and 13 on the eastbound Belt Parkway) Brooklyn, NY. Call (718) 531-8949.

COMMERCIAL FOOD SERVICES

Open Memorial Day through Labor Day

Boardwalk snack bar stands. Jacob Riis Park, Queens, NY. Call (718) 634-3433.

EDISON PARKING

Open Memorial Day through Labor Day

A parking lot service for Riis Park visitors; located directly across from the bathhouse. Jacob Riis Park, Queens, NY. Call (718) 474-7167.

RIIS PARK PITCH AND PUTT GOLF COURSE

Open April through November

18 hole executive golf course, club rentals and golf ball sales.

Jacob Riis Park, Queens, NY.

Call (718) 474-1623 or 253-6816.

GATEWAY MARINA

Slips, moorings, transient dockage and repairs. Located at 3260 Flatbush Avenue (across from Floyd Bennett Field) Brooklyn, NY. Call (718) 252-8761.

STATEN ISLAND

JOHN MAGGI

Operates all year

Roving mobile food and beverage trucks at Miller Field and at Great Kills Park. Also operates a summer snack stand at the Great Kills Beach Center. Call (718) 987-1196

NICHOLS GREAT KILLS PARK MARINA

Open all year

Slips and rack rentals, dinghy tie-up, transient docks and chandlery. Located at Crooke's Point in Great Kills Park, Staten Island, NY. Call (718) 351-8476

SANDY HOOK

H.S. CONCESSIONS

Call (732) 872-0025

Restaurant —April thru October.

Seagull's Nest open deck restaurant at beach center parking area D.

Beach services —

Memorial Day thru Labor Day.

Food, drinks, beach supplies, umbrella and chair rentals at Beach Areas B,C,D,&E, as well as Gunnison and North Beach.



Eastern National, a nonprofit partner of the National Park Service, operates stores at Sandy Hook, Fort Wadsworth and the Jamaica Bay Wildlife Refuge. Visitors may purchase educational books, guides and other items that relate to national park sites. Purchases made at Eastern National stores help to support Gateway programs.

National Parks Pass



Are you planning a trip to another national park this year? Although Gateway does not have entrance fees, many national parks do charge an entrance fee. To reduce your costs the National Park Service has issued a new parks pass. This pass is good for entrance at all National Park Service sites that charge entrance fees. The cost of the pass is \$50 and will admit the purchaser, spouse, children and parents. The pass is good for unlimited park visits throughout the year.

The National Parks Pass is available for sale at Gateway. Please check with the visitor center near you or call (718) 338-3688 for additional information. Purchasing this national pass at Gateway helps your local national park since a portion of the proceeds will go to support Gateway visitor programs. You can also purchase the pass online at www.nationalparks.org

GATEWAY NATIONAL RECREATION AREA

Summer 2000 Program Guide

National Park Service
Gateway National Recreation Area
Floyd Bennett Field, Building 69
Brooklyn, New York 11234

