

# New York State Department of Environmental Conservation



#### MEMORANDUM

ROM:

Wayne Elliot

BJECT:

W. H. Kelly 1981 and 1982 Acid Rain Program Results for Region 3 Catskills:

Ulster and Sullivan Counties

TE: March 1, 1983

Enclosed is a brief summary of results obtained from acid rain studies conducted in 8 streams. Detailed analysis of these results will be included in the acid rain paper now being written. In the meantime, these results will be useful in providing information on program status.

In the Adirondack studies a stream classification system was established to assess potential problem environments, and is described as follows:

pH Range

Equal to or less than 5.00

Critical. Fish populations non-existent or nearly so.

5.01 to 6.00

Endangered. Fish populations present -- often at

reduced levels.

Above 6.01

Satisfactory. Fish populations present -- no immediate problem.

Using these criteria, the East Branch of the Neversink River is critical and the other seven streams are satisfactory. We will conduct a water sampling program again in 1983. It is important to note that we conducted fisheries surveys at all water sampling stations in 1981 and found trout at all locations. This suggests the brook trout collected on the East Branch Neversink may have developed a degree of acid tolerance.

The attached 1983 sampling schedule gives more detail on the study sampling stations: County, town, station location, elevations, etc.

WHK: LE

Enc.



# New York State Department of Environmental Conservation

# MEMORANDUM

TO: Wayne Elliot
FROM: William H. Kelly

SUBJECT: 1983 ACID RAIN MONITORING STATIONS FOR REGION 3

DATE: February 24, 1983

For the 1983 March-April sampling period, 9 stations are proposed. These stations are described below in terms of: name of stream, county, file number, watershed, line ID number, township, stocked section, station location, and elevation.

- 1. Esopus Creek: Ulster #158 Lower Hudson 14980 Shandaken P848-T53 16.9 ml. Station Location: 0.2 mi above T61 Elevation 1,900 feet.
- 2. Rondout Creek: Ulster #1452 Lower Hudson 15440 Denning F55-T586 3.8 mi.
  Station Location: Bridge crossing 0.1 mi downstream from T57 Elevation 1,180 feet.
- 3. Willowemoc Creek: Sullivan #478 Delaware 04260 Rockland Mth-T13 12.4 mi. and T18-T25 2.5 mi. Station Location: Bridge crossing 0.1 mi above T27 Elevation 1,880 feet.
- 4. Fir Brook: Sullivan #479 Delaware 04790 Neversink Mth-T2 1.6 mi. Station Location: Bridge crossing 0.2 mi above mouth Elevation 1,840 feet.
- 5. Beaverkill River: Ulster #509 Delaware 04070 Hardenburg County Line T28 3.4 mi and T33-T35 1.0 mi. Station Location: 0.2 mi below T44 (Little Pond ourlet) Elevation 1,720 feet.
- 6. Beaverkill River: Ulster #509 Delaware 04070 Hardenbury County Line T28 3.4 mi and T33-T35 1.0 mi. Station Location: At T65 (Balsam Lake outlet) Elevation 2,210 feet.
- 7. Neversink River: Sullivan #107 Delaware 00030 Neversink T77-T79 1.5 mi.
  Station Location: Halls Mills Covered Bridge. 0.4 mi above 77 Elevation
  1,520 feet.
- 8. East Branch Neversink River: Ulster #111 Delaware None Denning. Station Location: At bridge 0.2 mi above T10a Elevation 2,060 feet.
- 9. West Branch Neversink River: Ulster #112 Delaware 01120 Denning Mth-T12a 9.0 mi. Station Location: Frost Valley YMCA 0.1 mi above Tg (Bisquit Brook) Elevation 1,970 feet.

dn-h

1981 Acid Rain Stream Sampling Results - Region 3

Water	Sampling Period	Total Samples	PH Range	Mean pH
Esopus Creek	3/4 - 4/21	8	6.77 - 7.02	6.90
Rondout Creek	3/4 - 4/27	9	6.06 - 6.40	6.26
Willowemoc Creek	3/4 - 4/21	5	6.79 - 7.09	6.91
Fir Brook	3/5 - 4/21	4	6.28 - 6.88	6.55
Beaverkill (Little Pd.outlet)	3/6 - 5/7	8	6.88 - 7.13	7.03
Beaverkill (Balsam Lk. outlet)	3/6 - 5/1	7	6.85 - 7.10	6.93
Neversink River	3/4 - 4/11	6	6.32 - 6.65	6.50
E.Br.Neversink R.	2/14 - 4/15	7	4.85 - 5.15	4.98
W.Br.Neversink R.	3/10 - 4/15	7	5.82 - 6.26	6.03

1982 Acid Rain Streams
Sampling Results - Region 3
Sullivan and Ulster County Catskills

Water	Sampling Period	Total Samples	pH Range	Mean pH
Esopus Creek	3/5 - 3/29	5	6.80 - 7.14	7.00
Rondout Creek	3/4 - 5/1	9	5.93 - 6.74	6.35
Willowemoc Creek	3/15 - 4/23	6	6.82 - 7.04	6.91
Fir Brook	3/15 - 4/23	6	6.14 - 6.51	6.36
Beaverkill (Little Pd. Outlet)	3/15 - 4/23	6	7.10 - 7.24	7.18
Beaverkill (Balsam Lk. outlet)	3/30 - 4/28	5	6.37 - 7.09	6.84
Neversink River	3/19 - 4/21	6	5.87 - 6.70	6.31
E.Br.Neversink R.	3/19 - 4/27	7	4.62 - 5.17	4.81
W.Br.Neversink R.	3/19 - 4/8	7	5.29 - 6 40	5.89

# Phone number (in Claryville) 914-985-7167

Datus - here are directions (Should be easy with a decent road map.

New Jersey Take to Garden State Phway (North) to N. Y. State Thruway to Harriman Turn off outo Rte 17. Go to exit 100 (Liberty, Ferndale) Follow unto Liberty Take right on Rte 55 (just as you enter hiberty)
Go Herough Bradley and Neversunk to Ceerry (11 miles) (Follow map below from there) - to Claryville WRIGHT'S down hill - up hill, (Curry) Liberty Rte 55 Wood works

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# STUDENTS' HANDBOOK

OF THE REGION ABOUT

1950

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of the region of ITHACA, N.Y.

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The founders of Cornell University, in all their traveling, could find no land as beautiful, as wild and peaceful and as suitable for a great university as this region around Ithaca. Here they built Cornell.

Go, explore the woodlands, deep gorges and high hills. Enjoy the lakes and lacey waterfalls. And when you leave, leave them as you found them, beautiful and unspoiled.

# A B O U T T H E R E G I O N



The Finger Lakes country once lay far beneath the sea. Later, it was covered with glacial ice. The ice moved down from the North, gouging deep the north-south valleys. When it melted, the deep, steep-sided valleys became lakes. The mouths of the little east-west

valleys which had not been deepened were left high above the lakes. Their streams plunged over cliffs into the lakes below. These waterfalls and cascades still exist, although most of them have eaten far back into the hills, forming gorges.



Much later, scattered tribes of Algonkian Indians occupied the region. In time they were driven out by the Iroquois Indians. The Iroquois formed themselves into a powerful confederacy which originally was comprised of five member nations. Around 1712 the Tus-

caroras were added, making the Six Indian Nations. The Iroquois were great warriors who ruled south nearly to Georgia, and west to the Mississippi. Sometimes they captured whole tribes and brought them here to cultivate their fields, for the Iroquois were skillful farmers as well as fighters. They lived in buildings in stockaded villages, and governed themselves by vote. Their highest officers were women.



The region hereabout, was the domain of the Cayuga Indians. Their trails became the routes of many of our present streets and highways. One of the principal Indian trails in this State ran along the east side of the lake, generally following State Highway No. 34,

Linn Street, upper State Street, and out the Slaterville road to so-called Cook's Corner, where it turned off to Owego.

# A B O U T T H E R E G I O N

A trace of this ancient pathway is still visible in a wooded area near Brooktondale. Spencer Street and Floral Avenue were laid down on old trails that led to the head of Seneca Lake and southward through Inlet Valley and Pony Hollow. One of the important villages of the Cayugas was established on the glacial ridge traversed by State Highway No. 13, where the overpass crosses the Lehigh Valley Railroad tracks near Buttermilk Falls. This was a large village of adopted southern tribes. It was destroyed Sept. 25, 1779 by a detachment of soldiers during the Sullivan-Clinton Indian Campaign into the wilderness country of the Six Indian Nations.

Following the Revolution, white settlers came in and a community sprang up at the head of the lake in 1789 where the Indians had formerly cultivated fields for corn. Numerous waterfalls and abundant waterpower attracted enterprising settlers. The name Ithaca was officially adopted for the new settlement.



It became important when a turnpike was cut through the forest, for it was on the main route from New York to Buffalo. Its industries thrived and a horse-drawn railroad was built to Owego through Six Mile Valley. Soon, canal boats and steam railroads made it a prosperous city.

Then agriculture and industry swept westward across America. Ithaca forgot its dreams of industrial greatness and became a center of learning.

Tiger-lilies now bloom in forgotten farmyards in the hills that surround it. In the valleys, woodchucks tunnel the abandoned railroad rights-of-way. Today the region around Ithaca is wild and quiet.



# SCENIC AND RECREATIONAL PARKS

#### Watkins Glen State Park . . .

At Watkins Glen, 28 miles west of Ithaca, on routes 14, 224, and 414. Features a trail up unique and beautiful gorge. Illuminated at night. Swimming, picnicking, and hiking.

# Robert H. Treman State Park (Enfield Glen) (E-6) ...

Five miles south of Ithaca, on route 13. Scenic gorge, with Lucifer Falls. Picnicking, swimming (bathhouse), hiking, camping, fishing.

# Buttermilk Falls State Park (G-5) ...

Lower entrance 2 miles south of Ithaca on route 13; upper entrance 2 miles south of Ithaca and  $\frac{1}{2}$  mile from route 96. Beautiful gorge and falls, pretty lake (swimming), at upper end of glen, and wading pool at lower end. Vista to campus, hiking, camping, picnicking.

# Taughannock Falls State Park (D-2) ...

Eight miles north of Ithaca on route 89 at lake shore; upper entrance on route 96. Deep canyon and highest vertical falls in East (215 feet). Good lookout ½ mile up road to Trumansburg. Playfield, picnicking, boating, camping, hiking, and a nice beach on Cayuga, with bathhouse.



# SWIMMING

Enfield Glen, Buttermilk Falls, Taughannock Falls, Fillmore Glen, Cayuga Lake State Park, Stewart Park, Six Mile—see *Parks*.

Bathhouses are located at Taughannock, Enfield, and Fillmore.

Fall Creek—upper end of Beebe Lake, at northeastern part of Cornell campus.

# SCENIC AND RECREATIONAL PARKS

#### Fillmore Glen State Park . . .

Twenty-three miles north of Ithaca; 1 mile south of Moravia on route 38. Pleasant gorge, interesting flora, swimming, camping, hiking, picnicking.

# Cayuga Lake State Park . . .

Forty miles north of Ithaca on route 89. Sandy beach on Cayuga, bathhouse, camping, fishing, picnicking, boating.

# Stewart Park and Fuertes Bird Sanctuary (G-4) ...

City park at south end of Cayuga. Birds, wild flowers, captive animals, waterfowl, swimming, playgrounds, athletics, boating, picnicking.

# Six Mile Creek (H-5) ...

City park—follow State St. to Water St., then south to lower end of park. Two trails lead up stream to two large dams. Pleasant valley, gorge, and lakes, featuring picnicking, swimming, and skating.



# PICNICKING

Each of the state parks has at least one picnic area. These are in pleasant settings, with fireplaces, drinking water, and rest rooms. Bring your own fuel or buy fuel at the park. The two city parks listed also have picnic facilities.

Many of the places listed under *Views* are good for picnicking, but water must be brought. There are hundreds of other good spots on private land. Get permission to picnic at the nearest house, burn all papers, extinguish fire, and clean up thoroughly.

# PARKS AND PRESERVES

Stewart Park and Fuertes Bird Sanctuary (See Parks)..

Six Mile Creek (See Parks)...

# Turkey Hill, Mount Pleasant, Ringwood . . .

Government land east of campus, controlled by the University. See *Hiking* and *Lodges*.

# Old Six Hundred (K-5) ...

Flower preserve; fishing, hiking, camping. Follow route 79 south and turn left one mile beyond Slaterville Springs;  $\frac{1}{2}$  mile further turn left again (dirt road).

# Michigan Hollow (G-8) ...

Federal land managed by the state. Follow route 96 south to Danby; take either of two right turns in town and go  $2\frac{1}{2}$  miles. Beaver dam, fishing, hunting (rabbits, deer, grouse).

# Arnot Forest (C-9) ...

Largest forest around Ithaca. Follow route 13 south to route 224; 224 east five miles; turn left. Register at camp. Hiking, picnicking, views.

# Connecticut Hill (C-6)

Four thousand posted acres surrounded by 7000 acres of public hunting ground. Follow route 13 south 1 mile past junction with route 34, turn west and proceed several miles to hill. (See *Views*) Good hiking, biking, hunting, fishing, picnicking.



# LODGES AND LEAN-TOS

# in the Ithaca Area

# Mount Pleasant Lodge (J-4) ...

Owned and controlled by Cornell University. Outdoor sports area and large fireplace. Indoor facilities including sleeping quarters for about 25 men and women, kitchen, convertible living and dining room. Available to groups during school year through Prof. Charles V. P. Young, Old Armory, Ext. 3717. In use during summer (1950) as American Youth Hostel, Mr. and Mrs. Warrem McKeon, Houseparents. To reach—by bike or auto, about 5½ miles from Ithaca north on route 13, turn right one mile at pine woods; on foot, see hiking section.

# Mount Pleasant Lean-Tos (J-4) ...

Two Adirondack type lean-tos and open camps near Mount Pleasant Lodge.

# Cornell Outing Club Cabin, Caroline . . .

Used by club throughout year, but available to other outing club groups. Turn left on dirt road about 1½ miles past Tar Young Hill on route 79 (Little Tuckerman Road). (Little cabin and barn are on left about 1¼ miles from highway.)

# Ithaca College Danby Camp...

(Formerly Tompkins County Recreational Camp.) Cabin accommodations for 160 plus staff. Main lodge has large cooking, dining, and recreation facilities. Playing field below camp for baseball, volley ball, etc.; lake behind dam below field—excellent but cold swimming. In use by Ithaca College during summer,





# LODGES AND LEAN-TOS

open to others in spring and fall. Available through Mr. I Yavits, Ithaca College Phys. Ed. Department, 120 E. Seneca Street, 2549. To reach—follow route 96 to about four miles south of Danby village; turn right on paved road and follow signs to camp.

# Buttermilk Falls State Park (G-5) ...

Lean-to and fireplace at Upper Buttermilk (Treman Lake) for picnickers' use. Lean-to about half way to bottom of gorge, set above stream on south side of gorge. A camp site, with lean-tos, trailer and tent sites is available in the lower part of the park. Superintendent at lower entrance to park handles reservations and has additional information, 9579.

# Robert H. Treman (Enfield Glen) State Park (E-6) ...

One small lean-to in "Beer Garden" at Upper Enfield, available for parties and picnics. Lower Enfield has 12 single room cabins, 9' x 21'. Tent and trailer sites are adjacent to the cabin area. Very reasonable rates. A picnic shelter housing 80-100 will be completed in the lower park in July, 1950. For information or reservations, contact the Superintendent's office in the park, 4-3019.

# The Finger Lakes Park Commission . . .

109 N. Tioga Street, 8750, also handles reservations for the state park campsites.

Scheduled for opening at some future date are a chain of hostels, in addition to the one at Mount Pleasant Lodge. The Carriage House at Taughannock Falls State Park is one of these.



# VIEWS TO ENJOY

#### South Hill ...

 $\frac{1}{2}$  mile east of route 2. Two miles from campus.

# Eagle Hill . . .

1/2 mile south of route 393. Two miles from campus.



# VIEWSTOENJOY

# Turkey Hill . . .

Three miles due east of campus (see Hiking).

# Highway 34A...

 $1\frac{1}{2}$  miles north of campus.

#### Mount Pleasant . . .

(see Hiking).

#### Bald Mt....

In Brooktondale turn right, then left onto a dirt road that soon climbs. Use map as a guide.

#### West Danby ...

In Danby take first road to the right, go 21/4 miles, turn right, go another 1/4 mile.

#### Padlock Fire Tower . . .

Sixty-eight ft. tower open to the public. On Blackman Hill. Turn south at Caroline and keep to the left from there on.

#### Arnot Forest Overlook . . .

Just beyond the forest entrance, turn left up steep hill. At junction turn left again (see Preserves).

# Connecticut Hill . . .

Turn right from route 13 one mile after 13 leaves route 34. Just beyond Trumbull Corners, turn left. At the next 2 forks, keep right.

# Taughannock Rim ...

Take trail along northern rim.





# HORSEBACK RIDING

#### ROTC Stables ...

Students enrolled in riding classes receive one and one-half hours of lessons per week, and may ride one hour per day Mon. through Fri. and Saturday afternoon. The charge is \$30 for 5 months. Trails through Varna, Turkey Hill, and Forest Home.

#### Basil Riding Academy . . .

128 W. Falls St. Horses are rented at rates \$1.00 per hour Mon. through Fri. and \$1.25 Saturday and Sunday. Instructors are available on order. Trails through Stewart Park, Bird Sanctuary, and West Hill.

#### Wm. McMillan . . .

Inlet Road (route 13). Horses for rent to recommended persons. Horses boarded. Trails in Enfield Park.

# Airy Acres Riding Club . . .

On Dryden Rd. (route 13). Horses for hire, guide furnished, riding instruction, sleighing, ski-joring, Saturday and Sunday cross-country parties, hay rides. Trails within six miles of Mt. Pleasant.



# GEOLOGICAL VENTURES

The geology of the Ithaca region is very interesting. Cayuga Lake was a river bed in preglacial times and was deepened considerably by the glaciers. After the glaciers had started to receed, but still blocked the north end of the valley, the lake level was at the height of Baker Lab, and the drainage was to the south. When the glacier left the north end of the lake completely, the drainage shifted to the north where it is now, and the lake went down to near its present level. The campus is built partially on an ancient delta, and Ithaca is on a recent one. Cascadilla creek has pegmatite dike near the College Ave. bridge.

#### Morainic Ridges . . .

The valley 5 miles south of Buttermilk falls on rt. 34 is filled with morainic ridges.



# GEOLOGICAL VENTURES

# Valley Train Moraine (H-4) ...

Go out past Varna and turn left just the other side of the underpass. An interesting moraine and also a very pretty place, nice for picnics.

#### Taughannock Gorge (D-2) ...

The gorge has the typical outcropings and dikes of the area plus one of the few faults in the region.

#### Portland Point . . .

An outcrop of Tulley limestone and a fault may be found here. The limestone and the shale below it contain many fossils of Brachiopods, Trilobites, Crinoids, and Coral. There is also a pegmatite dike here.

# Poney Hollow (C-8) and Brooktondale (J-6) ...

Mastadon teeth and a tusk have been found here.

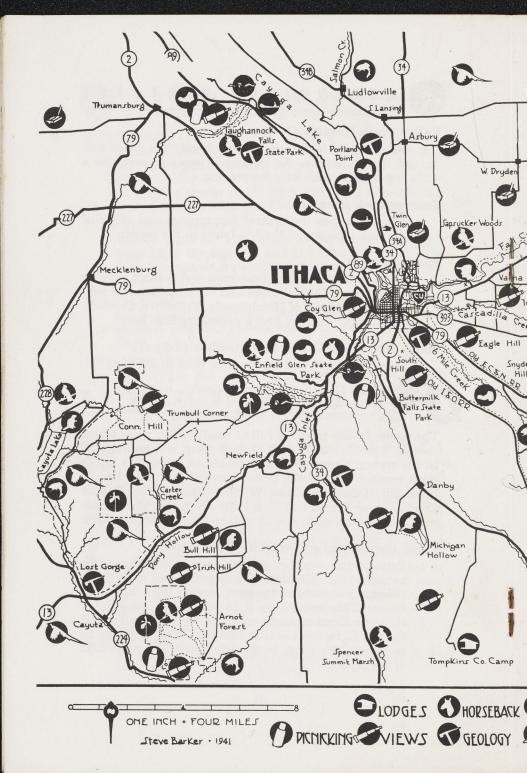


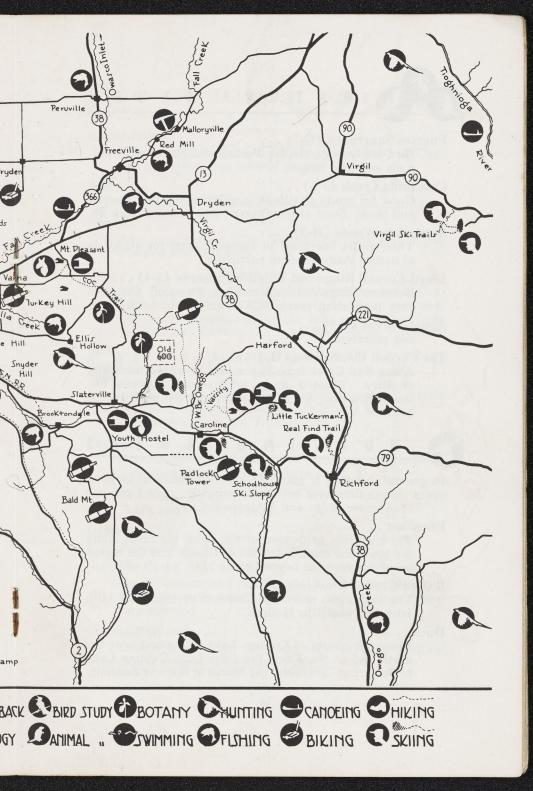
# NATURE STUDY

The whole Ithaca region is full of small "wild" areas which contain a wonderful variety of both plant and animal life. In the spring, Lampreys spawn in Inlet Creek. The ponds often contain Stickleback nests. Beavers may be found in Michigan Hollow, McLean Wildlife Reservation, Cayuta Creek, Carter Creek, and Bull Hill. Deer, fox, skunk, raccoon, and woodchuck are abundant throughout the area.

# Lloyd-Cornell McLean Wildlife Reservation ...

Perhaps the most interesting area in the region for nature study. Consists of sphagnum and grass bogs, swamps surrounded by both conifer and deciduous forest. This reservation is 15 miles from Ithaca, out rt. 13 to Dryden, north on route 38 to Freeville, and then N.E. to 366 towards McLean. The bog may be seen from the road, to the left about two miles S.E. of McLean.







# NATURE STUDY

Fuertes Sanctuary (G-4) ...

Bird study is good (See Parks) also has captive animals and wild flowers.

Cascadilla Creek (J-5) ...

Good for study of plants, amphibia, reptiles, insects, and birds. Start at tennis court and follow stream up.

Sapsucker Woods (H-3) ...

Three miles northeast of campus; good for all kinds of nature study, birds in particular.

Lloyd-Cornell Ringwood Wildlife Preserve (J-4) ...

Between Ringwood road and Mt. Pleasant. Contains very interesting ponds full of amphibia, turtles, etc.

Arnot Forest (C-9) ... See preserves.

The Cornell Plantations (H, I-4) ...

Along Fall Creek from Beebe lake to within two miles of Etna. Planted areas interspersed between untouched areas. Very interesting, particularly to the botanist.



# HUNTING AREAS

In general, hunting is good. Grouse are plentiful in good years. Many deer have been taken recently.

(See under Maps and Information.)

Pheasant ...

Try the grain fields west of the Lake, the fields along the town line road, northeast of Ithaca, and the region bordering route 13 beyond route 224.

Ruffed Grouse (Partridge) ...

The best areas surround Connecticut Hill, Bull Hill, Irish Hill and Ellis Hollow.

Duck ...

Along the shores of Cayuga Lake, the marshes at the north end of the Lake, the Inlet from Cayuga Lake to Butternut Creek, and the Marsh at Spencer Summit.



#### Cottontails . . .

The farmlands north of Ithaca on both sides of Cayuga and the region around Cayuta Lake.

#### Squirrels . . .

Connecticut, Irish and Bull Hills.

#### Fox ...

The hills around Ellis Hollow, Caroline and in the Connecticut Hill area.

#### Deer ...

The fields and woods beyond Varna, on Bull, Connecticut and Irish Hills, near Bald Mountain, near the Arnot Forest and in the hills and valley from VanEtten to Cayuta and from Waverly to VanEtten.

# FISHING SP

In general, it's excellent. The rainbow trout of certain nearby streams are among the world's largest.

(See under Maps and Information.)

# (See under Maps and Informat

# Cayuga Lake ...

Pike, small-mouth black bass, rock bass, yellow perch and a few lake trout at northern end.

# Cayuta Lake . . .

Perch and wall-eyed pike.

# Dryden Lake ...

Pickerel and large-mouth black bass.

# Six Mile Creek ...

Brook, brown and rainbow trout from second bridge above reservoir to upper end of "600" and in tributary streams.

# Cascadilla Creek ...

Brown trout from fish hatchery to Ellis Hollow. Brook trout in springs and feeders.



# FISHING SPOTS

#### Fall Creek . . .

Lake bass (small-mouth) from Cayuga Lake to Ithaca Falls. From Groton City to Lake Como (off map), brown and rainbow trout with brook trout in the smaller tributaries.

#### Virgil Creek . . .

Small-mouth black bass and pickerel from its junction with Fall Creek to Dryden Lake.

#### Owego Creek ...

Small-mouth bass and a few pickerel.

#### Salmon Creek . . .

Mouth to source, browns and rainbows.

#### Cayuga Inlet . . .

Suckers near mouth. Browns and rainbows from Butternut Creek to sources.

#### Butternut Creek (Enfield Glen) ...

Brown trout from junction with Cayuga Inlet to source.

# Newfield Stream (West Branch Cayuga Inlet) . . . Brown trout. Brook trout in spring feeders.

# Cayuta Creek . . .

Brown trout from Alpine southward.

# Taughannock Creek . . .

Suckers from Cayuga Lake to first hole above highway 89 during Spring months.

#### Owasco Inlet ...

Large rainbows (up to 13 lbs.) from Owasco Lake to Locke. Brown trout from Locke to headwaters. Locke is off map, 9 miles north of Peruville.

# Grout Brook ...

Large rainbows from Skaneateles Lake to headwaters. Off map.

# Catherine Creek . . .

Monster rainbows from mouth to source. Seven miles west of Alpine; inlet of Seneca Lake. Off map.

# Boat and Canoe Livery . . .

Johnson's, foot of Willow Ave., at end of Cascadilla Creek.



# CANOEING TRIPS

# Montezuma Wild Life Refuge ...

Interesting swamps to paddle around in if interested in birds. Northern end of Lake Cayuga.

#### Cayuga Lake ...

Excellent in calm weather. Stay near shore. Frigid, benumbing water and quick squalls make it treacherous.

#### Fall Creek (J-3) ...

For experienced white-water canoeists only. Best in April, May. Can start at Freeville or McLean. Best place to put in is the first concrete bridge on the road going from Freeville to Etna where two streams come together. Stop at Varna. The last mile is hazardous at high water. Inspect it before running it. The Creek from Varna to Forest Home is very dangerous because of the difficulty of landing above dams and impassable stretches.

#### Other Small Streams . . .

There are several other fast, attractive streams nearby. Be cautious. Keep on the alert for barbed wire strung across them.

# Tioughnioga, Chenango...

Athens

Ninety-five miles. Nicest trip in area. Start at Cortland (22 miles from Ithaca). Stop at Sayre (40 miles from Ithaca). Or continue to Baltimore. Tioughnioga very attractive, mixed smooth and rapid. Otselic (flows into the Tioughnioga) is also very nice. Chenango pleasant, moderate current. Susquehanna fair, moderate or little current.



Binghamton

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# BIKING SUGGESTIONS

The country roads to the north and north-east are quite level and very good for cycling. Bikes can be rented at Shepard's bike shop, 115 N. Tioga St. A good highway map is invaluable.

# Connecticut Hill (C-6) ...

See Preserves.

# Taughannock Falls (D-2) ...

A very nice trip. There are picnic grounds and lots of room for baseball. Cross Ithaca and follow rt. 89 along lake to Taughannock, turn left just north of falls and go up hill to rt. 96. Follow 96 along ridge to Ithaca. Total mileage about 18 mi.

#### Salmon Creek (F-2) ...

See Hiking. Round trip about 15 miles.

#### Arnot Forest (C-9) ...

See Preserves. Round trip about 30 mi.

# Ashbury Church-West Dryden . . .

North along Triphammer to end. Turn left, continue to Ashbury Church. Turn righ, pass school to West Dryden. Turn right at West Dryden, coast 3 mi. to Etna Rd. Turn right for Ithaca. Round trip about 18 mi.

# Snyder Hill . . .

Ellis Hollow. Go out Take first Mitchell St. right beyond old railroad bed. Take next left over summit of Snyder Hill. At end, take steep, rutty, downhill road to right to Slaterville Road. Go left to Slaterville. Go back to first road to right, which returns to Ithaca via Ellis Hollow. Round trip about 20 mi.





Fall Creek-Monkey Run (H, I-4) ...

The area on Fall Creek just before one gets to Etna going upstream is commonly called Monkey Run. Go through Forest Home, follow south shore of Fall Creek to a cable suspension bridge; cross it and follow north shore of creek to heavily eroded cliff-like area. Follow bed of stream. Return by following south shore and cutting over to highway 13.

Cascadilla Creek (G, H, I-41/2) ...

From University Ave. to College Ave. there is a maintained trail. From road that leads out to the Artificial Breeding barns several bridal paths parallel Cascadilla creek starting near the Fish hatcheries, on the south side.

Six Mile Creek (G, H, I-6) ...

Starting on the south side near the Hospital is a fine trail up to the first dam. Here one crosses above dam and follows trail on the north side of stream up to the 2nd dam. This is a particularly good trip offering geological and botanical study. From there a trail goes back to highway 13.

Turkey Hill (I-4) ...

After leaving East Tower road head S.S.E. till you get to highway 13 and cross it. Keep going in this direction, cross road and climb the hill. Another route is to go by way of the game management area which may be reached from the bridal paths on the south side of Cascadilla creek.

Mt. Pleasant (J-4) ...

Climb Turkey Hill. At top take dirt road to McAdam road. Turn east. When the telegraph line crosses the road diagonally follow it N.E. to another road. Lodge and top of hill (radio tower) is to the right.

East Shore of Cayuga Lake (G-3) ...

Following Stewart Ave. extension through Cayuga Heights one passes on open area giving a good view up the Inlet and the harbor of Ithaca. Past this point bushwack into the woods on the left side of road



keeping a northerly direction. Soon Twin Glens is found which is best circumvented by following around to the east. Past this point head north by west until highway 34 is reached. Cross it and head in again until you reach a road. Cross road and take sideroad. At end of trailer site head in again and descend till you reach the railroad tracks. Follow tracks north to a point about ½ mile from the cement plant and look for two ciny caves in the cliff above you. At the cement plant, geological formations and fossils may be studied. A good rugged trip requiring some scrambling up and down through gorges where the railroad bridges have been taken out.

Enfield Glen (E-6) ...

Located about 6 mi. south of Ithaca on route 13. It is one of the nicest of the glens. There are trails on both sides of the stream.

Arnot Forest (C-9) ...
See Preserves.

C.O.C. Cross Country Trail . . .

A route of travel has been established but at this time not all of the trail has been marked. The route starts at Ringwood or at Mt. Pleasant and goes to the COC Caroline Cabin in Robinson Hollow.

Lick Brook (F-6)

This is a minor but very nice glen in the Cayuga Inlet.. The approach is found ½ mi. north of the junction between route 34 and 13 and on the other side of Enfield Glen. (E. of route 13). This glen is not developed, no trails exist.

Treman Lake-Buttermilk Falls (F-5) ...

The entrance to this park is on the east side of route 13 about 4 mi. south of Ithaca. A trail follows the south side of the falls to the top where a road is found. On the other side, still keeping on the south side of the stream, a trail goes to the Treman Lake, campsite.



# Salmon Creek (F-1) ...

Going out of Ithaca (north) by car or bicycle follow route 34 to where it forks. Take the left fork (rt. 348) to heavy steel bridge. You are now over Salmon Creek. By following stream on foot upstream, one comes to a very beautiful waterfall about 35 ft. high.



THE ARMOT FOREST

#### Coy Glen (F-5) ...

Where State street forks into three parts take the left fork up the hill and follow up to the level of the land. Turn left through some cow pastures until a deep lying stream is found. This is Coy Glen. Follow it down by a path to where it reaches the highway. Following the road to the left takes you back to town.

# Connecticut Hill . . .

See Preserves.

# Tar Young Hill (L-7) ...

At Caroline. Eleven miles out State St. route 79. Snow reports in Daily Sun and at Willard Straight Hall. Cost: 50¢ per week day, \$1.50 Saturday or Sunday—\$5.00 per season.

Tows: 1500 ft. intermediate and 500 ft. beginners. A variety of slopes and trails to suit the beginner or expert. The 1500 ft. slope has a drop of 500 ft. and a width of 450 ft. The two trails, Forest Slalom and Peer are approx. 1800 feet and 30 feet wide. Fifteen and thirty-five meter jumps are used by the varsity and others with special permission.

(Tows operate 1-5 week days, 10-5 Sat. and Sun.)



# SKIING-TRAILS AND RUNS

#### Snow Crest—Cortland . . .

Turn right at Virgil and follow signs for about 4 miles. Snow reports: Lang's Farm — Cortland 2371-R-1. Cost: \$1.00 per day or \$5.00 per season. Tows; 925 ft., operates weekends and evenings. An excellent intermediate slope where the snow lasts. Run by the Cortland Ski Club, will accommodate 400.

#### Golf Course ...

Excellent for novices. Easily reached for novice skiing and tobogoning.

#### Library Slope ...

The center of "after-school" of the Cornell Ski School.

# C.O.C. Cross Country Trail . . .

Starts at Mt. Pleasant Lodge and runs for 10 miles to C.O.C. cabin near Little Tuck. Runs through fields, hills, woods, and underbrush.



# Little Tuchermans Slope and Trail (M-6) ...

Turn left off route 79 about  $1\frac{1}{2}$  miles past Caroline and after crossing 2 bridges and county line, turn on dirt road. Hill is 2 mi. further on right side of road. It has a length of 1700 ft. and a drop of 500 ft. to make it one of the best hills in the area. The snow lasts much longer than any other nearby areas and provides spring skiing into April.

# Mad Duchman Racing Trail (L-7) ...

An expert trail used by the varsity. Steep, ½ mile long and quite tricky. Use with caution. One-half mile past Tar Young Hill on the right side of route 79.

(For Ski School, seep page 23)

# MAPS AND INFORMATION

You will want maps, especially the U. S. Geological Survey quadrangles Ithaca and Dryden. They cost 20¢ at the Cornell Co-op, the Triangle Book Shop, and the Corner Book Store.

Maps of the city and folders containing maps and information about the region can be obtained at the Chamber of Commerce (210 North Aurora St.).

A good map of the Tompkins County highway system can be had at the Courthouse (Court and Tioga Sts.), County Supt. of Highways, 50¢. Literature concerning the State Parks can be obtained from the Finger Lakes Park Commission office (109 N. Tioga St.)

Youth hostel information can be obtained by writing to the America Youth Hostels headquarters, 6 East 39th St., N.Y. 16.

Hunting and fishing licenses and a syllabus of the game laws are obtained from the County Clerk at the Courthouse (at Court and Tioga Sts.)

"Ithaca" by H. E. Abt is a history of the region. It is in the libraries.

The DeWitt Historical Society of Tompkins County, 2nd floor, Old Court House has museum and library devoted to Tompkins County history. Open Thursdays and by appointment.

SKI SCHOOL: - A ski school will be conducted from the 1st week in December to the latter part of March - one two hour period per week for 10 weeks at \$5.00 for the course. Instruction will be given mostly on the Library slope on an afternoon an evening schedule, and some actual practice on the Tar Young Hill at Caroline will be included if at all practicable. A three day registration period at Willard Straight will be announced, and enrollment will be limited.

