

Carl George Collection

5 boxes; Donated 2/2006

Prepared by Jayne Hanson, April 2011

Biographical Note:

Carl J. George is a Union College Biology Professor Emeritus (retired as of 2/2008). He received his PhD from Harvard University in 1960. Research interests: Ecology and Natural History of Aquatic (including marine) Habitats with special reference to birds, fishes and other vertebrates; role of graphics in science; early natural history of the Americas.

Scope Note:

This collection includes:

- 1) Bulletins, reports, maps and informational booklets and brochures pertaining to Ground Water Supplies and Quality Studies and The Great Flats Aquifer.
- 2) Mining Pit surveys, impact statements, articles and letters pertaining to the environmental issue of gravel mining, specifically that of Bonded Concrete.
- 3) Descriptive Booklets of the canals, lakes, rivers and wetlands of New York State and the Region
- 4) Letters and informational lists written by Vincent Schaefer regarding environmental and historical value of the Great Flats area.

Key words:

Aquifer
Barge Canal
Bonded Concrete
Erie Canal
Geologic Maps
George, Carl J.
Gravel Mining
Great Flats Wetlands
Ground Water
Ground Water Resources
Mohawk River
New York State Canals
Public Water Supply
Schaefer, Vincent
Springs and Wells

BOX LISTS – Carl George Collection

Box 1 of 5 (ground water studies, Vincent Schaefer memo on The Great Flats – 14 items)
Schenectady Aquifer (Part One)

NYS Department of Conservation, Water Resources Commission

- Ground-Water Resources of Eastern Schenectady County, bound bulletin, 1965
(2 copies)
- Ground-Water Resources of Schenectady County, bound bulletin, 1952
- Ground-Water Resources of Schoharie County, bound bulletin, 1950
- Ground-Water Resources of Rensselaer County, bound bulletin, 1950
- Ground-Water Resources of Columbia County, bound bulletin, 1951
- Ground-Water Studies in Saratoga County, bound bulletin, 1963

The Great Flats Aquifer, a Unique Source of Pure Water in Schenectady County,
Bulletin, 1979

The Flowing Springs of Glenville, N.Y., Seventh Report of the Town Historian, 1933

Vincent J. Schaefer

- Report and newspaper articles regarding the need for preservation of the Great Flats Wetlands, 1971
- List of prehistoric, historic and other features and designated on attached maps

U.S. Geological survey Maps

- Map of Schoharie County showing location of springs and wells, undated
- Geologic Map of Schoharie County, 1947
- Geologic Map of Columbia County
- Contour Map of buried rock topography in western Columbia County, undated

Box 2 of 5 (3 water supply studies, unfolded documents, ground water map – 16 items)
Schenectady Aquifer (Part Two)

U.S. Department of the Interior, Quality of Public Water Supplies of New York,
1974 report and 1975 report

NYS Department of Environmental Conservation,
“Classifications and Standards of Quality and Purity for Waters of New York
State,” Nov. 1968

U. S. Geological Survey
- Handwritten Notes, “Quality Public Water Supplies of
New York,” May 1972-May 1973
- Ground Water in New York, Bulletin/Map, 1964 (2 copies)

NYS Department of Health, Comprehensive Public Water Supply Study for Schenectady
County, Mar. 1970

The Water Supply of Schenectady, New York, A Geologic and Engineering Report, 1929
(Original booklet and 1 copy)

Department of Water of the City of Schenectady, New York
- Water Rules and Regulations, booklet, 1968
- Annual Reports
- 1/1/1962 – 12/31/63
- 1/1/1964 – 12/31/65 (2 copies)
- 1/1/1966 – 12/31/67
- 1/1/1968 – 12/31/69

Profile of an Aquifer, 2 page description from ECOS News (10 copies)

Schenectady County Aquifer Preservation Strategy Program, Draft Report,
Final Report, Aug. 1980

The Great Flats Aquifer, a Unique Source of Pure Water in Schenectady County,
Mar. 1979 (2 copies)

BOX 3 of 5 (largely printed monographs – 11 items)
Schenectady Aquifer (Part Three)

New York State Department of Environmental Conservation

- Ground Water Resources, Allegheny River Basin and Part of Lake Erie Basin, booklet, 1974
- Upstate New York Groundwater Management Program

New York State Department of Health, Water Pollution Control Board, Mohawk River Drainage Basin Survey Series, 1952

U.S. Department of the Interior

- Geological Survey, Groundwater Booklet, 1979
- Bibliography of Ground Water Resources of New York Through 1967

Prattsville, New York

Final Environmental Impact Statement, Office of Electric Power Regulation, Vol. I and II, July 1979

Mohawk River Water Supply, Latham Water District
Information Booklets (2 copies), 1969

Mohawk River Water Supply, Latham Water District
Adirondack Water Works Conference Tour Information Booklet

Schenectady County Environmental Advisory, Flood Assessment
Task Force, 1978+

Water Resources of a Western New York Region, A Case Study, 1960

Box 4 of 5 (2 DEIS reports, unfolded documents – 19 items)
 Schenectady Aquifer, Bonded Concrete (Part Four)

Bonded Concrete

- Topographic cross sections of proposed mining pit, survey, Nov. 1984
- Environmental Impact Statements, 1985
- Records of Subsurface Exploration, 1984
- Report regarding monitoring of gravel pit, 1986
- Mine Phasing Plan, 1985
- 5-S Pit Mined Land-Use Plan, rev. Apr. 1989
- Draft Environmental Impact Statement and Appendices, Apr. 1989

NYS Department of Environmental Conservation, Notice of Completion of Draft EIS,
 1989

Article and letter regarding gravel mining and water supply near Scotia's water supply,
 1985

"The Hydrological Effects of Gravel Mining in an Area West of London, United
 Kingdom," article, 1984

"Correlations between Dredging Lakes and Groundwater in Well-Drained Gravel,"
 Discourse, 1980 (2 copies)

U.S. Geological Survey

"The Interaction of Lakes with Variably Saturated Porous Media," Water
 Resources Research, 1983

"The Effects of Gravel Pits on the Hydrodynamics of Underground Water,"
 Article in French and English, 1975

Various newspaper articles regarding gravel mining, 1987

Comments from Schenectady Chemicals, Inc. law office regarding DEIS filed by Bonded
 Concrete, 1989

Society for the Preservation of Water Resources, letter regarding completion of DEIS of
 Bonded Concrete, 1989

Letter from Vincent J. Schaefer commenting on plans to reopen gravel pit, 1989
 (2 copies)

Town of Glenville, Water and Gravel

- Ideas and Issues
- Letter of recommendations, 1985

Box 5 of 5 (documents, printed booklets – 24 items)

Lakes, Rivers and Other Wetlands – New York State and Region

U.S. Department of the Interior

Hydrology and Environmental Aspects of Erie Canal (1817-99), pb book, 1976

NYS Department of Transportation

- NYS Barge Canal, Lock numbers and locations
- Information on Operation of Locks, 1973
- Captain's Log, NYS Canals (2 copies)

Handwritten notes on the history of boats and canals

The Story of the New York State Canals, booklet, 1925 (2 copies)

Crossroads and Canals, The History of Clifton Park, 1975 (2 copies)

Waterford Locks, historical article, 1826

Engineering the Erie Canal article, 1986

NYS Canal Board, "Canal Times" news publication, 1989

Smithsonian Institute memo regarding the confluence of the Hudson and Mohawk Rivers
 With reference to the canal importance, undated (2 copies)

Ship Canals and Aquatic Ecosystems, article, 1971

NYS Department of Conservation

"Buried Preglacial Ground Water Channels," article, 1949 (original and 1 copy)

Erie Canal Days, A Pictorial Essay/Albany to Buffalo, 1975 (2 copies)

Camillus – Erie Canal Town Park, brochure, 1983

Various Visitor Brochures, canals (5)

NYS Barge Canal Maps (2 copies)

NYS Canals – Recreational Map, 1987 (2 copies)

New York Inland Waterways Map, 1978

Miscellaneous river and canal maps, history and information (folder)