

11/5/24

Engineering

Civil Engineering

James J. Doland Papers, 1940-1960

Box 1:

Correspondence, A-Z (24 folders), 1947-60

General Correspondence, 1946

General Correspondence, 1948

Personal Correspondence (8 folders), 1946-58, including diary, 1947-49

Air Transport Division, ASCE. 1946-49

Alumni Project Review Committee, 1940-43

American Institute of Consulting Engineers, 1943-47

American Society of Civil Engineers, 1930

Biographical Material, 1960

British Guiana Sand Tests, 1941

Brown Ford Bridge: High Water Gage Readings, 1943

Champaign County, 2 mile slough, 1948

Department of Civil Engineering, 1947

Box 2:

Doland, Guillou, and Cooperative Research: Diary, 1951

Engineering Notebook and Notes

Farnham Correspondence, 1946

Farnham, George, 1950-58

Francis Engineering Company, Reports, 1946-47

Frequent Analysis of Hydrological Data, Mailing List, 1952-53

Geological Survey: Requests for Circulars, 1950-60

Graduate College, 1948-57

Graduate Committee, 1955-56

Guillou, John C., 1951-58

Hamilton, Wallis S., 1950-52

Howland, W. E., 1950-51

Hydrological Studies of Urban Watersheds, Mailing List, 1953-54

Johnson, William L., 1947

National Bureau of Standards, 1949-57

Newmark, Nathan M., 1958

Parvis, Merle, 1951-52

Personal Correspondence, W. W. Horner, 1943-47

Railways, C. M. St. P., 1939-41

Resource Development, 1945

Response to "Hydro Power Engineering Book", 1954

Ronald Press Company, 1950-55

Sells, C. H., Inc., 1943-58

Soil Conservation Service, 1946, 1952-53

Springfield Airport (5 folders), 1946-47

Correspondence concerning the design and construction of an administration building and airport terminal development.

State Water Survey Division, 1940-46

Student Employment with Doland Recommendations, 1950-56

University Clearing Papers (TVA trip), 1951

Union Electric Company of Missouri, 1946

Correspondence relating to a flood of the Osage River above Warsaw, MO, between May 19 and June 1, 1943. The documents show, according to J. J. Doland, that the flood damage was caused by the unprecedented rainfall which occurred in May 1943, and would have happened as a result of the natural flow conditions in the Pomme de Terre and the Osage regardless of any conditions caused by the construction of a dam at Bagnell.

Union Electric Case, Bagnell Dam, (flood profiles), 1943

(Backwater curves), 1930

Correspondence, 1943-48

Union Electric Company of Missouri, Hydrographs & Profiles, 1945

Union Electric Case, (Rating Curves), 1943

San Jacinto Dam, 1944

Cross Section, Osage River Plane, OH 16-205, 1931, 1932, 1946

Nos. S & W 25 to 35 and P.T. 0 to 3

Cross Section, Lake of the Ozarks, NOs of 15-17-18-123, 1931

Farm Maps, 1945

Charts, H-1528 to H-536M, 1946

Miscellaneous Information, 1946

Water Power Text, 1943-46

Water Supply Engineering Book, 1946

Waterway Experimental Station, 1953

Vicksburg, MS, 1948-56

Box 3:

Experimental machine gun carrier: designs, 1940

Airport Pictures - Willard Airport (Professor Doland was the supervising engineer in charge of the construction of the University of Illinois Willard Airport during World War II. Pictures show the construction site, buildings, and personnel responsible for the construction.), 1944-45

M. F. Tigrak (of the Picsataqua Manufacturing Corp., to Prof. Doland): Report on Industrial Buildings of the University of Illinois Airport, 1941

Plans for Construction of the University of Illinois Airport, December, 1943

Airport Drainage: Reports and Designs, 1942

Airport, Construction Contracts and Designs, 1943

Construction Contracts and Designs (Construction contract, Designs of tank installation and of pavement underdrain), 1943-44

General Correspondence (3 folders), 1945-46

Outline of Fundamentals of Airport Design (memorandum on the future of aviation in its airport design), 1944

Water and Gas Supply Systems (report on the design, description, and development), undated

The American City, October, 1944

Airport, Designs of Airport Runways (a report issued by the engineering section office, Chief of Engineers, U. S. Army, Washington, D. C.), January, 1941

Reports on the Zoning and Management of Airports, 1944

Weather and Private Piloting of Aircraft, undated

Fueling and Criteria for Dispersed Airdromes, undated

Legislation for Aviation, 1944

Concrete Airport Pavements (2 reports), 1942, 1949

Airport Dedication (correspondence dealing with the preparation of the events for the Friday, October 26 airport dedication, 4 folders), 1945

Doland, J. J., Personal Correspondence, 1945

Farnham, George W. Correspondence (correspondence between Farnham, President of the Roland Press Co., with Prof. Doland concerning the publication of books in the field of engineering, 4 folders), 1947-49

Generators and Electric Energy (a treatment of the general features, construction, and efficiency of generators; economic aspects of a hydroelectric development; and production of electric energy), 1950

Box 4:

Drainage and Water Profile of the Mississippi and Plum Rivers (including blueprints of the daily discharge record of the Plum River near Savanna, Illinois for the period October 1, 1938 to August 12, 1939), 1938-43

Mississippi River: Gage Heights, 1938-43

Upper Mississippi River Improvement, Designs by the Corps of Engineers, U.S. Army, 1928-36

U.S. Government Explosives Plant "C", River Pumping Station Area "T", Photocopies of original designs, 1939

Plum River Survey, Stream profiles, 1939-40

Iowa Flood Damage Studies, 1928-39, Upper Mississippi River Improvement Designs

Upper Mississippi Improvement Designs, 1928-39

Lansing, Iowa Project, Memoranda on the Iowa-Wisconsin Co. (2 folders), includes claim, designs and gage readings obtained during the period 1934-38, 1945

Hungry Horse Project, 1947

Description of the Powerhouse and an evaluation of its efficiency. Columbia Fall, Montana, 1947

Platte River Studies (5 folders), 1901-31
Vermillion River, Designs of different section for a survey of the river for flood control, (2 folders)
1951
Highway Drainage Project, (2 folders) 1946-51
Research, policies and procedures
Highway Research, (2 folders) 1947-49
Highway Drainage Research for the study of rainfall, infiltration and development of a
procedural analysis for the application of hydrologic data to design based upon
quantity and frequency. Proposals and plans for the enlargement of the Hydraulic
Engineering Laboratory.
Drainage Research, 1946-49
Storm drain research and drainage of express highways supervised by Carl F. Izzard,
Highway Research Engineer of the Public Roads Administration
Correspondence, 1950-July 1951, Highway Drainage Research Project
Van Gorp, Dick, Chief Subway Engineer, Department of Subways and Superhighways, Chicago.
Correspondence with Professor J. J. Doland concerning the highway drainage research,
1947-49
Tapley, G. S., Bureau of engineering, Los Angeles, California, includes experimental work on
overland flow from paved and turf surfaces and with analytical studies of flow in gutters.
Mechanics of inlet flow, J. C. Guillou, Research Associate, Department of Civil
Engineering, University of Illinois, 1946-47
ARMCO Drainage and Metal Products, Inc., Business correspondence, Highway drainage research,
1947
Brown, Fred, Highway drainage research
City of Chicago Subways and Superhighways, Report on water carrying capacity of gutters and
shoulders, 1946
Commerce, U.S. Department of, Highway drainage research
Guillou, J. C., Highway drainage research, 1947-49
Laboratory Construction Memoranda, Research tests of drainage structures for highways, Electric
Oven, laboratory experiment notes, 1948
Massachusetts Institute of Technology, Study of the flow of Bentonite in suspension through a
model of an inlet grating, 1947-48
National Research Council, Design and capacity of gutter inlets, business correspondence, 1947-48
Highway Drainage Research, Investigation and tests relating to hydraulics and hydrology, as
involved in highway design, construction and maintenance, Project undertaken by the
University of Illinois in agreement with the Illinois Division of Highways, 1947-50
Highway Research, correspondence, 1947-49
National Petro-Chemicals Corporation, Water Supply Report, August 1951
The Pelton Water Wheel Co., Surge suppressor for connection with a pipeline in the city of
Jacksonville, Illinois, 1954
Pumps, correspondences on the subject of new pumps for the expected expansion of the Hydraulic
Engineering Laboratory, 1947-48

Turbines: efficiency, power and design, 1951

Hydroelectric unit, Problems on speed regulation, potential and kinetic energy, efficiency, turbine characteristics, velocity and power

Hydraulic Engineering Laboratory, business correspondence, 1947-49

Box 5 (Oversize):

State of Illinois Forest Preserve DuPage County Restoration of Graue Water Mill Job 44 Blueprints, 1937

Box 6 (Oversize):

Department of Interior National Park Service, New Salem State Park, Petersburg, Illinois, Restoration of Camron Rutledge Mill blueprints, 1938