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Engineering
Civil Engineering Department
Thomas H. Thornburn Papers, 1945-1975

Box 1:

Correspondence, (24 folders), 1950-74
Relating to equipment, geology, manuals, meetings, publications, questionnaires, research proposals and grants, soils research, recommendations, testing, texts and related topics.

Box 2:

Departmental Business Correspondence, (17 folders), 1950-68
Including soil mechanics activities statements, college and department memos, committee reports, curriculum studies, faculty newsletters, budget notes, space, campus meetings and related topics.

Box 3:

Departmental Business Correspondence, (7 folders), 1968-75
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Baker Award Dinner, 1956
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BUILD: Conference on Transportation, 1965
Canada Talks, 1963

Box 4:

Chicago-West Superhighway Correspondence, 1950
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Chicago Stratigraphy, 1947
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Reorganization Committee, 1972
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Clay Slurry Tests, 1946
Clays-Thixotropic Behavior,
Colormatic Determination of Clay, 1948
Don Deere-Geological Studies, 1952
East Central Illinois Moraine Tills, 1954
Engineering College Administration, 1971-75
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Box 6:

Faculty-Student Liaison, 1968-71
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 Feinberg's Airphoto Interpretation of Illinois Soils, pp. iii-134, 1964
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 Feinberg's Thesis Photographs, 1964
 GSA Engineering Reviews Papers, 1962-68
 Grading Committee, 1969-73
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 Grain Size and Plasticity of Tills - Manuscripts, 1960
 Highway Geology Symposium Paper, 1969
 Honors Committee, 1961-67 (2 folders)
 Hydraulics of Flow at Bridges Advisory Committee, 1951-52
 Hydrometer Pipette Relations, 1965, 1967
 Illinois Engineering Council, 1955-57
 Illinois Society of Professional Engineers-Annual Party, 1956
 Illinois Society of Professional Engineers, 1955-60
 Convention, 1962
 Indian Institute of Technology, 1959
 Job Reports, 1958
 Kansas State 1968
 Land Subsidence-Book Review, 1971
 Liu and Hagerty-Pedology Paper, 1964
 Materials, 1962
 Materials Task Committee-Department Curriculum, 1957-58
 McGraw-Hill Handbook-Soil Exploration, 1961-62
 National Cooperative Highway Research Program-Panel E-70, 1969-70 (2 folders) Panel 21-2,
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Box 7:

Omaha Speech, December 3, 1963
Organic Matter Determination, 1947-54
Organic vs. Soil Color, n.d.
Pan Am and South African Conferences, 1967
Peck-Medal of Science, 1972
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Plasticity Charts and Values, 1965
Prelims, Thesis Projects, 1973-75
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Pressure Cell Report, 1946
Purdue Road School, 1964
Quaternary Symposium, 1968
Remote Sensing, 1971
Shedd-Doland Dinner, n.d.
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Sigma Xi Society, 1954-73
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Soil Mechanics and Foundation Engineering, 1962-63
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Soil Mechanics and Foundation Engineering, 1966-67
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Soils Manual-Correspondence, 1949
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Soils Manual-Reports, 1949-53

Soils Penetration Test Paper, 1949
 Southern University, 1968
 Stereogram Preparation, 1963-68
 Student Evaluations-Correspondence, 1963-68
 Student-Faculty Forum, 1961-62
 Task Committee on Surveying, 1961-62
 Talbot Laboratory Safety Committee, 1949-50
 Thornburn and Liu- "Reproductability of Atterberg Limits," 1963
 Thornburn, Hanson and Peck - "Elements of Foundation Engineering,"
 Parts A-C, 1950 (2 notebooks)
 Thornburn, Hanson and Peck - "Foundation Engineering," Part A, 1949
 Part C, 1950
 Thornburn-General Activities Report on Research Work, 1950-62
 Thornburn's Sabbatical, 1959-60
 Thornburn-Search Committee, 1974
 Thornburn-Special Lectures, 1954-69
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 Urbana Central Development Program, 1961
 Warm Air Research Laboratory, 1950
 Water Repellants for Soils, 1946-47
 X-ray Diffractometer Correspondence, 1965
 X-ray and DTA Equipment, 1965-66
 Highway Research and Problems"
 Joint Highway Project, 1946-47
 Retaining Wall Report #4 and Spill #1, 1951
 Cooperative Research Project Correspondence, 1947
 Correspondence, (3 folders), 1948-50

Box 9:

Highway Research and Problems:
 Correspondence, (2 folders), 1951-52
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 Water Proofing Project, 1951
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Highway Research Board:

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Bibliography, 1964-66

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Illinois Highway Engineering Conference:

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Box 10:

Illinois Cooperative Highway Research Program, Project IHR-12:

Soil Exploration and Mapping:

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Project Advisory Committee Meeting, 1963

Box 11:

Illinois Cooperative Highway Research Program, Project IHR-12:

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Advisory Committee, 1955-59
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Project Advisory Committee Meetings, 1963-64
Moisture Density Studies, 1967-68

Southwestern and Northwestern Illinois Field Conference, 1958-59

Southwestern Illinois Field Conference, 1973

Soils of Illinois:

Proposed Great Lakes Naval Supply Depot, 1945, 1950
Cook County-Clark County, Ky., 1955, 1966-67
Adair County, Ky. -Highland, Illinois, 1952-56

Soils Manuals, (2 folders), 1970-72

Original Figures, 1975

Soils Reports-Soil Boring Log, 1966

ICHRP:

Project IHR-401, 1967-68
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1971-74

Box 12:

ICHRP-IHR-12

Soil Reports by County:

Champaign, 1966
Clark, 1966
Coles, 1951
Cook, 1953
Coles and Cumberland, 1966

DeWitt:

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Final Report, n.d.
Soil Sampling Data Site Locations, 1952-53
Variation Study-Parts 1 and 2, (2 folders), 1956
Original Figures-Statistical Study, 1957
Soil Sampling Paper, 1960
1961

DeWitt and Douglas, 1966

Fayette, 1952

Jo Daviess, 1957

Knox, Peoria and Richland (Map), 1959

Lake, 1957

LaSalle, 1953
Logan, 1954
Macon, 1951
Macoupin, 1955 (Map)
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Marion, 1952
McHenry, 1956
McLean, 1953
Monroe, 1966
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Moultrie and Piatt, 1966
Peoria, 1953 (Map)
Perry, 1953
Piatt, 1952
Rock Island, 1957
Rock Island--Soil Strip Map, 1956
St. Clair, 1966
Sangamon, 1953
Shelby, 1951 (Map)
Stark, 1952
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Vermillion, 1951
Woodford, 1959

Box 13:

ICHRP-IHR-12

Test Data Summary Sheets

Aastad loam-Ayres gravelly sandy loam
Mack gravelly clay loam-Myersville stony silt loam
Pacolet sandy loam-Zuni sandy loam
Habersham fine sandy loam-Hyman silt loam
Galestown loamy fine sand-Guthrie silt loam
Faceville fine sandy loam-Fullerton cherty silt loam
La Casa clay loam-Lynchburg sandy loam
Cahaba fine sandy loam-Cuthbert Soils
Jacana clay-Judson silt loam
Iberia silty clay-Irvinton very fine sandy loam
Zaneis loam-Zuber loamy fine sand
Quinlan loam
Raber loam-Rypatch silty clay loam

Edina silty loam-Winterset silty clay loam
Alford silty loam-Weir silty loam
Valentine fine sand-Vona loamy fine sand
Bartle silty loam-Zanesville silty clay loam
Chelsea fine sand-Miami silty loam
Bennington silty loam-Pewamo silty clay loam
Fox silty loam-Lippincott silty clay loam
Canfield silty loam-Woodster silty loam
Arenzville silty loam-Fayette silty loam
Azanku silty loam-Zurich silty loam
Varna silty loam-Morley silty loam
Sharkey clay-Caruthersville very fine sandy loam
Wadsworth-Bogart
Teresa silty loam-Fox sandy loam
Ochlockonee fine sandy loam-Otwell silty loam
Napa clay-Nueces fine sand
Yahola silty loam-Yahola silty clay loam
Wabash silty clay-Wymore silty clay loam
Bangor silty loam-Byington silty loam
Kalifnsty silty loam-Konawa fine sandy loam
Eakin silty loam-Eylar silty loam
Xenia silty loam
Sagemoor very fine sandy loam-Syracuse loamy fine sand
Dakota loam-Dyke loam
Ulen fine sandy loam-Upshure silty clay loam
Zwingle silty loam
Tablesilt loam-Tyber silty loam
Alford SiL-Zimmerman LFiSa
Wisconsin till-Waterlaid sands
Chenango gravelly loam-Volusia channery silt loam
Alligator clay-Tunicia silty clay
Edsa silty loam-Nihill gravelly loam
Catalpa clay-Vaiden silty clay
Shuba clay-Caribel silty loam
Wabassa fine sand-Bassinger fine sand
Hoytville silty clay-St. Clair silty loam
Ardilla loamy sand-Tifton loamy sand
Chenanga cobbly sandy loam-Waukegan loam
Woodstone sandy loam-Dragstone sandy loam
McBride sandy loam-Nester sandy loam
Barbour loam-Schoharie silty loam
Walshville loam-Douglas silty loam

Wortmann-Altvan
Bernardston silty loam-Merrimac sandy loam
Anselm sandy loam-Tuthill fine sandy loam
Austin silty clay-Trinity clay
Homestead silty loam-Spanard silty loam
Allison silty clay loam-Unitown silty loam
Austin silty clay-Trinity clay
Bucks-manor
Alligator silty loam-Collins silty loam
Alton clay loam-Woodward very fine sandy loam
Camarillo-Servento
Bridgeport silty clay loam-Richfield silty loam
Albright silty loam-Wiltshire gravelly loam
Clear Lake clay-Willows clay
Cedron silty clay loam-Zundell silty clay loam
Sinai silty clay loam-Barnes loam
Lipan clay-Spur loam
Convent silty loam-Adler loam
Parasol clay-Fraternidad clay
Barnos loam-Tonka silty loam
Latkin loamy sand-Vandalia very stony, silty loam
Bayboro-portsmouth
Chickasa loam-Zaneis loam
Shelecta silty loam-Willston silty loam
Anselm fine sand-Valentine fine sand
Winema silty clay loam-Sebastian very stony loam
Ladysmith silty clay loam-Pawnee clay loam
Brinkerton-Wiltshire
Zamora-Adelanto
Grabe loam-Pinaleno gravelly loam
Witt loam-Clovis loam
Vian Silty loam-Crevasse soils
Whitman very fine sandy loam-Kendaia very strong silty loam
Trimble cherty silty loam-Hunting silty loam
Glendale silty clay loam-Wuik fine sandy loam
Clarksville cherty silty loam-Sharon silty loam
Bayboro silty loam-Woodstown sandy loam
Bresser sandy loam-Weld silty loam
Washoe cobbly sandy loam-bishop loam, coal
Sassafras loamy fine sand-Butlertown silty loam
Corrington silty clay-Vergennes clay
Taloka silty loam-Baxter silty loam

Chipota silty clay loam-Terron silty loam
 Payton loam-Scarboro fine sand
 Barnes loam-Nutley clay
 Madison sandy loam-Mayoden gravelly sandy loam
 Rosebud loam-Kadolca silty loam
 Richfield silty loam-Milford silty clay loam
 Acadia, La.-York, Pa.

Box 14:

IHCRP-IHR-47

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Lime-Soil Mixture Section, 1960

Phosphoric Acid, 1960

Phosphoric Acid Laboratory Notes, 1961

Stabilization with Salts for Base, 1960-61

Advisory Committee Meeting, 1953, 1960

Stabilization with Inorganic Salts for Bases, 1969

Silicate Report, 1971

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Progress Report, 1968-72

Soils Manual, 1968

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IHR-603 Project Advisory Committee, 1970-71

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IHR-604-Moisture Movement, 1973-75

Organic Matter, 1963-68

Engineering Index Properties, 1964-65

Properties of Southern Illinois Soils, 1968

Box 15:

Field Survey Maps, 1946-60

Comparison of Airphoto and Field Method of Strip Mapping, 1961

Comparison of Soil Strip Maps, (2 folders), 1965

Rock Mechanics Symposiums:

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General Information, 1971-73
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Notes on Papers and Sessions, 1971
Parisi Correspondence, 1971
Mailing Lists, 1971
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Attwell, P. B. and J. P. Woodman, 1971
Banks, D. C., 1971
Barton, Nicholas, 1971
Brawner, C. O., D. L. Pentz and J. Sharp, 1971
Broadbent, C. D. and K. C. Ko, 1971
Bufe, Charles G., 1971
Call, Richard D., 1971
Cornett, F. H., 1971
Coulson, James, 1971
de la Cruz, Rudolfo, 1971
Depman, A., K. Dodds and D. Perillio, 1971
Dodd, Jerry and H. Walter Anderson, 1971
Donath, Fred, 1971
Douglas, G., 1971
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Gates, Richard H., 1971
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Hamel, James V., 1971
Haverland, M. and E. Slebir, 1971
Heuze, F. and R. Goodman, 1971
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Lo, K. Y., C. F. Lee and P. Gelinas, 1971
Merritt, Andrew, 1971
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Murphy, D., Jr., 1971

Myung, J. and R. W. Baltosser, 1971
 Nelson, C. and F. Cornett, 1971
 Newmark, N. M., 1971
 Obermeier, S. and L. Wood, 1971
 Obert, L., 1971
 Pariseau, W. G. and K. Stout, 1971
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 Piteau, D., 1971
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 Stephenson, D. and G. Triandifilidis, 1971
 Swift, R. P. and M. W. McKay, 1971
 Thirumalai, Kai and R. L. Fischer, 1971

Box 16:

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 Task Committee Correspondence, 1956
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Box 17:

American Society of Civil Engineers:
 Committee on Engineering Geology, 1962

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 1965-67
 Symposium on Shales-Denver, 1966
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American Society for Testing Materials:

Design of Concrete Mixes with Entrained Air, 1948-49
 Papers on Soils Maps, 1950-51
 Papers and Standards Meeting, 1951
 Committee D-18, 1961-66
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American Society for Testing and Materials (continued)
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Box 20:

Association of American Railroads:
 Research Center Reports, 1957-58, 1960
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 Ballast Fines Test, 1954-58
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 Grading Problems, 1962
 Rockwell Smith, 1953, 1960
 Laboratory Work, 1953-55
 Test Data, 1953
 Roadbed Stabilization:
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 Ralph E. Peck Correspondence, 1945-52, 1956
 Rockwell Smith-Diary and Correspondence, 1950
 Railroad Soil Reports, 1945-56
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Box 21:

Atlantic Coast Line, 1951
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 Little Mistongo (Canadian National Railroad), 1950
 Reports, 1950
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 Chicago and Northwestern, 1946-47, 1952
 Chicago, Milwaukee, St. Paul and Pacific, 1945
 Milwaukee-Owego, Iowa, 1945
 Milwaukee Road, 1946-47, 1958
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 Association of American Railroads
 Denver and Rio Grande Clay Siding Slide, 1951
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Bridge #9-Pokegama River, Superior, Wisconsin, 1952
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Thomas H. Thornburn

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 21. "Mechanics of Soil as Influenced by Model Tillage Tools," with J. C. Siemens and J. A. Weber, Trans. Am. Soc. Agr. Eng., Vol. 8, No. 1, 1965, pp. 1-7.

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