

15/11/24
Liberal Arts and Sciences
Geology
Harold R. Wanless Papers, 1916-70

Box 1:

American Association for the Advancement of Science - 1924-30 membership certificates
1937 AAAS Section E, Symposium, "Oil in the Pennsylvania of the Eastern Interior Basin",
1936-38
Correspondence relating to acquisition of speakers for symposium, official program
1946 AAAS, section E, Symposium, "Problems of the Pennsylvania"
Correspondence relating to organization of symposium
Wanless "Introductory Paper"
American Association of Petroleum Geologists, 1934-62, 1969
Correspondence, AAPG publications, convention programs, "Explanatory Statement for
Exhibit: Mapping Environment of Pennsylvania Cycles" (1961)
1956 AAPG Distinguished Lecture Program, "Problems of the Pennsylvanian of the U.S.", 1955-
56 - itinerary, lecture, photo negatives and prints correspondence
AAPG Pennsylvanian Volume, 1952-60
Correspondence, photographs, charts relating to publication of Pennsylvania Volume
AAPG paper, "Pennsylvania Rocks of Eastern Interior Basin", 1955
First Draft, Published version
Aerial Photograph Display Titles, ca. 1965
Aerial Photographs and Photogrammetry Equipment, 1949-64
Symbols for Aerial Photography, USDA
advertisements for photogrammetry equipment
Aerial Photograph Purchase Orders, 1943-57
1948-66, 1969
Aerial Photograph Procurement, Index Order Sheets, 1949-65
Aerial Photography, University of Illinois Committee on, 1961-62, 1969
Minutes of committee meetings, publications, charts, purchase requisitions
Allen F. Agnew Correspondence, 1942-56
Agency for International Development, 1964-65
Agricultural Geology, 1935-60
American Geological Institute, Index of Outstanding Aerial Photographs, 1950-63
American Geological Institute, Outstanding Aerial Photographs, 1960-63
Photograph indices, maps, correspondence
Alexis Quadrangle, Illinois Geological Society, 1925-29
"Pennsylvanian Fossils from the Alexis Quadrangle, Occurrence and Correlation Value",
charts, tables
Alumni Correspondence, 1933-39
1940-49
1950-59
1960-68
Andrews, George M., 1952-53
American Association of University Professors, 1952
American Geographical Society, 1928 - ca. 1942
Publication Catalogues, Membership Certificate
American Geological Institute, 1956-68
ACI "Outstanding Aerial Photographs in North America", (1951), 1950-59

Box 2:

American Society of Photogrammetry, 1943-69
 Anthony, Life-Time, Inc. 1961
 Appointments, letters 1923-25
 Arizona Research, 1949-55
 "Pennsylvanian Rocks of Arizona and Bordering Areas", data sheets, photograph
 negatives and prints
 Artists and Writers Press, 1959-65
 Publication of Story of Geology: assistance in providing slides for A and WP books
 El-Ashay, Mohamed T. 1965-70
 Association of Geology Teachers, 1947-69
 AGT Newsletters, symposia programs
 AGT Newsletters, 1950-51
 AGT Interdepartmental Newsletters, 1950-51
 American Geophysical Union, 1936-69
 AGU, Special Committee on Geophysical and Geological Study of Continents, 1935-39
 American Institute of Mining and Metallurgical Engineers, 1936
 American Museum of Natural History, 1921-37
 Australian Geological Correspondences, 1957-59
 relating to Fulbright grant to study at University of Sydney
 Australian Geological Correspondence, 1960-68
 Fulbright Fellowship Material, 1956-59
 B - Bachrach, Ruth, 1945-46
 Badlands region, Correspondence on the White River Sediment, 1923-24
 Baker, Frank C., 1924
 Ball, John R., 1930-44
 Baptist Student Foundation, 1960-66
 minutes of executive committee, treasurer's report, budgets, reports of building
 committee
 Baroffio, James R., 1965-66
 Bastin, Edson S., 1936
 Beardstown - Glasford - Havana - Vermont Report, Illinois Geological Society, ca. 1940
 data sheets, preliminary drafts of report
 Behre, Charles H., Jr., 1930-42
 Beimfohr, Oliver W., 1940-41
 Berkey, Charles P., 1935
 Bevan, Arthur, 1929-41
 Bibliography Work
 Binocular Microscopes, 1959
 Bird records, 1938-59
 bird lists, Audubon Club materials
 Boardman, Richard, 1952-56, 1970
 Boley, Charles C., 1940-47
 "Notes on the Sampling Problem, with Particular Reference to Coal" (1941) by Baley
 Book reviews, 1940-53
 Reviews of: Frederic H. Lahee: Field Geology, 5th Edition, (date of Review, 1953) and
 Second Edition, (1950)
 And responses to Wanless' Reviews by authors
 Booker, Frederick W., 1954-60
 Bowen, Richard, 1962-65
 Boy Scouts, 1951-57

Wanless' leadership activities in Pack 3
 British Association for Advancement of Science, Leeds England 1966-67
 Brooks, C.E.P., ca. 1929
 Branagan, David, 1959-64
 C - Camp Davis, Wyoming Research, 1945-49, 1955
 Camp Davis Area, Measured Section, 1946-47; 49; 62, abstract, "Paleozoic and Mesozoic
 Columns in the Gros Ventre, Teton, Hoback, Wyoming, and Snake River Ranges",
 Wyoming, 1946
 Photograph, Triassic Columns, 1946
 Wanless, "Pennsylvania Period and System" (1962)

Box 3:

Campos, A.C. Rocha, 1963-64
 Canadian Geology Survey - Bibliography lists, 1919-63
 Carbonate Research 1957-58
 Correspondence, H.M. Schurman, The Hague, Holland, 1953-55
 Carboniferous Congress, Sheffield, England 1965, 1967-70
 Paper and Correspondence
 Carboniferous Subcommittee, International Commission on Stratigraphy 1958; 1960
 Carnegie Institution, 1924
 Geophysical Laboratory Publication listings, 1922-60
 Carozzi, Albert 1955-56
 Carter Oil Company 1953-57
 Cheney, Monroe G., 1940-46
 Civilian Defence Corps, 1942-43
 Civil Service Commission 1939; 1942
 Clark, John 1936-37
 Classification of Pennsylvania Rocks of Illinois as of 1956
 Clay, John 1947-48
 Clifford, Thomas N., 1955-56
 Cline, Lewis M., 1941; 1946-47, 1957
 Clements, Frederick E. 1923
 Coal Section, The Geological Society of America and Coal Committee, Society of Economic
 Geologists 1953-56, Photograph of Wanless 1961
 Coal Section Program, GSA, November 1966
 Coal Section, GSA 1966-67
 Correspondence
 Coast and Geodetic Survey Project, 1964-68
 Collegiate Academy Paper 1952
 Wanless, "The Relation of Academies of Science to College Students", before the
 Academy Conference, St. Louis, 12/28/52
 Collegiate Section, Illinois State Academy of Science, 1941-47
 Will Radio Talk, 12/14/42, "The Collegiate Section of the Illinois State Academy of
 Science"
 Conodont Pictures, ca. 1924
 Conservation Forestry, 1935-38
 The Forestry News Digest 1935-38
 Consulting Correspondence 1966
 General Correspondence 1924-25

1968
 1969
 Cross, Aureal T 1940-61
 Cyclic Sedimentation 1934-57
 Cyclothem Club 1938-48
 D - Dalhousie University, Hiram Research Professor in Geology, 1968
 Dapples, Edward C. 1942-43, 1968
 Department Newsletter and Correspondence 1946-50
 Congratulatory book on Wanless' 25th anniversary at the University of Illinois, 1949
 Desjardins, Louis, 1951
 DeWolf, F.W., 1931-34; 1957
 Deitz, Robert S., 1946-55
 Photographs, rock formations at Kentland
 D.G.S. Junior-Senior Programs, 1946-47
 Doctorate Thesis Outlines, University of Illinois, 1962-63
 Donath, Fred A., 1966-70
 E - Eagar, R. Michael C., 1965-67
 Eardley, Armand 1969
 Eccles, J. Kerky 1957; 1960; 1962
 Edwards Brothers, Inc. 1935
 Ekblaw, Sidney E. 1933, 1935
 Elias, Manim K. 1934-66
 Elliott, L.P. 1936
 Ellis, Fred D., President, Illinois Electric and Gas Company, 1957-58
 Electric Logs 1955
 Correspondence with Glen M. Ford
 Ellison, Samuel 1941
 Elsevier Publishing Company 1964-69
 Engel, Brian 1966
 English trip 1948
 International Geological Congress, 18th Session, Great Britain
 Eustatic Shifts in Sea Level, 1955
 List of geologists - Africa
 "Evidences of Multiple Late Paleozoic Glaciation in Australia", abstract ca. 1959
 Examination Questions in Junior Geologist, U.S.G.S., 1924
 Exchange Club of Urbana 1964-66

Box 4:

F - Fairbridge, Rhodes W. 1964
 Ferm, John 1964, 1968, 1970
 Field trips 1946-48
 Fisher, D. Jerome 1935, 1943
 Fisk, H.N. 1947
 Foreign Geologic Maps Index
 Fort Lewis' Program (University of Illinois) 1950-52
 Fossil Hunting in the Badlands of South Dakota Manuscripts
 4-H Club 1962-63
 Franklin, Donald W., 1938-61
 Fuller, Melville W., 1934-44

Furrow, Clarence L., 1940
 Fusulinid Research, Arizona et. al. 1949-53
 G - Galesburg Branch, University of Illinois 1946-48
 General Division L.A.S., 1940-43
 General Division Curriculum Committee, 1942-44
 General Studies Course Materials, Physical Science Survey, 1942 (General Division 2)
 General Studies 46, Course Material, Physical Science, 1944-46
 Geography 1, Course Material ASTP, 1943
 Geography 18, Lecture Notes, Correspondence
 about jobs, Bibliography 194244 - Radiotalk, "Aerial Photography" 5/1/44
 Geography 18, Laboratory Manual Manuscript, 1942-43
 Laboratory Exercises, Interpretation of Maps and Aerial Photographs
 Geologic Sections of Outcropping Rocks
 Geological Society of America, 1930-69
 Publications, 1941-42
 Project Grant 121-35/159-36 1936-52
 Report on the Pennsylvanian of the Eastern Interior Coal Basin for the
 Subcommittee on Pennsylvania Stratigraphy
 Including Correspondence with Charles B. Read, United States National Museum
 - Galley Proofs
 Project 123-35 1935-62, Determination of the Correlation of Coal Seams and Other
 Strata of the Pennsylvanian between the Eastern Interior Coal Field and the
 Appalachian Coal Field, Involving Study of Rock Strata in Southern Indiana,
 Western Kentucky, Eastern Kentucky, Southern Ohio, and the Western Border of
 West Virginia
 Correspondence, Charles Read
 Appalachian Project 1939-45
 "Pennsylvanian Correlations in Tennessee, Southeastern Kentucky, and Georgia",
 presented before G.S.A., 12/29/39
 "Pennsylvanian Sedimentation in a Part of the Southern Appalachian Coal Fields"
 Photographs for MSS
 Project 232-38, 1935-41
 Abstract, "Pennsylvanian Correlations in the Southern Appalachian Coal Fields"
 Project 498-46 1939-53
 "Pennsylvanian Isopach Studies in the Eastern and Central United States"
 Geological Warfare Seminar 1942-43
 Geology Section, Illinois State Academy of Science 1935-36
 Geology Department Annual Dissertation Reports 1969
 Major Advising 1949-50, 1965
 Seminar Committee, 1950
 Graduate Advisees 1931-44; 1951
 Curriculum Studies 1948-64
 Minutes of Staff Meetings 1947-56; 1965
 Letter to L.L. Campbell on the selection of a department head; ideas regarding the
 field of Geology, 4/8/65
 Budget Items and Expenditures 1950-54
 Purchase Orders, Invoices 1939-65
 Field Camp Studies 1938-46
 Travel Expense Vouchers 1935-57

Box 5:

Geology Department, 1925-46
 George W. White, Department Head, 1947-61
 Biographical Sketch, 1961
 Chronological List of Theses in Geology
 University of Illinois 1904-61
 Ph.D. Degrees Awarded, Geology Department, 1917-61
 1962-66
 Newspaper clipping and Photograph of Wanless, 1963
 Index of Departmental Slides
 Field Trip 1945
 Geology Class Record Books 1952-62
 General Geology I, Lecture Notes, c. 1930
 Geology 4 1935-46
 Field Trip Material 1937
 Photograph of Wanless 1937
 Geology 28 1925-36
 Lecture Outlines, Examinations; Study Topics
 Geology 33 - Geologic Maps ca. 1937
 Agricultural Geology (44) Lecture Outlines, 1923-24, 1928-29
 Geology 101, 1944
 Geology 105 (44) Examination Questions
 Geology 110 Field Trip N.D.
 Geology 112 Field Trip ca. 1961
 Geology 125
 Sands and Sandstorms - followed by 28 folders pertaining to geology 125 containing
 material on limestones, shale, dolomites, and other sedimentary rock
 Geology 152

Box 6:

Geology 309, 1939-51
 Northern Illinois Field Trip 1950
 Geology 315 (24), 1930-67
 Photograph of Wanless ca. 1952
 Geology 317 - Field Work at Fort Lewis A and M College, Colorado, 1950-51
 Geology 401-402, 1948-65
 Geology 409, 1935-66
 Geology 409, 1950-66
 Geology 415, 1945-60
 Geology 437, 1928-47
 Descriptions of Sample Sets; geology 60 and (126) 437, 1930-42
 "A Classification System for Limestone and Dolomites", 1930
 Geology 491, 1935-40
 Geology 493, Photogeology Examinations, 1961-64
 Pennsylvania Geology 1962-65
 Road Log and Conclusion of Field Trip on Study of Pennsylvania Geology
 Geology Courses, Sample Examination Papers by Students, 1957-67
 Girl Scouts

Griffith, Coleman, Seminar, 1942
 Grate, Benjamin F., 1942
 Graduate Research in Geology, 1957-58
 1949-54
 Graduate School Research Grant, 1937-38
 Graduate College, University of Illinois, 1933-60
 Glacial Control Hypothesis Cyclic Sedimentation, 1934-37
 "Sea Level and Climatic Changes Related to Late Paleozoic Cycles" presented before the
 Geological Society, 12/29/34
 H - Havana Quadrangle Chapter III
 Historical Geology Manuscript ca. 1941
 Heerlen Carboniferous Congress, June 1951
 "Cyclic Phenomena in the Marine Pennsylvanian of the Southwestern United States"
 Correspondence with Jacqueline Patterson, co-author of the paper
 Henbest, Lloyd, 1938
 Hoover, W. Farrin, 1935-49
 Correspondence, Leslie A. Holmes 1949, President, Northern Illinois State Teachers'
 College
 Master's Thesis Project, M.M. Elias
 Horberg L. Leland C. 1956
 Horne, John C., 1968-69
 Houdek, P.K., 1932
 Howell, Ben F. Princeton University, 1924, 1926, 1930-56
 Hubbard Scientific Company, 1965-69
 File on Stereograms
 Huddle, John W. 1956
 Hughes, Paul Warren, 1956-63
 Correspondence Glenn Bartle, President, Harper College, Endicott, N.Y. 1956
 Hurner, John, 1934-37
 I - Illinois Electrical Gas Co.
 Correspondence, Robert Schrott, 1957
 Illinois State Academy of Science 1933-66, 1970
 Photograph of the Illinois State Academy of Science, May, 1937
 Photographs of Wanless, May, 1938
 Illinois Academy of Science, 1939-44; 1946-47
 Committee on Affiliations
 Illinois State Academy of Science Nominating Committee 1940-42
 Illinois Junior Academy of Science 1934-66
 Heroes of Geology, WILL radio 11/3/34
 Our National Parks, WILL Radio 1/15/41
 The Pennsylvanian Period, WILL radio 2/1/36

Box 7:

Illinois Geological Society, 1927-68
 "Sedimentation and Tectonic History of the Pennsylvanian Basins of the Eastern United
 States", before the Illinois Geological Society, 10/26/39
 Pennsylvanian System - 1941
 Illinois Coal Mining Institute, 1965
 Illinois State Geological Survey, 192425; 192728; 1932-69

Photograph of Wanless, 1955
 Illinois State Geological Survey, Pennsylvanian Classification Committee, 1955-56
 "Present Status of Classification of Pennsylvanian Rocks of Illinois", c. 1956
 Illinois State Geological Survey Paper "Sand Studies in Relation to Petroleum Exploration" 1968
 Illinois State Geological Survey, Report on the Geology and Mineral Resources
 Beardstown, Glasford, Havana, Vermont Quadrangles, 1942-43
 Marseilles, Ottawa and Streator Quadrangles
 Geology Laboratory Manual (MSS)
 Indiana Coal Mining Institute 1937-38; 1956
 Indiana Geologic Society 1942-68
 Indiana - Kentucky Geological Society 1945-56
 Indiana University Geology Department, 1954-66
 Insoluble Residues Studies of Limestone
 Insoluble Residues 1941
 Student papers: "Insoluble Residues from the Plattville Formation, Keatland Quarry,
 Indiana" by G.M. Ford
 "Insoluble Residues", M.H. Smith
 "Sedimentary Petrology Notes", K.O. Emery
 "Insoluble Residues", Marvin P. Meyer
 XVI and XVIII International Geological Congress, 1933-51
 Correspondence, A.J. Butler, General Secretary, W.D. Evans, Professor University of
 Nottingham, England, Carl Dunbar, Yale University
 Programs, Circulars, Abstract of Papers for Congress
 XVIII International Geological Congress 1948
 Drafts of "Late Paleozoic Cycles of Sedimentation in the U.S."
 Correspondence, A.J. Butler, General Secretary, Wanless to President Stoddard
 Reporting on Congress
 Programs, Circular for Congress
 International Geological Congress, 1959
 Abstract, "Evidences of Multiple Late Paleozoic Glaciation in Australia"
 Correspondence, Theodor Sorgenfrei, General Secretary, Copenhagen, Denmark
 Illustrations, International Geological Congress Paper
 XX International Geological Congress, 1956-60
 Minutes, Addresses, council papers, agendas, circulars, photograph of Congress travel
 folders, travel arrangements, map
 Abstract "Limestone Textures as a Guide in Interpreting Depths of Composition"
 XXI International Geological Congress, 1959-60
 Abstract, "Evidences of Multiple Late Paleozoic Glaciation in Australia"
 Inventory Record
 Iowa Coal Fields, 1963
 E.J.W. Irish, 1947-55
 J - Jelliff, Fred R., 1930-36
 Johnson, J. Harlan, 1934-35
 Jongmans, W.J., 1933-56
 also correspondence with Raymond E. Janssen relative to Jongmans
 Journal Club, 1931-32
 K - Kansas geological Survey, 1942-66
 Lists of Publications
 Correspondence, Daniel F. Merriam, editor
 Kansas Geological Society, 1932-66

"Relations Between pennsylvanian Rocks of the Eastern Interior and Northern Mid-Continent Coal Basins" - drafts, diagrams Correspondence, Max Littlefield, H.E. White

Kansas Geological Society, Symposium on Cyclic Sedimentation, 1962-65
Correspondence, Daniel F. Merriam relative to publication of symposium papers

Kentucky Geological Society, 1941-66
Correspondence, David M. Young, University of Kentucky; D.J. Jones, Department of Mines and Minerals, Lexington; A.C. MacFarlan, University of Kentucky; Julian M. Aucier, attorney, Pikeville, Kentucky; C.G. Evans, mining engineer, Pikeville, Kentucky

Kentucky Geological Survey Correspondence, 1941-65
John W. Huddle, University of Kentucky; A.C. MacFarlan, University of Kentucky, Vincent E. Nelson, University of Kentucky

Kidda, Michael L., Murphy Corp., El Dorado, Arkansas, 1953

Kobayochi, Trichii, University of Tokyo, 1952

Kodachrome Slide Data, 1947-54

Koenig, Karl J., 1947

Kosanke, Robert, 1952

Box 8:

Laboratory Outline on the Study of Minerals and Rocks
Laidlan Brothers, 1968
Correspondence, Gloria Muczynski, art coordinator, relative to book illustrations

Lapidary Equipment, 1956-60
Catalogues

Larrabee, David M., 1937-38

Lieghton, M.M., Chief, Illinois State Geological Survey, 1927-55
"Memorandum to Dr. Leighton Regarding the Boundaries of Pennsylvanian Cyclothem, and the Classification of Pennsylvanian Strata into Formations"

Levish, Murray, Thesis, "Thin Section Correlation of Some Pennsylvanian Limestones in Illinois," 1954-55
"Stratigraphic Correlation of Some Pennsylvanian Limestones by Thin Sections" - first draft

Library Acquisitions, Geology Library, 1966-69

Library Subject Card Index

Lists of Publications, 1950-54
Advertisements for Books

Longwell, Chester R., Geological Survey, Department of Interior, 1960

Lowenthal, George F., attorney, Philadelphia, 1934-40

Lucas, Margaret Jennifer (Mrs. Michael Rogers), 1954-61
Correspondence, "Report on Work Accomplished with a \$250 Sigma Xi - RESA *Grant-In-Aid of Research received in June 1956" by M.J. Lucas; Lucas index to pelecypod

M - Malott, Clyde A., Department of Geology, Indiana University, 1947

Marion, Kentucky, Correspondence, 1961-64
Ben E. Clement; Charles L. Cassady

Map Acquisitions, University Library, 1956-67

Maps, Miscellaneous
base maps of world regions

- Maps, Miscellaneous, small geological maps, travel folders with maps
- Marine and Non-Marine Facies of the Upper Carboniferous of North America paper, 1969
- Marshall, Charles E., Department of Geology, University of Sydney, 1957-59
- McCommons, Mary, Research on Landon Pool, Fayette County, Illinois
- McCormick, Wade L., Vernal Utah, 1952
- McFarlan, Arthur C., Kentucky State Geologist, University of Kentucky, 1933-53
- McGraw Hill and Company File on the "Carboniferous Article", 1968
- McKee, Edwin D., Department of Geology, University of Arizona, 1941-58, 1969
- McNamara, Robert C., 1939-51
- Military Geology, ca. 1945
- Miller, Don J., U.S. Geological Survey, Washington D.C., 1941-46
- Mineral Industries Conferences, Illinois State Geological Survey, 1933-37
- Programs, Publications (mimeographs):
- "Description of Instructional and Research Laboratories", Department of Engineering and Ceramics
 - "Research Laboratories of the Illinois State Geological Survey: Coal Microscopy"
 - "Mining and Metallurgical Laboratories at the University of Illinois" David R. Mitchell
 - "Coal Sessions", (Information Circular number 15), Abstract reports (1936)
 - "Oil and Clay Products Sessions", Information Circular number 16 (1936)
 - "Clay and Clay Products Session", Information Circular number 17 (1936)
 - "Rock and Rock Products Session," Information Circular number 18 (1936)
- Mississippi Delta Photograph Project File, 1966-69
- J.C. Moore and Company, 1936-48
- Purchase of field notebooks
- Moore, Raymond C., Department of Geology, University of Kansas, 1932-67
- Correspondence relating to National Research Council's Committee on Pennsylvanian stratigraphy in North America and extensive discussion of Wanless' studies
- Moran, Margaret A., Harper and Row publishers, 1968
- Morris, David, Department of Geology, University of Kansas, 1965-66
- Thesis Maps, 1967
- Mueller, Joseph C. and Wanless Paper, "Differential Compaction of Pennsylvania sediments in Relation to Sand-Shale percentages, Jefferson County, Illinois", 1955-56
- Abstract, charts
- Murray, A.N. Department of Geology, Tulsa University, 1941
- Haydn H., Department of Geology, Indiana University, 1952-57, 1969
- N - National Geographic Society, 1923
- National Science Foundation Grant, 1962-65
- Letter to Richard G. Ray, Program Director for Geology, NSF on progress and results of grant, 1965
 - "Outline for Proposal to NSF for Support for a Program of Sequential Paleoenvironment Mapping of Pennsylvania Period in the Central and Eastern States", Wanless, 1962
 - "Application for a Grant from the NSF", Wanless 1962, including biographical material and selected bibliography of articles by Wanless pertaining to Pennsylvania of Eastern and Central U.S.
 - Environmental maps of St. David Cyclothem
- National Science Foundation Grant GP-410 46 355 Extensions, 1965-68
- "Application for Extension of National Science Foundation Grant Gp - 410 46 32 46

- 355", Wanless, 1965
 "Environmental Mapping of Thin Pennsylvanian Stratigraphic Units in the Eastern and Central U.S., Wanless, abstract of speech before LaFayette Geological Society, March 21, 1966
 Correspondence with Richard G. Ray concerning results of grant, extension of grant, use of funds, results of grant extension
 National Science Foundation, 1962-65, 1968
 Letter P.D. Henry to Bowen C. Dees, Assistant Director, NSF - related to Wanless participation in 1963 Summer Institute for High School Teachers of Science and Math
 Agendas, forms related to 1964, 1965 Summer Institute
 National Youth Administration, 1935-42
 Correspondence regarding Wanless participation in NYA program
 Nature Conservancy, 1951-54
Nature Conservation News, 1951-54
 Mimeographed bulletins of Illinois Nature Conservancy, 1951-53
 Letter from George D. Stoddard, August 13, 1953 - Thank you note
 Navy Pier Branch University of Illinois, 1947
 Letter, Randall Wright, Professor of Geology, Navy Pier, relating to doctorate and including photograph of Wanless at a field trip location

Box 9:

- Netherlands Political Letters, 1947
 Official reports of conditions of the Netherlands and its colonies in World War II
 Newell, Norman, Kansas Geological Survey, 1937
 letters relating to age of pelecypods
 Newsletters, Department of Geology, University of Illinois, 1941-54
 including lists of alumni
 Newspaper Clippings, 1934-38
 relating to conferences, geological news, professional colleagues
 Newton, William A., Stanford University, 1937-39
 New York Academy of Science, 1937-41
 Letters, Roy Waldo Miner, Executive Secretary relating to membership
Transactions of the NYAS, 1939-41 and publications list
 Noe, A.C., Botany Department, University of Chicago, 1933-34
 regarding field trip
 Northern Illinois Gas Co., 1936-57
 "Report to Northern Illinois Gas Co. on geological Structures Suitable for Underground Gas Storage in Northern Illinois", Wanless, November 1936
 Letters K.J. Stanton, Chief Engineer, Northern Illinois Gas Co., Regarding consultation services data sheets
 Nova Scotia Research Foundation, 1952-56
 Correspondence. H.D. Smith, President, regarding Coal Conference
 Photographs, Geological Formations in Southern Illinois, Kentucky
 "Field Relations Bearing on Coalification; Studies of Widespread Partings in Coal Beds", Wanless, draft and abstract
 Data Sheets
 "Depositional Basins of Widespread Pennsylvania Coals in the U.S.", Wanless, abstract
 Newspaper clippings covering coal conference

Correspondence Albert Romer, Museum of Comparative Zoology, Harvard
 Nygreen, Paul W., Standard Oil of Texas, 1955-56
 O - Oceanographic Letters, 1961-63
 including letter to son, Harold
 Ohio Oil Company, 1960
 Otton, Edmond G., 1940-47
 graduate student working on thesis
 P - Pacific Science Congress, 1939, 1960
 Program Correspondence, Hubert G. Schenck, Department of Geology, Stanford
 University
 Paleogeology MSS, c. 1968
 Paleontology Notes, ca. 1916
 Biological drawings of various phyla of lower animals for college course, Zoology 4
 Paleontological Society, 1931-68
 Bulletins, Reports, Agendas
 Materials Regarding the International Paleontological Union
 Paleozoic Delta Paper 1966-69
 Paleozoic Glaciation MSS, Review Article on Late Paleozoic Glaciation, 1966-67
 Pennsylvanian Coals its Relationship to Their Underclays, as Revealed by Field Studies MSS ca.
 1933
 Pennsylvanian Coal Beds Manuscript 1968-69
 Pennsylvanian Environmental Mapping Memoir Material, 1966
 Pennsylvanian Faunas Preliminary to RI 205, Beardstown, Glasford, Havana and Vermont
 quadrangles, ca. 1940: Pennsylvanian Geology Regional Study
 Appendix A, Paleontology, Part I., Pennsylvania fossils from Marine strata
 Summaries and Data Sheets for Beardstown Etc. studies
 Total Pennsylvania Isopach of New England Area MSS, ca. 1963
 Pennsylvanian Rocks of Eastern Interior Basin, ca. 1956
 Pennsylvanian Sedimentation in a Part of the Southern Appalachian Coal Field,
 Manuscript of paper given before the AAPG, Chicago 1940
 Pennsylvanian of Arizona and Bordering Areas, ca. 1958-62
 chart, correlation of Late Paleozoic, Arizona and bordering areas
 sketched map of Arizona and New Mexico with location sites
 Pennsylvanian Stratigraphic Correspondence, 1930, 1940-49
 Geologic Photographs, 1937
 "Preliminary Review of the Literature relating to Shoal Creek and Carlinville
 Limestones", Part I and Part II, Wanless
 "The Mercer-Brookville Problem, A Compromise Solution", Wanless Data Sheets
 "Cyclic Sedimentation as Revealed in Electric Well Logs", Wanless and James G.
 Pearson
 Pennsylvanian Stratigraphic Correspondence, 1950-59
 Correspondence with Carl Dunbar, Peabody Museum of Natural History, Yale, including
 "Notes on Arizona Pennsylvania sections and those in immediately surrounding
 areas", Wanless
 Photos and negatives of Geological Formations in Southwest
 "Report on Spore Investigations of Some Pennsylvanian Coals", R.E. Malloy 1951-52
 Pennsylvanian Stratigraphic Correspondence, 1960-68
 "Localities for Pennsylvanian Field trip", Wanless, 1960
 "Pennsylvanian Geology Field Trip". Wanless, 1961
 Charts of Pennsylvanian Coal Formations in U.S.

- "Comments on David Morris' Master's Thesis", Wanless, 1963
- Drafts of Paper on Formation of Coal and "Report of Committee on Pennsylvanian Stratigraphy", Coal Section, Geological Society of America
- Pennsylvanian Stratigraphic Correspondence, 1956-57 (Materials found in unmarked folder under this category)
- "The Upper Vissen", a student paper?
- Pennsylvanian Geology Regional Study, 1950-68
- Correspondence, Richard G. Elliott, U.S. Atomic Energy Commission
- And possible interference of AEC test with Wanless' study
- Chart, generalized Cross Section, Des Moines and Lower Pennsylvanian Rocks in Oklahoma
- Data Sheets
- "Description of Correspondence, Union Oil Co. of California - Agate Number 1 and 15" Wanless
- "Western and Southern Oklahoma Correlation Chart," Maurice H. Smith, 1950
- "Key to Family Fusulinidae," Fred Williams, 1949
- Notebook, "The Coal Basin of Djerado," not Wanless' handwriting; also see "The Upper Viseen" in preceding folder
- Chart, "Regional Comparison of Faunas, chart 2"
- Photographs, Word Formation, Hers Ranch, Brewster County, Texas, before 1957
- "Abbreviations and Notes concerning the Map of Pennsylvanian Substrata," Wanless
- Maps of Denmark, North America
- "Environmental Mapping of the St. David Cyclothem, Eastern and Western Interior Coal Basins," Wanless and Donald Geductz
- "The Paleontological History of Two Pennsylvanian Black Shales," colloquium talk, Wanless, 1963
- Pennsylvanian Subcommittee, Stratigraphic Committee, National Research Council, 1940-42
- "Geology and Mineral Resources of Southeastern Clearfield County, (Pa)," Raymond C. Moore, 1942
- Phi Kappa Phi File, 1967
- Phi Sigma, 1951-56
- Photographs of Geological Features to be used as figures in a book, n.f.
- Photography, Kodachrome Slides, 1962-66
- Slide catalogues, slide requests
- "List of Kodachrome Slides Submitted to Wards' National Science Establishment" Wanless
- "List of Slide Subjects of Kodachrome Slides Submitted by H. G. Wanless" Geological Photographs
- Physical Science Course, Division of General Studies, University of Illinois, 1940-48
- Materials relating to evaluation of texts, programs in other schools, testing programs for creation of DGS courses
- "Geologic Subjects which might be suitable for Inclusion in a General Physical Science Course," Wanless
- "Report of the Committee on the General Course in Physical Sciences," 1940
- "General Division (LAS) 4, Physical Science Survey"
- Physical Science Survey Correspondence, 1941-44
- Correspondence relating to text procurement, 1941
- Correspondence relating to student, Vincent Carrubba, on academic probation, 1944
- Physical Science Survey, Minutes of Meetings of Organization Committee, 1940-43
- Minutes of Meetings number 1 to 27

Physical Science Course, DGS 141-142, 1950-51
 Roster, Syllabus, work sheets, charts
 (date given on folder was 1950-51, date on syllabus is 1948-49)
 Physical Science Course Tests, 1945-52
 Quizzes
 Physiography MSS. Bulletin 82, Chapter 2

Box 10:

Plummer, Fred B., Department of Petroleum Engineering, University of Texas, 1939-46
 Schedule of Meeting of Section E, AAAS, St. Louis, 1946
 Poor, Russell S., Department of Geology and Geography, Birmingham-Southern College, 1930-37
 Price, Larry W., 1969-70
 W. Armstrong, Geologist and Geographer, Corpus Christi, Texas, 1955
 Wanless, Outline for the study of Paleontology, based on Professor Shimer's Study on Fossils, Princeton University, ca. 1919
 Princeton, Mementoes and Souvenirs relating to Graduate Collegiate years 1920, 1923
 Princeton Correspondence relating to Doctoral Thesis, 1922-24
 Princeton Class of 1920: College Tests, Notes, Grade Reports, Graduate Appointment, 1916-60
 Bulletins, Reunion Material, Commencement Programs and Address, photographs of
 1940 Reunion, Correspondence with Class Officers and Former Classmates
 Tests Taken when Student at Princeton, 1916-17
 Official Register of Princeton University, Freshman Entrance Examination Papers, 1915
 Lecture notes in elementary geology course, Professor W. B. Scott and Professor Sinclair, 1917
 Grade reports, 1917, 1919; notice of graduate scholar appointments in Geology, 1920-21
 Lectures in Vertebrate Paleontology by W. B. Scott, Princeton University, 1920-21
 An Introduction to Geology by W. B. Scott, Princeton University, 1920-21
 Princeton Geological Society, 1921-57
 Letter to Edward Sampson, Department of Geology, Princeton, giving personal evaluations of Professors Field and Howell of Princeton, March 29, 1936
 Publications of Society
 Materials relating to Princeton Faculty - retirement, promotion
 Princeton Gateway Club, 1935-39
 Princeton Geological Letter, 1924-68
 Letters from Professor Howell, Princeton, 1924-26
 Notecards on "Climate and Man" (from student days?)
 Newsletters of Princeton Alumni Association and Princeton Club of Chicago
 July 4, 1947 issue of Princeton Alumni Weekly
 Programs of Geological Meetings, 1962-67
 Publications, 1922-23, 1928-29, 1931, 1935-37, 1940, 1947, 1950, 1966, 1968, 1969
 Bibliography, 1922, 1969
 Publication Lists of State Geological Surveys, 1923-63
 Publication Lists of U.S. Geological Survey and other Governmental Documents, 1922-67
 Pullen, P. William, Jr., 1945
 Papers and Reports related to Pullen's Doctoral thesis
 Q - Quadrangles, Geological Descriptions of various regions in the U.S.
 Quirk, Terence T., 1944, 1947
 "Resolution on the Death of Profession T. T. Quirk," Wanless, P. H. Brown, G. E.

- Moore, November 25, 1947
 "Transportation Power of a Stream Varies as the Sixth Power of the Velocity," Quirk, 1944
- R - Radio Talks, H. R. Wanless
 "Travelling the Pan-American Highway in Mexico," WILL, November 10, ?
 "Glaciers in Illinois," WILL, January 13, 1941
 "Talk" on Influence of Christ and Christianity over the world, WILL, October 1, 1960
- Rall, Elizabeth "Betty" (Mrs. Raymond Rall), 1953-58
 Correspondence, maps, newspaper clippings relating to doctoral thesis
- Read, Charles B., U.S. National Museum, Washington D.C., 1936-66
 David White Report, Books 1-9
 "List of Localities Yielding Fossil Plants. . . in Tennessee and Georgia," May 1939
 Including letter from Chester A. Reeds, American Museum of Natural History, N.Y.C., June 30, 1936
- Recommendations, 1967-69
- Reed, E. C., University of Nebraska, 1935
 Insoluble Residue Chart
- Religious Outlines and Notes, ca. 1935
 "Summary of New Testament Literature"
 "Religion and the Next Generation"
 "Adult Class Review of 'Fighters for Freedom' by A. K. de Blois"
 "Baptist Principles"
 Notes for Talk by Wanless
- Reprint Correspondence, 1954-64
 Mailing lists for reprints
 Correspondence with Jean Roger, Bureau de Recherches Géologiques et Minières, Paris regarding Wanless' article on Pennsylvanian in 8th Volume of the International Stratigraphic Lexicon, 1962
 Illinois Survey, Havana, 1957-69
- Miscellaneous Requests for Geologic Information, 1934-67
 Monica Binek, Dickinson, North Dakota, relating to buffalo fossils
 David Evans, Department of Geology, University of Nottingham, England, including photograph of pseudo-slump structures
 J. H. Wiebols, Union Corporation, Johannesburg, Union of South Africa
 Harold J. Bissell, Department of Geology, Brigham Young University, including "Theses and Dissertations Treating Upper Paleozoic Stratigraphy of Places in the Western States"
 Muriel McKeon, Journal of Geology, University of Chicago, including Wanless' and R. L. Langenheim, Jr.'s comments on "Correlation of Pennsylvanian Strata on the Basis of Northwestern Arkansas Goniaticites" by James H. Quinn
 Trevor D. Ford, Department of Geology, The University, Leicester, England
 W. A. Read, Geological Survey of Great Britain, Edinburgh, Scotland
 David Wanless Clotfelter, M.D., Montgomery, (Alabama?), concerning possible family ties to Professor Wanless
 Manual N. Bass, Department of Earth Sciences, University of California, San Diego
 Gary Lane, Department of Geology, UCLA
 Herbert J. Sullivan, Senior Research Scientist, Pan American Petroleum Corporation
 John R. Adney, Miles, Iowa, concerning personal research
 W. P. Millington, Department of Geology, Marquette University, concerning Mazon Creek fossil-bearing concretions

Research and Development Board Meeting, Photogeology, Washington D. C., 1952
 "Development of Methods and Materials for Teaching Photogeologic Interpretation,"
 Wanless, 1952

Rich, Mark, Department of Geology, University of North Dakota, 1959-63

Richardson, Eugene S., Jr., Curator of Fossil Invertebrates, Chicago Natural History Museum,
 1945-56
 Eugene Zangirl, Rainer, 1967-68

Rio Grande Delta Area MSS

Rioux, Robert, ca. 1953

Rhodes, Frank H. T., Department of Geology, University of Wales, Swansen, England, 1956-57

Robertson, W. I., Geology Department, Texas Technological College, 1932-33

Rocha-Campos, A. C., Department of Geology, University of San Paulo, Brazil, 1965-66

Rodges, John, Department of Geology, Yale, 1955

Rowlands, Richards A. Bruxelles, Belgium, 1938

Rubey, William W., U.S. Department of Interior, Washington D. C., 1938

Rusnak, Gene A., Scripps Institution of Oceanography, La Jolla, California, 1955-57

Russell, R. Dana, Ohio Oil Co., 1959-60
 Abstracts of talks on "Cyclic Sedimentation and its interpretation", Environmental
 Mapping of Depositional Stages of the St. David Cyclothem, Pennsylvanian,"
 "The Discrimination of Tillites from Other Rock Types Resembling Them"

Ryniker, Charles, Gulf Oil Corporation, Tulsa, 1942

Box 11:

Sabbatical Leave Permissions, 1938, 1948, 1965

Sabbatical Field Program, 1948-49
 Including back statements, payroll vouchers, appropriation ledgers, correspondence

Sabbatical Field Work (1948-49) and Correspondence, 1949-51, 1966
 "Field Note Index", data sheet, charts
 Letter to D. D. Henry reporting on sabbatical work, 1965-66, March 30, 1966

Sample set Information and correspondence, 1951-56
 Data Sheets

Savage, Thomas E. Memorial, 1948
 "Resolutions on the Death of Professor R. E. Savage", February 2, 1948, C. F. Hottes,
 Wanless, and F. W. DeWolf
 "Thomas Edmund Savage, 1866-1947"

Schneider, Michael, Department of Geology, De Pauw University, 1960

Scholarship, Correspondence regarding its repayment, 1924-26

Schopf, James M., Department of Interior, Bureau of Mines, 1941-67

Scott, Harold W., Department of Geology, Montana School of Mines, Butte, 1935-39, 1969

Sedimentation Bibliographies, ca. 1920's

Sedimentary Petrology, 1931-35
 Data Sheets, Charts
 Analyses of Valparaiso Till and Lemont Till, George Cohee
 "Results of Sand and Clay Analysis," John Barrett, 1935
 "Illinoian Till," W. S. McCabe, 1935
 photograph

Sedimentary Petrology Conference, 1954
 Abstracts, "Provenance Study of the Lower Pennsylvanian of the Eastern Interior Basin"

Raymond Siever: "Source of Sediments of the Armore Basin," Lynn Jacobsen

- Sharp, Robert, 1946
 Shell Development Company, 1960-61
 Shell Oil Company, 1953-54
 Correspondence relating to services performed for Shell Oil Company in Tennessee field work, expense statements
 "General Stratigraphic Section Outcropping in East-Central Tennessee," Wanless, July 4, 1953
- Shelton, John, 1952-54, 1960-61
 Correspondence including photographs of Geological formations in Oklahoma-Texas by Shelton, November 13, 1961
- Shepard, Francis P., Scripps Institute of Oceanography, La Jolla, California, 1937-66, 1968-69
 Shoreline Erosion, 1966-70, see Tydings
- Shrock, Robert R., Department of Geology, M.I.T., 1940-47
- Siever, Raymond, ca. 1955
 "Proposed Plan of Study"
- Sigma Xi
 1936-64
 Membership nomination, speaker engagements
 Departmental Representatives, 1958-65
 1959-65
 Chapter and national by-laws and constitution
 Westinghouse Science Talent Search Breakfast, 1961
 Sigma Xi grant-in-aid request correspondence, 1965
 1960-68
 Initiation meetings, speaker engagements
 1960-67
 Nomination lists, speaker engagements, minutes, agendas
- Simpson, H. Edwin, Jr., 1941
- Sinclair, William J., Department of Geology, Princeton, 1923-35
- Smith, Ernest R., De Pauw University, 1941
- Smithsonian Institution, 1923
- Society of Vertebrate Paleontologists, 1951, 1964
- Soils, 1943-45
- South Dakota Geological Expedition, 1921
- Southern Appalachian Coal Field Paper, settings and problems of the, 1968
- Speaking Engagements, Northwestern, Wisconsin, Notre Dame, Indiana, Tulsa, 1950-52
- Spence Lens Company, 1940
- Stansfield, John, Estate, 1943
- Stereo Slides
 "List of Stereorealist Kodachrome Slides", Wanless
- Stipes, Rooney A., 1938-48
 Correspondence relating to publications of Stipes Publishing Company
- Stoddard, George D., 1950
 "University of Illinois Four-Year Report, 1946-1950", Stoddard, 1950
 "A Report to the Board of Trustees on Conditions in Department of Economics and the College of Commerce and Business Administration", Stoddard, 1950
- Stookey, Don R., Department of Geology, University of Iowa, 1930-36
- Stratigraphic Correlation Tables, 1927-52
- Stratigraphic Notes, 1922, Field Notes 1920
- Sturgeon, Myron R., Department of Geology, Ohio University, Athens, 1956

Summer Session Contracts, 1945-67
 Summerson, Charles H., 1943-67
 T - Tennessee Valley Authority, 1939
 Tester, A. C., Department of Geology, University of Iowa, 1932
 Texas Bureau of Economic Geology, 1938-39
 Thatcher Glass Manufacturing Company, 1957
 "Report to Thatcher Glass Manufacturing Company", Wanless
 Thesis Correspondence 1957-68
 Correspondents working on theses: Donald E. Gednetz, Marle Righ, Robert Walpole,
 Robert Rioux, Thomas K. Searight, M. E. Hopkins, Michael Schneider, T. R.
 Simmonds, Don Gorman, William Metzger, Fred Cropp, John Rogers, Paul W.
 Hughes, Bob Sutton, Beryl Dickson, Guerry H. McClellan, Lewis R. Gray,
 Constance Gawne, Ed Sento
 "Pennsylvanian Limestone Textures in Southern Illinois," Wanless and R. B. Lennon, ca.
 1957
 Data Sheets, Charts Relating to Theses
 Outlines of Theses
 "Chronological List of Theses in Geology, VI", 1904-63
 Thompson, M. L., Department of Geology, University of Wisconsin, 1949-55
 Titus, Frank B., Jr.
 Thesis Outline, "Recent Unconsolidated Sediments between the Northern Keys and the
 Mainland of Florida"
 Torch Club of Champaign County, 1950-68
 Travel Expenses, 1924-25
 Travel Pamphlets from Sabbatical Year, ca. 1937-42
 Trefethen, Joseph M., Department of Geology, University of Wisconsin, 1934-35
 "Log of the Walworth Trip, Glacial Geology," April 22, 1933, JMT. and copy by
 Wanless
 Tri-State Field Conference Correspondence, 1953-59
 "Guidebook for the 19th Annual Tri-State Geological Field Conference", Wanless, 1955
 Tri-States Geological Field Conferences, 1933, 1935, 1937
 Tulsa Geological Society, 1956
 Photograph, "Isopach Map of Total Pennsylvanian"
 Tydings, Sen. Joseph - shoreline erosion, 1966-70

Box 12:

U - U.S. Coast and Geodetic Survey, 1963-66
 Photograph lists, purchase orders
 "Coastal Studies Project, Progress Report", first half 1965, Wanless
 Progress Report, Coastal Geomorphology, July-September 1965, Wanless
 January-June 1966, Wanless
 U.S. Geological Survey, Coal Geology, Short Course, 1956
 Examination Questions, 1924-68
 University Club, 1947-49
 UI Advisees, 1960
 University of Illinois Advisory Committee, 1944-64
 University of Illinois Committee on Aerial Photography, 1950, 1964-65
 Reports, Purchase Orders
 Correspondence, 1959-65

- "Stereogram Notes", Wanless and other evaluations of photographs
- Minutes of Committee meetings
- Annual Committee Report draft, 1965
- Photograph lists
- University of Illinois, Aerial Photograph Collection Index, Department of Geology, 1950
- Air Photograph Repository Catalog, 1966
 - Section: University of Illinois Stereogram Series, February 1, 1962
- Appointments, 1927-66
- Committee on Freshman Work, 1935-39
 - "Report of the Sub-Committee of the College of LAS on Freshman and Sophomore Programs", March 19, 1936; first and second drafts of report
 - Materials for Report on "Why Students Go To College"
- Conservation Camp, 1940-50
 - Minutes of Meeting of Committee on Conservation Laboratory Curriculum
 - "Soils Topics for Summer Conservation Course" and other suggestions and outlines for conservation courses
- College of Liberal Arts and Sciences, 1933-49
 - Reports to the Faculty from various Committees, Senate
- College of Liberal Arts and Sciences, 1950-63
- Graduate Research Board, 1965-68
- Miscellaneous, 1940-56
 - Generally Correspondence relating to committee work
- Personal Bureau, 1937
- The University Study of Geology MSS.
- University of Michigan, 1945-48
 - Correspondence with University of Michigan faculty and other geologists at Camp Davis, Wyoming
 - Pamphlet, Newsletter relating to University of Michigan's Camp Davis Geological Program in Wyoming
 - Abstract, "Paleozoic and Mesozoic Columns in the Gros Ventre, Teton, Hoback, Wyoming, and Snake River Ranges, Wyoming", Wanless, R.L. Belknap, Helen Foster, and H. H. Gray
- University of Sydney, 1958-59
 - Correspondence with W. A. Telfer, Registrar
- Urbana Association of Commerce, 1950
 - Pamphlets, Newsletters
- Urbana Exchange Club, 1953-69
- V - Vades, Robert L, 1969-70
- Van Leckwyck, W. P., Antwerp, Belgium, 1959
- Vertebrate Paleontologists, 1931-40, 1958
- Ver Wiebe, Walter A., Editor, American Association of Petroleum Geologists, 1941
- Visiting Lecture Talks, Wanless, 1952-57
 - "Evidence of Eustatic Shifts in the Sea Level in the Pennsylvanian of the Southwestern U.S.", draft and final paper, 1952
 - "Development of Methods and Materials for Teaching Photogeologic Interpretation"
 - "Carbonate Research at the Illinois Geological Survey", Wanless?
 - Clipping of UPI article on Wanless' theory of limestone formation, 1953
- W - Waller High School, Chicago, 1934
 - Alumni Newsletters
- Wanless, Personal, 1943-60

H. R., 25 year letters from Alumni, 1948-49
 Letters from alumni congratulating Wanless on Anniversary of 25 years of teaching

Rhoda E. (Mother), 1925

Ziebell, Ziamba, and Carozzi Paper, XX International Geological Congress, ca. 1956
 Drafts, diagrams, lists of illustrations

"Regional Variations in Pennsylvanian Lithology," MS, 1946

Outlines of Geological Talks, 1958-65
 Paper "Observations on Some Relations between Water and Agriculture in the U.S.", ca. 1958-59

Ward's National Science Establishment, 1952-62

Ward's Catalogs, Mineral Collector's Catalog and Fine Mineral Specimens, 1938-53 (sample)

Ward's Mineral Bulletin, 1936-41

Ward's Natural Science Bulletin, 1941-55

Warrior Basin Research, Alabama - Mississippi, 1954-56
 Abstract and Paper, "Pennsylvanian Rocks and Sport Floras from the Subsurface Warrior Basin, Mississippi", Wanless, F. Cropp, and R. M. Kosanke, ca. 1955

Warrior Basin Studies, 1967 GSA, 1967-68

Box 13:

Weller, J. Marvin, Illinois State Geological Survey, 1931-39; University of Chicago, 1946-62
 "Comments on Marvin Weller Manuscript, 'Paleoecology of the Pennsylvanian Period in Illinois and Adjacent States,'" Wanless, 1950
 Copies of papers by Weller
 "Comments on Manuscript 'Cyclothems and Larger Sedimentary Cycles of the Pennsylvanian' by J. Marvin Weller", Wanless, 1957

West Texas Geological Society, 1967-69

West Virginia Geological Survey, 1940-51

Western Kentucky Geological Society, 1938

White, George, Department of Geology, Ohio State University, 1945-48

Wilson Ornithological Club, 1940-41

Women's Auxiliary Training Corps, 1943
 Outlines for course in map reading

Woodford, A. O. Pomona College, Claremont, California, 1956

Wright, Cynthia R., 1968

Wyckoff, Jerome, 1965-68

Wyoming Paper, Geological Society of America, 1949-55
 Galley Pages, photographs and proofs, data sheets

Y - Young Men's Christian Association, Champaign, 1967

Z - Zangerl, Rainer Studies, 1962-64
 "Review" of Zangerl and E. S. Richardson's Paleogeological History of Two Pennsylvanian Black Shales", Wanless, 1963 or 1964

Ziebell, Warren, Gulf Oil Corporation, 1952-56

Ziamba, Eugene A., 1956
 Catalog of Negatives belonging to Wanless
 Glass Plate Negatives, 1917-23

Box 14:

Manuscripts and Theses

- Wanless, "Geology and Mineral Resources of the Beardstown, Glasford, Havana and Vermont Quadrangles, Illinois; Stratigraphy, Post-Pennsylvanian, manuscript
Manuscript, incomplete
- et. al., "Paleozoic and Mesozoic Rocks of Gros Ventre, Teton, Hoback, and Snake River Ranges, Wyoming," manuscript, 1946 including Photographs
Corrected manuscript
Third copy
- "Pennsylvanian Rocks of Eastern Interior Basin," manuscript
- "Pennsylvania Geology of a Part of the Southern Appalachian Coal Field"
manuscript, ca. 1945
Second copy with photograph and plate proofs
- "Local and Regional Factors in Pennsylvanian Cyclic Sedimentations",
manuscript, 1963
- "Depositional Basins of Widespread Pennsylvanian Coals in the United States,"
manuscript
- "Stratigraphy of the Lower Pennsylvanian of Illinois", manuscript, second copy
"Stratigraphy", ca. 1950
- Correspondence on the White-Read manuscript, "Lower Pennsylvanian Flora in Illinois", and Wanless, "Stratigraphy", 1950-52
- "Stratigraphy of the Coseyville and Tradewater Group of Illinois", manuscript
- "Late Paleozoic Glaciation", manuscript and proof copy, ca. 1964
- "Geology and Mineral Resources of the Beardstown, Glasford, Havana and Vermont Quadrangles, Illinois; Post-Pennsylvanian Stratigraphy",
manuscript
Incomplete manuscript
- "Pennsylvanian System", manuscript
- "Environmental Interpretation of Coal Distribution in the Eastern and Central United States", Lecture
- "Studies of Field Relations of Coal Beds", manuscripts
- Wanless, Rhoda E., Physiographic Ecology, Botany 34, Summer 1915, "A Study of the Sand Dunes at Miller, Indiana"
- J. W. Meyer, "Sedimentation Report"
- Roker and Roth, "Type Section of Hermosa Formation Colorado"
- George F. Taubeneck, "The Cro-Magnon Man", 1930, Geology 28
- Tom, G. F., "Dawson Butte Area", Thesis, M.S., ca. 1947

Box 15:

- Tubb, J. B., et. al., "Interpretation of some Pennsylvanian Cyclothem through Environmental Mapping", manuscript
- Turner, Frank L., "Historical Geology of Mexico"
- Vessel, F. H., "Geological History of the Native South American Hoofed Mammals,"
1929, Geology 28
- Ziebell, Zegatives of Figures and Column
Geology Field Notes, November 1938
- Wanless, Field Notes, Chattanooga Quadrangle, 1939
- Ann Livesay, Field Notes, Camp Davis, Jackson, Wyoming, 1943
- H. H. Gray, Mesozoic Stratigraphy, Camp David, Jackson, Wyoming, 1946
- R. F. Fisher, Centrifuge Work, 1936

Photograph Sampler of Rock Formations Mounted on Construction Paper
 Sections located: Counties of Arizona, Illinois, Nevada, New Mexico, Texas,
 Utah
 Electric Well Log Studies
 J. G. Pearson, Well Log Studies, Pennsylvanian Cross Sections through the Eastern
 Interior Basin
 Well Log Studies, Illinois
 Well Log Data, Illinois, Indiana, Mississippi
 Raw Data:
 Data Sheets, Pannsylvanian Biological Facies
 Notes on Spacing of Columns in Cross Sections A-T
 North African Field Studies, 1919
 County Field Studies
 Folders number 1 and 2, 1937-47
 Photostatic list
 "Correlation of Major Marine Invasions"
 Summary of data on Geological beds in counties in the Middle Atlantic,
 Southern, Midwestern, plains and Southwestern regions, with
 index
 List of Pennsylvanian Counties, incomplete
 List of Wells in which Pennsylvanian section was studied, West Texas and
 Southeast New Mexico
 Data on Counties in midwest, plains, and Appalachian Areas
 Folder 3, ca. 1940's
 List of Counties with Pennsylvanian Rocks either in Surface or Subsurface
 Data on Counties in Midwest, Plains, Appalachian regions

Box 16:

Correspondence, General, 1923-38
 Course Materials, Lecture Notes, Exams, 1926-39
 Drafts and Revisions of Manuscripts, general
 Field Trips, Information Sheets and Correspondence, 1927-35
 Illinois Stratigraphic Studies, publications and outlines, 1930-38
 Maps and Charts, general
 Notes and Outlines, including field notes of South Dakota
 Stratigraphic Studies (2 folders), 1922-29
 Photographs, Aerial, Louisiana Gas and Oil Surveys
 Publications
 Pennsylvanian Correlations in to Eastern Interior and Appalachian Coal Fields,
 Geological Society of America, 1939
 Eastern Interior Basin Coal Fields, various papers
 General Publications, 1931-40 (2 folders undated)
 Review Notes, Bibliographical, including books on fossil studies (2 folders), 1916-29
 Shell Development Company Talks, Lecture Outlines, 1960

Box 17:

Geological Field Note Books (mostly typescript, with annotated maps, by States and locations
 within States, describing soil and rock tyoes and other geological features)

Arizona, 1951
 Arizona, California, Colorado, and Nevada (maps only), no date
 Arizona, New Mexico, and Texas, 1940-49
 Colorado, Iowa, and New Mexico, 1931-34
 Colorado, Kansas, and New Mexico, 1950
 Indiana, 1935
 Kentucky (2 books), 1935
 Kentucky, 1935-36
 with handwritten notes included
 Kentucky, 1938

Box 18:

Kentucky and Virginia, 1935-36
 Maryland and West Virginia, 1930-35
 Missouri, 1931
 Nevada, 1949
 Ohio, 1935
 Pennsylvania, 1935
 Tennessee - North, no date
 Tennessee - South, no date
 Tennessee - Frozen Mountain Section, 1938
 Tennessee and Virginia, 1935
 Wyoming (Field Summary Data, Keysort Cards), ca. 1954-55

Box 19:

Handwritten Notes (looseleaf, describing locations within States and their soil and rock types and other geological features, later typed), 1949

#1: Arizona
 #2: Arizona
 (no #3)
 #4: New Mexico
 #5: Arizona and Nevada
 #6: Arizona
 #7: New Mexico
 #8: Arizona
 #9: Nevada
 #10: New Mexico
 #11: Arizona
 #12: Arizona
 #13: Arizona
 #14: Nevada

Box 20:

#15: Arizona
 (no #s 16-18)
 #19: New Mexico
 Unnumbered (some partial notes): Colorado, New Mexico, and Utah

Hand-written Notebooks (describing geographical features), Arizona, 1950
 New Mexico, 1949
 Tennessee, Book #2, 1938
 Book # 3, 1938
 Oklahoma Geological Survey Field Notes, handwritten and typed, Sycamore - Woodford
 Notebook #2, ca. 1929
 Handwritten Notebook with Field Notes (Buxton) and Notes on Talks, undated

Box 21: Oversize (See: 50-12)

Canadian Provinces and Lake States Region, 10 maps, 1928, 1930, 1935, 1939-40

HAROLD R. WANLESS

Summary of Professional Career

Princeton University, B.S. 1920, M.A. 1921, Ph.D. 1923.

Doctorate dissertation on White River Oligocene strata of South Dakota badlands.

University of Illinois, Department of Geology, 1923 to present.

Successively, Instructor, Associate, Assistant Professor, Associate Professor, Professor.
 Acting Chairman, 1946-47; Director of University Field Camp, 1950, 1951.

University of Michigan. Member of summer field camp staff at Camp Davis, Jackson,
 Wyoming, summers of 1945, 1946, 1947.

Illinois State Geological Survey. Summer field work at intervals since 1925; Consultant on
 Pennsylvanian stratigraphy

United States Geological Survey. Geologist WAS, 1954 to present; Concerned with preparation
 of paleotectonic folio of Pennsylvanian system.

National Science Foundation. Holder of research project grant for study on environmental
 mapping of Pennsylvanian strata, mapping each unit of a sequence, 1963-65

United States Coast and Geodetic Survey. Cooperative project with University of Illinois on
 study of coastal changes revealed by successive dates of aerial photography, 1964 to
 present.

Senior Fulbright Research Fellow to University of Sydney, Australia, 1958-59, for study of late
 Paleozoic glacial deposits of Australia.

Teaching: Currently graduate courses in Sedimentation, Advanced Dynamic Geology,
 Advanced Historical Geology, Photogeology, Pennsylvanian Geology; Undergraduate
 course in Field Methods; Formerly Elementary Physical Geology, Agricultural Geology,
 Physical Science, Geologic History of Vertebrates, Geology of Upper Mississippi Valley,
 Geologic Maps.

Research: Pennsylvanian Geology of Illinois, Appalachian Basin, Southwestern United State;
 Cyclic Sedimentation; Environmental Mapping of Paleozoic Strata; Late Paleozoic

glaciation; South Dakota Oligocene; Stratigraphy of Northwest Wyoming; Geologic Photo-interpretation, especially of coastal changes.

Offices: Illinois State Academy of Science, President, 1938-39

Sigma Xi, President Illinois Chapter, 1964-65

University of Illinois Committee on Aerial Photography, Chairman, 1962-64

Consultant, at times, to three major oil companies and two gas storage companies.

HAROLD R. WANLESS

Selected list of more important publications

1923. The Stratigraphy of the White River beds of South Dakota, American Philosophical Society Proceedings, vol. 62, p. 190-269.
1929. Geology and Mineral Resources of the Alexis Quadrangle, Illinois. Illinois State Geological Survey, Bulletin 57, 230 pp.
1931. Pennsylvanian Cycles in Western Illinois. Illinois State Geological Survey, Bulletin 60, p. 179-193.
1932. (with J. M. Weller) Correlation and Extent of Pennsylvanian Cyclothems: Geological Society of America, Bulletin, vol 43, pp. 1003-1016.
1936. (with F. P. Shepard) Sea Level and Climatic Changes related to Late Paleozoic Cycles: Geological Society of America, Bulletin, vol. 47, p. 1177-1206.
1939. Pennsylvanian Correlations in the Eastern Interior and Appalachian Coal Fields: Geological Society of America, Special Paper 17, 130 pp.
1942. (with J. M. Weller, L. M. Cline and D. G. Stookey) Interbasin Pennsylvanian Correlations, Illinois and Iowa: American Association of Petroleum Geologists, Bulletin, vol. 26, pp. 1585-1593.
1943. (with R. C. Moore and Pennsylvania Sub-Committee, National Research Council) Correlation of Pennsylvanian Formations of North America: Geological Society of America, Bulletin, vol. 55, pp. 657-706.
1946. Pennsylvanian Geology of part of Southern Appalachian Coal Field: Geological Society of America, Memoir 13.
1947. Regional Variations in Pennsylvanian Lithology: Journal of Geology, vol. 55, pp. 237-253.
1951. Late Paleozoic cycles of sedimentation in the United States: International Geological Congress, Report of 18th Session, part 5, pp. 17-28.
1951. Outstanding Aerial Photographs in North America: American Geological Institute, Report no. 5, 87 pp.
1952. (with Jacquelyn Patterson) Cyclic Sedimentation in the Marine Pennsylvanian of Southwestern United States. Troisieme Congres pour l'avancement des etudes de Stratigraphy et de Geologie du Carbonifere, Comte Rendu, Heerlen, Netherlands: vol. 2, pp. 653-664.
1954. Studies of field relations of coal beds. Second Conference on Origin and Constitution of Coal, Crystal Cliffs, Nova Scotia, June, 1952. Nova Scotia Research Council, pp. 148-185.

1955. (with Ralph L. Belknap and Helen Foster) Paleozoic and Mesozoic Rocks of Gros Ventre, Teton, Hoback, and Snake River Ranges, Wyoming. Geological Society of America, Memoir 63, 90 pp.
1957. (with Joseph C. Mueller) Differential Compaction of Pennsylvanian Sediments in Relation to Sand-Shale Ratios, Jefferson County, Illinois. *Journal of Sed. Petrology*, vol. 27, pp. 80-88.
1957. (with W. G. Ziebell, E. A. Ziemba, and A. Carozzi) Limestone Texture as a Key to Interpreting Depth of Deposition. International Geological Congress, 20th Session, Section 5, pp. 65-82.
1960. Evidences of Multiple Late Paleozoic Glaciation in Australia. International Geological Congress, 21st Session, part 12, Regional Paleogeography, pp. 104-110.
1961. Depositional Basins of Some Widespread Pennsylvanian Coal Beds in the United States. Nova Scotia Research Council, 3rd Conference on Origin and Constitution of Coal, pp. 94-128.
1962. Pennsylvanian Rocks of Eastern Interior Basin: American Association of Petroleum Geologists, Special Volume: Pennsylvanian System in the United States, pp. 4-59.
1963. (with J. B. Tub, Jr., D. E. Gednetz, and J. L. Weiner) Mapping Sedimentary Environments of Pennsylvanian Cycles. Geological Society of America, Bulletin, volume 74, pp. 437-486.
1963. Pennsylvanian. International Geological Congress. Commission de Stratigraphie, vol. VIII: Termes Stratigraphiques Majeurs, 64 pages, maps.
- (in press) Local and Regional Factors in Pennsylvanian Cyclic Sedimentation: Bulletin of Kansas Geological Survey
- (in press) Review article on Late Paleozoic Glaciation: Volume 1 of a new review journal published in the Netherlands.
- (completed for publication in a memoir of the Geological Society of America) Conditions of Deposition of Pennsylvanian Coal.
1957. Geology and Mineral Resources of the Beardstown, Glasford, Havana and Vermont quadrangles, Illinois. Illinois State Geological Survey, Bulletin 82, 233 p.
1960. (with R. M. Kosanke, J. A. Simon and H. B. Willman) Classification of the Pennsylvanian Strata of Illinois. Illinois State Geological Survey, Report Investigations no. 214, 84 pp.

Outline of Kinds of Materials
which would be available
for archives on Harold R. Wanless

- I. Training
 - A. Princeton University, 1916-23. Professors, courses, course outlines if available.
 - B. Geology of Rosendale, New York. An unpublished but bound summary of three two-week sessions in the field in 1919, 1920 and 1921, for first field training in a classic area for Appalachian stratigraphy and structure. Under Professor G. Van Ingen.
 - C. Stratigraphy and depositional history of the White River badlands of South Dakota and fossil mammals. Ph.D. thesis project under Professor W. J. Sinclair. Most of thesis published.
- II. University of Illinois 1923-67.

The following are the principal courses I have taught. For a number of these course outlines are available. There was quite an interesting opportunity to experiment in teaching the Physical Geology Laboratory course in the 1930s and 1940s when it was a separate course from the lecture and quiz. Many innovations were tried.

 - A. Agricultural Geology (Elementary)
 - B. Physical Geology (Elementary)
 - C. Physical
 - D. Physical Science (DGS course including physics, astronomy, chemistry and geology. I was a member of the group which organized the DGS program of courses in the late 1930s and the Physical Science course.
 - E. Field mapping course taught in Easter vacation week in the spring, successively near Elizabethtown, Rushville, LaSalle, Golconda, Vienna, and Makanda, Illinois, and Marion, Kentucky.
 - F. Field course for students with one or more semesters of geology, for many years having involved a trip southeastward from Urbana, to the Great Smoky Mountains, crossing several structural and geomorphic belts, with written student reports on particular topic turned in.
 - G. Western summer field camp. I had charge of this program in its first two years, 1950-51 near Durango, Colorado. An 8-Weeks course filling the entire summer session.
 - H. Geologic history of vertebrates. An elementary and popular course in development and history of vertebrates taught for several years in the late 1920s. Required one or two semesters of geology.
 - I. Topographic and geologic maps. A course for senior majors taught in the 1940s.
 - J. Geology of Illinois. A course for Juniors or seniors taught in the later 1940s.
 - K. Sedimentation. A graduate course taught most years between 1929 and 1967.
 - L. Sedimentary petrology. A graduate course dealing largely with methods of analyzing sediments taught in the early 1940s, and later taken over by Hough and still later Richards.
 - M. Advanced dynamic geology. A graduate course dealing with geologic processes of all sorts. Taught from late 1930s to 1960s.

(2)

- N. An Advanced historical geology. A graduate level summary of the knowledge of the history of the earth, and of life on it.
 - O. Geology of the Upper Mississippi Valley. A graduate course involving six week-end field trips during the fall semester, and reports on them.
 - P. Pennsylvanian Geology. A graduate seminar type course taught from 1950 to 1967. Involved a field trip generally about four days in length.
 - Q. Photogeology. Geological interpretations from aerial photographs. A graduate course taught from about 1960 to 1969. Much laboratory work with individual interpretive studies of various types of terrain.
- III. University of Michigan.
From 1945 through 1947, I was on the staff of the University of Michigan western geological field station at Camp Davis, near Jackson, Wyoming, in charge of stratigraphy and paleontology. A research memoir noted below was also a product of this appointment.
- IV. There was some correspondence and one or two small papers in new developments of teaching methods in my courses.
- V. Research project. More or less in order of initiation.
- A. Pennsylvanian Geology of Illinois. 1925-1960s. Mapping of two areas, both published, and regional reconnaissance over much of the Illinois coal basin. Correlation; lateral variations.
 - B. Cyclic sedimentation in the late Paleozoic and its causes. About 1930-1967. Earliest studies in Illinois, but subsequent studies spread over much of North America and other Pennsylvanian basins of the world.
 - C. Interbasin studies of Pennsylvania strata in the central and eastern United States. 1932-1969. Illinois basin, northern Midcontinent, Appalachian coal field.
 - D. Interpretations of textures of ancient carbonate rocks. 1949 to about 1956. Studies of Ordovician, Mississippian and Pennsylvanian carbonates.
 - E. Interpretations of Pennsylvanian rock types (underclay, coal, black fissile shale, clastic wedges, etc.). 1920s on.
 - F. Paleogeographic reconstruction of Pennsylvanian landscapes in central and eastern United States. A bed-by-bed paleogeographic mapping of more than 150 Pennsylvanian units. Results of about 18 thesis type investigations. (1957-1969).
 - G. Paleotectonic map project of U. S. Geological Survey for Pennsylvanian folio for United States Pennsylvanian east of Nebraska, Kansas and Arkansas. 1953-present.
 - H. Stratigraphy and fusulinid faunas of Pennsylvanian of southwestern United States. Field work 1949, more than 6000 fusulinid thin-sections ground, but not more than half of material worked up as yet. W. Texas, New Mexico, Arizona, S. Nevada, SW Colorado, SE and central Utah.
 - I. Late Paleozoic glaciation and sediments in Australia (1958-59) and largely from literature in other Gondwana areas. Measured outcrop sections to 31,000 feet, 200 or more pebble count studies to determine sources and directions of sediment flow. Study of tillite, varve rocks, and glacial outwash sediments in New South Wales, Tasmania, Victoria, South Australia and Western Australia, and a little in Queensland.

- V. K. Nondepositional records or diastems in the Pennsylvanian. To be written up, but not yet done.
 - L. Facies of North American Upper Carboniferous. Prepared for International Congress of Carboniferous Geology and Stratigraphy, Sheffield, England, 1967 (published).
 - M. Paleozoic and Mesozoic Stratigraphy of ranges in northwestern Wyoming (Tetons, etc.). A byproduct of participation in the U. of Michigan field camp (published).
 - N. Coastal Changes along the borders of the United States. Studies with Francis P. Shepard, former Illinois professor, on Atlantic, Gulf, Pacific, Alaskan and Hawaiian coasts. A book manuscript completed in 1969 and in hands of publishers. From about 1961 to 1969 student theses related to coastal changes in New Jersey, Maryland, North and South Carolina, Florida and Texas. These were drawn on in the book manuscript.
 - O. As a member of the Univ. of Illinois Committee on Aerial photography 1960-present, a series of about 200 stereograms geologic subjects were prepared, and more than 200,000 prints have been distributed to educational institutions around the world. Descriptive interpretations of each stereogram were prepared and distributed by the committee.

- VI. Books of textbook character.
 - A. A work book including about 90 stereograms, mostly of geologic subjects with descriptions rewritten at level of junior high school general science classes, published by Hubbard Scientific Company. Has had wide use in high schools and in universities, although not prepared for university students.
 - B. Maps and serial photographs. An elementary book about maps, generally accompanied by topographic maps and aerial photographs of same areas, intended for use in grade school science. Illustrations nearly all prepared but text not yet written. Suggested by Professor Nelson, Department of Education, Miami University, Oxford, Ohio. Nearly all examples are different than in Committee of Aerial Photography stereogram sets.

- VII. Bibliography.
 - A. List of publications by H. R. Wanless with copies of as many as possible, and list classified by topical heads above.
 - B. List of student theses done wholly or partly or wholly under my direction, with copies of as many as are available.
 - C. Subject index of geological literature in personal library, including journal articles and reprints. There are about 30,000 3" x 5" cards, though the list is now about two years behind, due to my absence in California working on the coastal book.
 - D. Manuscripts, especially of unpublished papers.

- VIII. Alumni correspondence. Many letters from departmental alumni over the years have indicated the nature of post-graduation careers, and helped to maintain interest on part of alumni in the department.

- IX. Administration. Minutes of department of Geology staff meetings, University committees, and announcements from the department.

- X. Societies.
 - A. Illinois State Academy of Science. I served as Secretary, Vice President, President, Chairman of Geology section, and organizer of a collegiate section for research by undergraduate students. There is considerable correspondence about Academy affairs during years of my active association with it.
 - B. Illinois Chapter, Society of Sigma Xi. I twice served as Vice President, and once as President, and have correspondence for years of my active participation.
- IX. Consulting.
 - A. Geologic mapping in search of suitable structures for oil exploration in about 5000 square miles in Tennessee for a major oil company.
 - B. Consultant and adviser on problems of Pennsylvanian correlations and facies changes in parts of the southern Illinois Basin. For (a) different major oil company. I have also given series of lectures at research laboratories of two major oil companies.
 - C. I was a consultant for the Northern Illinois Gas Company in the search of large areas in northern Illinois which might have suitable conditions for underground storage of natural gas. Some of these structures have been developed and are in use for gas storage.
- XII.
 - A. Kodachrome slides. (heading F). Present and former staff members of the Department of Geology and State Geological Survey and their families. 150 slides.
 - B. Heading FA). University of Illinois geology students and alumni and their families, and student field trips. 605 slides.
 - C. Slides of Geologic subjects (S-SB, T-TG, and U-UG). About 3000 slides.

Harold R. Wanless

b. December 5, 1898, Chicago

1920	Princeton, B. Sc.
1921	Fellow
1921-22,	
1922-23	Scholar
1921	M.A.
1923	Ph.D.
1921-22	Reader
1923-26	Illinois, Instructor
1926-29	Associate
1929-37	Assistant Professor
1937-46	Associate Professor
1946-	Professor
1925	Illinois State Geological Survey, Geologist
1954	United State Geological Survey, Geologist
1958-59	Fulbright, University of Sydney
1953	Consultant

Stratigraphy and sedimentation of carboniferous rocks of North America and Australia

March 8, 1971

MEMORIAL TO HAROLD ROLLIN WANLESS (1898-1970)

Harold Rollin Wanless joined the staff of the Department of Geology of the University of Illinois in 1923. He was born in Chicago, December 5, 1898, the son of William and Rhoda Tanner Wanless. After graduation from Robert Waller High School in Chicago, he entered Princeton University on a scholarship and received the B. S. degree in 1920 and was appointed to a fellowship in the Princeton Graduate School. He received the M.A. degree in 1921 and the Ph.D. in 1923. He came to the University of Illinois in 1923 as an instructor and rose through the ranks of associate, assistant professor, and associate professor to a professorship in 1946. He was Chairman of the Department during the academic year 1946-47. Although he became professor emeritus in 1967, his research and publications not only continued but even increased until shortly before his death on June 3, 1970, in his 72nd year.

He married the former Grace Rogers in 1926 and she together with a son, Harold Rogers Wanless, now completing his work for the Ph.D. in geology at The John Hopkins University, and a grandson, David survive.

Professor Wanless' earlier work on the Tertiary rocks of the Badlands region in South Dakota resulted in two monographic reports. However soon after coming to Illinois, he began studies of the Paleozoic rocks of Illinois, particularly the late Paleozoic (Carboniferous - Pennsylvanian) rocks which contain the large coal deposits. He extended his work on these rocks from Illinois to adjoining states and then to all parts of North America and eventually to the study of these coal-bearing rocks in Europe and Australia. His interest was primarily their origin, petrographic character, and the repetitive cycles they exhibited. His theories of cyclic sedimentation and of the environment in which the rocks were deposited gained world-wide acceptance and acclaim. He was invited to national and international conferences to discuss his findings. His publications include more than 100 journal articles and seven books, several of which are now basic reference works.

In addition to his wide-ranging work of the coal-bearing rocks, he made significant contributions in the fields of glacial geology, geomorphology, sedimentary petrology and paleontology. He was one of the earliest geologists to use air photographs and soon became a leader in the field of photo-geology. He was widely sought as a consultant by mineral industry companies, but (which some thought a bit quixotic) accepted very few such invitation because it would take him away from his work with students and joint research with them.

Professor Wanless was President of the Illinois academy of Science in 1938, Senior Research Fellow in Australia in 1958-59, President of U.I. Chapter of Sigma Xi in 1964-65, Distinguished Lecturer of the American Association of Petroleum Geologists in 1956, and an invited lecturer at the British Association for the Advancement of Science in 1967 and at the Sixth International Carboniferous Congress in England in 1967. He was a member of several international geological congresses, in which he took active part in sessions and field excursions.