



2/15/20
President
James J. Stukel
James J. Stukel Papers, 1958-1984

CHRONOLOGY

March 30, 1937	Born in Joliet, Illinois
1959	Earned B.S. in Mechanical Engineering from Purdue University.
1959-61	Research Engineer for West Virginia Pulp and Paper Company
1963	Earned M.S. in Mechanical Engineering from the University of Illinois at Urbana-Champaign
1965-68	Committee on Institutional Cooperation (CIC) Biometeorology Fellow
1968	Earned Ph.D. in Mechanical Engineering from the University of Illinois at Urbana-Champaign
1968-71	Assistant Professor, University of Illinois at Urbana-Champaign
1971-72	Environmental Scientist, Institute for Environmental Quality, State of Illinois
1971-75	Associate Professor, University of Illinois at Urbana-Champaign
1974-76	Director, Office of Coal Research and Utilization, University of Illinois at Urbana-Champaign
1975-present	Professor, University of Illinois at Urbana-Champaign
1976-1981	Director, Office of Energy Research, University of Illinois at Urbana-Champaign
1976-81	Director, Ohio River Basin Energy Study (ORBES)
1978-80	Director of Energy Research and Office for Interdisciplinary Projects, University of Illinois at

2/15/20

2

Urbana-Champaign

1980-83

Director, Universities Research Group on Energy (URGE)

1981-1984

Director, Public Policy Program, Department of Engineering, University of Illinois at Urbana-Champaign

1985-1986

Dean, Graduate College, University of Illinois at Chicago

1985-1986

Vice Chancellor for Research, University of Illinois at Chicago

1986-1991

Executive Vice Chancellor, University of Illinois at Chicago

1986-1991

Vice Chancellor for Academic Affairs, University of Illinois at Chicago

1990-1991

Interim Chancellor, University of Illinois at Chicago

1991-1995

Chancellor, University of Illinois at Chicago

1995-present

President, University of Illinois

Box 1:

CLASS NOTES

Aerosols

Air Pollution Seminar, 1965

1966

Acoustic Pressure Transducer

Air Conditioning, 1962

Analog Computer, 1958-67 (2 folders)

Auto Controls Experiment, 1962-63

Boiling Loop Experiment

Chemistry 234, 1969

Compressors, 1961-66

Computer Engineering 348–Air Velocity Instruments

Direct Reading Physical Instruments
Exam 2, 1966
Exam 3, 1966
Isokinetic Sampling
Problem Set 1, 1966
Problem Set 2, 1966
Problem Set 3, 1966
Problem Set 4, 1966
Schedule
Computer Engineering 448–Problem Sets, 1969
Convective Heat Transfer
Diesel, 1964, 1967
Electrical Precipitators
Fundamentals of Bioclimatology, 1964-66
Gas Collectors, 1966
Instrumentation, 1956-63
Internal Combustion Engines
Mechanical Engineering 202–Course Notes
Definitions
Exams, 1967-70
Problem Sets
Mechanical Engineering 250
Mechanical Engineering 263–Lectures, 1970
Mechanical Engineering 301–Laboratory
Mechanical Engineering 303–Term Papers, 1968, 1970
Mechanical Engineering 348, 1966-71
Miscellaneous, 1963-65
Particulate Flow Seminar, 1966
Physiology 374–Human Ecology, 1970
Power Plant Experiment, 1964-65
Pulsating Flows, 1962
Pumps and Fans, 1964
Radiation
Refrigeration
Statistics, 1961
Thermoelectric Experiment
Turbine Experiment, 1964

Box 2:

PERSONAL CHRONOLOGICAL FILE

November 1974–June 1975
July 1975–June 1976
July 1976–June 1977

2/15/20

4

July 1977–July 1978

Box 3:

August 1978–March 1981

PERSONAL APPOINTMENT BOOKS

1975-79

Box 4:

SUBJECT FILES

Air Pollution–Education, 1968-69

Laws, 1968

Manpower Seminar, 1970

New Courses

Research Grant Information, 1969

Talks, ca. 1968

Air Pollution Committee–American Society of Mechanical Engineers, 1968-69

Air Pollution Control–Research Grants, 1969-70

Air Pollution Proposal, 1968-69

Air Pollution Research at University of Illinois, 1968

Air Pollution Study Committee Report–State of Illinois, 1968

Air Resources Program, 1971

Alumni Information, 1968-70

“Analog Dialogue,” 1967

Application for Research Grant, 1969

Applied Mechanics Reviews, 1969

Army Corps of Engineers, 1965, 1970

Atmospheric Science Graduate Program, 1970

Buffalo Forge Company, 1969

Build Curriculum Conference–Air Pollution Education, 1969

Bureau of Mines Proposal–Aerodynamic Modeling of Transient Gas-Solid Suspensions,
1970-72

Champaign-Urbana–Campus Pollution Control Committee, 1970

Chancellor’s Conference, 1970

Chanute Air Force Base–Stack Test

College Committees, 1969-72

Social, 1969-70

College of Engineering–Faculty Meetings, 1968-69

College Policy and Development Committee, 1970-71

Committee on Fundamental Thermodynamics–Meetings, 1967

Committee on Institutional Cooperation, 1964-66

Biometeorology Graduate Program, 1966-71
Commonwealth Edison Company–Proposed Projects, 1969
Companies
Computer–Time Estimates, Time Cards, 1969-73
Computer Seminar
Consulting Regulations, 1969
Contract Procurement Information, 1968-70
Contracts–Terminal Progress Report, 1967-70
Correspondence, 1967-70
 Incoming, 1969-71
 Re: Parker Badger’s Book, 1967
Course Outlines, 1973
Course Proposal–Mechanical Engineering 303, 1969
 Mechanical Engineering 402, 1969
Curriculum Development, 1964-72
Departmental Planning Committee, 1970
Detroit Edison Contract, 1967-69
Digital Computer Lab–Corrosion Problem
Doctoral Candidates–Examinations, 1969
Ehmen, Eldred, 1968-69
Electro-Aerodynamic Precipitator
Environmental Engineering, 1970
Environmental Health Engineering–Training Grant Proposal, 1970
Environmental Science, 1969-70
Environmental Wind Tunnel Proposal, 1970
Equipment and Service Facilities–Mechanical Engineering Department, 1968
Faculty Conference–Chancellor, 1970
Graduate Committee Reports, 1970-72
Graduate Student Committees, 1972
Graduate Students–University of Illinois, 1968-69
Graduate Study–Sanitary Engineering, 1969
Graduate Study and Research in Engineering for Air Pollution Control, 1969
Haas, John, 1967-68
Halter, Paul, 1968
Heat Power Division–Meetings, 1969-70

Box 5:

Illinois Power–Fellowship, 1975
Industrial Combustion Emissions Model for Acid Rain Analyses, 1983-85 (2 folders)
Letters of Recommendation, 1978-84
Martin, Robert, 1977-78
Meetings–Miscellaneous, 1976-77
Metro-APEX, 1978-79
North Central Association of Colleges and Schools, 1982

Office of Energy Research–Correspondence, 1979-83
 Progress Report to Department of Energy, 1978-81
 Pfeffer, John, 1979
 Public Policy Program (University of Illinois), 1982
 Resumes, 1977-83
 Reviews, 1977-79
 Russell, G. A–Memoranda to, 1975-76
 Speeches, 1975-78
 State Policy Research Conference, 1978
 Survey Research Laboratory, 1980-81
 Universities Research Group on Energy (URGE)–Congressional Liaison, 1982-83
 Ward, Roscoe, 1979

Box 6:

OHIO RIVER BASIN ENERGY STUDY (ORBES) NEWSPAPER CLIPPINGS

Unfiled Articles, 1979-80
 1.1–Coal Gasification/Liquification, 1977-80
 1.2–Utility Companies, 1977-80
 1.3–Carter Administration Energy Plan, 1976-80
 1.3.1–Reactions by Congress, 1977-80
 1.3.2–Reactions by Others, 1977-80
 1.4–Solar and Other Alternative Forms of Energy, 1977-80
 1.5–Proposed Coal Plants, 1977-80
 1.6–Proposed Nuclear Plants, 1977-80
 1.7–General, 1977-80
 1.8–State Energy Policies and Plans, 1976-80
 1.9–Coal Production, 1977-80
 1.10–Environmental Considerations, 1976-80

Box 7:

1.11–Energy Reserves, 1977-80
 1.12–Energy Prices, 1977-80
 1.13–Transportation, 1977-80
 1.14–ORBES, 1976-79
 1.15–U. S. Nuclear Fuel Production, 1977-78
 1.16–General Conservation of Energy, 1977-80
 1.17–International Nuclear Technology, 1976-80
 1.18–Oil, 1977-80
 1.19–Natural Gas, 1977-80
 1.20–Energy and Environment Regulation, 1976-80
 1.21–Nuclear Safety, 1979-80

2/15/20

7

- 1.22–Intergovernmental Conflict, 1979-80
- 1.23–Hazardous Waste Disposal, 1979-80
- 1.24–Proposed Power Plants, 1979
- 1.25–Tennessee Valley Authority, 1979-80

ORBES CORRESPONDENCE

- September 23, 1975–September 7, 1976
- September 7, 1976–November 11, 1976
- November 11, 1976–December 30, 1976
- January 1, 1977–February 17, 1977

Box 8:

- February 17, 1977–April 20, 1977
- April 20, 1977–June 30, 1977
- July 1, 1977–August 9, 1977
- August 9, 1977–September 26, 1977
- September 26, 1977–November 30, 1977
- December 1, 1977–January 10, 1978
- January 10, 1978–January 30, 1978
- February 1, 1978–February 6, 1978
- February 6, 1978–February 22, 1978
- February 24, 1978–April 17, 1978

Box 9:

- April 18, 1978–May 15, 1978
- May 17, 1978–June 7, 1978
- June 7, 1978–July 10, 1978
- July 10, 1978–August 1, 1978
- August 2, 1978–August 13, 1978
- August 18, 1978–September 1, 1978
- September 5, 1978–September 7, 1978
- September 15, 1978–October 2, 1978
- October 2, 1978–October 16, 1978
- October 16, 1978–November 30, 1978

Box 10:

- December 4, 1978–December 18, 1978
- December 18, 1978–January 8, 1979
- January 8, 1979–January 30, 1979
- January 31, 1979–February 21, 1979
- February 23, 1979–March 6, 1979

2/15/20

8

March 6, 1979–March 30, 1979
April 2, 1979–April 20, 1979
May 7, 1979–May 18, 1979

Box 11:

February 1, 1980–February 13, 1980
February 14, 1980–March 4, 1980
March 18, 1980–March 28, 1980
March 28, 1980–April 24, 1980
April 24, 1980–May 21, 1980
May 21, 1980–May 28, 1980
May 28, 1980–May 30, 1980
May 30, 1980–June 30, 1980
July 1, 1980–July 16, 1980
July 16, 1980–August 19, 1980
August 20, 1980–September 29, 1980
September 29, 1980–October 29, 1980
October 31, 1980–December 22, 1980
December 22, 1980–February 19, 1981
February 20, 1981–March 30, 1981

Box 12:

April 1, 1981–September 15, 1981

ORBES SUBJECT FILES

Advisory Committee–Columbus, Ohio, meeting, January 3, 1979
Lexington, Kentucky, meeting, October 3, 1979
Core Team Meetings–Minutes, April 1979–May 1978
May 1978–September 1979
Public Meeting–Louisville, Kentucky, July 13, 1978
Siting Committee, 1978 (2 folders)
1979-80
Work Plan–Phase II, 1978

ORBES-PHASE 1 PUBLICATIONS

May 15, 1977–“Preliminary Technology Assessment Report,” Volume II-A
Volume II-B
Volume II-C

Box 13:

- Richard Tybout, "A Benefit-Cost Analysis of Power in the ORBES Region,"
Volume III-B Special Study Report
- Sue Johnson and Esther Weil, "Social Aspects of Power Plant Siting," Volume
III-D Special Study Report
- Clara Leuthart and Hugh T. Spencer, "Radionuclide and Metal Ion Content of
Late Summer Ohio River Sediments: McAlpine Pool 1976," Volume III-I
Special Study Report
- November 1977—"ORBES Phase I: Interim Findings," Interagency Energy-Environment
Research and Development Program Report

ORBES-PHASE 2 PUBLICATIONS

- November 1978—Steven Jansen, "Electrical Generating Unit Inventory 1976-1986,
Illinois, Indiana, Kentucky, Ohio, Pennsylvania and West Virginia"
- March 1979—"Symposium on Energy and Human Health: Human Costs of Electric Power
Generation"

Box 14:

- James Hartnett and Jan Saper, "Energy Consumption Patterns: Illinois, Indiana,
Kentucky, Ohio, Pennsylvania, and West Virginia (1975)
- April 1979—Walter Page and John Gowdy, "Gross Regional Product in the Ohio River
Basin Energy Study Region 1960-1975"
- June 1979—David Walls et. al., "A Baseline Assessment of Coal Industry Structure in the
Ohio River Basin Energy Study Region"
- David Walls et. al., "A Baseline Assessment of Coal Industry Structure in the
Ohio River Basin Energy Study Region: Appendix—County Coal Profiles"
- Maurice Shapiro, "Pennsylvania Baseline Part I: General Information, Sections 1-
3"
- Norman Flint, "Pennsylvania Baseline Part 2: Impact Assessment Data Base,
Chapter 1, Sections 1-3--Geology, Climatology and Soils"
- George Kay, Jan Sykora, and Maurice Shapiro, "Pennsylvania Baseline Part 2:
Impact Assessment Database, Chapter 1, Section 4—Terrestrial Ecology"
- George Kay, Attila Sooky, and Maurice Shapiro, "Pennsylvania Baseline Part 2:
Impact Assessment Data Base, Chapter 1, Section 5—Surface Hydrology"
- Attila Sooky, "Pennsylvania Baseline Part 2: Impact Assessment Data Base,
Chapter 1, Section 6—Water Quality"
- George Kay, Jan Sykora, and Maurice Shapiro, "Pennsylvania Baseline Part 2:
Impact Assessment Database, Chapter 1, Section 7—Aquatic Ecology"
- Richard Burgess, Rabinder K. Sharma, and Maurice A. Shapiro, "Pennsylvania
Baseline Part 2: Impact Assessment Data Base, Chapter 2—Socio-
Economic Characteristics"
- August 1979—Walter Page, "Energy Consumption in the Ohio River Basin Energy Study
Region, 1974, by End User and Fuel Type"
- September 1979—Steven Gordon and Anna Graham, "Site-Specific Socioeconomic
Impacts: Seven Case Studies in the Ohio River Basin Energy Study Region"

- November 1979–Charles Baer et. al., “West Virginia Baseline”
 Patrick Mann and Tom Witt, “An Economic Analysis of the Electric Utility Sector in the Ohio River Basin Region”
- March 1980–Duane Chapman, Kathleen Cole, and Michael Slott, “Energy Production and Residential Heating: Taxation, Subsidies, and Comparative Costs”
- April 1980–Jan Saper and James Hartnett, eds., “The Current Status of the Electric Utility Industry in the Ohio River Basin Energy Study States”
- June 1980–Clara Leuthart and Hugh Spencer, “Fish Resources and Aquatic Habitat Impact Assessment Methodology for the Ohio River Basin Energy Study Region”
- July 1980–Edward Radford, “Impacts on Human Health from the Coal and Nuclear Fuel Cycles and Other Technologies Associated with Electric Power Generation and Transmission”
- August 1980–Donald Blome, “Coal Mine Siting for the Ohio River Basin Energy Study”
 Steven Gordon and Christopher Badger, “A Model of Migration in the Ohio River Basin Energy Study Region”
 E. Earl Whitlach and John A. Aldrich, “Energy Facility Siting Procedures, Criteria, and Public Participation in the Ohio River Basin Energy Study Region”
- September 1980–Boyd Keenan, “Ohio Basin Interstate Energy Options: Constraints of Federalism”

Box 15:

- James Stukel and Brand Niemann, “Ohio River Basin Energy Study: Air Quality and Related Impacts Volume 1--Documentation in Support of Key ORBES Air Quality Findings”
- Teknekron Research, “Ohio River Basin Energy Study: Air Quality and Related Impacts Volume III--Selected Impacts of Electric Utility Operations in the Ohio River Basin (1976-2000): An Application of the Utility Simulation Model”
- October 1980–Teknekron Research, “Ohio River Basin Energy Study: Air Quality and Related Impacts Volume II--Air Quality and Meteorology in the Ohio River Basin: Baseline and Future Impacts”
 Steven Gordon and Anna Graham, “Regional Socioeconomic Impacts of Alternative Energy Scenarios for the Ohio River Basin Energy Study Region”
- Richard Newcomb and Bruce Bancroft, “Capital Requirements and Busbar Costs for Power in the Ohio River Basin, 1985 and 2000”
- ORBES Core Team, “Ohio River Basin Energy Study (ORBES): Main Report Executive Summary”
- Harry Potter and Heather Norville, “Ohio River Basin Energy Study: Social Values and Energy Policy”
- E. Downey Brill, Jr. et. al., “Potential Water Quantity and Water Quality Impacts of Power Plant Development Scenarios on Major Rivers in the Ohio Basin”

- November 1980–Gary Fowler et. al., “The Ohio River Basin Energy Study Energy Facility Siting Model Volume II: Sites and On-Line Dates”
 Steven Jansen et. al., “Nuclear Energy Risks and Benefits”
 James McLaughlin, “Legal and Institutional Aspects of Interstate Power Plant Development in the Ohio River Basin Energy Study Region”
 ORBES Core Team, “Ohio River Basin Energy Study (ORBES): Main Report”
 Walter Page, “An Economic Analysis of Coal Supply in the Ohio River Basin Energy Study Region”
 Walter Page and John Gowdy, “Economic Losses in the Columbus SMSA Due to Long-Range Transport of Airborne Residuals in the Ohio River Basin Energy Study Region”
 Walter Page, Doug Gilmore, and Geoffrey Hewings, “An Energy and Fuel Demand Model for the Ohio River Basin Energy Study Region”
 Walter Page, James Ciecka, and Gary Arbogast, “Estimating Regional Losses to Agricultural Producers from Airborne Residuals in the Ohio River Basin Energy Study Region, 1976-2000”
 J. C. Randolph and William Jones, “Ohio River Basin Energy Study: Land Use and Terrestrial Ecology”
 Maurice Shapiro and Attila Sooky, “Ohio River Basin Energy Study: Health Aspects”
 Daniel Willard et. al., “A Land Use Analysis of Existing and Potential Coal Surface Mining Areas in the Ohio River Basin Energy Study Region”
 January 1981–ORBES Core Team, “Ohio River Basin Energy Study (ORBES): Main Report,” Interagency Energy/Environment Research and Development Program Report
 February 1981–James Stukel and Boyd Keenan, “Comments on the Ohio River Basin Energy Study”

Box 16:

UNIVERSITIES RESEARCH GROUP ON ENERGY (URGE) CORRESPONDENCE

- April 21, 1980–October 6, 1980
 October 8, 1980–October 29, 1980
 November 1, 1980–December 15, 1980
 December 15, 1980–January 30, 1981
 February 1, 1981–March 17, 1981
 March 18, 1981–April 30, 1981
 May 1, 1981–June 25, 1981
 June 25, 1981–July 13, 1981
 July 14, 1981–August 14, 1981
 August 17, 1981–September 14, 1981
 September 14, 1981–October 13, 1981
 October 14, 1981–November 17, 1981

2/15/20

12

Box 17:

November 20, 1981–December 21, 1981
December 21, 1980–February 16, 1982
February 17, 1982–March 22, 1982
March 22, 1982–April 16, 1982
April 16, 1982–May 24, 1982
May 24, 1982–June 25, 1982
June 25, 1982–July 23, 1982
July 23, 1982–August 31, 1982
September 1, 1982–September 24, 1982
September 24, 1982–October 29, 1982
November 1, 1982–November 22, 1982
November 23, 1982–December 21, 1982
January 3, 1983–January 31, 1983

Box 18:

February 1, 1983–February 28, 1983
March 1, 1983–April 4, 1983
April 4, 1983–April 20, 1983
April 21, 1983–April 29, 1983
May 2, 1983–May 31, 1983
May 31, 1983–June 30, 1983
July 1, 1983–August 19, 1983
August 19, 1983–September 30, 1983
October 3, 1983–October 31, 1983
October 31, 1983–November 30, 1983
December 1, 1983–January 11, 1984
January 12, 1984–February 29, 1984
March 1, 1984–April 9, 1984
April 10, 1984–May 31, 1984

Box 19:

June 4, 1984–June 22, 1984
June 29, 1984–August 2, 1984
August 2, 1984–August 31, 1984
December 10, 1984–February 3, 1985

URGE PUBLICATIONS

February 1982–“First-Year Progress Report of the Universities Research Group on Energy (URGE)”
March 1983–“The Advanced Utility Simulation Model: Background, Status, and Plans

2/15/20

for Completion”

13