7/21/3
Graduate College
Center for Advanced Computation
ILLIAC IV Project File (1967-74)

Box 1:

3D Raytracing Utilizing the ILLIAC IV Computer Final Report, September 1, 1973
3D Stress Wave Code for the ILLIAC IV, 1974
Norma Abel Correspondence, 1971
    Correspondents include Ray Borelli, Val Kransky, Neil R. Lincoln, Randall Rustin, Joel Shecter, Major J. William Whitaker
Allerton Conference Notes, 1971
Norma Abel's Work, 1969-70
Allocation of Funds (U.S. Air Force), 1970
Correspondence–Peter Alsbery, 1968-70
Application of the ILLIAC IV Computer to Problems in the Numerical Calculation of Electromagnetic Fields, undated
Armed Forces B500/6500 Timing Study, undated
Aspects of ILLIAC IV's Preshipment Performance Test, 1972
B6500 Series Computer, 1969-70
Correspondence–Phil Baker, 1969
Correspondence–Alan J. Beals, 1970
Correspondence–Pierre Belayche, 1969
Benchmarks, 1969
Burroughs Corporation Consultancy, 1969
Correspondence–Ken Champion, 1969
Correspondence–Hui-Wen Chen, 1969
Correspondence–Melville Clark, 1970
Computer Review Committee, 1970
Computer Use, 1970
Consultant Agreements, 1970-71
Consulting Agreements, 1971
Conversion of the Dragnet Code to the ILLIAC IV Computer, 1973
    Includes correspondence between H.L. Wilson and Dr. R.E. Price, Director, Defense Nuclear Agency, regarding ILLIAC IV and the Dragnet Code
Correspondence, 1968-69
    Correspondents include A.B. Carroll, David Haratz, Daryl Hicks, David E. McIntyre, Richard E. Marks, and S.M. Stafford
Correspondence, Jan.-April 1970
    Correspondents include William Gear, Vernon Smith, and Richard S. Varga
Correspondence, May-Oct. 1970
Correspondence, 1971-72
Diagrams, undated
Correspondence–Thomas Dowell, 1968-70
Correspondence–Richard Ehrlich, 1968-69

Correspondence–Lester Elliot, 1969
The Energy Transport Properties of One Dimensional Anarmonic Lattices, 1973
Establishment of Center for Advanced Computation Proposal, 1970
Evaluation of the ILLIAC IV for Application to Computations in the Oil Industry, 1970
Final Report of the Tensor/ILLIAC IV Project, 1973
Final Test Report for ILLIAC IV, 1973
Correspondence–Stanley Flowerdew, 1969
General Financial Status Report, 1969
Correspondence–John Gloekler, 1969
Glypnir–A Programming Language for ILLIAC IV, 1973
Glypnir Reference Manual, 1972-73
Correspondence–A.B. Gourlay, 1969
Graphic Display Terminal System, 1970
Correspondence–Bryce hannon and Ken Haydeen, ca. 1969
Hanratty, Thomas, 1968-70

Box 2:

ILLIAC IV Documents, 1972
ILLIAC IV Final Technical Report, 1973
ILLIAC IV Project Phase I Final Technical Report and Proposal for Phase II, 1966
ILLIAC IV Related Proposals, 1970
ILLIAC IV Systems Characteristics and Programming Manual, 1970
Information Systems Design, 1968-69
The Institute for the Future, 1969-70
Interim Systems Manual, 1973
Correspondence–Jacques La France, 1969
LRL Joint Effort, 1970
Correspondence–Duncan Lawrie, 1970
Duncan Lawrie–Correspondence (2 folders), 1971
    Correspondents include Norma Abel, David McIntyre, Mike Randall, George Wenzel, Karle G. Balke, Ray Borelli, David E. McIntyre, and Jeffrey Serage
Lech Corporation Tape Drives, undated
William Leubrie–Correspondence, 1971
Linear Programming, undated
Long Time Estimates, 1969
Correspondence–Richard Marks, 1969
Correspondence–Carl Marquis, 1969
Massachusetts Computer Associates, Inc., Papers, 1973
Correspondence–David McIntyre, 1970
David McIntyre–Correspondence, Oct. 1970-Jan. 1971
    Correspondents include Arthur B. Carroll, J. A. Githens, Stephen J. Lukasik, Al Reich, Joel Shechter, and Lieutenant Colonel Richard Thayer
David McIntyre–Correspondence (2 folders), Feb. 1971-July 1971
    Correspondents include Arthur Carroll, Hans Mark, Mel Pirtle, Al Reich, Stephen J.

Lukasik, Al Reich, G. Dale Sheckles, and Lieutenant Colonel Richard Thayer

David McIntyre Resumes, 1970 **(RESTRICTED)**
Correspondence–Paul McQuesten, 1969
Memos, 1969-70
Memos from David McIntyre, Jan.-April 1970
Memos from David McIntyre, May-Sept. 1970
Carlton Mills–Correspondence, 1970-72
Minuteman Computers, 1970
Correspondence–Willard Miranker, 1967-69
Correspondence–Ben Mittman, 1969
Correspondence–Richard Molyneaux, undated
Monte Carlo Code Conversion to the ILLIAC Computer, 1972-73
Monthly Computer Charge by Category, 1969
Charles Moorhead–Correspondence, 1971
Robert Northcote–Correspondence (2 folders), 1967-70 **(RESTRICTED)**
Includes letters of recommendation Northcote wrote for former students, as well as his analysis of potential employees for the ILLIAC IV project; correspondents include Murray W. Allen, I.N. Capon, Bruce Moon, and J.P. Penny
Northwestern University, Vogelback Computing Center, 1969
Not for Profit Proposal for the Center for Advanced Computation, 1970
Yoshimitsu Ogura Research Proposal, 1970
On Adding a Timing Simulator to SSK, undated
On the Effect of Data Traffic on Pandora Design, 1971
Organizational Chart, 1969
Pandora Language Reference Manual, 1973
Correspondence–John Pasta, 1969
Ray Patel–Correspondence, 1971-72
Correspondence–Ralph Pennington, 1968-70

Box 3:

Correspondence–Z. Popinski, 1969
Press Seminar Handout Prepared by the Institute for Advanced Computation, 1973
Program Statement, 1970
Project Eagle, 1970
Project Personnel, 1970
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Projected Activities, 1971
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Proposal for the Continuance of a Modest ILLIAC IV Software Effort at the University of Illinois, 1971
Proposal for a Parallel Network Computer (ILLIAC IV), 1966
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Publications, 1970
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Quarterly Progress Report Summary, 1969
Correspondence–S. Rajan, 1970
Rand Corporation Meeting, 1969
Random Check of David McIntyre's Work, 1970
Report on Burroughs Corporation Cost Overruns, 1970
Reports, 1971-72
Request for Funds to Operate Center for Advanced Computation, 1969
Request for Information, 1969
R+D Associates, 1972-73
R+D Associates (3 folders), 1972-74
Resumes for National Science Foundation Proposal, 1970
Correspondence–Lawrence Roberts, 1969-70
    Correspondents include Daniel L. Slotnick, David McIntyre, and Morris Knapp
Rough Description, undated
Salary Committee, 1969
Correspondence–Ahmed H. Sameh, 1969
Seismic Data, 1970
Correspondence–Michael Sher, 1969-70
Short Course, 1969-70
Correspondence–Daniel Slotnick, 1969-70
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Software Iteration, 1971
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A.I. Stocks, undated
Subroutines, Operating Codes, random Pseudo Operations, 1971
Summation to a Specific Significance, undated
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System Guide for the ILLIAC IV User (2 folders), 1973
M. Talaat–Correspondence, 1970-71
Task Status Reports, 1967-68
Tensor Code, 1969
Timing and the Design of Pandora's Compressor, undated
User Codes, undated
User Time Requirements, 1969
Users Group Newsletters, 1969
Correspondence–W.F. Van Tassell, 1970
Robert Van Tuyl–Correspondence, 1971-72
View Graphs, 1970
Correspondence–E.L. Wachspress, 1969
G. Wagenbreth–Correspondence, 1971
Weather File, 1969
Correspondence–Steve Wersan, 1969
Leon Zar–Correspondence, 1971

Box 4:
Allerton Conference Transparencies (3 folders), 1971