

# Jerome J. Lohr College of Engineering Records

## COLLECTION SUMMARY

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IDENTIFIER

UA 8

TITLE

Jerome J. Lohr College of Engineering Records

DATES

1913-2022

PHYSICAL DESCRIPTION

2.42 linear feet [2 record boxes, 1 document case]

NAME OF CREATOR(S)

South Dakota State University. Jerome J. Lohr College of Engineering

LANGUAGE

English

REPOSITORY

South Dakota State University Archives and Special Collections

Hilton M. Briggs Library (SBL) Room 241, Box 2115

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ABSTRACT

The mission of the Jerome J. Lohr College of Engineering is to provide a rigorous, practical education oriented toward problem-solving; to conduct world-class regionally relevant research; and to provide technical assistance to existing and emerging businesses, industry, and government.

This collection is composed of materials related to Engineering and Science Research, biographical information on prominent persons related to the college, material dealing with the engineering controversy of the early 1970s, the Impulse magazine, and history of the college.

## HISTORICAL NOTE

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The first catalog of South Dakota State University contains plans for an engineering course of study. A full course was outlined for interested students, and in 1891, the two members of the graduating

class were engineering students. Courses were taught in civil and mechanical engineering, and the electrical engineering course was taught through the Department of Physics, known for a short while as the Department of Physics and Electrical Engineering. By 1900, enrollment in the engineering course had grown to such an extent that separate departments for civil, mechanical and electrical engineering were established.

In 1924, all departments of South Dakota State University were arranged into five units known as divisions, precursors of the modern colleges. The Engineering Division offered coursework in electrical, mechanical or civil engineering leading to a Bachelor of Science degree. Physics and mathematics were in the general science division, and the Agriculture Division administered agricultural engineering. All later moved to the Engineering Division and are today part of the College of Engineering.

Decreasing enrollment in engineering courses at the university, combined with ongoing financial problems, led the South Dakota Board of Regents to make an unpopular recommendation in 1976. Known around campus as the Engineering Controversy, the proposal recommended that only one engineering school, to be housed at the School of Mines in Rapid City, was needed in South Dakota. The plans for carrying out the proposal went far, but the proposal was never carried out. Nevertheless, it caused a significant stir both in and out of Brookings and resulted in a renewed interest in the College of Engineering.

In 1986, the College of Engineering established a new program to serve South Dakota. The Engineering and Environmental Research Center was established to serve the university, citizens and industry of South Dakota through a variety of programs. Among the programs established was the Engineering Extension Service, which formalized the extension work of the college. Also included are the Office of Remote Sensing, the South Dakota Local Transportation Assistance Program, the University/Industry Technology Service and the Manufacturing Extension partnership.

Jerome J. Lohr came to South Dakota State University in the fall of 1955 to pursue a degree in civil engineering. The College of Engineering has produced entrepreneurs, innovators and leaders in the profession throughout its 132-year existence. Yet Jerry Lohr has no peer in terms of his overall and lasting impact on the College - as a donor, fundraiser and advocate.

SDSU decided to honor Lohr's profound role in transforming the college by recommending that it be named the Jerome J. Lohr College of Engineering. SDSU's recommendation was ratified by a committee of the South Dakota Board of Regents, and then accepted by the full Board on June 20, 2013.

## CONTENTS NOTE

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This collection is composed of materials that pertain to the college. Folders contain booklets, programs, brochures, correspondence, minutes, periodicals, reports, posters, and photographs.

A large portion of the material deals with Engineering and Science Research at South Dakota State University. This material consists of summary sheets, reports, and correspondence and is arranged by a researcher's name. This material covers research for engineering, chemistry, pharmacy, and agronomy.

Also included is biographical information on prominent people related to the College of Engineering, including, Harold M. Crothers, Harry Solberg, Halvor Solberg, and Guy Lee Boyden.

A file on the engineering controversy of the early 1970s dealing with the possible transfer of the College of Engineering from South Dakota State University to another institution in the state. This material consists mainly of clippings, but also included is correspondence and notes.

Other items of note include several files of brochures on the various programs offered by the college, the Impulse magazine, a periodical published by the college featuring events and happenings in the college, and file dealing with the history of the College of Engineering at South Dakota State University.

## SUBJECT HEADINGS

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### SUBJECTS

- South Dakota State University. Jerome J. Lohr College of Engineering
- Engineering – Research
- Engineering – Study and teaching (Higher)

## ACCESS

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Requests to publish should be arranged with the SDSU Archives and Special Collections.

## CONTAINER LIST

| <b>Box</b> | <b>Folder</b> | <b>Description</b>  | <b>Date(s)</b>        |
|------------|---------------|---|-----------------------|
| 1          | 1             | 70 Years of Engineering, 1884-1954  | 1954                  |
| 1          | 2             | American Society for Engineering Education-Mechanics Division               | 1956-1957 circa       |
| 1          | 3             | Annual Reports  | 2014-2018             |
| 1          | 4             | Annual catalog - Division of Engineering                                    | 1962 April            |
| 1          | 5             | A.S. in Manufacturing Technology open house                                 | 2000s circa           |
| 1          | 6             | Boyden, Guy Lee   | 1954                  |
| 1          | 7             | Briggs Scholarship Interview Weekend  | 2004 February 27-28   |
| 1          | 8             | Building a Career in Engineering  | undated               |
| 1          | 9             | Clippings   | 1960-1993             |
| 1          | 10            | Cade of Ethics for Engineers  | 1987                  |
| 1          | 11            | College of Engineering booklet  | 1990s circa           |
| 1          | 12            | College Training for Engineers  | undated               |
| 1          | 13            | Comparative Ranking by H.M. Crothers  | undated               |
| 1          | 14            | Computer Center Development History   | 1971-1975             |
| 1          | 15            | Construction Management   | 2004, 2007 circa      |
| 1          | 16            | Correspondence  | 1963, 1969, 1971      |
| 1          | 17            | Coughlin, Charles Lyons   | 1955                  |
| 1          | 18            | Distinguished Engineers Banquet   | 1977-2008             |
| 1          | 19            | Electric Meter Short Course   | undated               |
| 1          | 20            | Electronics Engineering Technology  | 1990 Fall, 2007 circa |
| 1          | 21            | Engineering . . . At South Dakota State College                             | undated               |
| 1          | 22            | Engineering and Science Research: Andersen, John R. (engineering)           | 1956 March            |
| 1          | 23            | Engineering and Science Research: Bailey, Harold S. (pharmacy)              | 1956 March            |
| 1          | 24            | Engineering and Science Research: Bergstresser, Neil (engineering)          | 1956 March            |
| 1          | 25            | Engineering and Science Research: Blackwell, Willis P. (pharmacy)           | 1956 March            |
| 1          | 26            | Engineering and Science Research: Brandwein, Bernard J. (chemistry)         | 1957 January          |
| 1          | 27            | Engineering and Science Research: Burnett, C.R. and Froslic, H.M. (physics) | 1955 May              |
| 1          | 28            | Engineering and Science Research: Campbell, Donald E. (chemistry)           | 1954 May              |
| 1          | 29            | Engineering and Science Research: Cheadle, J.N. (engineering)               | 1956 April            |
| 1          | 30            | Engineering and Science Research: Correspondence                            | 1956 February         |

| <b>Box</b> | <b>Folder</b> | <b>Description</b>   | <b>Date(s)</b>       |
|------------|---------------|--|----------------------|
| 1          | 31            | Engineering and Science Research: Crothers, Harold M. (engineering)                                  | 1956 March           |
| 1          | 32            | Engineering and Science Research: Devor, Arthur W. (chemistry)                                       | 1956 March           |
| 1          | 33            | Engineering and Science Research: Duffey, George H. (chemistry)                                      | 1953-1955            |
| 1          | 34            | Engineering and Science Research: Essler, Warren (engineering)                                       | 1956-1957            |
| 1          | 35            | Engineering and Science Research: Fead, J.W.N. (engineering)   | 1956 April           |
| 1          | 36            | Engineering and Science Research: Funds  | 1956 February        |
| 1          | 37            | Engineering and Science Research: Government contracts   | 1956 April           |
| 1          | 38            | Engineering and Science Research: Greb, Raymond, J. (agronomy)                                       | 1955-1956            |
| 1          | 39            | Engineering and Science Research: Gross, Guilford C. and Patt, Walter H. (pharmacy)                  | 1952-1954            |
| 1          | 40            | Engineering and Science Research: Johnson, Emory E. (engineering)                                    | 1956                 |
| 1          | 41            | Engineering and Science Research: Klug, Harlan L. (chemistry)  | 1955-1956            |
| 1          | 42            | Engineering and Science Research: Lange, Winthrop (pharmacy)   | 1955-1956            |
| 1          | 43            | Engineering and Science Research: Lindley, Kenneth E. (engineering)                                  | 1956                 |
| 1          | 44            | Engineering and Science Research: Miller, Bruce L. (engineering)                                     | 1956 May             |
| 1          | 45            | Engineering and Science Research: Redman, Kenneth (pharmacognosy)                                    | 1956 March           |
| 1          | 46            | Engineering and Science Research: Suggested Areas of Research for Air Conditioning and Refrigeration | 1956 circa           |
| 1          | 47            | Engineering and Science Research: Tanaka, John (chemistry)   | 1957 January         |
| 1          | 48            | Engineering and Science Research: Webster, Victor S. (chemistry)                                     | 1952 December        |
| 1          | 49            | Engineering and Science Research: Williams, Perry W. (engineering)                                   | 1957 June            |
| 1          | 50            | Engineering controversy  | 1971-1972, 1978      |
| 1          | 51            | Engineering Division News  | 1962 circa           |
| 1          | 52            | Engineering Exploration Days   | 1991-1992, 1996-1997 |
| 1          | 53            | Engineering Expo   | 2005 April 22        |
| 1          | 54            | Engineering Hall Art Dedication  | 1989 October 27      |
| 1          | 55            | Engineering Open House   | 1968, 1972, 1975     |
| 1          | 56            | Engineering Research Review magazine   | 2013-2017            |

| <b>Box</b> | <b>Folder</b> | <b>Description</b>  | <b>Date(s)</b>     |
|------------|---------------|---|--------------------|
| 1          | 57            | Engineering Technology and Management   | 2003-2004          |
| 1          | 58            | Engineers Smoker  | 1950 February 1    |
| 1          | 59            | Enrollment summary  | 1956-1958          |
| 1          | 60            | Entrepreneur's Workshop   | 1990               |
| 1          | 61            | Ethnicity Matters Conference  | 2002 October 18-19 |
| 1          | 62            | Evening for Harold and Helena (Crothers_  | 1955 May 21        |
| 1          | 63            | Fact sheets   | undated            |
| 1          | 64            | Graduation ceremony   | 2011-2016          |
| 1          | 65            | History   | 1913-2002          |
| 1          | 66            | Impact '87 Trade Fair   | 1987               |
| 1          | 67            | Industrial Management   | 1990, 2007 circa   |
| 1          | 68            | International Honor Society for Scientific and Engineering Research Initiation Awards Banquet | 2008               |
| 1          | 69            | Investiture ceremony of Harold C. Hohbach   | 2011               |
| 1          | 70            | Investiture ceremony of John M. Hanson  | 2014               |
| 1          | 71            | Jackrabbit Roundup Engineering and Physics Exhibits   | 1940               |
| 1          | 72            | Joint meeting SDSU-SDSM&T Engineering Faculty   | 1990 February 10   |
| 1          | 73            | Making Connections - Seminar of Ethics in a Technological Society                             | 1989 October 26-27 |
| 1          | 74            | Minneapolis-Honeywell Regulator Company work study program                                    | 1951, 1955-1957    |
| 1          | 75            | News releases   | 1969, 1974, 1986   |
| 1          | 76            | Northern Great Plains Water Resources Research Center   | 1989               |
| 1          | 77            | Northern States Power Company   | 1958 January-March |
| 1          | 78            | Objectives of the Engineering Division  | undated            |
| 1          | 79            | Order of the Engineer - Charge to the Engineering Participants                                | 1994 May 7         |
| 1          | 80            | Order of the Engineer   | 1984-2011          |
| 1          | 81            | Research and Outreach Report  | 1988-1992          |
| 1          | 82            | Robin Hood Junior Honorary Society  | 1950, 1957         |
| 1          | 83            | Rube Goldberg Contest   | undated            |
| 1          | 84            | Safety Management   | 2007 circa         |
| 1          | 85            | Salaries and Statistics   | 1956-1957          |
| 1          | 86            | Selective Service   | 1967-1968          |
| 1          | 87            | Senior Design Conference  | 2004, 2006         |
| 1          | 88            | Sigma Tau Honorary Engineering Fraternity, Delta Chapter                                      | 1962               |
| 2          | 1             | Solberg, Halvor C.  | 2003               |
| 2          | 2             | Solberg, Harry Leland   | 1955               |
| 2          | 3             | South Dakota Inventor's Congress  | 1997               |
| 2          | 4             | SDSU Product Development Center   | undated            |
| 2          | 5             | SDSU Engineer   | 1972-1975          |

| <b>Box</b> | <b>Folder</b> | <b>Description</b>   | <b>Date(s)</b>       |
|------------|---------------|--|----------------------|
| 2          | 6             | SDSU-Flandreau Indian School Success Academy   | 2003-2007            |
| 2          | 7             | Special Committee on Rules for Departmental Administration in the College of Engineering | 1956 April 12        |
| 2          | 8             | Student Opportunities and the Master Plan  | undated              |
| 2          | 9             | Summer School for Teachers of Engineering Mechanics                                      | 1950 September 11-15 |
| 2          | 10            | Sustainable Design workshop  | 2007 August 1-15     |
| 2          | 11            | Ultra-Light Plan   | undated              |
| 2          | 12            | Welders' Institute   | 1952-1954            |
| 2          | 13            | Where Minds Set Free Can Fly   | undated              |
| 2          | 14            | Virgil G. Ellerbruch - Retirement  | 2001                 |
| 2          | 15            | Impulse [magazine]   | 1984                 |
| 2          | 16            | Impulse [magazine]   | 1985                 |
| 2          | 17            | Impulse [magazine]   | 1986                 |
| 2          | 18            | Impulse [magazine]   | 1987                 |
| 2          | 19            | Impulse [magazine]   | 1988                 |
| 2          | 20            | Impulse [magazine]   | 1989                 |
| 2          | 21            | Impulse [magazine]   | 1990                 |
| 2          | 22            | Impulse [magazine]   | 1991                 |
| 2          | 23            | Impulse [magazine]   | 1992                 |
| 2          | 24            | Impulse [magazine]   | 1993                 |
| 2          | 25            | Impulse [magazine]   | 1994                 |
| 2          | 26            | Impulse [magazine]   | 1995                 |
| 2          | 27            | Impulse [magazine]   | 1996                 |
| 2          | 28            | Impulse [magazine]   | 1997                 |
| 2          | 29            | Impulse [magazine]   | 1998                 |
| 2          | 30            | Impulse [magazine]   | 1999                 |
| 2          | 31            | Impulse [magazine]   | 2000                 |
| 2          | 32            | Impulse [magazine]   | 2001                 |
| 2          | 33            | Impulse [magazine]   | 2002                 |
| 2          | 34            | Impulse [magazine]   | 2003                 |
| 2          | 35            | Impulse [magazine]   | 2004                 |
| 2          | 36            | Impulse [magazine]   | 2005                 |
| 2          | 37            | Impulse [magazine]   | 2006                 |
| 2          | 38            | Impulse [magazine]   | 2007                 |
| 2          | 39            | Impulse [magazine]   | 2008                 |
| 2          | 40            | Impulse [magazine]   | 2009                 |
| 2          | 41            | Impulse [magazine]   | 2010                 |
| 2          | 42            | Impulse [magazine]   | 2011                 |
| 2          | 43            | Impulse [magazine]   | 2012                 |

| <b>Box</b> | <b>Folder</b> | <b>Description</b>   | <b>Date(s)</b>                  |
|------------|---------------|--|---------------------------------|
| 2          | 44            | Impulse [magazine]   | 2013                            |
| 2          | 45            | Impulse [magazine]   | 2014                            |
| 2          | 46            | Impulse [magazine]   | 2015                            |
| 2          | 47            | Impulse [magazine]   | 2016                            |
| 2          | 48            | Impulse [magazine]   | 2017                            |
| 2          | 49            | Impulse [magazine]   | 2019                            |
| 2          | 50            | Impulse [magazine]   | 2020                            |
| 3          | 1             | Engineering Exploration Days - Step toward the future                          | 1989 March 30-31                |
| 3          | 2             | Engineering Expo - High School Student Program                                 | 2006 March 31, 2007<br>April 27 |
| 3          | 3             | Engineering, Science, and Technology   | 1998                            |
| 3          | 4             | Entrepreneur's Workshop  | 1990 November 1-2               |
| 3          | 5             | Flandreau Indian School Success Academy Tenth Year Report - 2002-2009 [1 of 2] | 2010                            |
| 3          | 6             | Flandreau Indian School Success Academy Tenth Year Report - 2002-2009 [2 of 2] | 2010                            |
| 3          | 7             | Impact '87   | 1987                            |
| 3          | 8             | Impulse (magazine)   | 2022                            |
| 3          | 9             | Senior Design Conference   | 2004-2006                       |