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Department of Agricultural and Biosystems Engineering Records

Finding Aid

South Dakota State University Archives and Special Collections
Briggs Library (SBL) Room 241 Box 2114
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Brookings, SD 57007
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Collection Summary

Identifier

UA 8.8

Title

Jerome J. Lohr College of Engineering. Department of Agricultural and Biosystems Engineering Records

Creator

Department of Agricultural and Biosystems Engineering, Jerome J. Lohr College of Engineering, South Dakota State University

Dates

1954-1999

Extent

0.21 linear feet (1 small document case)

Language

English

Repository

South Dakota State University Archives and Special Collections, Hilton M. Briggs Library, Brookings, South Dakota.

Access note

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Preferred Citation

Name of item. Jerome J. Lohr College of Engineering. Department of Agricultural and Biosystems Engineering Records. UA 8.8. South Dakota State University Archives and Special Collections, Hilton M. Briggs Library, Brookings, South Dakota.

Abstract

The Department of Agricultural and Biosystems Engineering focuses on preparing students to positively affect and improve the world's food chain and available natural resources. The collection is composed of brochures, newsletters, and programs.

Historical Note

Courses related to agricultural engineering and the application of engineering principles to farming have always been taught at South Dakota State University. The first formal department to teach such courses was called the Department of Architectural and Agricultural Engineering. This department effectively combined civil and agricultural engineering course work, and the name was subsequently changed to the Department of Civil and Agricultural Engineering in 1902. In 1925, a separate Department of Agricultural Engineering was established in the Division of Agriculture, but students were required to take some basic courses through the Division (now College) of Engineering. Today the department is administered through both the College of Agriculture and Biological Sciences and the College of Engineering. In 1999, the South Dakota Board of Regents approved the addition of "Biosystems Engineering" to the department name Agricultural and Biosystems Engineering.

Agricultural and Biosystems Engineering is the science of engineering applied to the facilities and processes of agriculture and related industries. The curriculum includes foundation courses in mathematics, physics and chemistry with engineering emphasis in a wide variety of technical areas. These technical areas include natural resource management, irrigation and drainage, water resources development, machine dynamics and design, machine vision, agricultural power, electrical power utilization, properties

and processing of biological materials, environmental control for livestock, control and disposal of agricultural wastes, agricultural structures, computers, and instrumentation. Courses are also offered in the fields of meteorology, climatology, and microclimatology to interested engineers and students in other colleges.

Agricultural Systems Technology is another aspect of the Department of Agricultural and Biosystems Engineering. It is designed to give broad training in the agricultural sciences and the technologies appropriate to agriculture and its associated industries.

Contents Note

This collection is composed of brochures, newsletters, and programs pertaining to Agricultural and Biosystems Engineering at South Dakota State University. Also included are product brochures for electric agricultural equipment developed at South Dakota State University, and a pamphlet titled "Model Farm A.D. 2076" that was created as part of the American Revolution Bicentennial Horizons '76 Project.

Key Words

Agricultural machinery -- Electric equipment

Irrigation

South Dakota State University. Department of Agricultural and Biosystems Engineering.

Tractors

Administrative Information

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Arranged and Described by

Crystal J. Gamradt, 1999 March 5, additions made 2008 August 20.

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