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BIBLIOGRAPHY OF GRAIN TRANSPORTATION RESEARCH
1981-1986

by

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The University of Minnesota, including the Agricultural Extension Service, is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, religion, color, sex, national origin, handicap, age or veteran status.

BIBLIOGRAPHY OF GRAIN TRANSPORTATION RESEARCH
1981-1986.

David E. Buschena and Jerry Fruin

This bibliography covers the research literature in grain transportation and related topics in transportation deregulation that has been published since the passage of the Staggers Rail Act of 1980 and the Motor Carrier Act of 1980. The bibliography covers the time period from 1981 through 1986.

Transportation became a major research issue for agricultural economists during the decade of the 1970's. Shippers and carriers handled greatly increased grain exports. These increased exports placed pressure on a transportation system hampered by inflexible regulation of the railroads, equipment shortages, and logistics bottlenecks. These topics dominated the agricultural transportation research of the 1970's. In the 1980's, shifts have occurred in grain transportation research as a consequence of the leveling of export demand, deregulation, user fees for ports and waterways, deterioration of the rural road system, and other issues.

The literature search included table of contents reviews of journals which regularly had articles dealing with agricultural transportation issues. The journals reviewed were:

The American Journal of Agricultural Economics
The American Economic Review
The Canadian Journal of Agricultural Economics
The Journal of the Northeast Agricultural Economics Council
Land Economics
Logistics and Transportation Review
The North Central Journal of Agricultural Economics
The Rand Journal
The Southern Journal of Agricultural Economics
The Transportation Journal
Transportation Research Forum

The Transportation Journal
Transportation Research Forum
The Western Journal of Agricultural Economics

Bibliographical abstracts were obtained of the articles from these journals covering grain transportation and deregulation in the United States. Articles published in Canada pertaining to issues involving the United States transportation system were also included.

A search of the Agricultural Online Access (AGRICOLA) system was conducted from the University of Minnesota Department of Agricultural and Applied Economics' Waite Library to incorporate departmental staff papers, extension bulletins, book chapters or entire books, and other appropriate publications into the bibliography. AGRICOLA is maintained by the National Agricultural Library, a division of the USDA, and includes the above types of materials as well as the agricultural journals listed above.

The AGRICOLA search used the following keywords: Transport, Rail, Truck, Ship, Barge, Vessel, and Motor. The group of articles including one of these key words in its title were limited to those published in the United States or Canada from 1980 to present. The list of articles included only those from the distribution and marketing section of AGRICOLA. Next, all articles containing key words such as produce, livestock, fertilizer, and other commodity specific nongrain terms in their titles were excluded. This resulted in a 671 entry bibliographical list of articles and papers.

The articles in the 671 item list were evaluated by entry. The items in the listing deemed useful were located and reviewed, resulting in annotated additions to the previous entries from the journal table of

contents search.

A further source for transportation articles included sources indicated by other research and/or by the agricultural transportation literature.

Potential sources not covered in this bibliography include the Economic Literature Index, The Books in Print database, government publications databases, and Dissertation Abstracts Online database. The Economic Literature Index includes transportation publications not specifically of agricultural products. Books and government documents have only partial coverage in AGRICOLA, therefore additional searches would add to the existing entries from these sources.

Special features of the bibliography include a boldfaced entry of the University or organizational affiliation of the principle author and in some instances of the secondary author, a brief annotation for most entries, and the location and call number of many of the nonjournal articles in the department's Waite Library or in the St Paul Campus Library (SPCL).

While the bibliography was created primarily for agricultural researchers in the University of Minnesota, it should be useful for others involved in research on agricultural transportation.

Those interested in agricultural transportation research published before 1981 should consult the following bibliographies:

Bahn, Henry M. "A Bibliography of Applied Transportation Publications." Great Plains Agricultural Council, Publication No. 104, 1981.

Bebbee, Charles N. "Transportation of Commodities: 1976-January 1981." Quick Bibliography Series, National Agricultural Library, USDA, March, 1981.

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USDA, September, 1979.

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Analyze the role and importance of Common Carrier obligation in insuring adequate service to small communities.
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- Allen, Benjamin J. and R. D. Voorhees. (Iowa State Univ.). "Constraints To Rail-Barge Movements: An Identification and Assessment." Transportation Journal, Winter 1986: 21-29.
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- Altrogge, Phyllis D. (Federal Trade Commission). "Railroad Contracts and Competitive Conditions." Transportation Journal, Winter 1981: 37-43.
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- Anderson, Fred. (Univ. of Regina). "Regulation and the Adequacy Of Agricultural Transport In Canada." Logistics and Transportation Review, December 1982: 339-352.
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- Baldwin, E. D. and D. W. Larson. (Ohio State Univ.) "U. S. Grain Marketing System For the 1990's: Alternative Policy Scenarios." Southern Cooperative Series Bulletin 300, Mississippi State University, February 1985.
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- Baldwin, E. D., C. C. Thraen, and D. W. Larson. (Ohio State Univ.). "A Discriminant Analysis Of Grain Market Structure In Selected States Of the South and Cornbelt." Southern Journal of Agricultural Economics, December 1984: 117-125.
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Countries by Alternative Modes and Routes." Agricultural and Home Economics Experiment Station, Iowa State University, 1985.

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Baumel, C. Phillip and Eldo Schornhorst. (Iowa State Univ.) 1983. "Local Rural Roads and Bridges: Current and Future Problems and Alternatives." Low Volume Roads: Third International Conference, Transportation Research Record 898, Transportation Research Board, National Academy of Sciences, Washington D. C., October 1984.

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Beilock, Richard and J. Freeman. (Univ. of Florida). "Motor Carrier Deregulation: Implications Of Florida's Experience For Northeast Agriculture and Rural Communities." Journal of the Northeast Agricultural Economics Council, Spring 1983: 13-20.

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shipments and the opportunity for the shipment via the mode for dry peas.

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Casavant, K. L. and J. K. Binkley. (Washington State Univ.) "Transportation Changes and Agricultural Marketing Research." Future Frontiers in Agricultural Marketing Research, Paul Farris ed.: 98-116. Iowa State University Press, 1983. (Waite 630.688 F87).

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Casavant, K. L. and J. R. Buteau. "An Analysis Of Truck-Barge Costs For Grain Transportation In the Pacific Northwest." Department of Agricultural Economics, Washington State University, 1985.

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Chicoine, David L. and Norman Walzar, (Univ. of Illinois) "Financing Rural Roads and Bridges In the Midwest." Office of Transportation, U. S. Department of Agriculture, Washington D. C., October, 1984.

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Comptroller General of the United States. "U.S. Grain Transportation Network Needs System Perspective To Meet World Needs." April 8, 1981.

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Presents a model of firms under operating ratio constraints and evaluates leasing for such firms.

Diehl, Neil N. and C. E. Phillip. (Industry-Tennessee). "Critical Issues Facing the U.S. Barge Industry In the 1980's." Transportation Journal, Fall 1985: 5-10.

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- Fruin, Jerry E. (Univ. of Minnesota). "Impacts On Agriculture Of Deregulating the Transportation System: Reply." American Journal of Agricultural Economics, February, 1983: 192-193.
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- Fuller, Stephen. "Contracting Rail Freight Services For Country Elevators In the Texas Panhandle." Texas Agricultural Experiment Station, Texas A&M, June, 1984.
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- Fuller, Stephen, E. Smith, and Mehel Paggi. "Effect Of Federal Farm and Transportation Policies On Regional Grain Prices and Interstate Grain Flows: The Case Of Corn Flows To the Texas Panhandle, 1982-1983." Texas Agricultural Experiment Station, Texas A&M, 1984.
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- Grimm, Curtis M. and K. G. Smith. (Univ. of Maryland). "The Impact Of Rail Regulatory Reform On Rates, Service Quality, and Management Performance: A Shipper Perspective." Logistics and Transportation Review, March, 1986: 57-68.
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- Guandolo, John. (Industry) "The Role Of the Interstate Commerce Commission In the 1980's." American Economic Review, May 1981: 116-121.
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Harwood, J. L. "A Domestic and International Transportation Model For U. S. Soft Red Winter Wheat: Methodology, Analysis and Implications. Department of Agricultural Economics, Cornell University, February 1986.

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Hauser, Robert J. (Univ. of Illinois). "Competitive Forces In the U. S. Inland Grain Transport Industry: A Regional Perspective." Logistics and Transportation Review, June, 1986: 158-183.

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Hauser, Robert J. (Univ. of Illinois) "Regional Measures Of Competition In the U. S. Inland Transport Industry For Export Grain, 1978-1983" Final Report to the U. S. Department of Transportation, 1985.

Hauser, Robert J., J. Beaulieu, and C. P. Baumel. (Univ. of Illinois and Iowa State Univ.). "Impacts Of Inland Waterway User Fees On Grain Transportation and Inland Barge Rate Elasticities." Logistics and Transportation Review, March, 1985: 37-55.

Analyzes the effects of proposed waterway user charges on grain shipments by barge.

Hauser, Robert J., J. Beaulieu, and C. P. Baumel. (Univ. of Illinois and Iowa State Univ.). "Implicit Values Of Multiple Car Grain Loading Facilities In Iowa and Nebraska." North Central Journal of Agricultural Economics, July, 1984: 81-90.

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Hauser, Robert J. and K. L. Grove. (Univ. of Illinois). "Competitive Implications Of the Rail Rate-to-Cost Ratio For Export Grain Shipments." Transportation Journal, Winter, 1986: 55-60.

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Hauser, Robert J. and K. L. Grove. (Univ. of Illinois) "A Note On the Competitive Implications Of the Rail Rate To Cost Ratio For Export Grain Terminals." Transportation Journal 27 (1987). (forthcoming)

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Research Service. (forthcoming)

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