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RS 9/7/52

Wesley Fisher Buchele (1920-)

Papers, 1887-2012, undated

Descriptive summary

creator: Buchele, Wesley Fisher (1920-)

title: Papers

dates: 1887-2012, undated

extent: 73.45 linear feet (53 records center cartons, 2 document boxes, 7 small photo boxes, and 1 half-document box)

collection number: RS 9/7/52

repository: University Archives, Special Collections Department, Iowa State University.

Administrative information

access: Open for research

publication rights: Consult Head, Special Collections Department

preferred citation: Wesley Fisher Buchele Papers, RS 9/7/52, Special Collections Department, Iowa State University Library.

Abstract

Wesley Fisher Buchele was born March 18, 1920, in Cedar Vale, Kansas. He received his formal education in agricultural engineering from Kansas State University, the University of Arkansas, and Iowa State University. Buchele was a Professor (1963-1989) of agricultural engineering at Iowa State. Buchele originated several agricultural safety courses, the first of their kind in the country, and is a renowned farm safety expert. He also developed several patents, including one for the large round baler. This collection contains biographical information, correspondence, photographs, published papers, research notes, patent information, and information on the development of the tandem tractor, blade guards for rotary lawnmowers, and agricultural harvesting devices. The collection also includes materials related to the work of Buchele's wife, Mary, including her involvement in the 1976 World Food Conference.

Biographical note

Wesley Fisher Buchele was born March 18, 1920, in Cedar Vale, Kansas. He received a B.S. (1943) in Agricultural Engineering from Kansas State University; a M.S. (1951) in Agricultural Engineering from the University of Arkansas; and a Ph.D. (1954) in Agricultural Engineering and Soil Physics from Iowa State College (University).

Buchele served in the U.S. Army (1943-1946), and worked as an engineer at the John Deere & Company Waterloo Works (1946-1948). While at the University of Arkansas he was an Assistant Professor (1948-1951). When he came to Iowa State, Buchele worked for the Agricultural Engineering Department as a Graduate Assistant (1951-1954) and an Assistant Professor (1954-1956). In 1956, Buchele took a position as an Associate Professor at Michigan State University. He returned to Iowa State University in 1963 as a Professor in Agricultural Engineering. Buchele retired from Iowa State on June 30, 1989.

Agricultural safety is one of Buchele's research interests. In addition to designing many safety devices, he originated several agricultural engineering safety courses at Iowa State, the first courses of this kind taught in the United States. Buchele is revered as an expert in agricultural machinery safety and has consulted in numerous cases regarding farm equipment accidents through his consulting firm, Buchele and Associates, Ltd. He also served on the board of directors for Farm Safety 4 Just Kids.

Another of Buchele's interests is the agricultural development of African and South American countries. He taught in the capacity of Visiting Professor at the University of Ghana (1968-1969). He and his wife, Mary J. Buchele, were also organizers of the 1976 World Food Conference, which was held in Ames, Iowa.

In addition, Buchele received numerous patents from the U.S. government. His most well-known patent was for a device that would form and handle large round bales of a

fibrous material. He also designed blade guards for rotary lawn mowers, a tandem tractor, and devices for harvesting crops like strawberries and alfalfa. Another of his noteworthy accomplishments was the development of a ridge-till farming procedure that, in addition to saving farmers time and fuel expenses, also helps the environment by conserving topsoil and soil moisture and decreasing the need for herbicides.

Buchele was also an active member of many prominent international, national, and state organizations. These organizations include the American Society of Agricultural Engineers (ASAE), International Association on Mechanization Field Experiments (IAMFE), Society of Automotive Engineers, the International Society on Terrain-Vehicle Systems, and the National Institute of Agricultural Engineers in England. In 1988, he received the Cyrus Hall McCormick Jerome Case Gold Medal Award from ASAE.

In 1945, Buchele married Mary Jagger. Mary was born September 3, 1923, in Minneapolis, Kansas. After marrying Buchele, she became a homemaker and raised their four children: Rodney, Marybeth, Sheron, and Steven. Mary received a B.S. (1964) in Home Economics Journalism and a M.S. (1972) in Journalism and Mass Communication from Iowa State University. In addition to her duties as a homemaker, she held a variety of positions outside of the home, including teaching English and news writing, editing the *Iowa Home Economics Association News*, and being the editor and communications assistant for the Iowa State University International Family Planning Project. She was an active member of several organizations, such as American Home Economics Association, Agricultural Engineering Women's Club, Iowa Press Women, and Iowa State University Faculty Women's Club. Mary also assisted Buchele with his research and writing. She passed away in April 2000.

Collection description

This collection (1887-2012, undated) contains materials related to the research accomplishments, teaching efforts, and consulting work of Wesley F. Buchele. The materials include biographical information, correspondence, photographs and slides, published papers, research notes, lecture notes and course materials, audiovisual materials, and patent information.

Buchele's professional and personal activities are documented by biographical material, correspondence, and other records. Biographical information is found in news clippings, curriculum vitae, oral history interviews, biographical sketches, and autobiographical writings. Correspondence includes letters sent and received by Buchele pertaining to his academic business and personal affairs. The information regarding Buchele's professional activities consist of records related to his duties at Iowa State and Michigan State and also the many professional organizations he was associated with. Materials related to his consulting work are also found in the collection.

A note-worthy aspect of the collection is the documentation regarding Buchele's research and patent claims. This material includes notes on inventions and other

experiments, published scientific articles authored or co-authored by Buchele, and copies of patent claims. Notes on the development of the tandem tractor, blade guards for rotary lawnmowers, and harvesting devices are included in this material. These files also contain photographs, notes, diagrams and news clippings.

Course-related materials and general information on agricultural topics are included in the collection. These consist mostly of curriculum syllabi, but also include lists of classes taught and students receiving advanced degrees under Buchele's guidance. The subject files on agricultural topics were collected by Buchele. Subjects include farm safety, harvesting, agriculture in developing countries, and agricultural machinery. Photographs, slides, and audio recordings related to agriculture and agricultural machinery can also be found in these files.

The collection also contains the papers of Mary J. Buchele, Buchele's wife. These papers contain her curriculum vitae and documents detailing her involvement in the Agricultural Engineering Women's Club, World Food Conference of 1976, and the American Home Economics Association's Family Planning Project.

Organization

The collection is organized into ten series:

- [Series 1, Correspondence, 1946-1996, undated \(alphabetical\)](#)
- [Series 2, Professional Activities, 1947-1999, undated \(alphabetical\)](#)
- [Series 3, Patents and Research, 1954-1996, undated \(alphabetical\)](#)
- [Series 4, Papers and Publications, 1953-2012, undated \(alphabetical\)](#)
- [Series 5, Consulting, 1961-1999, undated \(alphabetical\)](#)
- [Series 6, Subject Files, 1887-2006, undated \(alphabetical\)](#)
- [Series 7, Teaching and Course Materials, 1951-1988, undated \(alphabetical\)](#)
- [Series 8, Photographs and Slides, 1958-1996, undated \(alphabetical\)](#)
- [Series 9, Biographical Information, 1947-2008, undated \(alphabetical\)](#)
- [Series 10, Mary J. Buchele Papers, 1968-1988, undated \(alphabetical\)](#)

Description of series

Series 1 Correspondence 1946-1996, undated

extent: 13.0 linear feet (10 records center cartons)

description: This series contains letters sent and received by Buchele concerning public, private, business and personal affairs. The series is arranged alphabetically.

Container list

Box	Folder	Title	Dates
1	1	A - general correspondence	1958-1960
1	2	A - general correspondence	1975-1983, undated
1	3	Aberdeen, University of	1977
1	4	Accident prevention laboratory	1976
1	5	Acker, Duane	1986
1	6	ACRA Plant	1964, undated
59	11	Activities for 1970	1968-1970
1	7	Affleck, Steven	1975-1980, undated
1	8	Ag-chemical Equipment Co.	1984
1	9	Agricultural Consulting Association	1961-1977, undated
1	10	Agricultural Engineering Department	1987
1	11	Agricultural Engineering Department, Curriculum Committee	1964-1977, undated
1	12	Agricultural engineering recruitment	1973, undated
1	13	Agricultural Engineering Research Center	1967-1973
1	14	Agricultural Experiment Growth Chamber Committee	1971
1	15	Agricultural Mechanization Program	1967-1972, undated
1	16	Alberta Safety Council	1985
1	17	Allen Manufacturing Company	1967-1979, undated

Box	Folder	Title	Dates
1	18	Allis-Chalmers Manufacturing Company	1962-1981, undated
1	19	American Avitron	1964-1966
1	20	American Labor Party	1975
1	21	American Railroads Association	1969
1	22	American Society of Agricultural Engineering (ASAE)	1975-1999
1	23	American Society of Agricultural Engineering (ASAE), Publications Policies and Finance Committee	1964-1977
1	24	American Society of Agronomy	1964-1975, undated
1	25	American Society of Engineering Education	1961-1973
1	26	American Standard Testing Bureau, Inc.	1974
1	27	Anderson's, The	1976
1	28	Arizona, University of	1974
1	29	Arkansas, University of	1972-1977
1	30	Ash, Gary W.	1960-1963
59	8	Asphalt moisture barrier	1971
1	31	Athens, University of	1973
1	32	Auburn University	1972-1976
1	33	Australia	1976-1982
1	34	B - general correspondence	1948-1983, undated
1	35	Baker Caster Oil Company	1970
1	36	Baker, Jim	1987
1	37	Bartels, R.F.	1988
1	38	Baselman, James	1970-1975
1	39	Bekker, M.G.	1957-1982, undated
1	40	Berlage, Arnold G.	1962-1971, undated
1	41	Bio-engineering	1966-1967
1	42	Bliss, Dorothy	undated
1	43	Bockhop, C.W.	1984

Box	Folder	Title	Dates
59	13	Books on reserve at library	1973, undated
59	12	Books to be written	1965, undated
1	44	Boyd, Morton	1989
1	45	Brazel, Ross	1959-1962
1	46	Brillion Iron Works	1960-1973
1	47	Brush Instruments	1960-1973
1	48-49	Buchele	1951-1957, undated
1	50	Buchele & Associates	1991-2001
10	15	Buchele, Luther (brother)	1961-1964
10	16	Buchele, Mary (wife)	1958-1964
10	17	Buchele, Matthew (brother)	1960-1962
1	51	Buchele, Robert	undated
10	11	Buchele, Wes (to/from)	1952-1963
1	52	Bud Instrument Division	1965-1966
2	1	Burdick, John M.	1961-1964, undated
2	3	Business - general	1947-1948
2	2	Business - mechanics school	undated
2	4	Butt, James	1972-1985
2	5	C - general correspondence	1959-1983, undated
2	6	California, University of	1963-1978
2	7	Campbell, Joseph	1988
2	8	Carter, William H.	1951
2	9	Case, J.I. Company	1963-1980
2	10	Center for the Adaptation of Technology, Sri Lanka Branch	1975
2	11	Cervinka, Vaclav	1969-1974, undated
2	12	Chaparro, Jose	1969-1978, undated

Box	Folder	Title	Dates
2	13	Char-Lynn Company	1964-1975
2	14	Chen, Ji-Qin	1986
2	15	Christensen, George	1989
59	2	Christmas newsletters	1991-2010
2	16	Classification Committee, College of Engineering	1963-1976, undated
2	17	Clemson University	1975-1983
2	18	Cleveland, Roger of	1952
2	19	CMMYT (International Maize and Wheat Improvement Center)	1985
59	14	Combine-windrower crusher	1965-1968
2	20	Committee on international programs	1970
2	21	Community development counseling services	1975
59	15	Concrete block joint filler	undated
2	22	Conover, William J.	1963-1971, undated
2	23	Consigned equipment	1963-1964, undated
59	16	Cooked corn for pigs	undated
2	24	Cooperative Education Committee: Dean's Committee	1961-1964, undated
2	25	Cooperative Program Committee	1963-1965, undated
59	17	Corn cob harvesting	1970-1974
2	26	Cornell University	1975-1978
59	18	Cotton	1952
2	27	Council for Agricultural Science and Technology	1976
2	28	Crop production: Iowa annual survey	1975
2	29	Crow Hybrid Corn Company	1967
2	30	Crow, Mike	1988
59	19	Cucumber	1957
2	31	Curriculum Committee	1963-1976, undated
2	32	D - general correspondence	1959-1982

Box	Folder	Title	Dates
2	33	Danio Products, Ltd.	1984
2	34	Darf Corporation	1961-1981, undated
2	35	Darling, K.A.M.	1984
2	36	Davis, Bruce	1985
2	37	Decker, Leon	1985
2	38-49	Deere and Company	1962-1985
2	50	Deere and Company, Horicon Works	1982-1988
3	1	Development Advisory Team	1983
3	2	Dickey, Elbert C.	1984
3	3	Doerfer Engineering and Design Incorporated	1967-1979
3	4	Domier, Kenneth	1987
3	5	Doss, Howard J.	1975
3	6	Dows Community School	1975
3	7	Dripchak, Kathleen	1985
59	20	Drying of crops	1977
3	8	Dynamometers	1964-1982
3	9	E - general correspondence	1960-1982, undated
3	10	Eaton, Gordon P.	1988
3	11	Edwards, Merlyn	1984
3	12	Eicher, Carl	1978
3	13	Energy Policy Project	1973
3	14	Engineering Education Committee	1970-1971, undated
3	15	Engineering Graduate Study Committee	1973
3	16	Engineering Research Institute	1969-1981, undated
3	17	Environtology	1969-1972, undated
3	20	ESE Committee	undated
3	18	Esmay, Merle	1984
3	19	Ewers, Mathew P.	1984

Box	Folder	Title	Dates
3	21	Expert Resources Inc.	1980-1995
3	22	Extension service	1969-1970
3	23	F - general correspondence	1959-1983, undated
59	25	Faculty activity survey	1974, undated
3	24	Faculty Council	1969
3	25	Faculty improvement leave	1972-1973
3	26	Farm and Industrial Equipment Institute	1985
3	27	Farm profit	1984
3	28	Farmer's letters	1969-1980, undated
3	29	Fertilizer Institute	1984
3	30	Feterl, Ron	1972-1978
3	31	Field day	1974
59	24	Films on hand in P&M section	undated
3	32	Fletcher, William J.	1985
3	33	Food Machinery Corporation	1973-1977
59	23	Food processing	1956
3	34	Forages Report	1989
3	35	Ford Foundation	1978
3	36	Ford Motor Company	1969-1983, undated
3	37	Foreign Visitors	1974-1981
59	21	Four wheel drive	1970
59	22	Forestry engineering	1971-1981
3	38	Free Line Corporation	1984
3	39	Freitag, D.R.	1966-1970
3	40	Fridley, R.B.	undated
3	41	Fritz, Jim	1984
3	42	G - general correspondence	1958-1983
3	43	Garman, Charles	1984
3	44	Garrett, Roger E.	1980

Box	Folder	Title	Dates
3	45	Garst & Thomas Hybrid Corn Company	1971-1974
3	46	Gas school	1965-1972, undated,
3	47	Gehl Brothers Manufacturing Company	1961-1973, undated
3	48	Georgia, University of	1970-1976
3	49	Gerhardt, Hugh	1984
3	50	Germany	1985
3	51	Gill, William	1985-1986
3	52	Gillett, Riley	1966
3	53	Gilley, James R.	1988-1989
3	54	Goals report	1970
3	55	Gold, Gary	1985
3	56	Graduate Study Committee	1963-1980, undated
59	26	Grain damage	1971-1972
3	57	Grange Film Foundation	1984
3	58	Greacen, E.L.	1960-1964, undated
3	59	Green, Farno	1974-1977, undated
3	60	Grinnell Mutual Reinsurance Company	1964-1973
3	61	Grow Micro-Track System, Incorporated	1984
59	10	Guide for safety	1980-1985
3	62	Guo, Lo	1985
3	63	H - general correspondence	1977-1990
3	64	Hach Company	1989
3	65	Handbook of Nutrition and Food	1978, undated
3	66	Hart-Carter Company	1971
3	67	Hathaway, Louis	1984
3	68	Hawaii, University of	1962-1973
3	69	Hawk Bilt Manufacturing Company	1968-1981

Box	Folder	Title	Dates
3	70	Hawkeye Institute of Technology	1975
3	71	Helsel, Zane R.	1984
3	72	Hesston Manufacturing Company	1965-1981, undated
3	73	Hill, Louis A.	1984
3	74	Hoerner, Thomas A.	1987
3	75	Holdren, Richard D.	1963-1966, undated
3	76	Hollingsworth, W. Dewell	1987-1988
4	1	Honors and Awards Committee	1986
4	2	Honors program advisors	1967
4	3	Hurburgh, Charles	1985
59	33	Hydraulic Adding Load Cell	1964, undated
4	4	I - general correspondence	1979-1985
59	32	Ideas, research	1948-1982
4	5	Illinois, University of	1963-1980
4	6	Implement and Tractor, Kansas City	1963-1981
4	7	Inhofer Industries	1963-1964
59	30-31	Insta-hitch	1961-1966
4	8	Instruments	1970, undated
4	9	International Assistance Corps	1967
4	10-11	International Association on Mechanization Field Experiments (IAMFE)	1959-1982, undated
4	12	International Crops Research Institute for Semi-Arid Tropics	1974
4	13	International Education Services, Office of	1981, undated
4	14	International Harvester Company	1963-1985, undated
4	15	International Harvester Company (18- 8x10 b/w photographs)	1966-1972
4	16	International Institute of Tropical Agriculture	1980-1983

Box	Folder	Title	Dates
4	17	International programs	1968-1971, undated
4	18	International Rice Research Institute	1963-1977, undated
4	19	International Society for Terrain-Vehicle Systems	1962-1972, undated
4	20	Iowa	1955-1956
4	21	Iowa Development Commission	1980
4	22	Iowa Energy Policy Council	1977-1984
4	23	Iowa Industrial Commission	1975
4	24	Iowa Retail Farming Equipment Association (IRFEAS) Exhibit	1964-1968
4	25	Iowa State Speakers Bureau	undated
4	26-37	Iowa State University	1952-1986
5	1	Iowa State University Research Foundation	1988
5	2	Iran	undated
5	3	J - general correspondence	1981-1982, undated
10	12-14	Jagger, Ethel	1952-1964, undated
5	4	James, Larry G.	1984
5	5	Johnson, Loyd	1963
5	6	Johnston, Herbert V.	1989
5	7	Jordan, K.A.	1965
5	8	Journal editors	1972
5	9	<i>Journal of Agricultural Safety and Health</i>	1994
5	10	K - general correspondence	1959-1982
5	11	Kahle, Glenn W.	undated
5	12	Kanawha Development Corporation	1966, undated
5	13	Kansas State University	1960-1982
5	14	Kanwar, J.S.	1988
5	15	Kao, David T.	1988
5	16	Keller, Claire	1984

Box	Folder	Title	Dates
5	17	Kellogg Foundation	undated
5	18	Kemp, J.G.	1965
5	19	Kern, Bob and Vera	1988
5	20	Khan, A.U.	1984
5	21	Kirkham, Don	1973, undated
5	22	Kishida, Yoshikuni	1963-1986
5	23	Knapp, Lafayette W.	1984
5	24	Koerper Engineering Associates	1963
5	25	Kromer, Karl	1986
5	26	Kruger, Albert	1985
5	27	Krumme, Richard	1987
5	28	Kucera, Henry	1984
5	29	Kuperstein, Ira S.	1984
5	30	Kwitkowski, August	1988
5	31	L - general correspondence	1980-1982, undated
5	32	Lal, R.	1986-1987
59	9	Land clearing	undated
5	33-34	Land Locomotion Conference	1958-1964, undated
5	35	Lando, T.M.	1989
5	36	Lessiter, Frank, ed.	1984
5	37	Liang, Tung	1956-1966, undated
5	38	Liljedahl, Bruce	1958-1967, undated
5	39	Link-Belt Company	1963-1967, undated,
5	40	Lissner, Herbert	1959
59	28-29	Living History Farms	1972-1982
5	41	Minimum tillage	undated
5	42	Louisiana State University	1976-1980

Box	Folder	Title	Dates
5	43	Lundell Tractor	1960
5	44	Luscombe, Art	1972
5	45	Lux, Bill	undated
5	46	M - general correspondence	1957-1983
5	47	Mahlstede, John	1989
5	48	Manor, G.	1972-1973
5	49	Marion, William W.	1989
5	50	Mark, Alex	undated
5	51	Marshall, James R.	1963-1964
5	52	Martin, Mona	1984
5	53	Maryland, University of	1972
5	54	Masi-Multinational Agribusiness System	1976-1980
5	55	Massey-Ferguson Limited	1963-1980, undated
5	56	McBride & Company Correspondence	1981
5	57	McKetta, John	1984
5	58	McKinney, Karen	1985
5	59	McLaughlin, N.B.	1977
5	60-61	Michigan	1958-1960
5	62-63	Michigan State University	1956-1983
5	64	MIE University	1975-1977
5	65	Miller, Merle L.	1984
5	66	Minneapolis-Moline Inc.	1963-1970
5	67	Minnesota, University of	1976-1980
5	68	Miscellaneous graduates	1969-1971
5	69	Miscellaneous requests	1970-1975
5	70	Misra, Manjit	1984
5	71	Missouri Meerscham Co.	1974-1975
5	72	Missouri, University of	1972-1981
7	1	Moharram, Hisham N.	1987
7	2	Molitorisz, Joseph (Michigan State University)	1963-1966
7	3	Morris, David	1984

Box	Folder	Title	Dates
7	4	Morton, Carl	1956-1970
7	5	MRS Manufacturing Company	1963-1964, undated,
7	6	Murry, Craig C.	1985
7	7	N - general correspondence	1980-1981
7	8	National Institute of Agricultural Engineering	1984
7	9	National LP Gas Association	1964-1971
7	10	National Safety Council	1965-1980
7	11	National Standard Company	1975
7	12	Neal, Gerard	1987
7	13	Nebraska, University of	1971-1981
7	14	New Holland Grassland News	1964-1969
7	15	New Holland Machine Company	1963-1980
7	16	New Idea Equipment Company	1964-1978
7	17	North Atlantic Treaty Organization Symposium	1964
7	18	North Dakota State	1971-1981
7	19	No-till farmer	1974-1976
7	20	O - general correspondence	1960-1982, undated
7	21	Officers of Farm Machinery Company	1994-1996
7	22	Ohio State University	1959-1981
7	23	Oklahoma State University	1963-1975
7	24	Oregon State University	1976-1982
7	25	Osborn Club	1964-1982, undated
7	26-28	Oyjord, Egil	1960-1976, undated
7	29	P - general correspondence	1974-1983, undated
7	30	Power and Machinery Committee	1971, undated
7	31	Palsson, Hualti	1984
7	32	Parks, W. Robert	1981-1984

Box	Folder	Title	Dates
7	33	Porterfield, Jay G.	1956
7	34	Patents	1971-1975
7	35	Patents disclosures	1977
7	36	Pederson, Thomas	1958-1981
7	37	Pennsylvania State University	1965-1978
7	38	Personal history	1970
7	39	Pierrot, Victor C., III	1959-1965, undated
7	40	Pioneer Hi-Bred International	1967-1978
7	41	Plant under plastic	1961-1962, undated
7	42	Plastic boxes	1964-1971, undated
7	43	Pollution	1956-1969, undated
7	44	Poore, Bernard	1961-1968, undated
7	45	Power and Machinery 54 Committee	1971
7	46	Potash Institute, American	1960
7	47	Professional engineering exams	undated
7	48	Professional Farmers of America	1976
7	49	Protein	1974
7	50	Purdue University, Agricultural Engineering Department	1964-1981
7	51	Quick, Graeme	1955-1983, undated
7	52	R - general correspondence	1979-1982
7	53	Rae, Robert	1965-1967
7	54	Raney Enterprises	1963
7	55	Rehkugler, G.E.	1963-1987, undated
7	56	Reicks, Al	1965-1975, undated
7	57	Research Advisory Committee	1966-1972

Box	Folder	Title	Dates
7	58	Research project proposals	1967-1973, undated
7	59	Research projects	1971-1977, undated
7	60	Richey, C.B.	1967-1976. undated
7	61	Rockefeller Foundation	1963-1973
7	62	Roskamp MFG, Inc.	1966
7	63	Ross, Victor	1971-1972, undated
7	64	Rural development	1973, undated
7	65	S - general correspondence	1958-1980
7	66	Saunders Roe LTD	1959
7	67	Scott, David H.	1989
7	68	Sheik, Ghulam Sarwar	1963-1972, undated
7	69	Sigma Xi	1951-1973
7	70	Skromme, Arnold	1971-1985 undated
7	71	Soil plant dynamics	1970-1971
7	72	Soil samplers	1963-1964
7	73	South Carolina, Clemson College	1963-1964, undated
7	74	Stanton, Harold	1951
7	75	Stewart, Larry	1988
7	76	Strawberry harvester	1972-1973, undated
7	77	Sugar beets	1973
8	1	Sukup, Charles	1977-1982, undated
8	2	Teaching machines	1960-1962, undated
8	3	Thornton, William F.	1960
8	4	Tipping, William	1985

Box	Folder	Title	Dates
8	5	Torque Meter	1972, undated
8	6	Trabbic, Gerald W.	1958-1965, undated
8	7	Troop, James W.	1966
8	8	United Nations	1968-1981, undated
8	9	United States Army Research Command	1960-1967, undated
8	10	United States Army Waterways Exp. Station	1963-1967, undated
8	11	United States Department of Agriculture	1955-1983, undated
8	12	United States Department of State	1977-1978
8	13	United States Steel Corporation	1963-1978
8	14	Universal Harvester Co.	1974
8	15	Vanden Berg, Glen Edwin	1956-1968, undated
8	16	Vegors Enterprise, Inc.	1956-1966, undated
8	17	Vibrators	1960-1966, undated
8	18	W - general correspondence	1959-1982
8	19	Westberg, Jeff	1986
8	20	Winpower Manufacturing Company	1963-1968, undated
8	21	Wire, Barbed	1968, undated
8	22	Worthington	1960-1978, undated

Description of series**Series 2 Professional Activities 1947-1999, undated**

extent: 11.05 linear feet (8.5 records center cartons)

description: This series contains notebooks, brochures, and papers Buchele created during his professional work and also contains materials relating to his work with professional organizations. The series is arranged alphabetically.

Container list

Box	Folder	Title	Dates
10	1-2	Activities for 1947-1951	1947-1951
10	3	Activities for 1954-1956	1954-1956
10	4	Activities for 1957-1958	1957-1958
10	5-7	Activities for 1959	1959
10	8	Activities for 1959-1977	1959-1977
10	9-10	Activities for 1960	1960
11	1-2	Activities for 1961	1961
11	3-4	Activities for 1962	1962
11	5	Activities for 1963	1963
11	6	Activities for 1964	1964
11	7	Activities for 1965	1965
11	8-10	Activities for 1966	1966
11	11-13	Activities for 1967	1967
12	1-3	Activities for 1967	1967
12	4-5	Activities for 1968	1968
12	6-8	Activities for 1969	1969
12	9	Activities for 1970	1970
12	10	Activities for 1971	1971
12	11	Activities for 1972	1972
12	12	Activities for 1973	1973
12	13-14	Activities for 1974	1974
12	15	Activities for 1975	1975
13	1	Activities for 1976	1976

Box	Folder	Title	Dates
13	2-4	Activities for 1977	1977
13	5-7	Activities for 1980	1980
13	8-9	Activities for 1981	1981
13	10	Africa seminar series	1982
13	11	Agricultural engineering film festival program	1965-1971
13	12	Agricultural Engineering Department	1983
13	13	Agricultural Engineering Extension	1979-1980
13	14	Agricultural Extension Station	1982
13	15	Agricultural teaching	1965
13	16	American Society of Agricultural Engineers (ASAE)	1948-1976
13	17	American Society of Agricultural Engineers (ASAE)	1981-1984
13	18	American Society of Agricultural Engineers (ASAE)	1989
13	19-20	American Society of Agricultural Engineers (ASAE)	1990
14	1-3	American Society of Agricultural Engineers (ASAE)	1991
14	4	American Society of Agricultural Engineers (ASAE)	1994
14	5	American Society of Agricultural Engineers (ASAE)	1997-1999
14	6	American Society of Agricultural Engineers (ASAE), A611 International Affairs and Relations Committee	1986
14	7-10	American Society of Agricultural Engineers (ASAE), Committee on Traction and Transport	1959-1964
14	11	American Society of Agricultural Engineers (ASAE), Fellowship	1977
14	12	American Society of Agricultural Engineers (ASAE), Fellowship	1988
14	13	American Society of Agricultural Engineers (ASAE), Mechanization of Agricultural Research Committee	1985
14	14	American Society of Agricultural Engineers (ASAE), Soil Dynamics Research Committee	1983-1988
14	15	American Society for Agronomy	1955
14	16	American Society for Engineering Education (ASEE)	1962
14	17-19	Brazil trip	1977
14	20	Calendar	1969-1971
14	21-22	Committees	1966-1984

Box	Folder	Title	Dates
15	1-2	Committees	1966-1984
15	3	Committee charged to determine the status of women in the College of Agriculture	undated
15	4-9	Committee on International Programs	1967
15	10	Committee on Mechanics and Fluids	1957
15	11	Conservation Tillage Research Group	1975
15	12	Cotton Insect Control Conference	1951
15	13	Designers class	1947-1948
15	14	Energy Conference	1978
15	15	Engineering seminars	1983-1984
15	16-17	East European-Soviet trip	1970
15	18	Farm operations short course	1966
15	19-22	Farm Safety 4 Just Kids	1988-1994
16	1-4	Farm Safety 4 Just Kids	1988-1994
16	5	Farmers' Week	undated
16	6	Grant number AID/DSAN-XII-G-0114, 1979-1984	1985
16	7	International Association on Mechanization Field Experiments (IAMFE)	1964-1965
16	8	International Association on Mechanization Field Experiments (IAMFE)	1967-1972
16	9	International Association on Mechanization Field Experiments (IAMFE)	1974
16	10	International Association on Mechanization Field Experiments (IAMFE) (5- 3x5 b/w photographs and negatives, and 5 color slides)	1976
16	11-15	International Association on Mechanization Field Experiments (IAMFE), 1 st Conference	1964
16	16	International Association on Mechanization Field Experiments (IAMFE), 2 nd Conference	1967-1968
16	17-19	International Association on Mechanization Field Experiments (IAMFE), 4 th Conference	1974-1976
17	1-2	International Association on Mechanization Field Experiments (IAMFE), Ex-Committee	1964-1965
17	3-4	International Association on Mechanization Field Experiments (IAMFE) (1- 8x10 b/w photograph)	1966-1967

Box	Folder	Title	Dates
17	5-6	International Convention of Mechanics of Soil Vehicle Systems	1961
17	7	International Grain and Forage Harvesting Conference	1977
17	8	International Pig Veterinary Society	1976
17	9	Laflin Conference on Tillage	1975
17	10-15	Living History Farms	1981-1995
17	16	Living History Farms, Soil Committee	1978
17	17-21	Michigan State University, Agricultural Engineering Department	1956-1959
18	1	Michigan State University, Housekeeping Committee	1959
18	2	Michigan State University, Minimum Tillage Committee	undated
18	3	Midwest-Mountain Plains Forum on Appropriate Technology	1978
18	4	NCT-130 Committee	1983
18	5	Post-retirement employment	1987-1989
18	6	Professional Achievement Citation in Engineering	1983
18	7	Safety Committee	
18	8	SCS Conservation Tillage Seminar	1972
18	9	Sigma Xi	1973-1974
18	10	Small Farms Conference	1978
18	11	Soybean workshop	1973
18	12	Staff luncheon and seminar	1970
18	13	Symposia and seminars	1966
18	14	Technology and Social Change Program Administrative Committee	1976-1977
18	15	Travel	1956-1959
18	16-18	United States Agency for International Development mission to Ghana	1977
18	19-20	World Council of Churches	1957-1975
18	21-24	World Food Conference	1974-1976
18	25	World Poultry Congress	1974

Description of series

Series 3 Patents and Research 1954-1996, undated

extent: 5.2 linear feet (4 records center cartons)

description: This series contains Buchele's notes on inventions and other experiments; patent disclosures; notes on the development of the tandem tractor, blade guards for rotary lawnmowers, and harvesting devices; photographs; notes; diagrams; audiocassettes; and newspaper clippings. The series is arranged alphabetically.

Container list

Box	Folder	Title	Dates
19	1	Alfalfa harvester (1- 5x7 b/w and 1- 8x10 b/w photographs)	1966
19	2	Application	1975
19	3	Application for "Method of Measuring Damage to Grain"	1976
19	4	Bird's foot trefoil	1954-1956
19	5	Blade guard for rotary lawn mowers	1973
19	6	Blade guard for rotary lawn mowers	1973-1976
19	7	Blade guard for rotary lawn mowers	1973-1978
19	8	Blade guard for rotary lawn mowers (26- 5x7 b/w and 6- 8x10 b/w photographs)	1973-1976
19	9	Blade guard for rotary lawn mowers (144- 3x5 b/w and 7- 3x5 color photographs)	1973-1976
19	10	Blade guard for rotary lawn mowers (80- 3x5 b/w and 7- 5x7 b/w photographs; 1 b/w proof sheet)	1973-1976
19	11	Blade guard for rotary lawn mowers	1973-1976
19	12	Combine fan mechanism	1974
19	13	Compactor device for large round bale	1979
19	14	Cone threshing mechanism	1975
19	15	Contract between ISU and U.S. Department of Energy	1978
8	47	Copies of patents by Buchele	1955-1984
19	16	Corn shelling experiment	undated
19	17	Corn harvester	1966
19	18	Cost of operating farm machinery	undated

Box	Folder	Title	Dates
19	19	Cotton picking unit	undated
19	20	Cross reference	undated
19	21	Cucumber	1958-1959
19	22	Data sheets	undated
20	4	Diagrams	undated
19	23	Disclosure #250 Flex O Grate	1971
19	24	Disclosure #315 Bale Carrying	1972
19	25	Disclosure #316	1972
19	26	Disclosure #317 high speed rubber sheller	1972
19	27	Disclosure #318 and research	1972
19	28	Disclosure #319	1972
19	29	Disclosure #378, 379	1974
19	30	Disclosure #462, anti-twist handle	1976
19	31	Disclosure #517, recording soil penetrometer	1976
19	32	Disclosure #598	1980
19	33	Disclosures	1972
19	34	Engine powered undisturbed soil core sampler	undated
19	35	Experiments on the ISC Agricultural Engineer Research Farm	1954-1955
19	36	Farm energy system	undated
19	37	Fluid pressure activated net weighing device with pneumatic taring	1975
19	38	Fruit and vegetable harvesting device	1971
19	39	Grain harvesting and haying lab	1967
59	6-7	Grain quality meter (2- 8x10 b/w contact sheets)	1967-1984
19	40	Hay wafering	1966
19	41	Information	1968
19	42	Iowa State College (University) data	1954-1955
19	43	Iowa State University Research Foundation, #344 measuring damage to grain	1975
19	44	Liquid manure loader	1962
19	45	Longer-wearing cultivator shares	1979

Box	Folder	Title	Dates
20	1	Load cell and torquemeter (39- 3x5 b/w and 1- 5x7 b/w photographs)	1973
20	2	Magazine article on significant agricultural patents	undated
20	3	Method and apparatus for controlling the approach angle of a plow unit	undated
20	5	Net reading tension cell	1975
20	6	Notes	1970
20	7	Notes	undated
20	8	Notes	1975
20	9	Notebook II	undated
20	10	The NATO symposium research	1964
20	11-13	Notes	undated
20	14	Mulch tillage experiments	undated
20	15	Research	1964-1974
20	16	Patents	1996
20	17	Patents discussions universal gatherings attachment	undated
20	18	Patent quiz and presentation	1957
Map	Case	Plans, miscellaneous	1955-1972, undated
20	19	Plot tractor	undated
20	20	Plow apparatus	1979
20	21	Posted data	1954
20	22	Projects and notes	1956-1984
20	23	Recording soil penetrometer	1977
20	24	Red clover	1950-1952
20	25	Research proposals	1958-1963
20	26	Research proposals	1975
20	27	Ridge profile experiment	1953
20	28	Rotary tiller slot planter and method of using same	1980
20	29	Rotary tiller slot planter	1978
20	30	Rotary tiller slot planter	1979
20	31	Safety door for the unloading mechanism of self-unloading wagons	1974

Box	Folder	Title	Dates
20	32	Shock absorber patent search	1983
20	33	Shearometer	undated
20	34	Soaked seed	1952-1953
20	35	Soil lysmithier data	undated
20	36	Soil physics	1951-1953
21	1	Soil physics	1951-1953
21	2	Soil physics (50 b/w negatives and 3 color slides)	undated
21	3	Soil physics	1951-1953
21	4	Soybean research	1973
21	5	Patent correspondence and research	undated
21	6	Steinbruegge patent	1972
21	7	Strain-Guage, Brushless Torque Meter	1974
21	8	Subsoiling	1955
21	9	Sugar beets	1957
21	10	Sugar beets	1957
21	11	Sugar beets	1958-1959
21	12	Sugar beets	1958
21	13	Tandem tractor (30- 5x7 b/w photographs)	1953-1966
21	14	Tandem tractor (40- 5x7 b/w photographs)	undated
21	15	Tandem tractor (37- 5x7 b/w photographs)	undated
21	16	Tandem tractor (60- 5x7 b/w photographs)	undated
21	17	Tandem tractor (60- 5x7 b/w photographs)	undated
21	18	Tandem tractor (3- 5x7, 9- 8x10 b/w photographs)	undated
21	19	Tandem tractor	1953
22	1-13	Tandem tractor	1953-1966
22	14	Thresher research	1950-1963
22	15	Tire data	1958
22	16	Torque indicator	1958
22	17	Unpublished data	undated
22	18	Vibrating concave for a combine	1971
22	19	V-Belt	undated

Box	Folder	Title	Dates
59	1	Walter Lovely research support services (1 audiocassette)	1981

Description of series

Series 4 Papers and Publications 1953-2012, undated

extent: 3.9 linear feet (3 records center cartons)

description: Series consists of papers written by Buchele. Many of the papers were co-authored with others. Most of the papers were presented at professional conferences and/or published in scholarly journals. The series is in alphabetical order.

Container list

Box	Folder	Title	Dates
23	1	"Accident rate of rotary mowers"	1974
23	2	"Affirmative industry response to safety"	1973
23	3	"Agricultural engineer's proposal: healing this wounded earth"	1975
23	4-5	"Agriculture's role in economic development"	1970
23	6	"Agricultural engineering farm committee"	1955
23	7	"Agricultural safety: design first then educate"	1993
23	8	"Agricultural technology: the vanguard of economic development"	undated
23	9	"Agriculture in the United States"	1980
23	10	"Agriculture in the year 2002"	1980
8	44	"Along for the ride"	2001
23	11	Analysis of lawn mower standards, design and accident statistics	1986
23	12	"Animal waste management"	1973
23	13	"Approach to improved mobility in off-the-road operation"	1966
23	14	"Are rotating shafts dangerous?"	1973
23	15	"Articles for deans newsletter"	undated
23	16	"Basic factors affecting the emergence of seedlings"	undated
23	17	"B.F. Goodrich Tire Company"	1975

Box	Folder	Title	Dates
23	18	"Biomass furnace for drying grain"	1987
23	19	"Biomechanics of forage wafering"	1969
23	20	"Broadcast corn real for the self propelled combined"	1966
8	45	"Buchele law of agricultural machines; Buchele law of production agriculture; Buchele law of soil-plant dynamics" <i>Laws and Models: Science, Engineering, and Technology</i> , by Carl W. Hall	1999
23	21	"Can appropriate technology save America?"	1978
23	24	"Characteristics of agricultural machinery"	undated
23	25	"Characterization of farmers"	undated
23	26	"Characteristics of tandem and semi-tandem tractors"	1960
23	28	"Combine gathering losses in soybean harvesting a problem in vibrations"	undated
23	30	"Combine header for rowless corn"	1969
23	31	"Compression ring strain gage torque meter"	1966
23	32	"Computation simulation of an unsprung vehicle"	undated
23	33	"Computation analysis of the longitudinal stabilities of agricultural tractors"	undated
23	34	"Computer analysis lateral stability of agricultural tractors"	1988
23	35	"Computer simulation of an unsprung vehicle"	1967
23	36	"Conserve energy while farming and use the energy grown on the farm"	undated
23	37	"Consulting work... alleviate hunger"	1990
23	38	"Cornstalk fueled furnace for grain drying bins"	undated
8	40	"Cost of storing and feeding silage"	1970
23	39	"Creativity and patent"	undated
23	40	"Crystal ball farmer of 1990"	1970
23	41	"Curing conditioned hay on plastic filter"	undated
23	42	"Dead man control"	1977
23	43	"Dead man control"	1973
23	44	"1970's: the decade of the guard"	undated
23	45	"Design and development of a mechanical cucumber harvester"	1959
23	46	"Design and operation of the MSU tandem tractor"	1957

Box	Folder	Title	Dates
23	47	"Design and operation of a precision planter"	1961
23	48	"Design and operation of the rotary tiller slot planter"	1978
23	49	"Design and operation of a self-unloading forage hopper"	1963
23	50	"Design safety into field plot mechanization equipment"	undated
23	51	"Design of wheel fenders"	undated
8	41	"Development and preliminary testing of an air-current flame weeder" (unpublished)	1966
23	52	"Development of graduate programs for the international student"	1965
23	53	"Developments in harvesting storing and handling silage"	1959
23	54	"Development of a leaf harvesting system for alfalfa"	1967
23	55	"Development of a numerical damage index for critical evaluation of mechanical damage of corn"	undated
23	56	"Development of a shearometer"	undated
23	57	"Development of the tandem tractor"	undated
23	58	"Development of a wide span tool carrier"	1968
23	59	"Direct combining of desiccated red clover"	undated
23	60	"Direct combustion of crop residues in boiler furnaces"	1977
23	61	"Discovery and discovery procedures"	1973
23	62-64	Dissertation: "Ridge farming and plant root environment," research (6- 5x7 b/w photographs)	1953-1954
23	65	Dissertation: "Ridge farming and plant root environment"	1954
23	66	"Distribution of shelled corn throughput and mechanics"	undated
23	67	"Does the design engineer have any personal liability in products which he designs?"	1973
23	68	"Do farm tractors need running boards?"	1992
23	69	"Double your power"	undated
23	70	"Dynamic system of flood control"	1993
23	71	"Economic impact and technical feasibility of guarding agricultural machines"	1974
23	72-73	"Economic and technical evolution of the use of appropriate technology in the product of gari and potassium in Ghana"	1978

Box	Folder	Title	Dates
23	74	"Effect of cropping system on energy consumed soil loss/ grain yield ratio"	1979
24	1	"Effect of the shape of the soil surface profile on soil temperature and moisture"	undated
24	2	"Effect of soil compaction"	1961
24	3	"Effect of soil parameters on strength of tillable soils"	1962
24	4	"Emergence energy"	1958
24	5	"Effects of thermal exposure on the foliage of young corn and soybean plants"	1969
24	6	"Energy and agriculture in Brazil"	1978
24	7	"Energy in clod size reduction of vibratory tillage"	1967
24	8	"Emergence of plant seedling"	1960
24	9	"Energy in eternal delight"	undated
24	10	"Energy self-sufficient part time farm"	1979
24	11	"Engine powered undisturbed soil core sampler"	1976
24	12	"Evaluation of machinery systems for harvesting corn plant forage"	1976
24	13	"Farm machinery safety revisited and solutions to the problems"	1999
24	14	"Feasibility of using intermediated technology"	1975
24	15	"Field experiments with an air curtain flame weeder"	1967-1969
8	42	"Flame weeding experiments at Iowa State University"	1965 circa
24	16	"Flame weeding soybeans and corn in Iowa"	1966
24	17	"Fundamental principles of guarding agricultural equipment"	1987
24	18	"Graduate research program"	undated
8	46	"Guarding human life"	2001
24	19	"Guarding of functional components of agricultural machines"	undated
24	20	"Has there been progress in lawn mower design?"	1985
8	41	"Have soil erosion control principles been mechanized?"	1967
24	21	"Hazard in agricultural machinery"	undated
24	22	Hazard analysis	undated

Box	Folder	Title	Dates
24	23	"Hazards and the guarding of agricultural machinery hazards"	1975
24	24	"Hazard, risk, and danger"	1972
24	25	"History and chronicled standard summaries of rotary mower literature"	1987
24	26	"History and chronicled standards and summaries of rotary mower literature"	1987-1992
24	27	"History of the development of ridge till system of farming at Iowa State University"	1989
24	28	"History important information and chronologicalized summaries of large round bailers, front..."	1995
59	5	"History of the Development and Litigation between Deere Planters and Kinze Planters"	2005
8	51	"Homesteads (complete with home-sites and jobs) are needed now for our unemployed American workers! Or putting American workers back to work"	2012
24	29	"How advances in science and technology affect technology"	1960
24	30	"How can companies protect against product liability litigations"	undated
24	31	"Human factors analysis of tractors and combines"	undated
24	32	"Hydraulic adding load cell"	1975
24	33	"If requested to design a warning sign for a machine"	1989
24	34	"Improved planting methods and apparatus"	undated
24	35	"Influence of stems in alfalfa forage"	1967
24	36	"Instrumentation for land locomotion studies"	undated
24	37	"Interlocks"	1973
24	38	Iowa farm science articles	undated
24	39	"Is mold board plowing a recreational activity?"	1974
24	40	"Jojoba transplanter"	undated
10	19	"Just who did invent the cotton saw gin?"	2005
8	52	"Large round baler was invented by Wes Buchele and Virgil Haverdink"	2012
24	41	Lawn mower accident	1986
24	42	"Laws of machines"	1965-1967

Box	Folder	Title	Dates
24	43	"Laws that govern the operation of machines in..."	undated
24	44	"Leaf strip harvester for alfalfa"	1965-1967
24	45	"Legal theories for the defense"	1973
24	46	List of large round bale litigations	1995
24	47	"Manual harvesting of maize in the humid zone of Nigeria"	undated
24	48	"Mathematical relationships between maximum PTO..."	undated
24	49	"Measurement of soil tire interface pressures"	undated
24	50	"Mechanical damage to corn"	1977
24	51	"Mechanical harvesting of strawberries"	1967
24	52	"Mechanics of a semi-tandem tractor"	1955
24	53	"Mechanization of soil erosion control principles"	undated
24	54	"Mechanics of solids"	undated
24	55	"Mechanics of a tractor operation on yielding soil"	1965-1966
24	56	"Mechanics of a tractor operation on tilled soils"	1966
24	57	"Mechanics of a vehicle operating on a yielding soil"	1962
24	58	Mechanization talks	undated
24	59	Miscellaneous writings	1960-1964
24	60	"Nature of damage in the shelling crescent of grain combines"	1978
24	61	"Needed improvement in guarding of farm machinery for safer 1990's"	1989
24	62-64	"Needed improvements in rotary lawn mower design"	1993
24	65	"Negligent design of agricultural machinery"	undated
24	66	"Non clogging rotary tiller"	undated
24	67	"No starving billions: the role of agricultural engineering in economic development"	1969
24	68	"Operation of an alfalfa leaf harvester"	1966
24	69	"Operation of a forage waferizer and handling wafers in Iowa"	1967
24	70	"Patents and product liability"	1973
24	71	Patent talk	undated
24	72	"Pinch points and nip points"	1973
25	1	Performance testing of a blade guard for rotary mowers	1989

Box	Folder	Title	Dates
25	2	"Penetrometer"	undated
25	3	"Plan for mechanization of ganian agriculture"	1969
25	4	"Plant emergence"	1960
25	5	"Pollution set in its proper perspective"	undated
25	6	"Procegram"	1973
25	7	"Recent concepts in the mechanized harvesting of small grains"	undated
25	8	"Reflections at commencement"	1973
25	9	"Research in developing more efficient harvesting machinery"	1975
25	10	Research report on the study of soybean harvesting	1970
25	11	"Results of the 1963 narrow row corn experiments at ISU"	1964
25	12	"Ridge planting of corn"	undated
25	13-14	"Riding rotary lawn mower accidents"	1974-1978
25	15	"Ridge farming for soil and water control"	1955
25	16	"Ridge till book"	1992-1995
25	17	"Role of research in graduate study"	1951
25	18	"Role of women in agriculture"	undated
25	19	"Rotary mower accidents"	1974
8	53	"Rotary threshing and separating cone/cylinder was invented by Wes Buchele"	2012
25	20	"Rubber roller corn sheller"	1969
25	21-22	"Running boards for farm tractors"	1994
25	23	"Safe operation of machines"	undated
25	24	"Safety as a design objective"	undated
25	25	"Safety and liability in agriculture machinery"	1973
25	26	"Safety shield for cutter bars"	undated
25	27	"Safety specifications and product liability litigations"	undated
25	28	"Seed bed preparation for optimum soil warmth moisture and air"	1976
25	29	"Similitude of an unpowered pneumatic tire"	1968
25	30	"Single machine giant bale hay handling system"	1968
25	31	"Slip sinkage phenomenon of grousered plates"	1967

Box	Folder	Title	Dates
25	32	"Sloped ridge planting"	1977
25	33	"Small scale industries for potash processing"	undated
25	34	"Social cost of large machines and farms"	undated
25	35	"Soil compaction"	1960-1975
25	36	"Soil conservation heads the list again"	1964
25	37	Soil control papers	1967
25	38	"Soil mechanics and emergence force of seedlings"	undated
25	39	"Soybean harvesting"	1962-1969
25	40	"Spirit of adventure in the teaching laboratory"	undated
25	41	"Strain gauge brushes torque meter"	1972
25	42	Studies soybean cutter losses in the laboratory	undated
25	43	"Study concerning feasibility of manufacturing tools and small agricultural equipment in Zambia"	1988
25	44	"Summary of rotary lawn mower industry activities to improve the safety of ride-on mowers"	1995
25	45	"Tandemization of tractors"	undated
25	46	"Teaching safety and design of agricultural machinery to product engineers"	undated
25	47	"Technique to index soil pores and aggregates larger than 20 micrometers"	1977
25	48	"That we might eat: agriculture in the year 2002"	1977
25	49	"To form bigger bale"	1969
25	50	"Twenty-first century farmer"	1972
25	51	"Techniques and equipment for testing combines" (6 b/w photographs)	1961
25	52	"That we may eat"	1977
25	53	"Thesis writing" and research education writings	1974-1984
25	54	"To form a bigger bale"	1969
25	55	"Total corn harvest with a modifies forage harvester"	1969
25	56	"Unreasonable hazardous products"	1973
25	57	"Unsaturated moisture flow and soil compaction in seed beds"	undated
25	58	"Use of crop residues and surface topography in a compatible mechanized system for corn production"	1970

Box	Folder	Title	Dates
25	59	"Use of crop residues and surface topography in a compatible mechanized system for corn production"	1970
25	60	"Use of desiccant sprays in harvesting birdsfoot trefoil for seed"	1955-1959
25	61	"Utility roll bar"	1960-1963
25	62	"Variable approach angle mold board plow"	1976
25	63	"Vehicular mechanics of two wheel tractor"	undated
25	64	"Vehicular mechanics tractor stability"	1957-1959
25	65	"Vehicular mechanics of wheel"	1959
25	66-67	"Verification of a mathematical model to predict tractor tipping behavior"	1968-1970
25	68	"Versatractor and machinery"	1967
25	69	Warning notices	1973
25	70	Warranties	1974
8	46	"Why the large round bale?"	2005
25	71	"Will we ever have a safe mower"	1985
25	72	"Women in agricultural development"	undated
25	73-74	"Zones of operation"	1973

Description of series

Series 5 Consulting 1961-1999, undated

extent: 6.5 linear feet (5 records center cartons)

description: This series contains records and correspondence relating to court cases in which Buchele was an expert witness. Many of the cases involve personal injury while using agricultural machinery. The files may contain correspondence, photographs, testimonies, and court documents. The series is arranged alphabetically.

Container list

Box	Folder	Title	Dates
26	1	Ankrm vs. Sears Roebuck Company	1983
26	2	Atkinson vs. H & S Manufacturing	1986
26	3	Beck, Lin regarding Tuttle, Mark vs. Landini	1998

Box	Folder	Title	Dates
26	4	Blair, David vs. Long Backhoe	1983
26	5	Benitez vs. Chief Industries	1990
26	6	Blouir vs. Massey Ferguson, Inc.	1990
26	7	Bonderer vs. Massey Ferguson, Inc.	1990-1993
26	8	Brown, Brett	1998
26	9	Brown, Jim regarding MF-20 Tractor	undated
26	10	Case Agriking Photographs (26- 3x5 color photographs)	undated
26	11	Christensen Accident Grain Conveyor Elevator (37- 3x5 color photographs)	1987
26	12	Christianson vs. Christianson, Michael Love IHC Combine (36- 3x5 color photographs; 1 color negatives)	1989
26	13	Clopton vs. Maudin Corporation	1993-1997
26	14	Consulting cases not taken	1991-1993
26	15	Crustbuster (40- 5x7 color photographs)	1990
26	16-18	Davis, Bill regarding Lawn Mower	1995
26	19	Davis, Bill regarding Lawn Mower (68- 3x5 color photographs)	1995
26	20	Depositions and expert testimony in court	undated
26	21	Doggett vs. Massey Ferguson, Inc.	1991
26	25-23	Effren, Jerry C. regarding Bobcat Skid Loader	1995
26	24	Flaherty	1993-1995
26	25	Forrest, Tom regarding Henke Chipper	1996
26	26	Francis vs. Clark Equipment Company	1983-1987
26	27	Goettl vs. Goettl Gehl Forage Blower (33- 3x5 color photographs; 4 color negatives)	1992-1999
26	28	Goettl vs. Goettle Gehl Forage Blower	1992-1994
26	29	Herrington Accident regarding Tractor Rollover and Bush Hog	1989-1997
26	30	Hodgsen vs. Duetz-Allis Corporation Hay Baler (45- 3x5 color photographs)	1991-1993
26	31-33	Hodgsen vs. Duetz-Allis Corporation Hay Baler	1991-1993
27	1	James vs. Mayrath Corporation (67- 3x5 color photographs)	1983-1985
27	2	Jordan vs. Thomas Gravely International	1993

Box	Folder	Title	Dates
27	3	James vs. Mayrett	1983-1985
27	4-5	Jorgenson vs. Thompson & Rural Mutual Insurance Co.	1990-1991
27	6	Kelly, Fred regarding Bob Cat	1985
27	8	Kissling vs. Massey Ferguson, Inc.	1995
27	9	Kissling vs. Massey Ferguson, Inc. (5 color slides)	1996
27	10	Levette (73- 3x5 color photographs)	1990-1993
27	11	Lightle vs. Baker and Sons Equipment Company	1987
27	12-14	Mahr, William vs. Allied Products Corporation Equipment	1995-1998
27	15	Massey Ferguson Combine (24- 3x5 color photographs)	1990
27	16-18	McCullin vs. International Harvester Company	1988-1990
27	19	McEnany Accident	1987
27	20	McMahon, Mark, large round baler	1995
27	21	McPherson vs. Massey Ferguson Tipover (42 color negatives; 26- 3x5 color photographs)	1991
27	22	McPherson vs. MTD Products & Lowes Home Centers	1995
27	23	McPherson vs. MTD Products & Lowes Home Centers (40- 3x5 color and 18- 4x6 color photographs; 50 color negatives)	1995
27	24	Meuiner vs. Ford	1985
27	25-26	Minick vs. MTD Products	1991-1999
27	27-29	Munden vs. Massey Ferguson, Inc.	1982
27	30	Murray Mower (8- 3x5 color photographs)	undated
27	31	Nolin vs. Case Corporation	1993
27	32	Perry vs. Shapper	1994
28	1	Johnson Accident	1998
28	2-6	Peters, Sharon vs. Massey Ferguson, Inc.	1991-1994
28	7	Peterson vs. Clark Equipment Company	1980
28	8	Pigott, Chad vs. Sunde and Jorgenson	1996-1997
28	9	Power vs. Belarus Tractor Rollover (6- 8x10 color photographs; 8 color slides)	1998
28	10	Power vs. Belarus Tractor Rollover	1998
28	11	Power and Machine Section	1961
28	12	Reeve, Robert E. regarding PTO	1986

Box	Folder	Title	Dates
28	13-15	Robinson vs. International Harvester Corporation Tractor Forward Tip	1972
28	16-17	Rocker vs. Massey Ferguson, Inc.	1996
28	18	Roden, Robert regarding Ford Tractor	1993-1994
28	19	Roos, Mark L.	undated
28	20-21	Sanders vs. Variety Corporation	1993
28	22	Sevart	1985
28	23	Shannon vs. Snapper	1993
28	24	Schultz vs. Kubota Tractor Corporation (13- 3x3 color polaroids and 56- 3x5 color photographs)	1988-1990
28	25	Schultz vs. Kubota Tractor Corporation	1988-1990
28	26-27	Schultz vs. American Yard Products Lawn Mower Accident	1992-1995
28	28	Schultz vs. American Yard Products Lawn Mower Accident (70- 4x6 color photographs)	1992-1995
28	29	Shannon Injury	undated
28	30	Sherry vs. Massey Ferguson, Inc.	1997
28	31	Sneed, Joe regarding Forklift	1996
28	32	Stone, Dale regarding Bush Hog Mower	1991
29	1-4	Suttter, Donald vs. JI Case Company (folder 2: 18- 3x5 color photographs)	1983-1990
29	5	Swanson Accident	1996
29	6	Syverson, Jerry Round Baler Case (37- 3x5 color photographs)	1993
29	7	Test of Our Own Mower	undated
29	8	Thesis vs. Clark Company Bob Cat Accident (44- 3x5 color photographs; 28 color negatives)	1985
29	9	Timberjack (64- 3x5 color photographs)	1993
29	10	Timberjack	1993
29	11-18	Unverferth MFG Company vs. Landoll Corporation	1995-1996
30	1-8	Unverferth MFG Company vs. Landoll Corporation	1995-1996
30	9	Unverferth MFG Company vs. Landoll Corporation (52- 3x5 color photographs)	1995-1996
30	10-14	Waller vs. Massey Ferguson, Inc.	1992-1993

Box	Folder	Title	Dates
30	15-16	Wallis vs. Kubota regarding Tractor Mower Accident (folder 16: 24- 3x3 color and 25- 3x5 color photographs)	1987-1989
30	17	Weyandt regarding Skid Rear Loader	undated
30	18	Wilbanks vs. Leak Siegler, Inc.	1986
30	19	Williams vs. Ford Tractor	1993
30	20	Workman vs. Massey Ferguson, Inc. (26 color negatives)	1991
30	21	Wyrick vs. Arthur Polcyn and Melroe	1990-1993
30	22-27	Yancy vs. G & G Manufacturing (folder 23: 19- 4x6 color and 15- 3x3 b/w photographs, 1 color slide; folder 26: 40-4x6 color photographs)	1996-1997

Description of series

Series 6 Subject Files 1887-2000, undated

extent: 6.5 linear feet (5 records center cartons)

description: This series consists of articles and other research materials collected by Buchele. Subjects include farm safety, harvesting, agriculture in developing countries, and agricultural machinery. The series is in alphabetical order.

Container list

Box	Folder	Title	Dates
31	1	Africa	undated
31	2	Ageless Iron Expo (Ankeny, Iowa)	1995
31	3	Agriculture in Africa	1979
31	4-5	Agriculture in developing countries	1949-1975
31	6	Agricultural machinery accidents	undated
31	7	Agricultural related deaths and injuries	1994-1996
31	8	Agricultural safety list of slide-tape tests at the ISU Library	undated
31	9	Alfalfa harvester	1968
31	10	Appropriate technology	1980
31	11	American Technical Assistance Corporation	1975
31	12	Baler patent research	undated

Box	Folder	Title	Dates
31	13	Birds foot trefoil harvesting	1959-1958
31	14	Casper, Poul trip	1973
31	15	Chainsaw safety	1982-1986
31	16-17	Clary, Bobby	1972-1994
31	18	Combines	1996
31	19	Common Wealth Scientific and Industrial Research Organization	1966-1967
31	20	Concrete	undated
31	21	Concrete	1946
31	22	Consulting engineering	1971-1972
31	23	Consultants	1984-1988
31	24-25	Corn harvesting	1960-1974
31	26	Corn pickers	1939-1989
31	27	Corn planters	1935
31	28	Corn shellers	undated
31	30	Cotton	1944
31	31	Crashworthiness	1988
31	32	Creativity	undated
31	33	Cultivators	1935
31	34-36	Dearborn motors	1949
31	37-39	Deere & Company	undated
31	40	Design process	1958
31	41	Development of a blade guard for rotary mowers	1978
31	42	Disclosure #250	1971
31	43	Disclosure #226	1971
31	44	Disclosures for Donald H. Zarley	1970
31	45	Engineering conversion units	1981
31	46	Emmetsburg (Iowa) Five Island Lake Restoration Project	1992
31	47	Epidemiological method of studying accidents	1961-1971
31	48	Expert witnesses	1992-1993
31	49	Falls	1980
31	50-51	Farm equipment companies	undated

Box	Folder	Title	Dates
31	52	Farm Equipment Manufacturers Association	1972
31	53	Farm machinery	1927-1945
31	54	Farm machinery	undated
32	1	Farm Machinery Company	1958-1962
32	2	Farm safety (31- 3x5 color photographs; 10 color negatives)	undated
32	3-4	Farm safety	1972-1986
32	5	Farm safety and children	1992-1993
32	6-7	Farming systems research extension	1983-1984
32	8-10	First farmers cooperative elevator operation plans	1993
32	11	Flame cultivation	1950
32	12	Flight conveyor	1971
32	13	Flood control	1993
32	14	Forage plot harvester (6 color slides)	1964
32	15	Fork lift tractors	1968-1990
32	20	Goyatschken Equation for calculating draft of mold board plow	1982
32	16	Fork lift tractors (29 color slides)	1968-1990
32	17	Future prediction, mode analysis	undated
32	18	Ghana	1974-1977
32	19	Gorjachkin, Vacili Prokhorovich, (Founder of agricultural mechanics)	1955
32	21	Grain drills	1935
32	22	Grain drying	1968-1978
32	23	Grain hazards	1985-1999
32	24	Grain storage	1969-1975
32	25	Grain storage in tropics	1967-1976
32	26	Grain suffocation	1986
32	27	Grain threshing	undated
32	28	Harvesters, fruit and vegetable	undated
32	29	Hay conditioning and windrowing	1966
32	30	Hay Day "Big Bale Handler"	1975

Box	Folder	Title	Dates
32	31	Hazard elimination reduction	1974
32	32	History of agricultural safety	1977
32	33	Idea submission	1963
32	34	International Commission of Agricultural Engineering (CIGR)	1999
32	35	International Harvester Company	undated
32	36	International Harvester Fuel Cap Gysering	1981-1982
32	37	Iowa rural statistics	1986
32	38	Iowa State University, Agricultural Engineering curriculum	1948-1951
32	39	Iowa State University, instrumented tractor	1983
32	40	Jojoba	1978-1983
32	41	Land institute (25 color slides)	1980-1995
32	42	Land institute	1980-1995
32	43	Lawn mowers	1984-1994
32	44	Lawn mowers - blade contact	undated
32	45	Lawn mowers - power	1960-1993
32	46	Lawn mowers - runovers (24 color slides)	1993
33	1	Lawn mower safety	1989-1990
33	2	Lawn mower - thrown object	1992-1993
33	3	Lawn and turf maintenance research	1972
33	4	Lawyers, warning of products	1989
33	5	Leaf protein	1975
33	6	Liquid fertilizer	1956
33	7	Matrix arithmetic	1961-1962
33	8	Mechanization	undated
33	9-10	Mechanization abroad	1965-1981
33	11	Michigan crops	1960
33	12	Michigan soils	1961
33	13	Michigan State University Department of Agricultural Engineering	1951-1962
33	14	Nebraska tractor testing	1969
33	15	Off-road locomotion	undated

Box	Folder	Title	Dates
33	16-22	Patent	1942-1989
33	23-24	Plows	undated
33	25	Plow adjustment and tillage	undated
33	26	Plot combine	undated
33	27	Portable platform scale	1969
33	28	Power lawn mowers	1960-1993
33	29	Pointer pneumatic stripper (4- 3x5 b/w and 12- 5x7 b/w photographs)	undated
33	30	Primitive farming	1975
33	32	Product liability	2000, undated
33	33	Punch planer	1983-1981
33	34-35	Product safety	1973-1974, undated
33	36	Recall programs	1973
33	37	Retirement jobs	1974-1987
33	38	Ridge till farming (77- 3x5 color photographs; 16 color negatives)	1952-1995
33	39-41	Ridge till farming	1952-1995
34	1-2	Ridge till farming	1952-1995
34	3-8	Roll-over-protection (ROPS)	1923-1995
34	9-13	Rotary lawn mower	1976-1995
34	14	Rote-thresher	1973
34	15	Round bales	1975-1995
34	16	Round bales (16 color slides, 3 color negatives)	undated
34	17-18	Run-overs	1940-1996
34	19-22	Safety	1959-1991
34	23	Safety analysis	undated
34	24	Safety concern in the design of a machine	undated
34	25	Safety correspondence	1972-1980
34	26	Safety orders	1961-1970
34	27	Screw conveyors and screw feeders	1969
34	28	Seatbelts	1970-1992

Box	Folder	Title	Dates
34	29	Seatbelts	1993-1994
34	30	Self-acting water balance	undated
34	31	Self teacher	undated
34	32	Sevart, J.B.	1979-1989
34	33	Shelling mechanism	1975
35	1	Silver, Ed	1960
35	2	Slideably adjustable auxiliary life handle	1973
35	3	Skid steer loader	undated
35	4	Skid steer loader	1961-1994
35	5	Slow moving vehicle emblem	1971
47	1-3	Smith, Sam, organic gardener	1972-1982
35	6	Social benefit vs. technological risk	1974
35	7	Soil compacting	1975
35	8	Soil plant dynamics	undated
35	9	Theory of plaintiff action	undated
35	10	Soil draining	1947-1951
35	11	Soil working machines	1978-1978
35	12	Soil samplers	1984
35	13	Soil temperature	1956-1958
35	14	Sprayers	1949-1952
35	15	Suffocation in grain bins (48 color slides, 1 audiocassette)	undated
35	16	Suffocation in grain bins	1977-1981
35	17	Supporting and weighing device	1963
35	18	Taiwan farm mechanization	1961
35	19	Technology	undated
35	20	Thresher	undated
35	21	Tillage	undated
35	22	Tillage	1972-1995
35	23	Tillage device	1972
35	24	Toro lawn mower	1987
35	25	Tractor mechanics	1935-1959
35	26	Tractor mechanics	undated

Box	Folder	Title	Dates
35	27	Tractor passenger seat	1995
35	28-30	Tractor safety	1969-1991
35	31	Tractors	1957-1994
35	32	Tractors	undated
35	33	United States Department of the Interior, Bureau of Land Management	1962
35	34	Vegetable harvesters	1958, undated
35	35	Vegetation processing machine	1967
35	36	Verne W. Noyes	1887, 1970
35	37	Warnings	undated
35	38	Wheel fenders	1951
35	39	Women in development	1982
35	40	Women in rural development	1978
35	41	World Food Conference	1960-1980
35	42	World Food Crisis	1966
35	43	World Book Encyclopedia	1977
35	44	XIE Stability Equations	1990
35	45	Zambia project	1982
35	46-47	Zeglen, Edmund	1966-1989

Description of series

Series 7 Teaching and Course Materials 1951-1988, undated

extent: 1.3 linear feet (1 records center carton)

description: This series contains course syllabi from courses Buchele taught at Iowa State with small amounts of lecture notes, lists of students, sample examinations. The majority of the courses are either agricultural engineering courses or agricultural mechanization courses. The series is arranged alphabetically.

Container list

Box	Folder	Title	Dates
36	1	AE 100, Technical Lecture	undated
36	2	AE 107 (14- 3x5 b/w photographs)	undated
36	3	AE, media circulation slips	1985
36	4	AE 230, Agricultural Engineering Concepts I	undated
36	5	AE 231, Agricultural Engineering Concepts II	1969-1970
36	6	AE 232, Agricultural Engineering Concepts III	1970-1975
36	7	AE 236, Agricultural Machines	1962-1968
36	8	AE 332	undated
36	9	AE 334, Farm Machinery and Power Management	undated
36	10	AE 336, Mechanization of Horticulture Crops	undated
36	11	AE 400, Inspection Trip	1951
36	12	AE 411, Farm Mechanization	1960-1961
36	13	AE 436, Agricultural Machinery Design	1966-1967
36	14	AE 490, Independent Study	1961-1972
36	15	AE 490L, Independent Study	1972-1973
36	16	AE 495, Advanced Power and Machinery	1956-1961
36	17	AE 501	1982-1984
36	18	AE 533, Agricultural Power and Machinery	1965-1980
36	19	AE 637, Soil Dynamics	1977
36	20	AE 646, Laws of Soil & Plant Dynamics	1984
36	21	AE 648, Harvesting Machines	1983
36	22	AE 661, Seminar	1952-1988
36	23	AM 362, Seminar	1981
36	24	AM 366, Crop Conditioning and Handling Systems	1981
36	25	AM 415X, Teaching Agricultural	1975
36	26-27	AM 435, Agriculture Safety	1981-1988
36	28	AM 440, Laboratory for Intermediate Technology	undated
36	29	AM 474, Agricultural Safety	1977
36	30	AM 480, Intermediate Technology	1976-1981
36	31	List of courses taught by Buchele	1983

Box	Folder	Title	Dates
36	32	List of M.A. and Ph.D. degree students under Buchele	undated
36	33-35	Miscellaneous class materials	undated
36	36	Ph.D. preliminary exam	1982
37	38	Work study position openings	1973

Description of series

Series 8 Photographs and Slides 1958-1996, undated

extent: 24.72 linear feet (15 records center carton, 7 small photo boxes, and 1 document box)

description: This series consists of a variety of images, mostly relating to agriculture and agricultural machinery. The series is in alphabetical order.

Container list

Box	Folder	Title	Dates
58		Photographs: agriculture equipment warning labels	undated
52		Photographs: agriculture related equipment, machinery, displays	undated
55		Photographs: agriculture related equipment, machinery, displays	undated
53		Photographs: Australia	undated
8	26	Photographs: farm equipment (12- 5x7 color photographs)	undated
10	25	Photographs: farm equipment, fields (34- 3x5 b/w photographs)	1964-1981, undated
39	11	Photographs: farm equipment, tractors (54- 3x5" color)	undated
8	27	Photographs: Floyd Bigsby Air Flow Instrumentation (27- 4x5 b/w and 3- 8x10 b/w photographs; 23- 4x5 b/w negatives)	1961
46	4	Photographs: Hawaii (24- 4x6 color photos)	1979, undated
56		Photographs: lawn mower, mower with grill guard	undated
8	28	Photographs: Leonards and Bucheles (4- 3x5 color photographs)	1996

Box	Folder	Title	Dates
8	29-30	Photographs: miscellaneous (52- 8x10, 9- 3x5 b/w, and 61- 3x5 color photographs)	undated
57		Photographs: tractors/combines, weigh wagons, discs/planters/sprayers	undated
54		Photographs: unidentified, various	undated
8	25	Slides and audiocassettes lists	1984
8	23-24	Slides, documentation	undated
46	17	Slides, photographs: Jamaica (76 color slides, 37- 4x6 color photos, 11 color negatives)	1986
49	33	Slides, photos: earthquake damage at La Molina University, Peru (113 color slides, 27- 4x6 color photos)	1976-1986
46	28	Slides, photos: Lima, Peru (2 of 2) (83 color photos, 27 color negatives)	1977-1986
49	5	Slides, reports: appropriate technology (102 color slides, 1 audiocassette)	1981, undated
41	5	Slides: Africa, unidentified locations (220 color slides)	1990-1991
38	13	Slides: Agricultural Engineering Department research (1 of 6) (251 color slides)	1963-1990
38	14	Slides: Agricultural Engineering Department research (2 of 6) (151 color slides)	1963-1990
38	15	Slides: Agricultural Engineering Department research (3 of 6) (174 color slides)	1963-1990
38	16	Slides: Agricultural Engineering Department research (4 of 6) (180 color slides)	1963-1990
38	17	Slides: Agricultural Engineering Department research (5 of 6) (184 color slides)	1963-1990
38	18	Slides: Agricultural Engineering Department research (6 of 6) (175 color slides)	1963-1990
37	15	Slides: agricultural engineering, weigh wagons, land locomotion, Living History Farms (187 color slides)	1960-1975
43	1	Slides: agriculture safety, graphic images (1 of 3) (194 color slides)	1973-1989
43	2	Slides: agriculture safety, graphic images (2 of 3) (199 color slides)	1973-1989
43	3	Slides: agriculture safety, graphic images (3 of 3) (194 color slides)	1973-1989

Box	Folder	Title	Dates
38	10	Slides: alternative energy (106 color slides)	1974-1982
50	18	Slides: aluminum smelting and casting in Ghana (24 color slides)	1977
44	20	Slides: Ames, Des Moines (26 color slides)	1973
49	2	Slides: ammonia (72 color slides)	1971-1976, undated
49	3	Slides: Andros Island in Caribbean (80 color slides)	1975
49	4	Slides: animal power agriculture in India (82 color slides)	1963-1979, undated
50	14	Slides: appropriate technology/bush rotation (56 color slides)	1969-1976
49	6	Slides: ASAE safety standards, corn picker safety, post hole auger (73 color slides, 3 audiocassettes)	1971-1978, undated
44	21	Slides: auger safety, tractor stability; graphic images (89 color slides)	1984
49	7	Slides: Australia (42 color slides)	1988
43	9	Slides: Australia and New Zealand (183 color slides)	1979
37	20	Slides: Austria (17 color slides)	1969
49	8	Slides: automatics hitching up self-loading wagon in Denmark (18 color slides)	1980-1983, undated
49	9	Slides: Bahamas and Peru peasant farming (66 color slides)	1979, undated
47	26	Slides: Baja, Mexico (149 color slides)	1992-1995
50	27	Slides: basket weaving, wood carving, kente cloth wearing in Ghana (40 color slides)	1975-1977
49	10	Slides: bead making and brass casting (40 color slides)	1975-1980, undated
49	11	Slides: beef cattle safety (70 color slides, 1 audiocassette)	1974-1978, undated
49	12	Slides: beef maker and forage harvesting (1 of 2) (160 color slides)	1967-1982, undated
49	13	Slides: beef maker and forage harvesting (2 of 2) (172 color slides)	1967-1982, undated
37	19	Slides: Belgium, booklet of "Battle of Waterloo" (53 color slides)	1964-1972
49	14	Slides: biomass energy (70 color slides)	1968-1982

Box	Folder	Title	Dates
42	6	Slides: Braunschweig, Germany (145 color slides)	1980
49	15	Slides: Brazil (1 of 2) (110 color slides)	1977, undated
49	16	Slides: Brazil (2 of 2) (80 color slides)	1977, undated
49	17	Slides: Brazil machinery (78 color slides)	1977, undated
37	17	Slides: buildings at Iowa State (88 color slides)	1968-1980
49	18	Slides: bullock drawn plowing in Ethiopia, tillage by Ethiopian peasant farmers (13 color slides)	1969-1978, undated
50	15	Slides: bush rotation in Ghana, flooded rice (121 color slides)	1960-1970 circa
50	32	Slides: Cabo San Lucas, Mexico (17 color slides)	undated
37	18	Slides: Canary Islands (6 color slides)	1969
38	9	Slides: Caribbean Islands (160 color slides)	1975
49	19	Slides: charcoal making in Brazil, anaerobic digestion, solar food drying (58 color slides, 2 audiocassettes)	1975-1978, undated
38	8	Slides: China (179 color slides)	1984
38	3	Slides: China, teaching (1 of 3) (190 color slides)	1983
38	4	Slides: China, teaching (2 of 3) (180 color slides)	1983
38	5	Slides: China, teaching (3 of 3) (186 color slides)	1983
51	22	Slides: class lecture (50 color slides)	1964-1980, undated
49	20	Slides: cocoa bean processing (18 color slides)	1968-1975
49	21	Slides: Colonial Williamsburg (1 of 2) (156 color slides)	1977-1978
49	22	Slides: Colonial Williamsburg (2 of 2) (79 color slides)	1977-1978
49	24	Slides: combines and forage harvesting (79 color slides)	1962-1982, undated
49	25	Slides: combining corn and soybeans (35 color slides)	1982
49	26	Slides: compatible technology (68 color slides)	1988
49	27	Slides: conservation tillage (73 color slides)	1965-1994, undated
50	34	Slides: conservation tillage (80 color slides)	1983
49	28	Slides: corn picker safety (10 color slides)	1972-1980, undated

Box	Folder	Title	Dates
49	29	Slides: corn sheller (124 color slides)	1964-1978, undated
50	33	Slides: corn/combines (17 color slides)	1970-1980 circa
49	30	Slides: crawler safety (55 color slides)	1970, undated
37	21	Slides: Czechoslovakia (113 color slides)	1970
49	31	Slides: dangers in the air when handling livestock (64 color slides, 1 audiocassette)	undated
37	23	Slides: Denmark (204 color slides)	1961-1980
49	32	Slides: development of a strawberry harvester (232 color slides)	1967-1982
45	1	Slides: Ejura farm (37 color slides)	1968-1979, undated
49	34	Slides: emerging technologies (80 color slides)	1983, undated
40	3	Slides: energy (1 of 7) (214 color slides)	1975-1989
37	2	Slides: energy (126 color slides)	1973-1982
40	4	Slides: energy (2 of 7) (213 color slides)	1975-1989
40	5	Slides: energy (3 of 7) (192 color slides)	1975-1989
40	6	Slides: energy (4 of 7) (199 color slides)	1975-1989
40	7	Slides: energy (5 of 7) (224 color slides)	1975-1989
40	8	Slides: energy (6 of 7) (175 color slides)	1975-1989
45	2	Slides: energy (64 color slides, 3 color negatives)	1975-1985
40	9	Slides: energy (7 of 7) (78 color slides)	1975-1989
44	22	Slides: energy, coal mining (1 of 2) (192 color slides)	1972-1984
44	23	Slides: energy, coal mining (2 of 2) (107 color slides)	1972-1984
37	22	Slides: England (192 color slides)	1964
38	1	Slides: equipment, agronomy experimental plots (1 of 2) (175 color slides)	1964-1976
38	2	Slides: equipment, agronomy experimental plots (2 of 2) (115 color slides)	1964-1976
45	5	Slides: Erbach's trench and Jacobsen terraces (37 color slides)	1967-1978, undated
44	13	Slides: ethanol distillery (1 of 2) (139 color slides)	1977-1980

Box	Folder	Title	Dates
44	14	Slides: ethanol distillery (2 of 2) (87 color slides)	1977-1980
45	6	Slides: eucalyptus oil production in Australia (4 color slides)	1979
45	7	Slides: Europe (83 color slides, 1 audiocassette)	1975
45	8	Slides: European tour (153 color slides, 1 audiocassette)	1975
45	9	Slides: farm elevator, auger safety (43 color slides, 1 audiocassette)	1975
41	1	Slides: farm equipment (1 of 2) (207 color slides)	1965-1984
39	16	Slides: farm equipment (116 color slides)	1970-1986
39	17	Slides: farm equipment (128 color slides)	1973-1990
39	15	Slides: farm equipment (134 color slides)	1973-1987
41	2	Slides: farm equipment (2 of 2) (81 color slides)	1965-1984
39	18	Slides: farm equipment (220 color slides)	1969-1985
39	14	Slides: farm equipment, multiple use power units (96 color slides)	1968-1970
6	1-2	Slides: farm machinery and tractor accidents (190 color slides)	1958-1971, undated
37	13	Slides: farm machinery demonstrations (1 of 2) (166 color slides)	1954-1975
37	14	Slides: farm machinery demonstrations (2 of 2) (112 color slides)	1954-1975
41	7	Slides: farm machinery research (1 of 3) (189 color slides)	1963-1990
41	8	Slides: farm machinery research (2 of 3) (190 color slides)	1963-1990
41	9	Slides: farm machinery research (3 of 3) (73 color slides)	1963-1990
39	20	Slides: farm machinery safety (113 color slides)	1970-1981
39	19	Slides: farm machinery safety (179 color slides)	1974-1982
37	12	Slides: farm machinery, flame weeding (124 color slides)	1965-1968
39	1	Slides: farm safety (1 of 2) (178 color slides)	1963-1990
6	3	Slides: farm safety (106 color slides)	undated
39	2	Slides: farm safety (2 of 2) (184 color slides)	1963-1990
41	20	Slides: farm safety (220 color slides)	1972-1989

Box	Folder	Title	Dates
45	11	Slides: farm shop, circular saw, oxygen acetylene, AC welding safety (72 color slides, 3 audiocassettes)	1980
37	11	Slides: feather pump, pig barns (87 color slides)	1966-1979
37	16	Slides: fence making machinery (172 color slides)	1963-1973
6	4	Slides: food (81 color slides)	undated
45	10	Slides: food production in the world (37 color slides)	1967-1981, undated
45	12	Slides: forage harvesting, axial plow (69 color slides)	1967-1981, undated
45	13	Slides: forestry mechanization (138 color slides, 1 audiocassette)	1972-1985, undated
42	7	Slides: French West Africa (135 color slides)	1980
45	14	Slides: fruit and vegetable harvesting (105 color slides)	1958-1975, undated
45	15	Slides: fruit and vegetable harvesting (48 color slides)	1963-1979, undated
40	18	Slides: fruit and vegetable processing (1 of 2) (205 color slides)	1960-1970
40	19	Slides: fruit and vegetable processing (2 of 2) (107 color slides)	1960-1970
45	16	Slides: fruit tree nursery mechanization (80 color slides)	1966-1967, undated
43	22	Slides: general farming (1 of 2) (160 color slides)	1958-1974
43	23	Slides: general farming (2 of 2) (146 color slides)	1964-1974
43	16	Slides: Germany (165 color slides)	1980
45	17	Slides: Germany (86 color slides)	1980
50	16	Slides: Ghana church (80 color slides)	1990
50	11	Slides: Ghana crafts (66 color slides)	1975-1977
43	15	Slides: Ghana, Tanzania (155 color slides)	1990
50	17	Slides: glass bracelet making in Bida, Nigeria (44 color slides)	undated
37	3	Slides: graduate student projects (227 color slides)	1963-1989
45	19	Slides: grain bin equipment hazards, liquid manure, emergency medical care (86 color slides, 3 audiocassettes)	1974-1980, undated

Box	Folder	Title	Dates
45	21	Slides: grain elevator safety set (98 color slides)	1981
45	20	Slides: grain grading, "Theory of Corn Shelling" (30 color slides)	1981, undated
45	22	Slides: grain harvesting (80 color slides)	1963-1980, undated
50	24	Slides: grain quality evaluation (31 color slides)	1970 circa
45	23	Slides: grain quality meter (160 color slides)	1978-1982, undated
45	24	Slides: grain quality meter (80 color slides, 2 audiocassettes)	undated
45	25	Slides: grain wagon safety (38 color slides, 2 audiocassettes)	1980-1981, undated
45	18	Slides: graphs and data (10 color slides)	undated
41	10	Slides: green house vegetables (106 color slides)	1963-1990
45	26-27	Slides: Guayule and Jojoba articles (43 color slides)	1979-1980
45	28	Slides: gun safety (3 color slides, 1 audiocassette)	1978, undated.
42	19	Slides: Halenbuck, Germany (81 color slides)	1980
46	1	Slides: harvesting pineapple in Hawaii (58 color slides)	1963-1979, undated
46	2	Slides: harvesting root crops and cotton (44 color slides)	1977-1981, undated
42	8	Slides: Hawaii (137 color slides)	1979
46	3	Slides: Hawaii (66 color slides)	1979, undated
6	5	Slides: hay harvest (70 color slides)	undated
46	5	Slides: hay harvest, handling hay cubes (37 color slides)	1963-1982
46	6	Slides: hay harvesting, large round baler (51 color slides)	1968-1982, undated
51	27	Slides: hay/grains (33 color slides)	1960 circa
46	7	Slides: hazards of flowing grain (67 color slides, 1 audiocassette)	undated
46	8	Slides: hearing protection on the farm (80 color slides, 1 audiocassette)	undated

Box	Folder	Title	Dates
46	9	Slides: history of agricultural mechanization (156 color slides)	1959-1990, undated
46	10	Slides: history of grinding grain (47 color slides)	1982
46	11	Slides: history of the self-unloading wagon (33 color slides)	1975-1984, undated
44	9	Slides: Hungary (59 color slides)	1980
46	12	Slides: Hungary (85 color slides)	1969-1980, undated
43	17	Slides: Ibadan, Nigeria IITA (1 of 4) (161 color slides)	1979
43	18	Slides: Ibadan, Nigeria IITA (2 of 4) (152 color slides)	1979
43	19	Slides: Ibadan, Nigeria IITA (3 of 4) (150 color slides)	1979
43	20	Slides: Ibadan, Nigeria IITA (4 of 4) (164 color slides)	1979
41	17	Slides: India (135 color slides)	1992
41	14	Slides: India, Nepal, Philippines unsorted (1 of 3) (164 color slides)	1992
41	15	Slides: India, Nepal, Philippines unsorted (2 of 3) (179 color slides)	1992
41	16	Slides: India, Nepal, Philippines unsorted (3 of 3) (110 color slides)	1992
37	4	Slides: India, Philippines, Thailand (131 color slides)	undated
46	13	Slides: insulation fires, McConnell telephone lecture on gasoline fires (93 color slides, 1 audiocassette)	1973-1975, undated
46	14	Slides: Ireland (1 of 3) (260 color slides)	1964-1984, undated
46	15	Slides: Ireland (2 of 3) (244 color slides)	1964-1984, undated
46	16	Slides: Ireland (3 of 3) (62 color slides)	1964-1984, undated
43	14	Slides: Ireland, threshing machine (4 color slides)	1984
51	26	Slides: Italy (78 color slides)	1960 circa
46	18	Slides: John Deere safety (1 of 3) (22 color slides)	1975
46	19	Slides: John Deere safety (2 of 3) (26 color slides)	1975
46	20	Slides: John Deere safety (3 of 3) (26 color slides)	1975
46	21	Slides: Kansas State senior design contest (144 color slides)	1975-1983, undated

Box	Folder	Title	Dates
46	22	Slides: Kasten self-unloading wagon (120 color slides)	1980-1986
42	9	Slides: Kenya (36 color slides)	1980
46	23	Slides: Kenya, Nirobia A&R English Department (62 color slides)	1979-1988
46	24	Slides: Korea (36 color slides)	1992
42	10	Slides: Korea (83 color slides)	1992
46	25	Slides: land locomotion, Trabbie & Lask, and Berloge slides (48 color slides)	1959-1981, undated
50	19	Slides: law of soil plant dynamics (23 color slides)	1950-1960 circa
46	26	Slides: lawn mower safety (264 color slides, 1- 3x5 color photograph)	1972-1986, undated
46	27	Slides: Lima, Peru (1 of 2) (163 color slides)	1977-1986
46	29	Slides: Living History Farms (261 color slides)	1969-1981
37	1	Slides: Living History Farms and various travel around the U.S. (204 color slides)	1981-1988
37	6	Slides: Living History Farms, various travel around U.S. (2 of 2) (98 color slides)	1981-1988
50	12	Slides: living in Ghana (27 color slides)	1968
46	30	Slides: lost wax method, blacksmithing, manufacturing in West Africa (53 color slides, 1 audiocassette)	1975-1978, undated
39	7	Slides: machinery, farm equipment (1 of 3) (156 color slides)	1956-1993
39	8	Slides: machinery, farm equipment (2 of 3) (170 color slides)	1956-1993
39	9	Slides: machinery, farm equipment (3 of 3) (130 color slides)	1956-1993
48	1	Slides: man and machine compatibilities (50 color slides, 1 audiocassette)	1971-1989, undated
48	2	Slides: manure spreaders (1 of 2) (72 color slides)	1966-1976
48	3	Slides: manure spreaders (2 of 2) (90 color slides)	1967-1980
42	11	Slides: Mauritius (129 color slides)	1980
42	20	Slides: Melbourne, Australia (1 of 2) (182 color slides)	1979
40	1	Slides: Melbourne, Australia (1 of 2) (212 color slides)	1979
40	2	Slides: Melbourne, Australia (2 of 2) (169 color slides)	1980

Box	Folder	Title	Dates
42	21	Slides: Melbourne, Australia (2 of 2) (190 color slides)	1979
49	23	Slides: method of measuring grain damage in corn (110 color slides)	1973-1983, undated
41	4	Slides: Mexico, western U.S. (106 color slides)	1993, undated
45	3-4	Slides: Midwest Plan Service, engineering ethics for the 80s (110 color slides, 2 audiocassettes)	1972-1981, undated
50	13	Slides: milk bottle syndrome in Nigeria (59 color slides)	1979
6	6-15	Slides: miscellaneous agricultural (943 color slides)	undated
43	21	Slides: Munich, Germany (Whienstephen) (190 color slides)	1980
48	4	Slides: National Tillage Lab (127 color slides)	1976, undated
41	13	Slides: Nepal (217 color slides)	1992
42	12	Slides: Nepal (70 color slides)	1992
43	12	Slides: Netherlands (133 color slides)	1980
42	14	Slides: New South Wales, Australia (1 of 5) (198 color slides)	1979
42	15	Slides: New South Wales, Australia (2 of 5) (172 color slides)	1979
42	16	Slides: New South Wales, Australia (3 of 5) (184 color slides)	1979
42	17	Slides: New South Wales, Australia (4 of 5) (169 color slides)	1979
42	18	Slides: New South Wales, Australia (5 of 5) (65 slides)	1979
42	13	Slides: New Zealand (97 color slides)	1979
44	11	Slides: Nigeria (1 of 2) (152 color slides)	1980
44	12	Slides: Nigeria (2 of 2) (63 color slides)	1980
48	5	Slides: NorCap (40 color slides)	1980
48	6	Slides: North Carolina tobacco research (52 color slides)	1971
44	16	Slides: northern Nigeria, Sallah Festival (193 color slides)	1979-1980
44	2	Slides: Norway, Japan, Italy (1 of 4) (191 color slides)	1964-1977
44	3	Slides: Norway, Japan, Italy (2 of 4) (214 color slides)	1964-1977
44	4	Slides: Norway, Japan, Italy (3 of 4) (185 color slides)	1964-1977

Box	Folder	Title	Dates
44	5	Slides: Norway, Japan, Italy (4 of 4) (128 color slides)	1964-1977
48	7	Slides: objects made from rubber (1 of 2) (190 color slides)	1967-1986, undated
48	8	Slides: objects made from rubber (2 of 2) (39 color slides, 40- 3x5 color photos)	1967-1986, undated
48	9	Slides: OSHA requirements for agricultural machine grading (60 color slides, 1 audiocassette tape)	undated
48	10	Slides: palm oil refinery/palm wine making and gin distillery (27 color slides)	1968-1977, undated
48	11	Slides: para plow (40 color slides)	1981-1982
37	5	Slides: Pella, Iowa, and Monticello, Virginia (73 color slides)	1981-1983
38	11	Slides: Peru (198 color slides)	1988
48	12	Slides: Peru (83 color slides, 1- 4x6 color photo, 1 color negative)	1986
6	16	Slides: pesticides (118 color slides)	1976-1978
48	13	Slides: Philippines (1 of 3) (155 color slides)	1979-1992, undated
48	14	Slides: Philippines (2 of 3) (103 color slides)	1979-1992, undated
39	4	Slides: Philippines (241 color slides)	undated
48	15	Slides: Philippines (3 of 3) (158 color slides)	1979-1992, undated
41	11	Slides: Philippines, jungle resort, unidentified (99 color slides)	1992
39	3	Slides: plant dynamics (Michigan State University) (109 color slides)	1956-1963
50	20	Slides: planter (15 color slides)	1978
48	18	Slides: planter comparison tests (65 color slides)	1982
48	16	Slides: planters (1 of 2) (39 color slides)	1978-1982, undated
48	17	Slides: planters (2 of 2) (50 color slides)	1978-1982, undated
50	30	Slides: planting corn in Ghana (52 color slides)	1990
50	28	Slides: plot mechanization (1 of 2) (140 color slides)	1970-1980 circa

Box	Folder	Title	Dates
50	29	Slides: plot mechanization (2 of 2) (124 color slides)	1970-1980 circa
43	13	Slides: Poland (29 color slides)	1970
50	26	Slides: pottery and soap making (41 color slides)	1969-1977
48	20	Slides: power take off (PTO) (144 color slides)	1967-1986, undated
48	21	Slides: preserving and storing grain (45 color slides, 3 audiocassettes)	1978, undated
48	22	Slides: PTO safety (31 color slides)	1986
48	19	Slides: Puerto Vallarta, Mexico (27 color slides)	1993, undated
48	23	Slides: reducing the odds of farm accidents (79 color slides)	undated
48	24	Slides: research in New Zealand and Australia (72 color slides)	1979-1980
48	25	Slides: research in Nigeria (113 color slides)	1969-1981, undated
48	26	Slides: rice harvesting (1 of 3) (160 color slides)	1963-1981, undated
48	27	Slides: rice harvesting (2 of 3) (160 color slides)	1963-1981, undated
48	28	Slides: rice harvesting (3 of 3) (81 color slides)	1963-1981, undated
48	29	Slides: rice production in the Philippines (68 color slides)	1975-1992, undated
50	23	Slides: ridge planting/tillage (71 color slides)	1980 circa
50	31	Slides: ridge till (32 color slides)	1950-1970
51	21	Slides: ridge till corn (31 color slides)	1950-1970 circa
44	7	Slides: roll bar for tractor (79 color slides)	1978-1982
44	24	Slides: rotary lawn mowers (1 of 2) (149 color slides)	1973-1988
44	25	Slides: rotary lawn mowers (2 of 2) (79 color slides)	1973-1988
37	7	Slides: rotary mower blades (1 of 4) (205 color slides)	1970-1989
37	8	Slides: rotary mower blades (2 of 4) (183 color slides)	1970-1989
37	9	Slides: rotary mower blades (3 of 4) (182 color slides)	1970-1989

Box	Folder	Title	Dates
37	10	Slides: rotary mower blades (4 of 4) (175 color slides)	1970-1989
48	32	Slides: safe storage and handling of grain (63 color slides, 1 audiocassette)	1986
39	12	Slides: safety (115 color slides)	1975-1983
38	6	Slides: safety (212 color slides)	1970-1990
48	30	Slides: safety slides (62 color slides)	1965-1989
48	31	Slides: safety slides set, electricity and ground fault interrupters (31 color slides)	1975-1979, undated
50	21	Slides: safety talk (53 color slides)	1980 circa
47	4	Slides: Sam Smith, organic gardener (1 of 2) (110 color slides)	1981-1982, undated
47	5	Slides: Sam Smith, organic gardener (2 of 2) (225 color slides)	1981-1982, undated
44	15	Slides: seed cleaners (16 color slides)	1980
47	6	Slides: self-help, Kenya (38 color slides)	1988
50	25	Slides: senior design project (35 color slides)	1970-1980 circa
47	7	Slides: silo unloaders (65 color slides)	1980
47	8	Slides: skid steer loaders (1 of 2) (140 color slides, 1 audiocassette)	1977-1984, undated
47	9	Slides: skid steer loaders (2 of 2) (105 color slides)	1977-1984, undated
49	1	Slides: smelting casting pots and pans (30 color slides)	1975-1977
47	10	Slides: Smithsonian Institute (18 color slides)	1978-1980
47	12	Slides: Soehne high speed plow (67 color slides)	1959-1984
47	11	Slides: Soehne of Germany (68 color slides)	1973-1982
47	13	Slides: soil compaction (82 color slides)	1959, undated
43	5	Slides: soil core samples (79 color slides)	1953-1954
47	14	Slides: soil instruments (88 color slides)	1956-1984
47	15	Slides: soil penetrometer (21 color slides)	undated
38	7	Slides: solar energy (110 color slides)	1972-1989
44	17	Slides: South Africa (1 of 3) (152 color slides)	1980
44	18	Slides: South Africa (2 of 3) (143 color slides)	1980

Box	Folder	Title	Dates
44	19	Slides: South Africa (3 of 3) (134 color slides)	1980
47	27	Slides: southeast Asia (140 color slides)	1994-1995
41	19	Slides: Southeast Asia (276 color slides)	1994
47	16	Slides: southeast Asia trip (110 color slides)	1994-1995
47	17	Slides: soybean and grain harvesting (94 color slides)	1966-1985, undated
47	18	Slides: soybean harvesting (115 color slides)	1964-1981, undated
44	6	Slides: stair steps, mounting a tractor	1965-1980
47	19	Slides: sugar cane and sugar production (175 color slides)	1963-1979, undated
47	20	Slides: Sydney, Australia (1 of 2) (52 color slides)	1979-1980
47	21	Slides: Sydney, Australia (2 of 2) (186 color slides)	1979-1980
41	6	Slides: tandem tractor, farm equipment (118 color slides)	1950s, undated
44	8	Slides: Tanzania (178 color slides)	1990
40	10	Slides: Tanzania, USAID organization (1 of 4) (193 color slides)	1984-1990
40	11	Slides: Tanzania, USAID organization (2 of 4) (207 color slides)	1984-1990
40	12	Slides: Tanzania, USAID organization (3 of 4) (195 color slides)	1984-1990
40	13	Slides: Tanzania, USAID organization (4 of 4) (45 color slides)	1984-1990
44	10	Slides: Tasmania, Australia (112 color slides)	1979
50	1	Slides: teaching in China (1 of 8) (140 color slides)	1983-1984
50	2	Slides: teaching in China (2 of 8) (140 color slides)	1983-1984
50	3	Slides: teaching in China (3 of 8) (140 color slides)	1983-1984
50	4	Slides: teaching in China (4 of 8) (140 color slides)	1983-1984
50	5	Slides: teaching in China (5 of 8) (140 color slides)	1983-1984
50	6	Slides: teaching in China (6 of 8) (140 color slides)	1984
50	7	Slides: teaching in China (7 of 8) (140 color slides)	1984
50	8	Slides: teaching in China (8 of 8) (130 color slides)	1984
50	9	Slides: technology in China (1 of 2) (48 color slides)	1969

Box	Folder	Title	Dates
50	10	Slides: technology in China (2 of 2) (140 color slides)	1969
41	3	Slides: testing bias tires for Uni-Royal (140 color slides)	1982-1983
41	12	Slides: Thailand (273 color slides)	1992
47	22	Slides: theory of reel on combines (28 color slides)	1970-1978
50	22	Slides: tillage (63 color slides)	1950 circa
47	23	Slides: tillage equipment for wheat in Colorado (80 color slides)	1976
39	13	Slides: tractor, combine fires (121 color slides)	1973-1978
51	24	Slides: tractors and motors (23 color slides)	1970-1980 circa
47	24	Slides: traditional planting systems (55 color slides) (1 audiocassette)	1960-1981, undated
51	31	Slides: travel (102 color slides)	1970-1980 circa
51	30	Slides: travel (140 color slides)	1970-1980 circa
51	32	Slides: travel (140 color slides)	1970-1980 circa
51	33	Slides: travel (140 color slides)	1970-1980 circa
47	25	Slides: tree nursery mechanization (58 color slides)	1966-1978
47	28	Slides: tye dye (40 color slides)	1969-1980, undated
51	12	Slides: unidentified (140 color slides)	1950-1970 circa
51	13	Slides: unidentified (140 color slides)	1950-1970 circa
51	14	Slides: unidentified (140 color slides)	1950-1970 circa
51	15	Slides: unidentified (140 color slides)	1950-1970 circa
51	16	Slides: unidentified (140 color slides)	1950-1970 circa
51	1	Slides: unidentified (140 color slides)	1960-1970 circa

Box	Folder	Title	Dates
51	2	Slides: unidentified (140 color slides)	1960-1970 circa
51	4	Slides: unidentified (140 color slides)	1960-1970 circa
51	5	Slides: unidentified (140 color slides)	1960-1970 circa
51	6	Slides: unidentified (140 color slides)	1960-1970 circa
51	7	Slides: unidentified (140 color slides)	1960-1970 circa
51	8	Slides: unidentified (140 color slides)	1960-1970 circa
51	9	Slides: unidentified (140 color slides)	1960-1970 circa
51	10	Slides: unidentified (140 color slides)	1960-1970 circa
51	11	Slides: unidentified (140 color slides)	1960-1970 circa
50	35	Slides: unidentified (140 color slides)	1980 circa
50	36	Slides: unidentified (140 color slides)	1980 circa
50	37	Slides: unidentified (140 color slides)	1980 circa
51	17	Slides: unidentified (140 color slides)	1980 circa
51	18	Slides: unidentified (140 color slides)	1980 circa
51	19	Slides: unidentified (140 color slides)	1980 circa
51	20	Slides: unidentified (140 color slides)	1980 circa
39	5	Slides: unidentified (203 color slides)	undated
39	6	Slides: unidentified (228 color slides)	undated
51	28	Slides: unidentified (24 color slides)	1960 circa
51	25	Slides: unidentified (25 color slides)	1960-1970 circa
51	3	Slides: unidentified (47 color slides)	1960-1970 circa
51	29	Slides: unidentified (47 color slides)	1970-1980 circa
51	23	Slides: unidentified (47 color slides)	undated

Box	Folder	Title	Dates
40	16	Slides: unidentified foreign travel (1 of 2) (254 color slides)	1947-1990
40	17	Slides: unidentified foreign travel (2 of 2) (179 color slides)	1947-1990
40	14	Slides: unidentified travel (1 of 2) (221 color slides)	1967-1991
42	1	Slides: unidentified travel (1 of 4) (205 color slides)	undated
38	12	Slides: unidentified travel (185 slides)	1970-1981
40	15	Slides: unidentified travel (2 of 2) (126 color slides)	1967-1991
42	2	Slides: unidentified travel (2 of 4) (240 color slides)	undated
42	5	Slides: unidentified travel (276 color slides)	1984
42	3	Slides: unidentified travel (3 of 4) (240 color slides)	undated
42	4	Slides: unidentified travel (4 of 4) (256 color slides)	undated
41	18	Slides: unidentified travels (175 color slides)	1980-1991
44	1	Slides: unidentified, various (157 color slides)	1966-1980
43	4	Slides: unidentified, various (178 color slides)	1964-1982
47	29	Slides: vegetable harvesting (1 of 3) (82 color slides)	1963-1983, undated
47	30	Slides: vegetable harvesting (2 of 3) (140 color slides)	1963-1983, undated
47	31	Slides: vegetable harvesting (3 of 3) (70 color slides)	1963-1983, undated
39	10	Slides: Versa tractor (38 color slides)	undated
47	32	Slides: village technology, Kenya (99 color slides)	1979-1980
6	17	Slides: Washington, D.C.	1965
43	11	Slides: weatherproofing round bales (30 color slides)	1981
43	10	Slides: world tour (80 color slides)	1975
43	8	Slides: Zambia (1 of 2) (214 color slides)	1988
43	7	Slides: Zambia (2 of 2) (100 color slides, 8- 3x5 color photographs, 2 audiocassettes)	1988
43	6	Slides: Zambia game parks, Victoria Falls (70 color slides)	1988

Description of series

Series 9 Biographical Information 1947-2008, undated

extent: 0.63 linear feet (1 document box and 1 half-document box)

description: This series contains biographical materials relating to Buchele's life including news clippings, curriculum vitae, certificates, oral history interviews on compact disk, and autobiographical writings. The series is listed in alphabetical order.

Container list

Box	Folder	Title	Dates
8	31	Army information	1947-1951
59	3	Article: "2010 Design Engineer Hall of Fame: Dr. Wesley Buchele, Professor"	2010
10	18	Article: "For Buchele, Creativity Is the Mother of Invention" from <i>Stories</i>	undated
8	38	Bibliography	1973
8	32	Biographical sketches	1969-2008
Map	Case	Certificates and diplomas	
8	50	Christmas letters	2008-2010
8	39	Correspondence regarding the Iowa State University Department of Agricultural and Biosystems Engineering centennial anniversary, includes writings on J. B. Davidson and the Chinese student exchange program	1984-2005
8	33	Curriculum vitae	1984-1995
8	34	Employment	1947-1954
10	20	Historic and Illuminating Episodes in the Life of Wesley F. Buchele (by Buchele)	2007
10	22	<i>History of the Cedar Vale Bucheles, 1831-2002</i> : index, chapters 1-7, by Wesley and Luther Buchele	2004
10	23	<i>History of the Cedar Vale Bucheles, 1831-2002</i> : chapters 8-10, by Wesley and Luther Buchele	2004
10	24	<i>History of the Cedar Vale Bucheles, 1831-2002</i> : chapters 11-15, 2 appendices, by Wesley and Luther Buchele	2004
8	35	News clippings	1960-2006, undated

Box	Folder	Title	Dates
8	49	Oral history interview: <i>Ag Basics: Wes Buchele</i> (1 CD-ROM)	2005
8	48	Oral history interview: Story Corps' audio history of Wesley F. Buchele (1 CD-ROM)	2006
59	4	Paper: "Wesley and the U.S. Army, 1939-1946"	2008
8	36	Retirement	1989
10	21	Technical History of Wesley F. Buchele (by Buchele)	2007
8	37	Travel schedules	1985-1986

Description of series

Series 10 Mary J. Buchele Papers 1968-1988, undated

extent: 1.3 linear feet (1 records center carton)

description: Series consists of materials regarding the activities of Mary J. Buchele, Buchele's wife. The papers contain her curriculum vitae and documents detailing her involvement in the Agricultural Engineering Women's Club, World Food Conference of 1976, and the American Home Economics Association's Family Planning Project. The series is arranged in alphabetical order.

Container list

Box	Folder	Title	Dates
9	1	Agricultural Engineering Women's Club	1970-1971
9	2-15	American Home Economics Association, Family Planning Project (1- 5x7 color and 1- 8x10 color photographs; 9 color slides)	1974-1976
9	16	Calendars	1968
9	17	Curriculum vitae	1984-1988
9	18	Home Economics Studies 560x: Population, family planning, and family welfare	undated
9	19	International Association on Mechanization Field Experiments (IAMFE) Conference	1976
9	20	President Gerald Ford's visit to Ames, Iowa	1976
9	21-25	World Food Conference of 1976	1973-1976