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Wayne Gardner Papers

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Wayne Gardner Papers

COLLECTION SUMMARY

IDENTIFIER

UA 53.85

TITLE

Wayne Gardner Papers

DATES

1952-1987

PHYSICAL DESCRIPTION

1.84 linear feet [1 record box, 2 document cases]

3167 slides, 114 black-and-white photographs

NAME OF CREATOR(S)

Gardner, Wayne

LANGUAGE

English

REPOSITORY

South Dakota State University Archives and Special Collections

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

1300 North Campus Drive, Brookings, SD 57007

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ACCESS NOTE

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PREFERRED CITATION

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ABSTRACT

This collection is composed mainly of slides and photographs related to Gardner's research on virus diseases of plants, with a focus on wheat streak mosaic virus and tobacco mosaic virus.

BIOGRAPHICAL NOTE

Wayne Scott Gardner - Born: January 11, 1920 Died: April 19, 2014

Gardner served three years in the Army Air Corps during World War II, including a tour of duty on Guadalcanal. He married Leona Oberly, in Clifton, Colorado. On the GI Bill he earned bachelor's and master's degrees in botany and plant pathology at Utah State Agricultural College, Logan.

He was employed as a civilian researcher by the U.S. Army in Utah and conducted environmental and crop research for U.S. Steel Corporation in Utah and Pennsylvania. He returned to school at age 43 under a Regents Fellowship at University of California-Davis, where he earned a Ph.D. in Plant Pathology in 1967. His doctoral

thesis project was a study of barley stripe mosaic virus, and he was honored for outstanding accomplishment in the field of electron microscopy at UC Davis.

He was hired as an associate professor at South Dakota State University in Brookings, where he focused on research and teaching using the electron microscope. Wayne also served a USAID mission to Botswana. In Brookings, Wayne was active in Toastmasters and the Pitchblenders Barbershop Chorus.

Gardner retired in 1985.

CONTENTS NOTE

This collection is composed mainly of slides and photographs related to Gardner's research on virus diseases of plants, with a focus on wheat streak mosaic virus and tobacco mosaic virus. Also included is material related to crop injuries related to the environment and air pollution. Other material included publications related to his research.

SUBJECT HEADINGS

PERSONS

- Gardner, Wayne

SUBJECTS

- Botany
- Plants – Effects of air pollution on
- Barley yellow dwarf viruses
- Wheat streak mosaic virus
- Crops – Wounds and injuries
- Aphids
- Virus diseases of plants

GENRE

- Slides
- Photographs

ACCESS

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CONTAINER LIST

Box	Folder	Description	Date(s)
1	1	Air pollution injury to plants	1985
1	2	Air pollution slides	1972-1977
1	3	Barley yellow dwarf	1980-1982
1	4	Blue grass powdery mildew, squash rot, Brookings smog, alfalfa mosaic virus	1971-1976
1	5	Cheat WSMV corn, SDP2 WSMV, leaf curl, TMV	1975
1	6	Corn and wheat reprints, research material, correspondence [1 of 2]	1968-1984
1	7	Corn and wheat reprints, research material, correspondence [2 of 2]	1968-1984
1	8	Crop injuries - Frost, head, drought, wind, winter, hail, sleet [1 of 2]	1962-1978
1	9	Crop injuries - Frost, head, drought, wind, winter, hail, sleet [2 of 2]	1962-1978
1	10	Corn leaf aphid, TMV, CLN, SO2, W3 tobacco	1976-1981
1	11	Effect of air pollution on plants	1962-1979
1	12	Effect of increased winter wheat production on diseases of both HRS and HEW wheats: Wheat Streak Mosaic Virus	1985
1	13	Fungi imperfecti [1 of 2]	1982
1	14	Fungi imperfecti [2 of 2]	1982

Box	Folder	Description	Date(s)
1	15	Hard Red Virus and Wheat Streak Mosaic Virus - Wheat, air pollution [1 of 2]	1961-1975
1	16	Hard Red Virus and Wheat Streak Mosaic Virus - Wheat, air pollution [2 of 2]	1961-1975
1	17	Hard Red Spring and Wheat Streak Mosaic Virus - Wheat	1968-1985
1	18	Heat and Cold effect on plants	1976-1977
1	19	Introduction to virus diseases	1965-1982
1	20	Leaf: Virus, inclusions, yeast, and cell	1968
1	21	Maize dwarf mosaic virus [MDMV] - Corn	undated
1	22	Photosynthesis - Head, winter, frost, environmental damage, and deficiencies	1954-1982
1	23	Plant pathogens microscopic slides	1966-1982
1	24	Poinsettia, pain virus, tobacco mosaic virus	1976-1978
1	25	Powdery mildew, HRW, air pollution, tomato septoria, corn charcoal rot, sorghum aphid, white leaf rust, alfalfa yellow leaf spot	1968-1980
1	26	Protein and amino acids slides	1976-1978
1	27	Reports on wheat streak mosaic virus [1979]	1979-1983
1	28	Rust blue grass, wheat roots temp, curly top copies, BMV	1973-1974
1	29	Seminar Mobridge - Pollution	1977-1978
1	30	Slides of different plants - Wheat, sunflower, Calrose, HRS	1982-1983
1	31	Teaching slides for Hard Red Spring and Wheat Streak Mosaic Virus	1974
1	32	Three-dimensional structure of pinwheel inclusions as determined by analytic geometry	1980
1	33	Tobacco mosaic virus symptoms, tomato and tobacco virus, PMV	1976-1979
1	34	Tobacco proteins (Barley, bacteria), interference colors	1968-1984

Box	Folder	Description	Date(s)
1	35	Tobacco hormone, SO2, O3 cigar, alfalfa, white mold sclerotinia, O3 pharmacy	1971-1975
1	36	Ultrastructure of wheat, leaf rust, wheat streak mosaic virus	1984
1	37	Water mech. drought frost - Correspondence	1982
1	38	Wheat leaves ultrastructure	1965-1980
1	39	Wheat streak mosaic virus, hard red spring and winter wheat virus, maize dwarf mosaic virus, tobacco mosaic virus [1 of 2]	1976-1978
1	40	Wheat streak mosaic virus, hard red spring and winter wheat virus, maize dwarf mosaic virus, tobacco mosaic virus [2 of 2]	1976-1978
2	1	Wheat streak mosaic virus, Barley strip mosaic virus, L aggregates, plant virologist	1977-1978
2	2	Wheat streak mosaic virus - corn	1962
2	3	Wheat streak mosaic virus - corn - thioglycollate sparplastic 49-10-3	1971
2	4	Wheat streak mosaic virus - corn - I-27 SEA review 1979	1978-1979
2	5	Wheat striates (streak) mosaic virus - articles, correspondence	1962-1987
2	6	Wheat streak mosaic virus - mature wheat - epidemic years	1974-1975
2	7	Wheat striates (Streak) mosaic literature [1 of 3]	1952-1982
2	8	Wheat striates (Streak) mosaic literature [2 of 3]	1952-1982
2	9	Wheat striates (Streak) mosaic literature [3 of 3]	1952-1982
3	1	Wheat streak mosaic virus literature	1952-1987
3	2	Wheat streak mosaic virus N. Quinn	1974
3	3	Wheat streak mosaic virus photographs	1967
3	4	Wheat streak mosaic virus research	1959-1982
3	5	Wheat streak mosaic virus SD-P2	1976

Box	Folder	Description	Date(s)
3	6	Wheat streak mosaic virus - Wheat, thing section photographs	1968
3	7	Wheat workers MPLS	1982