**Arrangement:**

**Series 1: Personal Papers, 1946-1991**

**Series 2: Research-related Papers, 1926-1991**

**Series 3: Publications, 1955-1984**

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**Series 1: Personal Papers, 1946-1991**

This series contains Professor Hooker's CV, personal correspondence, course notes from his time at the University of Wisconsin, awards, and photographs. This series also includes documents relating to Hooker's military records. The series is organized alphabetically.

**Box 1**

1. American Association for the Advancement of Science fellow award, 1989
2. American Society of Agronomy Crops and Soils awards, 1973
3. Award banquet brochures and photograph, 1949-1971
4. Course notes and assignments, 1 of 2, 1948-1950
5. Course notes and assignments, 2 of 2, 1947-1948
6. Materials for Arthur Hooker's obituary, 1991
7. Military service records, 1946
8. Paul A. Funk Recognition award, 1973
9. Personal correspondence, 1979-1983
10. Photographs of Arthur Hooker, undated
11. Resumes, professional histories, and list of publications, 1987
12. Sigma Xi membership certificate, 1984
13. State of Illinois General Assembly commendation, 1971

**Series 2: Research-related Papers, 1926-1991**

This series contains materials related to Arthur Hooker's research on plant pathology, corn breeding, and plant genetics. It is arranged in two parts, each alphabetically therein. Part 1 (1926-1980) contains materials relating to Hooker's research while at the Universities of Wisconsin and Illinois. Materials include correspondence, research files, datebooks, field plot notebooks, conference papers, meeting notes, a newspaper clipping scrapbook, and data from field work in South Africa and the former Republic of Yugoslavia. Part 1 also contains John R. Snyder's files from DeKalb AgResearch. Part 2 (1980-1991) contains materials relating to Hooker's work for DeKalb-Pfizer Genetics, Hughes Hybrids Seed Company, and the Plant Molecular Biology Center at Northern Illinois University after he left the University of Illinois in 1980. Included are correspondence, datebooks, expense reports, research notes, and field plot notebooks. Of particular interest are several binders that contain Professor Hooker's notes on breeding plans, field plot management, and seed production. Also included are DeKalb-Pfizer Genetics' internal publications, reports, manuals, and guides, including seed testing and research and development reports, as well as statistical printouts on inbred line evaluation and disease rating profiles.

**Series 2: Research-related Papers, 1926-1991**

**Box 1**

**Part 1: University of Wisconsin and University of Illinois, 1926-1980**

1. IIaH2 Corn, ca. 1977
2. A-4 Inheritance of resistance to rust, ca. 1959-1962
3. A-5 Influence of rust on yield, 1964-1977
4. *Advanced Genetics*, handbook complied by A.L. Hooker, probably for teaching, 1 of 2, ca. 1953
5. *Advanced Genetics*, handbook complied by A.L. Hooker, probably for teaching, 2 of 2, ca. 1953
6. Agriculture research, 1965-1976
7. Agriculture, assorted newspaper clippings, 1971-1983
8. Assessment of Present Efforts and Suggestions for Future Research on Corn Disease, report by A.L. Hooker, 1972
9. Biological diseases, 1959-1967
10. Corn anthracnose, 1974
11. Corn anthracnose, 1980
12. Corn Breeders Meeting, 1 of 2, 1975
13. Corn Breeders Meeting, 2 of 2, 1975
14. Corn breeding, conference papers, ca. 1971-1972
15. "The Corn Leaf Blight Picture," presented at Corn Disease Conference, 1976
16. Corn leaf diseases and resistance, research notes, data, and related correspondence, 1977-1979
17. Corn—bacterial research file, 1928-1980
18. Corn—general research file, 1926-1983
19. Corn—northern leaf blight research file, 1974
20. Corn—rusts research file, 1969
21. Dairy Science/Biology 316 lecture notes, 1973
22. Datebook and calendar, 1974-1979
23. Datebooks and planners, 1976-1980
24. "The Design and Analysis of Biological Experiments," by W.C. Jacob and R.D. Seif, ca. 1960s
25. "Differential Reactions of Eighty-four Sources of Chlorotic Lesion Resistance in Corn to Three Biotypes of *Helminthosporium turcicum*," 1980
26. Estimating disease losses based on the amount of healthy leaf tissue during the plant reproductive period, data, 1979
27. Expression of resistance in Corn to *Helminthosporium maydis* Race O Imported by the Monogenic Recessive in Gene rhm, ca. 1959-1969
28. Fertility plots, maps and analyses, 1968-1974
29. Genetics of Plant Pathogen Interactions, 406 lecture outlines, ca. 1979
30. Genetics Society of America, 1966-1971
31. Guide to the Maize and Sorghum Demonstration Nurseries of Eucarpia-79 in the Maize Research Institute—Kneja, 1979
32. Haploids in higher plants symposiums, 1974
33. *Helminthosporium turcicum* data, news bulletins, and correspondence, 1974-1979
34. *Helminthosporium turcicum* genetic studies in field, 1962-1968
35. *Helminthosporium* leaf report data, undated
36. Histology of *Helminthosporium maydis* Race O on Zea mays with and without Monogenic Recessive Gene rhm, ca. 1959-1969

**Series 2: Research-related Papers, 1926-1991**

**Box 1**

1. Hybrid designations, confidential, 1974
2. Illinois Breeders School, 1974

**Box 2**

1. Illinois Corn Breeders School booklet, 1974
2. Illinois Corn Breeders School booklet, 1975
3. Illinois nutrition seminar, 1974
4. Indeterminate gametophyte, 1969
5. Inheritance of Adult Plan Resistance to Common Corn Rust, correspondence and data, 1963
6. "Inheritance of Resistance in Maize to Ruse caused by *Puccinia sorghi*," presentation at First International Congress of Plant Pathology, 1968
7. Iowa State, Experiment 500, ca. 1974
8. Leaf blight fertility data, 1976
9. Kukuruz ZP Hibridi, 1982-1988
10. Maize breeding for disease resistance, prepared at Maize Research Institute Beograd-Zemun, including field plot notebook, 1979
11. Maize breeding workshop: Production, Drying, Storage, and Processing of Maize in Yugoslavia, 1976-1979
12. Maize disease handbook, undated
13. Miscellaneous agronomy notes, University of Wisconsin and University of Illinois, 1952-1958
14. Newspaper clipping scrapbook, 1971-1972
15. Notebook compiled for Plant Pathology 102: Methods in Plant Pathology, University of Wisconsin, 1949-1950
16. Notebook containing outlines for talks, research plans, and data, undated
17. Outline Grower Conference, photograph, 1976
18. Plant Introduction Stations, plot data, 1976
19. PRF Ind., data, undated
20. Research and meeting notes, ca. 1958-1965
21. Research and meeting notes, Party 10, Vol. II, ca. 1960s
22. Research and meeting notes, 1968
23. Research and meeting notes, ca. 1970s
24. Research and meeting notes, ca. 1970s
25. Research and meeting notes, ca. 1970s-1980s
26. Research and meeting notes, ca. 1975
27. Sabbatical leave reports, 1978-1979
28. "Selection and Breeding Methods," by Arnel R. Hallauer, ca. 1970s

**John R. Snyder**

1. Dekalb expense reports, 1973-1983
2. Experiments: radioactive seed, 14CO2 and fertility tests, 1973-1974
3. Lysine analysis, 2NOR, 1974
4. Lysine: correspondence from Wayne Fowler, 1969-1974
5. Lysine: data lab standards, 1974
6. Lysine: literature, 1966-1973
7. Lysine index: interim report, 1974
8. Nodal proliferation mutant, undated
9. Nursery, 1974

**Series 2: Research-related Papers, 1926-1991**

**Box 2**

1. Nursery, maps and correspondence, 1974-1976
2. Procedures, misc., 1970-1973
3. Program objectives, 1973-1974
4. Protein Plus laboratories, 1972-1974
5. South Africa, Department of Agricultural Technical Services notes and field plot notebook, 1977-1979
6. South Africa, embassy correspondence, 1976-1977

**Box 3**

1. South Africa maize seed research, seed lists, 1979
2. South Africa seminar data, 1979
3. Southern leaf blight, 1971
4. Stalk rot research, ca. 1960-1961
5. Summary of D.S. 74 Rust Solutions, data, 1976
6. Talks, reports, and drafts, 1 of 2, 1973-1974
7. Talks, reports, and drafts, 2 of 2, 1973-1976
8. Virus study field data, 1967
9. University of Illinois, College of Agriculture, includes photograph, 1974
10. University of Illinois termination letters, 1980
11. Workshop and conference papers, ca. 1970-1980
12. Zemun data, 1978-1979

**Part 2: DeKalb/Pfizer and Northern Illinois University, 1980-1991**

1. Art's Inbred Development Program, 1989
2. Binder: 1—General research notes, ca. 1980s
3. Binder: 2—Breeding and seed production research, 2B 1-8, ca. 1980s
4. Binder: 3—Breeding and seed production corn, CB 1-9, ca. 1980s
5. Binder: 4—Breeding and seed production research, CB 4-8, ca. 1980s
6. Binder: 6—Physiology research notes, ca. 1980s
7. Binder: Breeding plans, 1986-1987
8. Binder: Breeding plans, ca. 1988
9. Binder: Breeding plans and seed production notes, ca. 1980s
10. Binder: Inbred lines, 1987-1989
11. Binder: Field plot notes, BP line, possibly Hawaii, 1989-1990
12. Binder: Field plot notes, possibly Holden Seed or Hughes Hybrids, 1989-1990

**Box 4**

1. Binder: note code, notes, and to do, ca. 1980s
2. Breeding program, St. Louis and Hawaii, 1980-1981
3. B.P. 2, Field plot data and notes, ca. 1988
4. B.P. 3, Notes and calculations, 1984-1987
5. Conference schedules and booklets, 1979-1990
6. Corn growers lobbying efforts, miscellaneous correspondence and newsletters, 1990-1991
7. Corn seedling research, 1982-1986
8. Date books and planners, 1981-1985
9. Date books and planners, 1986-1990
10. DeKalb-Pfizer Genetics, FACT and R&D tests, 1983

**Series 2: Research-related Papers, 1926-1991**

**Box 4**

1. DeKalb-Pfizer Genetics, FACT and R&D test results, 1 of 2, 1983-1984
2. DeKalb-Pfizer Genetics, FACT and R&D test results, 2 of 2, 1983-1984
3. DeKalb-Pfizer Genetics, GCA/SCA Report, 1 of 2, 1983
4. DeKalb-Pfizer Genetics, GCA/SCA Report, 2 of 2, 1983
5. DeKalb-Pfizer Genetics, Head to group san comparisons, 1 of 2, 1983
6. DeKalb-Pfizer Genetics, Head to group san comparisons, 2 of 2, 1983
7. DeKalb-Pfizer Genetics, HEDMENU selection, 1985
8. DeKalb-Pfizer Genetics, Plant Molecular Biology Program postdoctoral position progress report, 1985
9. DeKalb-Pfizer Genetics, Rows and Summaries for Hawaii BPI, 1987
10. DFS tests, 1988-1989
11. Disease reactions and resistance evaluation, 1990
12. Elite inbred section in Kihei, memo and plot planning data, 1982
13. Executive summary of the 1983 Plant Breeding Research Forum, 1983
14. Experiments, colchicine, 1988-1990
15. Garst Seed Company trial, 1983
16. Genetic seed cross data, ca. 1988-1990
17. Germany, contracts, 1989
18. G.H. (Green House) plots, ca. 1989-1990
19. H90 Nursery planning sheets, 1990
20. Hawaii BP field plot notebooks, 1986-1990
21. *Helminthosporium carbonum*, 1991

**Box 5**

1. HM Tests, seed testing summary reports, 1988
2. Holden's Foundation Seeds hybrid testing, 1989-1991
3. Holden Foundation Seeds hybrid yield data, 1990-1991
4. Holden Foundation Seeds, previous nursery plans, 1987
5. Hughes Hybrids, 1986-1990
6. Hughes Hybrids, 1991
7. Hughes Hybrids, Biogenetic Services Inc., 1990
8. Hughes Hybrids corn data information, newsletters, and catalogs, 1987-1991
9. Hughes Hybrids, hybrid comparisons, 1989
10. Hughes Hybrids, IFS (Illinois Foundation Seeds), 1990
11. Hughes Hybrids, planer guides, with A.L. Hooker's field notes, 1987-1991
12. Hughes Hybrids, research data, 1987-1989
13. Hughes Hybrids, to do, 1990-1991
14. Hughes Hybrids, to farm, notes and data on corn breeding, 1991
15. Hughes Hybrids, USDA grant proposal: Corn Plant Regeneration via Haploid Tissue Culture and Chromosome Doubling, 1987
16. Hybrid seed for tests, 1988-1991
17. I—1991, Inbred increase, 1990-1991
18. Inbred graduation, plus pedigrees M, F, S, 1989
19. Inheritance of resistance to wheat streak mosaic virus in dent corn, undated
20. Kihbi MCO and EFF, 1981
21. Sung M. Lim., recommendation materials, 1990-1991
22. Linkage map of maize (located in Box 7, Folder 1), 1980
23. National Plant Genetic Research Board, 1982

**Series 2: Research-related Papers, 1926-1991**

**Box 5**

1. NCR-25 Technical Committee, corn and sorghum diseases, 1988
2. Northern Illinois University, correspondence, 1986-1990
3. Northern Illinois University, miscellaneous notes, 1990-1991
4. Northern Illinois University Plant Molecular Biology Center, 1988
5. Notes on plant pollination research, 1990
6. Nursery, Inbred test plots and data, 1990-1991
7. NUS Nursery field plot notebooks, 1 of 2, 1986-1988
8. NUS Nursery field plot notebooks, 2 of 2, 1989-1991
9. OBSN Field plot notebooks, 1990
10. Performance tests, 1990
11. Pfizer Genetics Conversion Nursery Program, No. 12-14-100-9977(34), Mechanism of Resistance, 1 of 3, 1980-1983

**Box 6**

1. Pfizer Genetics Conversion Nursery Program, No. 12-14-100-9977(34), Mechanism of Resistance, 2 of 3, 1980-1983
2. Pfizer Genetics Conversion Nursery Program, No. 12-14-100-9977(34), Mechanism of Resistance, 3 of 3, 1980-1983
3. Pfizer Genetics plant breeding and genetics testing development manual, ca. 1980s
4. Pfizer Genetics Research and Development conference photograph, 1981
5. Pfizer Genetics research binder, includes reports, manuals, and correspondence, 1 of 3, ca. 1980s
6. Pfizer Genetics research binder, includes reports, manuals, and correspondence, 2 of 3, ca. 1980s
7. Pfizer Genetics research binder, includes reports, manuals, and correspondence, 3 of 3, ca. 1980s
8. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982 (located in Box 7, Folder 2)
9. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982 (located in Box 7, Folder 3)
10. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, December 1982 (located in Box 7, Folder 4)
11. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 1 of 2, March 1983 (located in Box 7, Folder 5)
12. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 2 of 2, March 1983 (located in Box 7, Folder 6)
13. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics disease rating profile, RES 185, May 1983 (located in Box 7, Folder 7)
14. Proceedings of the Monmouth College Corn Conference, 1981
15. Research and Development Conference on Soybean Diseases and assorted notes, 1981
16. Research notes, correspondence, and data, ca. 1980s
17. Rochelle field plot notebook, 1989-1991
18. Rochelle, HA 89-90, 1989-1990
19. SCA-GCA Report, data for 1982 exchange hybrid parents, 1982
20. Seed hybrid testing and development, miscellaneous notes and data, 1990-1991
21. Seed Nursery, Scalar, Screening, and Crossing Block, John H. Pfund, 1 of 3, 1983
22. Seed Nursery, Scalar, Screening, and Crossing Block, John H. Pfund, 2 of 3, 1983
23. Seed Nursery, Scalar, Screening, and Crossing Block, John H. Pfund, 3 of 3, 1983
24. Seed testing and summary report, 1989

**Series 2: Research-related Papers, 1926-1991**

**Box 6**

1. Seed testing data and reports, 1989-1990
2. SI field plot notebook, 1987
3. To farm subject file, 1990-1991
4. U.S. corn hybrid and pedigree lists, 1984-1986

**Series 3: Publications, 1950-1984**

This series contains articles authored and co-authored by Arthur L. Hooker. The series is arranged chronologically.

1. Publications, 1950-1954
   * Hooker, A.L., and J.G. Dickson. 1952. Resistance to *Pythium* manifest by excised corn- embryos at low temperatures. Agron. Jour. 44: 443-447.
   * Hooker, A.L. 1953. Correlation of resistance to eight *Pythium* species in seedling corn. (Abstr.) Phytopathology 43: 467.
   * Hooker, A.L. 1954. Severity of corn seedling disease in Iowa soils. Ia. Acad. Sci. 60: 158-162.
   * Hooker, A.L. 1954. Relative efficiency of various methods of inducing field infections with *Helminthosporium turcicum* and *Puccinia sorghi*. Plant Dis. Reptr. 38: 173-177.
   * Hooker, A.L. 1954. Relative pathogenicity of *Pythium* species attacking seedling corn. Proc. Ia. Acad. Sci. 60: 163-166.
   * Hooker, A.L. 1954. Severity of corn seedling disease in Iowa soils. Proc. Ia. Acad. Sci. 60: 158-162.
2. Publications, 1955-1959
   * Hooker, A.L. 1955. Corn diseases in Iowa nurseries in 1953 and 1954. Plant Dis. Reptr. 39: 381-383.
   * Hooker, A.L., G.F. Sprague, and W.A. Russell. 1955. Resistance to rust (*Puccinia sorghi*) in corn. Agron. Jour. 47: 388.
   * Hooker, A.L. 1955. Intra-inbred line variation in resistance to a *Pythium* seedling disease of corn. Agron. Jour. 47: 388.
   * Hooker, A.L. 1955. Additional seed factors affecting stands of corn in cold soils. Agron. Jour. 47: 582-585.
   * Hooker, A.L. 1955. Septoria reactions of entries in the North Central State uniform oat yield nursery and other strains in 1955. Plant Dis. Reptr. 39: 963-966.
   * Hooker, A.L. 1956. Correlation of resistance to eight *Pythium* species attacking seedling corn. Phytopathology 46: 175-176.
   * Hooker, A.L. 1956. Association of resistance to several seedling, root, stalk, and ear diseases in corn. Phytopathology 46: 379-384.
   * Hooker, A.L., and P.M. LeRoux. 1957. Sources of protoplasmic resistance to rust (*puccinia sorghi*) in corn. Phytopathology 47: 187-191.
   * Hooker, A.L. 1957. Factors affecting the spread of *Diplodia zeae* in inoculated corn stalks. Phytopathology 47: 196-199.
   * Hooker, A.L. 1957. *Septoria* reactions of oat varieties and selections in 1956. Plant Dis. Reptr. 41: 385-388.
   * Hooker, A.L. 1957. Methods of inoculation and determining varietal reactions in the *Septoria* disease of oats. Plant Dis. Reptr. 41: 592-597.

**Series 3: Publications, 1955-1984**

**Box 6**

1. Publications, 1955-1959 (cont.)
   * Hooker, A.L. 1957. Cultural variability in *Septoria avenae* through successive single macrospore transfers. Phytopathology 47: 460-468.
   * Hooker, A.L. 1957. Varietal reaction correlation studies in the *Septoria* disease of oats. Agron. Jour. 49: 600-604.
   * Hooker, A.L. 1958. *Septoria* reactions of oat varieties and selections in 1957. Plant Dis. Reptr. 42: 20-25.
   * Russell, W.A., and A.L. Hooker. 1959. Inheritance of resistance in corn to rust, *Puccinia* *sorghi* Schw., and genetic relationships among different sources of resistance. Agron. Jour. 51: 21-24.
   * Hooker, A.L. 1959. A non-parasitic leaf spot of oats. Plant Dis. Reptr. 43: 337-342.
2. Publications, 1960-1964
   * Hooker, A.L., and C.B. Henderson. 1960. Relative maturity and reaction of corn inbreds to leaf blight and stalk rot. Rept. On Plant Dis. 203.
   * Hooker, A.L. 1960. Sources of resistance to the *Septoria* disease of oats. Agron. Jour. 52: 137-138.
   * Hooker, A.L. 1960. Inheritance of reaction to *Septoria avenae* in oats. Agron. Jour. 52: 139-143.
   * Craig, J., and A.L. Hooker. 1961. *Diplodia* root and stalk rot of dent corn. Phytopathology 51: 382-385.
   * Craig, J., and A.L. Hooker. 1961. Relation of sugar trends and pith density to *Diplodia* stalk rot in dent corn. Phytopathology 51: 376-382.
   * Hooker, A.L. 1961. A new type of resistance in corn to *Helminthosporium turcicum*. Plant Dis. Reptr. 45: 780-781.
   * Hooker, A.L. 1962. Role of fertilizer on corn diseases. Better crops with plant food.
   * Hooker, A.L., C.B. Henderson, and D.E. Yates. 1962. Agronomic characteristics of corn inbreds and their reaction to leaf blights and stalk rot. Rept. On Plant Dis. 204
   * Hooker, A.L., C.B. Henderson, and D.E. Yates. 1963. Agronomic characteristics of corn inbreds and their reaction to leaf blights and stalk rot. Rept. On Plant Dis. Supplement 1. 204A.
   * Hooker, A.L. 1962. Additional sources of resistance to *Puccinia sorghi* in the United States. Plant Dis. Reptr. 46: 14-16.
   * Hooker, A.L., and W.A. Russell. 1963. Inheritance of resistance to *Puccinia sorghi* in six inbred lines of corn. Phytopathology 52: 122-128.
   * Malm, N.R., and A.L. Hooker. 1962. Resistance to rust, *Puccinia sorghi Schw*., conditioned by recessive genes in two corn inbred lines. Crop Sci. 2: 145-147.
   * Russell, W.A., and A.L. Hooker. 1962. Location of genes determining resistance to *Puccinia sorghi Schw*. in corn inbred lines. Crop Sci. 2: 477-480.
   * Hooker, A.L. 1962. Corn leaf diseases. Proceedings of the 17th Annual Hybrid Corn Industry-Research Conference. pp. 24-36.
   * Hooker, A.L. and M.P. Britton. 1962. The effects of stalk rot on corn yields in Illinois. Plant Dis. Reptr. 46: 9-13.
   * Hooker, A.L. 1963. Greater resistance to northern corn leaf blight is on the way. Ill. Res. 5(1): 8-9.

**Series 3: Publications, 1955-1984**

**Box 6**

1. Publications, 1960-1964 (cont.)
   * Hooker. A.L. 1963. A second major gene locus in corn conditioning resistance to *Puccinia sorghi*. Phytopathology 53: 221-223.
   * Lee, B.H., A.L. Hooker, W.A. Russell, J.G. Dickson, and A.L. Flangas. 1963. Genetic relationships of alleles on chromosome 10 for resistance to *Puccinia sorghi* in 11 corn lines. Crop. Sci. 3: 24-26.
   * Hooker, A.L. 1963. Inheritance of chlorotic-lesion resistance to *Helminthosporium turcicum* in seedling corn. Phytopathology 53: 660-662.
   * Hooker, A.L., P.E. Johnson, M.C. Shurtleff, and W.D. Pardee. 1963. Soil fertility and northern corn leaf blight. Agron. Jour. 55: 411-412.
   * Britton, M.P., and A.L. Hooker. 1963. Failure to control corn stalk rots with above ground applications of protectant fungicides. Plant Dis. Reptr. 47: 470-471.
   * Hilu, H.M., and A.L. Hooker. 1963. Monogenic chlorotic lesion resistance to *Helminthosporium turcicum* in corn seedlings. Phytopathology 53: 909-912.
   * Hooker, A.L. 1963. Monogenic resistance in *Zea mays L.* to *Helminthosporium turcicum*. Crop Sci. 3: 381-383.
   * Hilu, H.M., and A.L. Hooker. 1964. Host-pathogen relationship of *Helminthosporium turcicum* in resistant and susceptible corn seedlings. Phytopathology 54: 570-575.
   * Hooker, A.L., H.M. Hilu, D.R. Wilkinson, and C.G. Van Dyke. 1964. Additional sources of chlorotic-lesion resistance to *Helminthosporium turcicum* in corn. Plant Dis. Reptr. 48: 777-780.
   * A.L. Hooker. 1964. Notes and Brief Articles: Cultural variability, conidial production, and pathogenicity of *Helminthosporium turcium*. Mycologia 56: 775-777.
2. Publications, 1965-1969
   * Hilu, H.M., and A.L. Hooker. 1965. Localized infection by *Helminthosporium turcicum* on corn leaves. Phytopathology 55: 189-192.
   * Hagan, W.L., and A.L. Hooker. 1965. Genetics of reaction to *Puccinia sorghi* in eleven corn inbred lines from Central and South America. Phytopathology 55: 193-197.
   * Hooker, A.L., R.R. Nelson, and H.M. Hilu. 1965. Avirulence of *Helminthosporium* *turcicum* on monogenic resistant corn. Phytopathology 55: 462-463.
   * Hilu, H.M., and A.L. Hooker. 1965. Host-pathogen relationship of *Puccinia sorghi* in nearly isogenic resistant and susceptible seedling corn. Phytopathology 54: 563-569.
   * Wysong, D.S., and A.L. Hooker. 1966. Relation of soluble solids content and pith condition to *Diplodia* stalk rot in corn hybrids. Phytopathology 56: 26-35.
   * Yarwood, C.E., and A.L. Hooker. 1966. Heat predisposition to corn rust. Phytopathology 56: 510-511.
   * Hooker, A.L., and C.E. Yarwood. 1966. Culture of *Puccinia sorg*hi on detached leaves of corn and oxalis corniculata. Phytopathology 56: 536-539.
   * Hooker, A.L. 1966. Use of detached leaves offers advantages in studying plant diseases. Ill. Research 8: 19.
   * Hooker, A.L. 1967. Diseases and yield barriers. Proceedings Annu. Hybrid Corn Industry-Research Conference 22: 30-36.
   * Hooker, A.L. 1967. The genetics and expression of resistance in plants to rusts of the genus *Puccinia*. Annu. Rev. Phytopathology 5: 163-182.

**Series 3: Publications, 1955-1984**

**Box 6**

1. Publications, 1965-1969 (cont.)
   * Hooker, A.L., and K.M.S. Saxena. 1967. Apparent reversal of dominance of a gene in corn for resistance to *Puccinia sorghi*. Phytopathology 57: 1372-1374.
   * Lim, S.M., J.D. Paxton, and A.L. Hooker. 1968. Phytoalexin production in corn resistant to *Helminthosporium turcicum*. Phytopathology 58: 720-721.
   * Wilkinson, D.R., and A.L. Hooker. 1968. Genetics of reaction to *Puccinia sorghi* in ten corn inbred lines from Africa and Europe. Phytopathology 58: 605-608.
   * Saxena, K.M.S., and A.L. Hooker. 1968. On the structure of a gene for disease resistance in maize. Proc. Nat. Acad. Sci. U.S. 61: 1300-1305.
   * Van Dyke, C.G., and A.L. Hooker. 1969. The Z reaction in corn to *Puccinia sorghi*. Phytopathology 59: 33-36.
   * Van Dyke, C.B., and A.L. Hooker. 1969. Ultrastructure of host and parasite in interactions of *Zea mays* with *Puccinia sorghi*. Phytopathology 59: 1934-1946.
   * Hooker, A.L. 1969. Widely based resistance to rust in corn. pp. 28-34. In Disease Consequences of Intensive and Extensive Culture of Field Crops-. Iowa Agriculture and Home Economics Experiment Station Special Report 64. 56 pp. J. Artie Browing (ed.).
2. Publications, 1970-1974

* Scheifele, G.L., A.L. Hooker, S.M. Lim, and D.R. Smith. 1970. Cytoplasmically inherited susceptibility to diseases as related to cytoplasmically controlled pollen sterility in maize. Proceedings Annu. Corn and Sorghum Research Conference 25: 110-138.
* Dubey, S.N., C.M. Brown, and A.L. Hooker. 1970. Inheritance of field reaction to soil-borne wheat mosaic virus. Crop Sci. 10: 93-95.
* Lim, S.M., A.L. Hooker, and J.D. Paxton. 1970. Isolation of phytoalexins from corn with monogenic resistance to *Helminthosporium turcicum*. Phytopathology 60: 1071-1075.
* Hooker, A.L., D.R. Smith, S.M. Lim, and J.D. Beckett. 1970. Reaction of corn seedlings with male-sterile cytoplasm to *Helminthosporium maydis*. Plant Dis. Reptr. 54: 708-712.
* Smith, D.R., A.L. Hooker, and S.M. Lim. 1970. Physiologic races of *Helminthosporium maydis*. Plant Dis. Reptr. 54: 819-822.
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**Box 6**

1. Publications, 1970-1974 (cont.)

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**Box 6**

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**Box 6**

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**Box 7: Oversized materials, 1980-1983**

1. Linkage map of maize, 1980
2. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982
3. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, October 1982
4. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, December 1982
5. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 1 of 2, March 1983
6. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics inbred line evaluation—SCA and GCA, RES 176, 2 of 2, March 1983
7. Pfizer Genetics statistical printouts: DeKalb-Pfizer Genetics disease rating profile, RES 185, May 1983

**Processing Notes:**

Secondary literature and duplicates were weeded. Publication citations were based on Arthur L. Hooker's 1987 CV. Added folder titles are indicated by [ ]. Processed by Olivia Hagedorn, under the supervision of Susanne Belovari, April 2018**.**