



## MG 123 - J.M. Pepper fonds

**Dates:** 1937-1993.

**Extent:** 2.32 m of textual records and other material

**Biography:** James M. Pepper was born 30 March 1920 in Morse, Saskatchewan. His family moved to Victoria, B.C. in 1930 where he attended high school. He received a B.A. and M.A. from the University of British Columbia in 1939 and 1941 and a Ph.D. from McGill University in 1943. Dr. Pepper joined the Department of Chemistry at the University of Saskatchewan in 1947 as an Associate Professor. He was promoted to Professor in 1955 serving as Department Head from 1970 until 1976. He retired in 1986. Dr. Pepper's research interests centred on wood chemistry. His specific research involved the isolation, structure and potential chemical utilization of the lignin component and liquefaction of wood as an alternative energy source. He passed away in 2003.

**Scope and content:** This fonds contains correspondence, clippings, photographs, reports, and notes pertaining to the activities and interests of J.M. Pepper.

**Arrangement:** This fonds has been organized into four series:

- I. Personal.
- II. University/teaching.
- III. Organizations/Conferences.
- IV. Research.

**Restrictions:** Personal information relating to identifiable individuals is restricted under conditions similar to those in the *Local Authority Freedom of Information and Protection of Privacy Act*. Please consult with the archivist.

**I. Personal.**

1. Correspondence.

A. General. - 1941-1991.

Folders in this file contain correspondence of a general nature and were originally filed as miscellaneous or as loose paper. The material has been brought together and sorted by date.

1941-1949.

1950-1955.

1956-1959.

1960-1965.

1966-1969.

1970-1978.

1981-1991.

B. Subject nominal.

Folders in this file contain correspondence of a specific nature or addressed to a specific individual. The bulk of the material is between Pepper and colleagues around the world regarding research and graduate students. It includes incoming and outgoing correspondence. Titles were supplied.

Alder, E. - 1956-1970.

American-Scandinavian Foundation. - 1954.

Arseneau, D.F. - 1962-1965.

Banerjee, S.K. - 1961-1962.

Bayliss, P.E.T. - 1957.

Bender, F. - Aspen Research. - 1971-1974.

Bland, D.E. - 1970-1972.

Brauns, F.E. - 1963-1964.

Casselman, B.W. - 1963-1965.

Chisholm, A. - 1948-1952.

Cox, L.A. (Talk to MacMillan Bloedel Nov 7-8 1968.). - 1968-1970.

Cram, W.W. - 1965.

Currie. - 1950-1954.

Druhan, D.J. - Patents. - 1951-1959.

Duff, G. - 1954-1955.

Eisenhauer, H.R. - 1949-1950.

Fleming, R. - 1966-1970.

Foster, R.E. (Forest Products). - 1966-1972.  
Gardner, J.A.F., - 1948-1966.  
Gorecki, E. - 1958-1959.  
Goring, D.A.I., - 1964.  
Hagerman, D.C. (Hydrogenation ). - 1951-1952.  
Howell, W.C. (Ph.D.) - 1951-1952.  
James, K.C. - 1965-1971.  
John Simon Guggenheim Memorial Foundation. - 1954.  
Kernan, J. - 1952-1970.  
Klemola, A. - 1967-1970.  
Lee, Y.W. - 1962-1981.  
Letters - Research. - 1961-1964.  
MacDonald, J. - 1951-1953.  
Manolopoulo, M. - 1959-1964.  
Manville, J.F. - 1967-1973.  
Marshall, H.B. (Dom Tar) - 1965-1972.  
McIvor, R.A. - 1949.  
McNamara. - 1953-1954.  
Merewether, J.W.T. - 1961-1962.  
Moir, R.Y. - 1954-1964.  
Mullord, D. J. - 1969-1974.  
Nimz, H. - 1969-1970.  
Pearl, I.A. - 1966-1968.  
Public Inquiries - General. - 1951-1954.  
Purves, C.B. - 1962.  
Rahman, Mohammad Dalilur. - 1982-1987.  
Redford, D.A. - 1963-1970.  
Review of Papers. - 1971-1972.

### **Box 3**

Robinson, B.P. (M.Sc, Research, Letters). - 1958-1964.  
Roy - Jibendra. - 1980-1988.  
Saha, J.G. - 1959-1966.  
Sarkanen, K. - 1970.  
Schubert, C. - 1970.  
Schucrch, W.J. - 1964.  
Shaede, E.A. - 1973.  
Siddiqueullah. M. - 1960-1973.  
Steck, W. - 1959-1963.  
Sudo, K. - 1981.  
Thelma Pepper. - 1996-1997.  
Includes material regarding Mrs Pepper's artistic endeavours.  
Towers, G.H.N. - 1963-1964.

Vetter, A.M. - 1965-1968.  
Werezak, G. - 1960-1965.  
Wood, P.D.S. - 1958-1966.

2. Articles by Pepper. - 1940-1986. - 2 folders.
3. Clippings. - 1951-1979.  
Regarding tree related research and economic trends in general and Pepper's aspen heating oil research specifically.

#### **Box 4**

4. Pepper C.V. - 1954.
5. Photographs/slides. - 1964-1976. - 19 photographs; 24 slides.  
Primarily staff and faculty of the Department of Chemistry. There is also a portrait of Dr. Pepper and two images of the U of S Chemistry Show.
6. Stamps. - 1945-1988.  
Stamps collected from correspondence from friends and colleagues. Countries include: Canada, the United States, Japan, Pakistan, India, Korea, Spain, France, Italy, Israel, Sweden and South Africa.
7. Chemistry musical libretto. - 1950.  
Music from the HMS Pinafore.
8. Chemistry humour. - 1967.  
Various cartoon and written chemical humour. Includes to copies of cartoon by Dr. Karl Kratzl of Vienna.
9. Masks by V.A. Vigfusson.. - [ca. 1942]. - 2 masks. (**see box 12**)  
Vigfusson was a member of the faculty of the Department of Chemistry from 1917 until his death in 1942. The masks were made by takings mouldings of the faces of subjects. See holes in the mouth for breathing. The subjects were Ken McCallum and Bill Schneider of the Chemistry Department.
10. Sketch by L.M. Gorvie. - nd. (**see oversize envelope**)  
Signed pencil sketch of a farmstead.

## **II. University/teaching.**

1. McGill Days. - 1940-1942.  
Exam, list of chemicals and biweekly reports.

2. McGill Lectures in Chemistry. - 1942-1943. - 7 folders.  
Notes.

**Box 5**

3. University of British Columbia. - 1943.  
Thesis report.
4. U of S course material.  
Contains notes, examinations, lists and course handouts. **Restricted:** Please consult with the archivist.
  - Chemistry 3. - 1955-1958. **Restricted**
  - Chemistry 5a. - 1954-1958.
  - Chemistry 50. - 1948-1958.
  - Chemistry 50a. - nd.
  - Chemistry 51. - 1948-1949.
  - Chemistry 78. - 1951-1959.
  - Chemistry 78.b. Part A. - 1949-1957.
  - Chemistry 78.b. Part B. - 1958-1962.
  - Chem 79c. - 1954-1963.
  - Chemistry 102.2. - 1968-1969.
  - Chemistry 103. - 1958-1960.
  - Chemistry 152a (U.V.). - nd.
  - Chemistry 155b. - 1953.
  - Chemistry 259. - 1962-1975.
  - Chemistry 355B (Dr. Mathews) - 1976-1977.
  - Chemistry 355B. - 1976-1977.
  - Chemistry 359a, 459a, 459b. - 1963-1969.
  - Chemistry 459B (Terpenoids). - 1965.
  - Chemistry 459B (Steroids). - nd.
  - Chemistry 459B (Flavonoids). - nd.

**Box 6**

- Chemistry 851 (Lignin). - nd.
- Chemistry 852A (Oxidation). - nd.
- Chemistry 852A - Mimeos. - nd.
- Chemistry 852B (Oxidation). - nd.
- Chemistry 852B (with Woods). - 1981-1982.
- Chemistry 851a, 852b, 853b. - 1952-1967.
- Qualifying Ph.D. Examination. - 1967-1979.
- Old examinations. - 1949-1958.
- SSCCS course. -1993.
- Energy show. - 1980-1984.

Misc teaching 35 mm slides. - nd. - 74 slides.  
Misc teaching lantern slides. - nd. - 2 folders. - 60 slides.  
Misc teaching negatives. - nd. - 34 35 mm; 17 4x5.  
Seminars. - 1947-1949.  
Student class evaluations. - 1971-1976.

**Box 7**

Student Record books. - 1941-1960. - 4 folders. **Restricted**

5. Departmental material.

Account book. - 1945-1953.  
Re. Department Head. - 1970-1982.  
Departmental Meetings. - 1951-1953.  
Departmental publications. - 1959-1980.  
Ph.D, M.Sc. Applicants Sup. Comm., 1952-1959.  
Programme Comm. Min. - 1959-1966.  
Includes poetry by Pepper re. Spinks and Chemistry.  
Re: Brief to Committee on Student Participation in University Government. - nd.  
Retreat - Emma Lake. - Aug. 1978.  
Spinks, J.W.T. 1937-1986. - 3 folders.  
Photographs, publications and clippings.

**Box 8**

Spinks Lecture binder. - 1976-1998. - 3 folders.  
Photographs, correspondence, publications and clippings.  
Spinks lecture tape. - 1985.  
Dr. Anderson.

6. Sabbatical. - 1976.

Part I.  
Part II.  
Leave report.

7. Seals. - nd.

Two brass University of Saskatchewan seals. One has a crown on it, other has the impression of word "secret" in its centre.

8. University of California - Berkley. - 1920.

Picture book.

**III. Organizations/Conferences.**

Contains correspondence, photographs, notes, travel documents and conference material including papers by Pepper and others.

1. British Association for the Advancement of Science. - 1909.  
Preliminary handbook of information.
2. Bioenergy R and D Seminar  
March 26-27 1980 Ottawa.  
March 24-25 1981.  
March 26-28 1984.
3. Canadian Pulp and Paper Association  
1958.  
Jan 1969.
4. Chemical Institute of Canada.  
Saskatoon. - 1966.  
Correspondence and conference material including 18 photographs.  
Saskatoon. - 1986.  
Correspondence and conference material including 14 photographs and 12  
contact prints.

**Box 9**

5. Expert's Meeting an Liquefaction. - 1982.
6. Lignin Symposium - Atlantic City. - 1965. - 8 slides; 4 negatives.
7. Organic Workshop - U of A. - August 28-29, 1980.
8. Winnipeg R and D Seminar. - March 1982.

**IV. Research.**

Correspondence, photographs, grant applications, reports and articles.

1. Advisory Committee on Lignin Research Project. - 1950-1954.
2. Analysis Anonymous. - 1971-1972.
3. Aromatic Dimer. - 1943-1944.
4. Biotechnology. - 1958-1985. - 3 photographs; 3 negatives.
5. Canadian Pulp and Paper Institute of Canada. - 1949-1966.
6. Department of Agriculture - Grant. - 1969-1970.

7. Dryden Paper. - 1965-1968.
8. Energy from the Forest (Enfor) Biomass Conversion Committee. - 1981-1987. - 6 photographs; 4 negatives. - 2 folders.
9. Forest Research Group (Campus). - 1971.
10. Forestry and Forest Products Research Institute - Japan. - 1978-1992.
11. Fundamental Research Committee.  
1949-1953.  
1954-1959.
12. Hydrogenation Apparatus. - 1947-1970.
13. Infrared articles. - 1953.
14. Isocyanates. - 1947.
15. Leather. - 1971-1972.
16. Lignin Round Table. - 1948-1950.
17. Lignin, Wood Plastic. - 1946-1957.
18. Lignin utilization. - 1956-1973.

**Box 10**

19. Lignite Tar. - 1957-1959.
20. Ludwig thesis (microfilm). - 1961.  
The high resolution nuclear magnetic resonance spectroscopy of compounds elated to lignite.
21. Mechanisms. - 1953-1966.
22. Methyl Vinyl Ketone. - 1945-1947.
23. National Research Council.  
1949-1951.  
Active.- 1965-1979.
24. NSERC. - 1978-1984.



25. Odour and Structure. - 1957-1962.
26. Oil from Aspen Poplar. - 1969-1988.
27. Organic Isocyanates, Diamines.... - 1967-1947.
28. Patent Application - Hibbert. - 1944-1946.
29. Podbielniak. Inc. - 1956-1958.
30. Pulp and Paper Magazine of Canada. - 1967.  
Centenary flashback to the year of the birth of Canada 1867.
31. Re. Pulping with  $\text{O}_2$ . - 1959-1961.
32. Redford's Papers. - 1970-1971.
33. Renewable Energy Bioenergy. - 1984-1986.
34. Research Assistance. - 1978-1979.
35. Research Ideas - General. - 1947-1966.

**Box 11**

36. Saskatchewan Research Council - 2 folders.  
1948-1954.  
1957-1962.
37. Shrinner and Fuson: Problems. - nd.
38. Spent Liquor Utilization of. - 1953.
39. Summer and Chalk River. - 1951.
40. Utilization of Wood Products and Straw. - 1947-1949.
41. Vitamin K Synthesis. - 1951.
42. Wheat Straw Project. - 1949-1964.

**Box 12**

**I. Personal.**

9. Masks by V.A. Vigfusson.. - [ca. 1942]. - 2 masks.

Vigfusson was a member of the faculty of the Department of Chemistry from 1917 until his death in 1942. The masks were made by takings mouldings of the faces of subjects. See holes in the mouth for breathing. The subjects were Ken McCallum and Bill Schneider of the Chemistry Department.