

# Computing Centre fonds

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Last revised May 2017

**\*\*\* Institutional records -- researcher access subject to review \*\*\***

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# Fonds Description

**Computing Centre fonds.** - 1954-1996.

8.04m of textual records.

70 photographs.

Cartographic material.

## **Administrative History**

In the autumn of 1955, President Norman Mackenzie appointed a Committee on Automation to investigate "the University's total interest in computers and automation in general". The Committee consisted of approximately 20 members representing most of the research interests on campus and was chaired by E.D. McPhee. At the Committee's first meeting on November 16, 1955, four sub-committees were formed: Departmental Interests and Specifications; Training and Curriculum: Type Equipment; and Library Needs and Resources. The Committee held several meetings and prepared a number of reports on various facets of computerization.

The University of British Columbia Computing Centre was established in the spring of 1957 with the installation of the ALWWAC III-E. Because of the ever-increasing demand for memory and speed, the Computing Centre eventually replaced the ALWAC with the IBM 1620 in 1961. The IBM 7040 was introduced in 1964 and IBM 360/67 and IBM 7044 was introduced in 1967. Over the years the Centre has continually upgraded its facilities to provide academic and administrative computing services to the University. The Computing Centre has also had several directors since its inception: J.M Kennedy, A.G. Fowler, and J.L. Leigh. In the 1990's, the Computing Centre went through many major changes both structurally and functionally.

## **Scope and Content**

The fonds consists of records that document the origins and establishment of the UBC Computing Centre as well as financial, technical, organizational, and administrative records. It includes the CIPS Sous-fonds, and twelve series: Early Computing Centre Series; Pre-1969 Series; 1969-1978 Series; Systems Hardware Operations Committee Series (SHOC); Software Committee Meetings; Manuals and Technical Information Series; UBC Computing Centre Newsletter Series; 1979-1989 Alphabetical Series; 1973-1996 Chronological Series; UBC Computing Centre Documentation Series; Miscellaneous Series; and Photograph Series.

## **Notes**

Fonds consists of institutional records – access requests must be reviewed by the University's FOIPOP Coordinator.

File list available.

Title based on the contents of the fonds.

Last two items in Box 24 were donated by Ed Chow in 2015. The remainder were acquired from the Computing Centre and UBC IT in various accruals.

## Sous-fonds Description

**Canadian Information Processing Society (CIPS) Sous-fonds.** - 1962-1978.

18.5cm of textual records.

The Canadian Information Processing Society is a national organization that has individual sections in major cities throughout the country. Each section has its own executive and elected members. CIPS' mission is to define and foster the IT profession, to encourage and support the IT practitioner, and to advance the theory and practice of IT, while safeguarding the public interest. Prior to 1965, CIPS was known as The Computing and Data Processing Society of Canada. The name was changed to The Computer Society of Canada. By 1968, The name had been officially changed to CIPS. J.M. Kennedy, the director of the Computing Centre at UBC from 1966 to 1979, was the president of CIPS from 1971 to 1972. The sous-fonds also includes materials related to the Northwest CIPS 1978 Conference, apparently collected by Jack Leigh, of the UBC Computing Centre, as well as proceedings from the North West '78 Conference.

The sous-fonds consists of constitutional amendments, board meetings, executive meeting file and correspondence made or received by CIPS, and some miscellaneous records that were created prior to the name changes. However, the majority of records originated from the time that Kennedy was the president of CIPS.

## Series Descriptions

**Early Computing Centre Series.** - 1954-1979.

80cm of textual records.

25 photographs.

The series consists of records that document the origins and establishment of the UBC Computing Centre. Most of the records, however, document the historical evolution of the administration and the operation of the Centre between the time of its opening and 1970. It includes information from the Automation Committee and material on the installation of the Centre's first computer, the ALWAC III-E.

Arrangement is based on the reconstruction of a file guide that was found among the records.

**Pre-1969 Series.** - 1957-1963.

15cm of textual records.

The series consists of various records that were created before 1969. It includes Computing Centre Committee Meeting Minutes, a Computing Centre Report, Budget Records, and a Progress Report.

**1969-1978 Series.** - 1969-1978.

1.90m of textual records.

The series consists of records pertaining to budgeting, committees, minutes of meetings, policies, major projects, and the Computing Centre's relationship with IBM. Subseries are: Correspondence, Financial, Internal Affairs, University Affairs, Committees, Academic Bodies, and Standing Committees. The Academic Bodies Subseries is comprised only of records of the Computer Science Department.

This series was previously arranged into the existing subseries by the Computing Centre as part of its filing system.

**Systems Hardware Operations Committee (SHOC) Series.** - 1972-1989.

30cm of textual records.

The series consists of minutes of SHOC meetings. Files from prior to 1975 contain more detail and various attachments.

**Software Committee Series.** - 1978-1984.

20cm of textual records.

The series consists of minutes of Software Committee meetings. Files prior to 1981 are detailed and contain various attachments.

**Manuals and Technical Information Series.** - [1957-1980].

16cm of textual records.

The series consists of manuals and other technical information that has been important for reference and use in the Computing Centre. This includes a manual for the IBM 7040/7044, CAI PLANIT, PLANIT Language Reference Manual, IBM 1620 information, MTS Accounting, and information about the 360/67, WATFOR and WATFIV software systems.

**UBC Computing Centre Newsletter Series.** - 1968-1986.

8cm of textual records.

The series consists of newsletters created by the Computing Centre that provide important information and major issues germane to the Computing Centre and its users at the time of publication. This series is not representative of all years between 1968 and 1986.

**1979-1989 Alphabetical Series.** - 1979-1989.

1.11m of textual records.

The series consists of reports, budgets, minutes of committee meetings, technical information, and other administrative and operational records of the computing centre. These records were apparently made or received by Jack L. Leigh who became the Director of the Computing Centre in 1987.

Arrangement of this series is roughly alphabetical and based on two partial file lists found within the records.

**1973-1996 Chronological Series.** - 1973-1996.

80cm of textual records and cartographic material.

The series consists of reports, budgets, minutes of committee meetings, technical information and other administrative and operational records of the computing centre. These records were made or received by Jack L. Leigh who became the Director of the Computing Centre in 1987. This series of records appears to be a continuation of the previous series; however, it is a separate series by virtue of its arrangement.

Arrangement of this series is chronological.

**UBC Computing Centre Documentation Series** - 1965-1991.

1.95 m of textual records.

The series consists of documents produced by the UBC Computing Centre. The series includes a number of guides produced by the UBC Computing Centre from 1972-1990 which offer both a keyword index and a bibliography of the documents produced by the UBC Computing Centre. The series also includes a number of technical notes that amended the documentation produced by the UBC Computing Centre.

Arrangement of this series begins with UBC Computing Centre Documentation Guides and is subsequently alphabetically arranged. The arrangement was reconstructed by the filing system established by the UBC Computing Centre.

**Miscellaneous Series** - 1972-1989.

40.5cm of textual records.

The series consists mainly of miscellaneous reports, projects, minutes, course support documents and manuals used or produced by the UBC Computing Centre. It includes subject files collected or retained by Jack Leigh.

Arrangement of this series follows the subject arrangement created or implemented by Jack Leigh of the UBC Computing Centre.

**Photograph Series.** - [n.d.].

45 b&w photographs of various sizes.

The series consists of various photographs of the Computing Centre and related individuals. The majority of photographs are situated in the Computing Centre; however, some depict individuals outdoors. In addition to individuals and the Centre, itself, some photographs are of computers, printers, processors, and other equipment. These photographs appear to have been used in a display because several of them have been cropped.



# File List

## BOX 1

### EARLY COMPUTING CENTRE SERIES

- 1-1 File Guide (1959)
- 1-2 A.C.M. (Association for Computing Machinery) - Correspondence (1957-1977), 9 items.
- 1-3 Acknowledgements - Correspondence, copies of theses, etc. (1958-1960), 3 items. Correspondence, notes
- 1-4 ALWAC Corporation - Contracts (1958, n.d.), 5 items. Contracts, invoices
- 1-5 ALWAC Corporation - Correspondence (1956-1961, n.d.), 1.75 cm
- 1-6 ALWAC Corporation - Flexowriters (1957-1958, n.d.), 13 items. Correspondence
- 1-7 ALWAC Corporation - High-speed Reader (1957-1960), 19 items. Correspondence
- 1-8 ALWAC Corporation - Technical Informtion (1956-1957, n.d.), .5 cm.
- 1-9 ALWAC Corporations - 800 - Technical Information (n.d.), 5 items.
- 1-10 ALWAC Owners - ADB (Sweden) plus Autostatik (1957-1961), .25 cm. Correspondence.
- 1-11 ALWAC Owners - Oregon State College (Lonseth, Dubinsky) (1957-1962), 1.5 cm. Correspondence.
- 1-12 ALWAC Owners - User's Association (1957-1962, n.d.), 1.5 cm. Correspondence, newsletters.
- 1-13 Automation Committee [Historical Material] - Minutes, reports (1955-1957, n.d.), .25 cm.
- 1-14/15 Automation Committee - Correspondence, recommendations, etc. (1955-1957, n.d.), 3 cm.
- 1-16 Budget - Preliminary budgets (1956-1960, n.d.), 14 items.
- 1-17 Budget - Estimates (1955-1976), 1.25 cm.

## BOX 2

- 2-1 Building and Grounds (1959-1968), .25 cm. Correspondence, estimate forms.
- 2-2 Computing and data Processing Society of Canada (1957-1960, n.d.), .5 cm. Correspondence, minutes.
- 2-3 Computing Centre Committee (1959-1964), .5 cm. Minutes
- 2-4/5 Correspondence - General [Administration - Computing Centre, 1954-1965], (1954, 1957-1978), 2 cm.
- 2-6 Courses (1958-1978, n.d.), .5 cm. Lists of students, announcements, lectures.

- 2-7 Demonstrations (n.d.), 1 item. Computing Centre tour.
- 2-8 Grants (1960-1965), .25 cm. Correspondence, forms.
- 2-9 IBM (1) (1976/77), 1.75 cm. Brochures
- 2-10 IBM (2) (1968-1971), 1.5 cm. Papers
- 2-11 Miscellaneous - Odds and Ends (1957-1965, n.d.), 1 cm. Notices, memoranda, photographs.
- 2-12 Monthly Reports (1958-1964, n.d.), .5 cm.
- 2-13 Monthly Reports - Summaries (1958/59), 2 items.

BOX 3

- 3-1/6 Monthly Reports - Daily Logs (1957-1962), 14 cm.

BOX 4

- 4-1/5 Monthly Reports - Daily Schedules (1957-1960), 14 cm.

BOX 5

- 5-1 Monthly Reports - Computer reservations and uses (1957), 1.5 cm.
- 5-2/5 Monthly Reports - Distribution of machine time 91959-1960), 3 cm.
- 5-6 Monthly Reports - Drafts (1959-1960, n.d.), 16 items.
- 5-7 Non-University Clientele - Fisheries Research Board - Technological Station [UBC Campus] (1960), 2 items.
- 5-8 Non-University Clientele - A.B. Sanderson and Co. Ltd. (1957-1959), 13 items. Correspondence, accounts.
- 5-9 Non-University Clientele - Surveys and Mapping Branch [Prov. Gov't] (1957/58), 5 items. Correspondence
- 5-10 Non-University Clientele - Underhill and Underhill (1958/59), 9 items. Correspondence
- 5-11 Personnel - Appointment Notices (1957-1963), .5 cm.
- 5-12 Personnel - Correspondence 91957-1969, n.d.), .5 cm.
- 5-13 Photographs (n.d.), 25 items.
- 5-14 Press Clippings (163-1969, n.d.), .25 cm.
- 5-15 S.I.A.M. (Science and Industry Advance with Mathematics) - Correspondence (1957), 3 items.
- 5-16 Start of the Computer Science Department (1966-1968), .25 cm. Correspondence, reports.
- 5-17 Statistical Centre for the Social Sciences (project) (1963/64), 4 items. Reports, correspondence.

5-18 UBC Computing Centre User's Manual (1967, 1979), 2 items

BOX 6

6-1 ALWAC Sub-routines specifications (1957-1960), 5.5 cm.

BOX 7

1969-1978 SERIES

A. Correspondence

- 7-1 A.2 Correspondence IBM 1960-1963.
- 7-2 A.2 IBM Canad Ltd. 1972-1973.
- 7-3 A.2a IBM 1974-1975.
- 7-4 A.2a IBM Fellowship 1972-1973.
- 7-5 IBM/UBC Meetings 1972-1974.
- 7-6 IBM Monthly Meeting File [1974].
- 7-7 A.2a IBM Minutes of Monthly Meetings 1974-1975.
- 7-6 A.3 IBM 1973-1974.
- 7-7 A.4 IBM 1969-1970.
- 7-8 A.4 IBM 1970-1971.
- 7-9 A.4 IBM Fellowdhip 1973-1974.
- 7-10 A.4a IBM Computing Centre Grant 1970-1971.
- 7-11 IBM Contracts 1985.
- 7-12 Canuet Design Workshop 1973.
- 7-12.1 Correspondence Canuet 1974.
- 7-12.2 A.6 Canuet - Steering Committee 1972-1973.
- 7-12.3 A.6a Canuet - Network Design 1972-1973.
- 7-12.4 Canuet Network Access Faciltlity 1973.
- 7-13 A.6b Canuet Grant 1972-1973.
- 7-14 A.6c Canuet Network Traffic Study 1972-1973.
- 7-15 A.6d Canuet General 1972-1973.
- 7-15.1 A.7 Canuet - Prior to August 1971.
- 7.15.2 A.7 Research Administration - Spratley 1974-1975.
- 7.15.3 A.7a Canuet - Minutes of Steering Committee 1971-1972.
- 7.15.4 A.7b Canuet Correspondence 1971-1972.
- 7-16 A.8 Canuet General 1973-1974.
- 7-17 A.9 Research Administration R.D. Spratley 1972-1973.

7-18 A.9 Canuet 1973-1974.

### C. Financial

7-18 C.2 Budget 1969-1970, 1970-1971.  
7-19 C.2 Budget 1970-1971, 1971-1972.  
7-20 C.3 NRC - Block Grant 1969-1970.  
7-21 C.3 NRC - Block Grant 1970-1971.  
7-22 C.3 Budget 1974-1975.  
7-23 C.4 NRC Operating Grant 1970-1971.  
7-24 C.5 IBM Contracts 1972-1973.  
7-25 C.5 IBM Contracts 1973-1974.  
7-26 C.5 IBM Contracts 1974-1975.  
7-27 C.6 Budgets Previous Years 1965-?  
7-28 1977 Budget  
7-29 Shaw/White [proposed computer replacement] 1978.  
7-30 C.6 Contracts IBM 1977-78.

### BOX 8

#### D. Computing Centre Internal Affairs

8-1 D.2 C.C. Consumption of CC\$ 1972-1973.  
8-2 D.2 C.C. Consumption of CC\$ 1973-1974.  
8-3 D.2 C.C. Consumption of CC\$ 1974-1975.  
8-4 D.2 C.C. Consumption of CC\$ 1977-1978.  
8-5 Senior Staff Meetings 1970.  
8-6 Senior Staff Meetings 1971.  
8-7 Senior Staff Meetings 1972.  
8-8 Senior Staff Meetings 1972-1973 (A).  
8-9 Senior Staff Meetings 1972-1973 (B).  
8-10 Senior Staff Meetings 1972-1973 (C).  
8-11 Senior Staff Meetings 1973-1974 (A).  
8-12 Senior Staff Meetings 1973-1974 (B).  
8-13 Senior Staff Meetings 1973-1974 (C).  
8-14 D.3 Senior Staff Meetings 1974-1975.  
8-15 D.3 Senior Staff Meetings 1977-1978 (A).  
8-16 Senior Staff Meetings 1977-1978 (B).  
8-17 Senior Staff Meetings 1977-1978 (C).  
8-18 D.6 Centre Space Priorities 1977-1978.

- 8-19 D.7 Systems and Operations Committee 1972-1973.
- 8-20 D.7 Space Priorities 1974-1975.
- 8-21 D.7 Major Projects [Priorities] 1977-1978.

## BOX 9

### E. University Affairs

- 9-1 E.1 Policy - General 1969-1970.
- 9-2 E.1 Policy - General 1970-1971.
- 9-3 E.2 Buildings and Space 1972-1973.
- 9-4 E.2 Buildings and Space 1973-1974.
- 9-5 Computing Centre Space Needs 1974.
- 9-6 E.5 Building and Space 1969-1970.
- 9-7 E.5 Building and Space 1970-1971.
- 9-8 Space 1985.
- 9-9 CC\$ 1970-1971.
- 9-10 CC\$ Requests 1971-1972.
- 9-11 E.5 Application for CC\$ 1972-1973.
- 9-12 E.5 Application for CC\$ 1973-1974.
- 9-13 E.5a Conversion of Hydraulics Laboratory 1971-?
- 9-14 E.5a Responses to Application for CC\$ 1973-1974.
- 9-15 E.6 Senior Staff Meetings 1970-1971.
- 9-16 E.6 Correspondence re. CC\$ 1973-1974.
- 9-17 E.7 Senior Staff Meetings 1969-1970.
- 9-18 E.7 Policy 1972-1973.
- 9-19 E.7 Policy 1973-1974.
- 9-20 E.8 CC\$ Budget 1970-1971.
- 9-20 Users Committee 1970.
- 9-22 E.8 Users Committee 1972-1973.
- 9-23 E.8 Users Committee 1973-1974.

## BOX 10

- 10-1 E.2 Buildings and Space 1974-1975.
- 10-2 E.4 Application for CC\$ 1974-1975.
- 10-3 E.5 Correspondence Re. CC\$ 1974-1975.
- 10-4 E.5 Correspondence Re. CC\$ 1977-1978.
- 10-5 E.6 Responses to Applications for CC\$ 1974-1975.
- 10-6 E.7 Policy 1974-1975.

- 10-7 E.7 Policy 1977-1978.
- 10-8 C.C. Users Committee 1967-1973.
- 10-9 C.C. Users Committee 1973-1978.
- 10-10 E.8 C.C. Users Committee 1974-1975.
- 10-11 E.8 C.C. Users Committee 1977-1978.
- 10-12 E.14 Pres. Advisory Committee on Information Systems 1977-1978.
- 10-13 E.15 Review of Computing Requirements 1977-1978.
- 10-14 E.16 The Agency 1977-1978.
- 10-15 Background on CC\$ Policy 1978.

#### F. Committees

- 10-16 F.1 NRC - Associate Committee on Computers 1969-1970.
- 10-17 F.4 360 Users Committee 1969-1970.
- 10-18 F.7 Advisory Committee on C.C. 1969-1970.
- 10-19 F.7 Advisory Committee on C.C. 1970-1971.
- 10-20 F.7a Advisory Committee - charging for computing services 1970.
- 10-21 F.9 Subcommittee on Computer Budgeting 1969-1970.
- 10-22 F.9 Subcommittee on Computer Budgeting 1970-1971.
- 10-23 F.15 NRC - Grant Selection committee for Computer Facilities 1969-1970
- 10-24 Advisory Committee on C.C. - Working Papers 1968.

#### BOX 11

#### G. Academic Bodies

- 11-1 Staff meetings 1969.
- 11-2 Student - faculty meetings 1969.
- 11-3 Department of Computer Science 1969-1970.
- 11-4 G.1 Department of Computer Science 1973-1974.
- 11-5 Department of Computer Science 1973-1974.
- 11-6 Minutes - Computer Science Department 1973-1974.
- 11-7 G.1 Computer Science Department 1974-1975.
- 11-8 Computer Science Department 1977-1978.
- 11-9 G.1a Department Computer Science New Faculty 1974-1975.
- 11-10 G.1b Department Computer Science Promotions and Tenure 1974-1975.
- 11-11 G.2 Computer Science New Faculty 1977-1978.
- 11-12 G.2a Computer Science Department Minutes 1977-1978.

## H. Standing Committees

- 11-13 NSERC Computer Advisory Committee.
- 11-14 H.1 Advisory Committee on C.C. 1973-1974.
- 11-15 H.1 Advisory Committee on C.C. 1974-1975.
- 11-16 H.1 Advisory Committee on C.C. 1977-1978.
- 11-17 H.2 Dean's Subcommittee on Computer Budgeting 1977-1978.
- 11-18 H.6 Dean's Subcommittee on Computer Budgeting 1973-1974.

## BOX 12

### CANADIAN INFORMATION PROCESSING SOCIETY (CIPS) SOUS FONDS

- 12-1 Constitutional Amendments.
- 12-2 Board Meetings 1968-1969.
- 12-3 Board Meetings 1969-1970.
- 12-4 Board Meetings 1970-1971.
- 12-5 Board Meetings 1971-1972.
- 12-6 Accreditation 1971-1972.
- 12-7 Computing and Data Processing Society of Canada 1962-1963.
- 12-8 Executive Meeting File 1965.
- 12-9 Correspondence Executive.
- 12-10 Monthly Publication May 1970.

### [Continuation of Canadian Information Processing Society \(CIPS\) Sous Fonds](#)

## PRE-1969 SERIES

- 12-11 Progress Report March 1957-May 1959.
- 12-12 Computing Centre Committee [members, meetings, correspondence] 1959.
- 12-13 Computing Centre Committee 1959-1962.
- 12-14 Computing Centre Report October 1960.
- 12-15 Budget up to 1962-1963.

## BOX 13

### SYSTEMS HARDWARE OPERATIONS COMMITTEE (SHOC) SERIES

- 13-1 SHOC Meetings April-June 1972.
- 13-2 SHOC Meetings July-Dec 1972 (A).
- 13-3 SHOC Meetings July-Dec 1972 (B).
- 13-4 SHOC Meetings Jan-June 1973.
- 13-5 SHOC Meetings July-Dec 1973.
- 13-4 SHOC Meetings Jan-May 1974.
- 13-5 SHOC Meetings 1974.
- 13-6 SHOC Meetings 1975.
- 13-7 SHOC Meetings 1976-1977.
- 13-8 SHOC Meetings 1978-1979.
- 13-9 SHOC Meetings 1980-1982.
- 13-10 SHOC Meetings 1983-1985.
- 13-11 SHOC Meetings 1986-1987.

### [Continuation of System Hardware Operations Committee \(SHOC\) series](#)

### MANUALS AND TECHNICAL INFORMATION SERIES

- 13-12 1620 Users Group Newsletter.
- 13-13 IBM Main Equipment.
- 13-14 IBM Peripheral Equipment.
- 13-15 Optical Mark Reader.
- 13-16 360/67 Printers.
- 13-17 Search List Instruction.
- 13-18 PL360 Compiler.
- 13-19 GIS.
- 13-20 Software Systems 360/367.
- 13-21 Software Systems WATFOR and WATFIV.
- 13-22 MTS Accounting.
- 13-23 IBM 7040/7044 Manual (A).
- 13-24 IBM 7040/7044 Manual (B).
- 13-25 CAI PLANIT.
- 13-26 PLANIT Language Reference Manual.
- 13-27 ICU System Installation Manual and System Program Generator.



- 13-28 IBM 1620 - System Configuration  
Fortran II Specifications Symbolic Programming System
- 13-29 Miscellaneous Manuals 1971-1973.
- 13-30 Miscellaneous Manuals 1974-1976.

#### BOX 14

#### SOFTWARE COMMITTEE SERIES

- 14-1 Software Committee Meetings 1978 (A).
- 14-2 Software Committee Meetings 1978 (B).
- 14-3 Software Committee Meetings 1979 (A).
- 14-4 Software Committee Meetings 1979 (B).
- 14-5 Software Committee Meetings 1979 (C).
- 14-6 Software Committee Meetings 1980 (A).
- 14-7 Software Committee Meetings 1980 (B).
- 14-8 Software Committee Meetings 1981.
- 14-9 Software Committee Meetings 1982.
- 14-10 Software Committee Meetings Dec 1982 - Dec 1983.
- 14-11 Software Committee Meetings 1983-1984.
- 14-12 Software Committee Meetings 1985-1986.

#### UBC COMPUTING CENTRE NEWSLETTER SERIES

- 14-13 UBC Computing Centre Newsletter Oct 1968 – Dec. 1970.
- 14-14 UBC Computing Centre Newsletter March 1971 – Dec. 1972.
- 14-15 UBC Computing Centre Newsletter Jan. 1973 – Dec. 1974.
- 14-16 UBC Computing Centre Newsletter Jan. 1975 – Dec. 1976.
- 14-17 UBC Computing Centre Newsletter Jan. 1977 – Dec. 1978
- 14-18 UBC Computing Centre Newsletter Jan 1979 - Mar 1981.
- 14-19 UBC Computing Centre Newsletter 1983-1984.
- 14-20 UBC Computing Centre Newsletter 1985 - July 1986.

#### BOX 15

#### 1979-1989 ALPHABETICAL SERIES

- 15-1 AMDAHL 1979-1986.

- 15-2 ASPEN 1981-1984.
- 15-3 Audio/Visual Services 1981-1982.
- 15-4 Budget 1981-1982.
- 15-5 Budget 1982-1983.
- 15-6 Budget 1983-1984.
- 15-7 Budget 1984-1985.
- 15-8 Budget 1985-1986.
- 15-9 CC\$ 1981-1985.
- 15-10 Communications from Dec 1/83 1983-1986.
- 15-11 Communications from 1981 1981-1984.
- 15-12 Computer Science [information regarding relationship between Computing Centre and Computer Science Department] 1981-1986.

#### BOX 16

- 16-1 Development projects 1981.
- 16-2 Director's Office 1987-1988.
- 16-3 Education Computing Committee 1986-1987.
- 16-4 Internal Audit 1979-1982.
- 16-5 ISC [Information Systems Committee] 1979-1980.
- 16-6 History - Computing Centre [1957-1986].
- 16-7 IBM/UBC Meetings 1979-1985.
- 16-8 Instructional System AMDAHL 470 v/6 1982-1983.
- 16-9 Finance Operations Centre Committee 1980-1982.
- 16-10 Operations System 1981-1984.
- 16-11 Physical Planning [includes blueprints] 1978-1982.
- 16-12 President's Permanent Committee 1979-1984.
- 16-13 Systems Group Reports 1979-1984.
- 16-14 UNIX [1980-1982].
- 16-15 Users Committee 1979-1987.

#### [Continuation of Alphabetical Series](#)

#### BOX 17

##### 1973-1996 CHRONOLOGICAL SERIES

- 17-1 Plans and Information for the Chilled Water System 1973.
- 17-2 MTS Workshop at UBC Computing Centre May 13-17, 1974.
- 17-3 BC Universities Network Feasibility Study 1976.

- 17-4 Organization of the Computing Centre [by Leigh] 1981.
- 17-5 IBM Reference Large Scale Computing Contracts and Correspondence 1982-1992 (A).
- 17-6 IBM Reference Large Scale Computing Contracts and Correspondence 1982-1992 (B).
- 17-7 IBM Reference Large Scale Computing Contracts and Correspondence 1982-1992 (C).
- 17-8 IBM Reference Large Scale Computing Contracts and Correspondence 1982-1992 (D).
- 17-9 Service Improvement Options 1984.
- 17-10 ISM 1984-1985.
- 17-11 Central Computing Systems Proposal 1985.
- 17-12 ISM Plan 1985.
- 17-13 MVS etc. 1985.
- 17-14 UBC Central Computing Systems - Requests for Proposals 1985.
- 17-15 Excellence Fund Proposals 1985-1986.
- 17-16 Budget 1986-1987.
- 17-17 CC Proposals for Campus Computing [draft] 1987.
- 17-18 Network Talks 1987.
- 17-19 Operating Budget 1987-1988.
- 17-20 Operating Budget 1988-1989.
- 17-21 Operating Budget 1989-1990.
- 17-22 UCS Talks [re. organization of centre] 1990.
- 17-23 Operating Budget 1990-1991.

#### BOX 18

- 18-1 Report of the Task Force on Data Networking 1990-1992.
- 18-2 Task Force on Data Networking 1991.
- 18-3 IBM/UBC 1991-1992.
- 18-4 Operating Budget 1991-1992.
- 18-5 Connect 1991-1993.
- 18-6 IBM 3090/200 1991-1993.
- 18-7 Operational Services 1991-1994.
- 18-8 CA\*net 1992.
- 18-9 Proposals: Fibre and UNIX 1992.
- 18-10 SIS [Student Information System] Evaluation 1992.
- 18-11 IHRIS 1992-1993.
- 18-12 Operating Budget 1992-1993.
- 18-13 Connect 1991-1993.

- 18-14 Network Planning 1992-1994.
- 18-15 Review of UCS Technical Services 1993.
- 18-16 UCS Five Year Plan 1996.

BOX 19

SYSTEMS HARDWARE OPERATIONS COMMITTEE (SHOC) SERIES (continued)

- 19-1 SHOC Meetings April-Dec. 1972. [2 folders]
- 19-2 SHOC Meetings Jan. 1987-Nov. 1989. [2 folders]

CANADIAN INFORMATION PROCESSING SOCIETY (CIPS) SOUS FONDS  
(continued)

- 19-3 North West CIPS '76 ACM/CIPS Pacific Regional Symposium Proceedings 1976.
- 19-4 Northwest CIPS 1978 Conference 1977-1978. [2 folders]

1979-1989 ALPHABETICAL SERIES (continued)

- 19-5 [Partial list of files previously taped to file box from UBC Computing Centre N.D.]
- 19-6 Memo – Computer Charging Subcommittee of the Campus Advisory Board on Computing 1987.
- 19-7 Minutes – Bell Technical Services Oct 1985-Dec 1989. [2 folders]
- 19-8 Minutes – CC / Computer Science Liaison Committee Oct 1986.
- 19-9 Minutes – CC/ISM Aug 1988-Dec 1989.
- 19-10 Minutes – Campus Advisory Board on Computing March 1987-Nov. 1989
- 19-11 Minutes – Computer Products Advisory Committee Sept 1987-Feb 1988.
- 19-12 Minutes – Floating Point Systems Dec 1987-Feb 1989.
- 19-13 Minutes – IBM Aug 1988-Dec. 1989. [2 folders]
- 19-14 Minutes – Library / Computing Centre Sept 1986-Jan 1987.
- 19-15 Minutes – NAS Feb 1987-Nov 1989. [3 folders]
- 19-16 Minutes – President's Committee March 1985-Jan 1986.
- 19-17 Minutes – Supercomputer Subcommittee March 1987 – Oct 1987.
- 19-18 Minutes – Xerox Oct 1987-Dec 1987. [2 folders]

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- 20-1 Computing Centre Account Codes 1986-1989.
- 20-2 Computing Centre Bulletin Sept 1986-Dec 1989
- 20-3 Guide to Reviewers April 1988-June 1988.
- 20-4 Manual of Policies and Procedures July 1977-Aug 1989.
- 20-5 Operations Status Report May 1986-Jan 1989.
- 20-6 Telephone Analysis 1989.

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- 20-7 UBC Documentation - A Guide to Documentation Produced by the UBC Computing Centre 1972-1990. [4 folders]
- 20-8 DATA CELL - Preliminary Information on Using the Data Cell 1970.
- 20-9 UBC BMD05R - Polynomial Regression 1971-1978.
- 20-10 UBC BMD06M - Canonical Analysis 1971-1977.
- 20-11 UBC BMD07D - Description of Strata with Histograms 1971-1976.
- 20-12 UBC BMD07R - Non-Linear Least Squares 1976-1979.
- 20-13 UBC BMD08V - Analysis of Variance 1970-1978.
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- 20-31 UBC CEIGN - Eigenvalues and Eigenvectors of a Complex Matrix 1972

- 20-32 UBC CENSUS - Canadian Census Users Summary Tapes 1977.
- 20-33 UBC CG - Preconditioned Conjugate Gradient Solution of Sparse Linear Systems of Equations 1980.
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- 20-35 UBC CHEB - Discrete Chebychev Curve Fit 1973.

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- 21-1 UBC CHKPAR - FORTRAN Parameter Check Routine 1976.
- 21-2 UBC CHOL - Choleski Method for the Solution of Linear Equations with Large Banded Matrices 1982.
- 21-3 UBC CHOLX - Out of Core Choleski Method for Large Symmetric Matrices with Variable Bandwidth 1975.
- 21-4 UBC CJDATE - Processing of Calendar and Julian Dates 1969.
- 21-5 UBC CLIP - Clipping of Two and Three-Dimensional Objects 1972-1975.
- 21-6 UBC CNTOUR - Contouring a Grid 1969-1978.
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- 21-8 UBC COSIM - Integration using Simpson's Rule with Error Control 1969.
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- 21-11 UBC COURSEWRITER - MTS Coursewriter Manual 1974-1976.
- 21-12 UBC CPOLY - Zeros of Polynomials with Real or Complex Coefficients 1971-1973.
- 21-13 UBC CREPLY - Determining if a User is at a Terminal 1973.
- 21-14 UBC CRE8 - A file Creation Routine 1971.
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- 21-24 UBC DE - Solution of Ordinary Differential Equations with Refined Error Control 1974.
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21-49 UBC FAKEOS - OS - MTS Interface Routine 1972.

21-50 UBC FAN - Factor Analysis 1971-1976.

21-51 UBC FBAND - Fast Choleski Method for the Solution of Banded Systems of Linear Equations 1971-1982.

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21-53 UBC FERMI - Fermi Function 1966.

21-54 UBC FFIO - Free-Format Input/Output Routines 1981-1983.

21-55 UBC FFT - Faster Fourier Transforms for Real Data May 1979.

21-56 UBC FFT9 - [Solution of Helmholtz or Poisson Elliptic PDE] Aug. 1982.

21-57 UBC FGAU - Function Subprograms for Gaussian Quadrature 1970-1976.

21-58 UBC FILES - A Program to List the Names of Your Private Files 1971.

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21-60 UBC FIOL - FORTRAN Input/Output with MTS Line Files 1972.

21-61 UBC FIT - Test for Goodness of Fit 1970-1990.

- 21-62 UBC FITPACK - Curve and Surface Fitting to Splines Under Tension April 1996.
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- 22-1 UBC FMTBASIC - A Basic Users' Guide to FMT 1976-1982. [2 folders]
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- 22-26 UBC NA Survey - A Survey of Documentation for Software in Numerical Analysis and Operations Research 1982-1989.
- 22-27 UBC NETWORK - Network Calls out from and in to MTS 1981-1990.



- 22-28 UBC NEWSSCREEN - Converting to the New Screen Support Routines 1985-1990.
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- 23-1 UBC NORMAL - Random Number Generator for a Multivariate Normal Distribution 1970-1990.
- 23-2 UBC NORMIT - Normit Analysis 1975-1990.
- 23-3 UBC NSPIV - A Gaussian Elimination Routine for Non-Symmetric Sparse Matrices 1978.
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- 23-5 UBC ODEPACK - A Systemized Collection of Ode Solvers 1989.
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- 23-7 UBC ORTHO - Gram-Schmidt Orthogonalization 1979-1988.
- 23-8 UBC MVTAB - Multivariate Contingency Tabulations 1970.
- 23-9 UBC P APPENDIX - Using BMDP Programs at UBC 1976-1990.
- 23-10 UBC PAIRC - Means, Standard Deviations and T-Test for Paired Comparisons 1969-1981.
- 23-11 UBC PAPER TAPE - Paper Tape User's Guide 1972-1980.
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- 23-13 UBC PASCAL TIDY - Program to Tidy Pascal Source Code 1983.
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- 23-15 UBC PDECOL - The Solution of Partial Differential Equations in One Spatial Dimension 1978-1986.
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- 23-19 TN (Technical Note) 1-9; 11-32; 34-40 [missing TN 10 and 33. Note that the Technical Notes were originally arranged in individual folders by the UBC Computing Centre.] 1973-1975.
- 23-20 TN (Technical Note) 40; 42-56; 58-71 [missing TN 41 and 57. Note that the Technical Notes were originally arranged in individual folders by the UBC Computing Centre.] 1975-1976.
- 23-21 TN (Technical Note) 72-99 [Note that the Technical Notes were originally arranged in individual folders by the UBC Computing Centre.] 1976-1977.

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- 24-1 Request for Quotation [from IBM] March 1978.  
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24-3 Mr. Jack Leigh, UBC Nov. 29, 1978.  
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24-12 University of British Columbia Operations Review. 1978.  
24-13 Association for the Development of Computer-Based Instructional Systems. 1982.

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- 24-14 UBC TERMINALS – The MTS Terminal User's Guide February 1978.

24-15 UBC MTS INTRODUCTION – An Introduction to MTS August 1979.

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- 25-1 Current Writeups [on UBC Documentation] 1975.
- 25-2 UBC - ACT Analysis of Contingency Tables 1975.
- 25-3 UBC - AGPLOT Plotting A Picture Displayed at the Adage Graphics Terminal  
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- 25-4 UBC - AGT Operator's Manual for the Adage Graphics Terminal 1973.
- 25-5 UBC ALGOL ALGOL-60 in MTS 1977.
- 25-6 UBC ALFI - ALGOL-Fortran Interface 1976.
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- 25-9 UBC ANOVAR - Analysis of Variance and Co-variance 1976-1977.
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- 25-15 UBC BMD01T - Amplitude and Phase Analysis 1973.
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- 25-18 UBC BMD02V - Analysis of Variance for Factorial Design 1977.
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- 25-26 UBC BMDP3R - Nonlinear Regression 1975.
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- 25-29 UBC CGROUP - Hierarchal Grouping Analysis with Optional Contiguity  
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- 26-1 UBC FBAND - Fast Choleski Method for the Solution of Banded Systems of  
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- 26-15 UBC GPSSV - General Purpose Simulation System V 1975.
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- 26-18 UBC HISTGM - Plotting Histograms on the Printer 1973.
- 26-19 UBC HVAR - Bartlett's Test for Homogeneity of Variance 1974.

- 26-20 UBC IDENT - Identifying System-Significant Character Strings 1975.
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- 27-5 UBC LIP - A Linear Programming Package 1977-1980.
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- 27-8 UBC LOGCP - Functions for Logical Bit Manipulation in Fortran G Programs 1977.
- 27-9 UBC MAIL - The MTS Mailbox Facility 1973-1978.
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- 27-11 UBC MATRIX A Guide to Solving Matrix Problems 1975-1979.
- 27-12 UBC MCP - MCP Communications for Microcomputers 1983-1984.
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- 27-17 UBC MTS INTRODUCTION - An Introduction to MTS 1980.
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- 28-14 UBC SFRP - Small Free-Format Regression Package 1976.
- 28-15 UBC SHAZAM An Econometrics Computer Program 1977-1982.
- 28-16 UBC SIMCORT - Calculation of Means of Standard Deviations of Simple Correlation Coefficients of and T-Tests for Variables with Some Missing Data Values 1976.
- 28-17 UBC SLTEST - Equality of Slope Test 1976-1980.
- 28-18 UBC SNOBOL - The SNOBOL4 Compiler 1974.
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- 29-3 UBC SYMSOL - Solution of a System of Linear Equations whose Matrix is Symmetric of Positive-Definite and Stored by Row 1977-1980.
- 29-4 UBC TAPE - Magnetic Tape User's Guide 1975-1980.
- 29-5 UBC TAPEASY - Magnetic Tape Handling Made Easy 1980-1982.
- 29-6 UBC TEK BASIC - The Tektronic Storage Scope 1977.
- 29-7 UBC TERMINALS - The MTS Terminal User's Guide 1977.
- 29-8 UBC TETRA - Tetrahoric-Correlations 1970.
- 29-9 UBC THESIS - A Guide to Producing Theses by Computer 1978.
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- 29-11 UBC TRAN - The Transportation Problem 1979.
- 29-12 UBC TRANS - Trans 1977.
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- 29-14 UBC TRP - Triangular Regression Package 1977.
- 29-15 UBC TSP - Time Series Processor 1974.
- 29-16 UBC UPP - Utah Pert Plot Program 1974-1977.
- 29-17 UBC WATFIV - The WATFIV FORTRAN Compiler 1976-1977.
- 29-18 UBC XEROX 9700 - The Page Printer Version 2.0 1984.
- 29-19 UBC XPAND - Programs to Generate a Grid from a Set of Scattered Data Points 1976.
- 29-20 TN (Technical Note) 57 1976.

## PHOTOGRAPHS

45 b&w photographs of various sizes.