

# Computing Centre fonds

Compiled by Vincent Ouellette (1986) and Tahra Fung (1999)

Last revised November 2011

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

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# Table of Contents

- **Fonds Description**
  - Title / Dates of Creation / Physical Description
  - Administrative History
  - Scope and Content
  - Notes
  
- **Sous fonds description**
  - Canadian Information Processing Society (CIPS) Sous-fonds
  
- **Series Descriptions**
  - Early Computing Centre Series
  - Pre-1969 Series
  - 1969-1978 Series
  - Systems Hardware Operations Committee (SHOC) Series
  - Software Committee Series
  - Manuals and Technical Information Series
  - UBC Computing Centre Newsletter Series
  - 1979-1987 Alphabetical Series
  - 1973-1996 Chronological Series
  - Photographs
  
- **File List**
  
- **Catalogue entry** (UBC Library catalogue)

# Fonds Description

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

5.27m 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 ten 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; 1979-1988 Alphabetical Series; 1973-1996 Chronological Series; 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

## Sous-fonds Description

**Canadian Information Processing Society (CIPS) Sous-fonds.** - 1962-1972.

14cm 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 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 Computer 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 Computer 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.** - 1972-1987.

24cm 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.

**1979-1987 Alphabetical Series.** - 1979-1987.

80cm 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 has been the Director of the Computing Centre since 1987.

Arrangement of this series is alphabetical and based on a partial file list 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 has been the Director of the Computing Centre since 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.

**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 Information (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 (1963-1969, 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 Faciltity 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 [poposed 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.

### 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.

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 - Jan 1970.  
14-14 UBC Computing Centre Newsletter Nov 1977 - Mar 1981.  
14-15 UBC Computing Centre Newsletter 1983-1984.  
14-16 UBC Computing Centre Newsletter 1985 - July 1986.

Box 15

#### 1979-1987 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.

#### 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.

## PHOTOGRAPHS

45 b&w photographs of various sizes.