

# Department of Physics fonds

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

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# Fonds Description

**Department of Physics fonds.** – 1944-2002.

65 cm of textual materials.

644 photographic prints; 678 photographic negatives; 122 slides

1 audio cassette; 1 audio reel; 1 video reel

## **Administrative History**

The Department of Physics was one of the original departments within the Faculty of Arts and Science when UBC was established in 1915, and has been in continuous existence since then. It was included in the Faculty of Science when it was split from Arts in 1964. The Department was housed with the other science departments at Fairview Campus, and in the Science (now the Chemistry) Building at Point Grey, until the Hennings Building was completed in 1947. It went through a period of significant expansion during the Second World War related to the research activities carried out by its members for the government, and it remains today one of the University's largest academic departments. Laboratory work has been an integral part of the curriculum of the Department of Physics since its beginning, and the Department has issued manuals for use by students since the 1940's.

## **Scope and Content**

Fonds consists of laboratory manuals published by the UBC Department of Physics between 1949 and 1966 (most dated 1957-1962); mimeographed hand-outs for experiments and other assignments; hand-written lecture notes; and a 1944 Canadian Army physics laboratory manual. Many of the manuals are annotated. The manuals are bound, but the notes and hand-outs are loose; all have been placed in acid-free folders. They are arranged by course number, and then chronologically; unnumbered materials, and folders containing unsorted material from various courses, were placed at the end.

Fonds also includes promotional materials, many of which relate specifically to the Department of Physics at university-wide Open Houses, annual reports from the Department of Physics, notes made by Professor John Warren regarding x-rays and particle physics, as well as photographs taken of individuals, groups, and events related to the Department of Physics.

## **Notes**

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

File list available.

## Series Descriptions

**Course Materials Series.** - 1944-1966 (predominant 1957-1962).  
50 cm of textual materials.

Series consists of materials used in classes and laboratories within the Department of Physics.

Boxes: 1-2

**Promotional Materials Series.** – 1947-1993  
7.5 cm of textual materials  
122 slides; 1 audio cassette; 1 audio reel; 1 video reel

Series consists of materials that were used to promote the Department of Physics including pamphlets, brochures, and newspaper clippings from UBC Open Houses and the opening of the Physics Building. Series is arranged in chronological order.

Box: 3

**Miscellaneous Series.** – 1943-1974  
8.5 cm of textual materials

Series includes Department of Physics Annual Reports sent to the President's Office and related materials as well as notes by Prof. John Warren on x-rays and particle physics.

Box 3

**Photographs Series.** – 1962-2002  
644 photographic prints; 678 photographic negatives.

Series includes photographs of the Department of Physics taken in front of Hennings Building in most years from 1971-2002, individual portraits taken of professors, students, and staff within the Department of Physics, as well as miscellaneous photos taken during Open Houses and other events.

# File List

BOX 1

## COURSE MATERIALS SERIES

- 1-1 Physics 101 Laboratory Manual [handwritten on cover "1960-1"]
- 1-2 Physics 101 Laboratory Manual [n.d.]
- 1-3 Physics 103 Laboratory Manual - 1966 Edition
- 1-4 Physics 103-110-120 handouts [handwritten on original folder "103 - 1957-58"]
- 1-5 Physics 110-120 handouts [handwritten on first page "old prints [?] 1958-9"]
- 1-6 Physics 200 handouts [n.d.]
- 1-7 Physics 204 Laboratory Notes [handwritten on cover "1961-2"]
- 1-8 Physics 204 Laboratory Notes [handwritten on cover "Ref. Copy - 1962-3"; other notations on Contents page]
- 1-9 Physics 204 Laboratory Notes - 1965 Edition
- 1-10 Physics 204 Laboratory Notes [n.d.]
- 1-11 Physics 220 Laboratory Instructions [unbound; handwritten on first page "1957-8"]
- 1-12 Physics 220 Laboratory Instructions [unbound; handwritten on first page "1961-2"]
- 1-13 Physics 220 handouts [n.d.]
- 1-14 Physics 250-300 Outline of Experiments - Part II (Second Term) - 1949 Edition [notations on front and back covers, and inside]

- 1-15 Physics 250-300 Laboratory Outline - 1956 Edition - Part I [handwritten on cover "E.M. Price"; notations on cover and inside; handwritten notes interleaved]
- 1-16 Physics 250-300 Laboratory outline - 1957 Edition [handwritten on cover "Norman Barton" and "1960-1"]
- 1-17 Physics 250 Laboratory Manual [handwritten on cover "1961-2"]
- 1-18 Physics 250 Laboratory Manual [handwritten on cover "1962-3"; notations on Contents page]
- 1-19 Physics 250 Laboratory Manual [handwritten on cover "1962-3 - Unchanged 1963-4"]
- 1-20 Electrical Laboratory Manual (P250, P251, P300, P301) - 1966 Edition
- 1-21 Physics 250-300 Laboratory Outlines [n.d.; handwritten on cover "Strome"]
- 1-22 Physics 250 Laboratory Manual [n.d.; notations on Contents page]
- 1-23 Apparatus Required For Exp't. In Phys. 250 & 300 [n.d.]
- 1-24 Untitled physics laboratory manual [n.d.; notations on first page]
- 1-25 Physics 250 handouts [n.d.]
- 1-26 Handwritten physics lecture notes [n.d.]
- 1-27 Physics 260 handouts [handwritten on first page "1958-9"]
- 1-28 Physics 260 experiments [n.d.]
- 1-29 Physics 260 - 1955-56 - Edwin Goronzy [notes and annotated laboratory manual]
- 1-30 Physics 300 Laboratory Manual [handwritten on cover "1961-2"]
- 1-31 Physics 300 Laboratory Manual [n.d.]

- 1-32 Physics 300 - Typical Exam Questions [n.d.]
- 1-33 Physics 301 Laboratory Outlines [handwritten on cover "1961-2"]
- 1-34 Physics 301 Laboratory Outlines [handwritten on cover "1962-3"]
- 1-35 Physics 301 Laboratory Outlines [handwritten on cover "1963-4"]
- BOX 2
- 2-1 Physics 301 Laboratory Outlines - 1965 Edition
- 2-2 Physics 303 Laboratory Manual [n.d.]
- 2-3 Physics 308 Laboratory Manual - Edition 1966
- 2-4 Physics 308 handouts [handwritten on first page "308 - 59-60"]
- 2-5 Physics 308 handouts [handwritten on first page "308 - 1961-2"]
- 2-6 Physics 8 Laboratory [handwritten on first page "Print [?] 59"]
- 2-7 Physics 326 experiments [handwritten on first page "1960-61"]
- 2-8 Experimental Physics 409 [handwritten on cover "N. Barton" and "1957-8"]
- 2-9 Canadian Army Course Junior Physics Laboratory Reports - 1944
- 2-10 Physics I Laboratory Instructions and Experiments - Part I [n.d.]
- 2-11 Physics I Laboratory Instructions and Experiments - Part II [n.d.]
- 2-12 Physics 4 Laboratory Instructions and Experiments - Part 1 [n.d.; handwritten and stamped on cover "Norman Barton"]
- 2-13 Physics 4 Laboratory Instructions and Experiments - Part 2 [n.d.; handwritten on cover "N. Barton"]
- 2-14 Physics 4 Problems on Heat and Thermodynamics [n.d.; handwritten on cover "N. Barton"]

- 2-15 Laboratory Assistants' Handbook - 1960-61
- 2-16 Laboratory Assistants' Handbook - 1961-62 [handwritten on cover "G.D. Palsson"]
- 2-17 Obsolete Numbering [n.d.]
- 2-18 Un-numbered [n.d.]
- 2-19 Physics experiment handouts, various courses [n.d.]
- 2-20 Physics experiment handouts, various courses [n.d.]

### BOX 3

#### PROMOTIONAL MATERIALS SERIES

- 3-1 Physics Building Opening – including brochure “Formal Opening of the Physics Building” and copy of “The Daily Ubyyssey”. 1947.
- 3-2 UBC Open House Brochures. 1949-1961.
- 3-3 The Ubyyssey - Open House Editions. 1952-1967.
- 3-4 Open House 1955 – includes brochures titled “Clarendon Laboratory Oxford, 24<sup>th</sup> JUNE, 1954” and “National Research Council Open House May 26 to 28, 1954”, UBC Open House March 5, 1955, 12 pages of handwritten notes regarding the UBC Open House in 1955, and correspondence regarding the UBC Open House in 1955. 1954-1955.
- 3-5 Open House 1973 – materials relating to “Galileo Experiment” – includes script, newspaper clippings, 1 audio cassette, 1 audio reel, 1 video reel. 1973. [recordings stored separately]
- 3-6 Open House 1976 – includes receipt, four newspaper clippings, and articles regarding the UBC Open House. 1976.
- 3-7 1989 Department of Physics Brochure. 1989.



3-8 1993 Department of Physics Brochure. 1993.

#### MISCELLANEOUS SERIES

3-9 Physics Department Reports – including brochures, newspaper clippings, list of graduate students in 1950, correspondence, and copies of Physics Department Annual Report sent to the President's Office for 1943-1944, 1944-1945, 1946-1947, 1947-1948, 1948-1949, 1949-1950, 1954-1955, 1956-1957, 1958-1959, 1959-1960. 1943-1960.

Note: written on folder "PHYSICS Dept. REPORTS".

3-10 Professor John Warren's Notes on x-rays. 1970-1974. [2 folders].

3-11 Professor John Warren's Notes on particle physics. 1971-1974. [2 folders].

#### PHOTOGRAPHS SERIES

29 black & white glossy prints taken during the building of the teaching addition to the Physics Building. 1962-1964. 17.0 cm x 24.6 cm. [3 folders]

16 black & white matte prints by Prof. Rudi Haering of Bella Coola. 1974. 18.1 cm x 23.3 cm.

Note: previously mounted on wooden display frames.

32 colour portraits and 120 negatives. 2000. 9.0 cm x 6.0 cm.

73 negatives from the "Rogues' Gallery". 2000.

Black & white glossy sheet with five photographs of 12 people standing on the roof of Hennings Building. [n.d.]. 12.5 cm x 19.2 cm.

Black & white glossy sheet with four similar photos of 19 individuals. [n.d.]. 20.3 cm x 24.9 cm.

17 black & white glossy prints used in support of a poster celebrating 100 years of physics at UBC titled "Measuring Stellar Fusion Reactions with UBC's Van de Graaf". [n.d.]. Various sizes – approx. 10.7 cm x 8.9 cm.

Black & white glossy print of members of the Department of Physics in 1970-1971 in front of Hennings Building with accompanying list of names. 1971. 8.5 cm x 24.5 cm.

2 black & white glossy prints of members of the Department of Physics in 1971-1972 in front of Hennings Building with accompanying list of names. 1972. 9.5 cm x 24.2 cm.

Black & white glossy print of members of the Department of Physics in 1972-1973 in front of Hennings Building with accompanying list of names. 1973. 11.2 cm x 19.5 cm.

6 black & white glossy prints of members of the Department of Physics in 1973-1974 in front of Hennings Building with accompanying list of names. 1974. 9.0 cm x 24.3 cm.

2 black & white glossy prints of members of the Department of Physics in 1974-1975 in front of Hennings Building with accompanying list of names. 1975. 9.0 cm x 24.3 cm.

3 black & white glossy prints of members of the Department of Physics in 1975-1976 in front of Hennings Building with accompanying list of names. 1976. 9.3 cm x 24.5 cm.

Colour matte print of members of the Department of Physics in 1976-1977 in front of Hennings Building with accompanying list of names. 1977. 9.4 cm x 24.5 cm.

2 colour matte prints of members of the Department of Physics in 1977-1978 in front of Hennings Building. 1978. 9.3 cm x 24.4 cm.

2 colour matte prints of members of the Department of Physics in 1978-1979 in front of Hennings Building with accompanying list of names. 1979. 8.9 cm x 24.6 cm.

6 colour matte prints of members of the Department of Physics in 1979-1980 in front of Hennings Building with list of names and related material. 9.5 cm x 24.6 cm.

6 colour matte prints of members of the Department of Physics in 1980-1981 in front of Hennings Building with accompanying list of names. 1981. 10.2 cm x 25.3 cm.

3 colour matte prints of members of the Department of Physics in 1981-1982 in front of Hennings building and 2 copies of names of people in the photograph. 1982. 9.4 cm x 24.4 cm.

6 colour matte prints of members of the Department of Physics in 1982-1983 in front of Hennings Building with hand-written letter from Gordon M. Shrum. 1983. 9.7 cm x 24.4 cm.

Colour matte print of members of the Department of Physics in 1983-1984 in front of Hennings Building with accompanying list of names. 1984. 9.5 cm x 24.5 cm.

2 colour matte prints of members of the Department of Physics in 1984-1985 in front of Hennings Building with accompanying list of names. 1985. 10.1 cm x 20.2 cm.

Colour matte print of members of the Department of Physics in 1985-1986 in front of Hennings building and accompanying list of names. 1986. 20.3 cm x 25.3 cm.

Note: 2 of the proof sheets have not been cut and each include three photographs.

5 colour matte prints of members of the Department of Physics in 1986-1987 in front of Hennings building, accompanying list of names, and 2 invoices for photographs. 1987. 10.1 cm x 25.4 cm.

3 colour matte prints of members of the Department of Physics in 1987-1988, accompanying list of names, invoice and copy of money order. 1988. 10.1 cm x 25.3 cm.

2 colour matte prints of members of the Physics Department in 1988-1989 in front of Hennings Building and accompanying list of names. 1989. 10.2 cm x 25.3 cm.

Colour matte print of members of the Department of Physics in 1989-1990, accompanying list of names. 1990. 12.7 cm x 28.2 cm.

2 colour matte prints of members of the Department of Physics in 1990-1991 and accompanying list of names. 1991. 11.9 cm x 24.6 cm.

3 colour matte prints of members of the Department of Physics in 1991-1992 in front of Hennings Building as well as cover letter and accompanying list of names. 1992. 10.4 cm x 25.8 cm.

Colour matte prints of members of the Department of Physics in 1993/1994 in front of Hennings Building. 1994. 12.7 cm x 28.0 cm.

2 colour glossy prints of members of the Department of Physics in 1994-1995 in front of Hennings Building and accompanying list of names. 1995. 12.7 cm x 27.8 cm.

2 colour glossy prints of members of the Department of Physics in 1995-1996 in front of Hennings Building. 1996. 12.6 cm x 27.9 cm.

5 colour matte prints of members of the Department of Physics in 1996-1997 in front of Hennings Building. 1996. 12.5 cm x 27.8 cm.

2 colour matte prints of members of the Department of Physics in 1997-1998 in front of Hennings Building. 1998. 12.5 cm x 25.7 cm.

4 colour matte prints of members of the Department of Physics in 1998-1999 in front of Hennings Building. 1999. 12.5 cm x 28.2 cm.

3 colour matte prints of members of the Department of Physics in 1999-2000 in front of Hennings Building and accompanying list of names. 2000. 12.7 cm x 25.5 cm.

4 colour matte prints of members of the Department of Physics in 2000-2001 in front of Hennings Building. 2001. 12.7cm x 25.8 cm.

2 colour glossy prints of members of the Department of Physics in 2001-2002 in front of Hennings Building with accompanying list of names and handwritten partial list of names. 2002. 12.6 cm x 25.5 cm.

23 black & white photographs taken during the set up for UBC Open House in 1958. 9.0 cm x 9.2 cm.

12 negatives regarding the UBC Open House. 1976.

65 Open House 1979 slides contained in 2 slide boxes. 1979.

56 Open House 1982 slides contained in 2 slide boxes. 1982.

10 slides and 1 photograph of various individuals. [1975?]

1989 Department of Physics Brochure. 29 black & white glossy prints, 128 negatives, and one photocopy of photographs. 1989. Various sizes.

1993 Department of Physics Brochure - Roll 1 - 10 black & white glossy prints of individuals and 26 negatives. 1993. 10.1 cm x 15.0 cm.

1993 Department of Physics Brochure - Rolls 3-4 - 18 black & white glossy prints, photocopy of photographs, and 66 negatives. 1993. 10.1 cm x 15.0 cm.

1993 Department of Physics Brochure – Roll 5. 30 negatives. 1993.

1993 Department of Physics Brochure - Roll 6 - 24 black & white glossy prints and 32 negatives. 1993. 10.1 cm x 15.0 cm.

1993 Department of Physics Brochure – Roll 7 - 26 negatives. 1993.

1993 Department of Physics Brochure - Roll 8 - 70 black & white glossy prints, and 34 negatives. 1993. 10.1 cm x 15.0 cm.

1993 Department of Physics Brochure - Roll 9 - 22 black & white glossy prints, 35 negatives, and one photocopy of two photographs. 1993. 10.1 cm x 15.0 cm.

1993 Department of Physics Brochure – Roll 10 - 25 negatives. 1993.

1993 Department of Physics Brochure - Roll 11 - 40 black & white glossy prints and 25 negatives. 1993. 10.1 cm x 15.0 cm.

1993 Department of Physics Brochure - Roll 12 - 10 black and white glossy prints and 46 negatives. 1993. 10.1 cm x 15.0 cm.

1993 Department of Physics Brochure – 36 black & glossy prints, 1 colour photograph, and 1 slide. 1993. Various sizes.