

# Guide to the Department of Physics, Yale University, Records

RU 417



compiled by Daniel Hartwig

March 2008

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## Collection Overview

**REPOSITORY:** Manuscripts and Archives  
Yale University Library  
P.O. Box 208240  
New Haven, CT 06520-8240  
(203) 432-1735  
(203) 432-7441  
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<http://www.library.yale.edu/mssa/>

**CALL NUMBER:** RU 417

**CREATOR:** Yale University. Physics Department

**TITLE:** Department of Physics, Yale University, records

**DATES:** circa 1910-2005

**PHYSICAL DESCRIPTION:** 40 linear feet (23 boxes)

**LANGUAGE:** English

**SUMMARY:** The records consist of reports and administrative files of the Yale Department of Physics documenting the Wright Nuclear Structure Laboratory and the construction of the Sloane Physics Laboratory. Also included is a library circulation book. Accession 2014-A-0074 contains the records of David Allan Bromley, who was Associate Director of the Heavy Ion Accelerator Lab from 1960 to 1963. He was the founder, and from 1963 to 1989, the Director, of Yale's A. W. Wright Nuclear Structure Lab. From 1970 to 1977, he was Chairman of the Physics Department. In 1972, he was appointed the Henry Ford II Professor of Physics and was in this position until 1993.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/mssa.ru.0417>

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## Requesting Instructions

To request items from this collection for use in the Manuscripts and Archives reading room, please use the request links in the HTML version of this finding aid, available at <https://hdl.handle.net/10079/fa/mssa.ru.0417>.

To order reproductions from this collection, please go to [http://www.library.yale.edu/mssa/ifr\\_copy\\_order.html](http://www.library.yale.edu/mssa/ifr_copy_order.html). The information you will need to submit an order includes: the collection call number, collection title, series or accession number, box number, and folder number or name.

Key to the container abbreviations used in the PDF finding aid:

b.      box  
f.      folder

## **Administrative Information**

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### **Conditions Governing Access**

The materials are partially restricted. See Collection Contents for details.

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### **Preferred Citation**

Department of Physics, Yale University, Records (RU 417). Manuscripts and Archives, Yale University Library.

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## **Scope and Contents**

The records consist of reports and administrative files of the Yale Department of Physics documenting the Wright Nuclear Structure Laboratory and the construction of the Sloane Physics Laboratory. Also included is a library circulation book. Accession 2014-A-0074 contains the records of David Allan Bromley, who was Associate Director of the Heavy Ion Accelerator Lab from 1960 to 1963. He was the founder, and from 1963 to 1989, the Director, of Yale's A. W. Wright Nuclear Structure Lab. From 1970 to 1977, he was Chairman of the Physics Department. In 1972, he was appointed the Henry Ford II Professor of Physics and was in this position until 1993.

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## **General note**

Forms part of Yale Record Group 14-B (YRG 14-B), Records of departments and programs of the Yale Faculty of Arts and Sciences.

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## **Arrangement**

The records are arranged by accession.

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## Collection Contents

### Accession 1932-A-002: Library circulation book and records on the building of Sloane Physics Laboratory, 1910-1912

|            |  |   |
|------------|--|---|
| b. 1, f. 1 | Library circulation book   | 1927-1931                               |
| b. 1, f. 2 | Papers pertaining to the building of the Sloane Physics Laboratory | 1910 March 26 -<br>1912 September<br>21 |

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**Accession 1987-A-084: "A.W. Wright Nuclear Structure Laboratory: an Overview and  
Status Report", 1975**

b.1

"A.W. Wright Nuclear Structure Laboratory: an Overview and Status Report"

1975

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## **Accession 2001-A-145: Drawings for the nuclear accelerator, circa 1948-1969**

b. 4, 3, 6, 5, 14, 2, Drawings for the nuclear accelerator  
1, 12, 11, 13, 8, 7,  
10, 9

circa 1948-1969

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## Accession 2014-A-074: Records of D. Allan Bromley, 1953-2005

Restricted until January 1, 2041.

### Administrative files

|                |  |           |
|----------------|--|-----------|
| b. 1, f. 1     | Architectural committee meetings   | 1962      |
| b. 1, f. 2     | Equipment loan contract-Office of Naval Research   | 1966      |
| b. 1, f. 3     | Yale reports broadcast   | 1966-1967 |
| b. 1, f. 4     | Supplemental remarks to the President's science advisory committee                         | 1968      |
| b. 1, f. 5-9   | Committee on Organization and Management of Administrative Services (COMAS) files          | 1974-1977 |
| b. 1, f. 10    | COMAS administrative data systems  | 1977      |
| b. 1, f. 11    | COMAS operating report   | 1977-1978 |
| b. 1, f. 12    | Feshback/Giamatti letters regarding the extended stretched transuranium accelerator (ESTU) | 1980      |
| b. 1, f. 12a   | Senior accounting workshop<br><i>1 Audiocassette</i>                                       | 1981      |
| b. 1, f. 13-16 | General administrative files, Wright Nuclear Structure Laboratory                          | 1981-1982 |
| b. 1, f. 17    | Presentation to the Nuclear Science Advisory Committee                                     | 1982      |
| b. 1, f. 18    | ESTU accelerator publicity   | 1983      |
| b. 1, f. 19    | Integrated management plan   | 1983      |
| b. 1, f. 20    | Physics 320b course files  | 2002-2003 |
| b. 1, f. 21    | Physics 110a course files  | 2004      |
| b. 1, f. 22-23 | Physics 320b course files  | 2004-2005 |
| b. 1, f. 24-25 | Science, Technology, and Public Policy course materials                                    | Undated   |
| b. 1, f. 26-27 | Science, Technology, and Public Policy course overview                                     | Undated   |

### Research files

|              |  |               |
|--------------|--|---------------|
| b. 2, f. 1   | Yale University  | 1958-1962     |
| b. 2, f. 2-3 | Emperor tandem accelerator research at Yale University | 1961          |
| b. 2, f. 4   | Research at Yale                                       | 1961 March 23 |
| b. 2, f. 5   | Sillman lecture  | 1966          |
| b. 2, f. 6   | Symposium  | 1967          |
| b. 2, f. 7   | Research reports                                       | 1968-1974     |
| b. 2, f. 8   | Online data acquisition systems in nuclear physics     | 1969          |



Research files (continued)

|                           |  |           |
|---------------------------|--|-----------|
| b. 2, f. 9-10             | Physics survey records   | 1969-1971 |
| b. 2, f. 11               | Yale University's research activities under United States Atomic Energy Commission contracts | 1973      |
| b. 2, f. 12               | Symposium in honor of D. Allan Bromley   | 1987      |
| b. 2, f. 13               | Symposium of northeastern accelerator personnel at Yale University                           | 1988      |
| b. 2, f. 14               | A.W. Wright research   | Undated   |
| b. 2, f. 15               | ESTU research  | Undated   |
| b. 2, f. 16               | Educational impact at Yale-ESTU  | Undated   |
| b. 2, f. 17-18            | Proposal research for the Yale 20 mev tandem electrostatic accelerator                       | Undated   |
| Wright Laboratory records |  |           |
| b. 2, f. 19               | Heavy ion accelerator research and operations proposals                                      | 1953-1961 |
| b. 2, f. 20               | Accelerator operation during the contract year   | 1959-1960 |
| b. 2, f. 21               | Proposal for a 20 mev Van de Graff research facility at Yale                                 | 1961      |
| b. 2, f. 22               | Nuclear researchers progress report  | 1961-1962 |
| b. 2, f. 23               | Nuclear researchers under contract progress report   | 1961-1962 |
| b. 2, f. 24               | Heavy ion accelerator research and operations proposals                                      | 1962-1963 |
| b. 2, f. 25               | Nuclear researchers under contract research and budget proposal                              | 1962-1963 |
| b. 2, f. 26               | Final report to the National Science Foundation-facilities grant                             | 1963      |
| b. 3, f. 1                | Nuclear researchers under contract research and budget proposal                              | 1963-1964 |
| b. 3, f. 2                | Proposed operating budget for the nuclear structure laboratory                               | 1963-1964 |
| b. 3, f. 3                | United States Atomic Energy Commission contract  | 1963-1964 |
| b. 3, f. 4-5              | Final report on the design of a very high intensity proton linear accelerator                | 1964      |
| b. 3, f. 6                | Heavy ion accelerator reports to the Atomic Energy Commission                                | 1964      |
| b. 3, f. 7                | Nuclear researchers under contract research and budget proposal                              | 1964      |
| b. 3, f. 8                | Final report to the National Science Foundation-facilities grant                             | 1964      |
| b. 3, f. 9                | Proposal for a digital computer system with the MP tandem accelerator installation           | 1966      |
| b. 3, f. 10               | Proposal for upgrading of the Yale emperor accelerator-Wright Nuclear Structure Laboratory   | 1968      |
| b. 3, f. 11               | Wright Nuclear Structure Laboratory research and budget proposal                             | 1969      |
| b. 3, f. 12               | Planning projections for the fiscal years 1969-1975-Wright Nuclear Structure Laboratory      | 1969      |

Wright Laboratory records (continued)

|                |  |           |
|----------------|--|-----------|
| b. 3, f. 13    | Wright Nuclear Structure Laboratory overview and status report   | 1975      |
| b. 3, f. 14    | Mid year reviews, Wright Nuclear Structure Laboratory  | 1968-1976 |
| b. 3, f. 15    | Final proposal to the United States Department of Energy by the Wright Laboratory                      | 1978      |
| b. 3, f. 16    | Proposal for conversion of the Yale MP tandem accelerator to STU status                                | 1978      |
| b. 3, f. 17    | STU Proposal   | 1978      |
| b. 3, f. 18    | Vugraphs-ESTU  | 1978      |
| b. 3, f. 19    | Addendum to proposal for conversion MP to ESTU   | 1980-1981 |
| b. 3, f. 20    | Final proposal to the United States Department of Energy by the AW Wright Nuclear Structure Laboratory | 1982      |
| b. 3, f. 21    | Proposal for conversion of the Yale MP tandem accelerator to ESTU status                               | 1982      |
| b. 4, f. 1     | Conceptual design report   | 1983      |
| b. 4, f. 2     | Response to Nuclear Safety Analysis Center (NUSAC) questions re ESTU                                   | 1983      |
| b. 4, f. 3     | Responses to questions posed by the House Subcommittee on Science and Technology                       | 1984      |
| b. 4, f. 4-9   | Research and budget proposals of the Wright Nuclear Structure Laboratory                               | 1970-1985 |
| b. 4, f. 10    | Field report-Wright Nuclear Structure Laboratory   | 1986      |
| b. 4, f. 11-13 | ESTU files-general   | 1985-1987 |
| b. 4, f. 14    | Dedication of the ESTU accelerator   | 1987      |
| b. 4, f. 15-16 | Photograph album-laboratory press clippings  | Undated   |
| b. 4, f. 17    | Photographs  | Undated   |
| b. 4, f. 18    | The Yale University ESTU accelerator project   | Undated   |
| b. 5, f. 1     | Research and budget proposals of the Wright Nuclear Structure Laboratory                               | 1967-1968 |
| b. 6           | Architectural drawings   | Undated   |

## **Selected Search Terms**

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

### **Subjects**

College buildings  
Laboratories  
Particle accelerators  
Universities and colleges -- Administration  
Universities and colleges -- Departments

### **Corporate Bodies**

Arthur W. Wright Nuclear Structure  
Laboratory  
Yale University. Physics Department  
Yale University -- Administration --  
Administration  
Yale University -- Buildings

### **Names**

Bromley, David Allan (D. Allan)