Overview of the Collection

**Creator**
Dunitz, Jack D.

**Title**
Jack Dunitz Papers

**Dates**
1927-2009 (inclusive)
1927 2009

**Quantity**
30 linear feet, (67 boxes), (42.9 megabytes) : Personal correspondence, institutional records, research notes, scientific articles and reprints, teaching materials, manuscripts and photographs.

**Collection Number**
MSS Dunitz

**Summary**
Jack Dunitz (b. 1923) is an internationally recognized crystallographer and expert on molecular structure. Over the course of his lengthy career - including more than three decades spent at the Swiss Federal Institute of Technology - Dunitz has established himself as a leading expert in his field. He is responsible for several major structural discoveries, the refinement of numerous crystallographic techniques, and the publication of nearly four-hundred scientific articles and reviews. The Dunitz Papers include personal correspondence, institutional records, research notes, scientific articles and reprints, teaching materials, manuscripts and photographs, the bulk of which date from 1941 to 2008.

**Repository**
Oregon State University Libraries, Special Collections and Archives Research Center
Special Collections and Archives Research Center
121 The Valley Library
Oregon State University
Corvallis OR
97331-4501

Telephone: 541-737-2075
Fax: 541-737-8674
scarc@oregonstate.edu

**Access Restrictions**
Restrictions on Access

Permission to examine The Jack Dunitz Papers will be granted to qualified researchers upon completion of an "Application for Use" form, and contingent upon the researcher’s agreement to abide by the rules and policies governing collection use. See the Use of Collections page for more information

**Languages**
English, German

**Biographical Note**
Jack David Dunitz was born on March 29, 1923 in Glasgow, Scotland. He attended primary and secondary school in Glasgow, where he established himself as an intelligent child and a capable rugby...
player. It was during this time that he first became interested in chemistry, leading him to pursue a Bachelor's Degree in Chemistry at Glasgow University in 1940. Due to the strains of World War II, Dunitz's studies at Glasgow were condensed into three years and, following graduation, he entered the university's doctoral program under the supervision of John Monteath Robertson. Largely due to the pressures of Robertson's official responsibilities, Dunitz's experience as a doctoral student was primarily one of self-motivated learning and informal collaboration with other students. It was during this time that he began to work intensively with x-ray crystallography. He was assigned to the determination of the crystal structures of acetylenedicarboxylic acid dihydrate and diacetylenedicarboxylic acid dihydrate - a difficult and tedious process that took three years to complete.

At Glasgow Dunitz became familiar with the work of Dorothy Crowfoot Hodgkin, an internationally known crystallographer. Upon receiving his Ph.D., he took a position at Oxford as a postdoctoral researcher under Hodgkin's supervision. During his time in her laboratory, Dunitz met some of the most influential figures in twentieth century science including Sir Lawrence Bragg, John Desmond Bernal, and Max Perutz. There, he embarked on an extensive research program that included determining the structure of a calciferol derivative - a molecule that, at the time, was the most complex structure ever determined through means of x-ray crystallography - and the study of a tetraphenylcyclobutane structure. Through this work, he was introduced to Verner Schomaker who suggested that Dunitz begin gas-phase electron diffraction studies and helped to equip Dunitz with a research fellowship at the California Institute of Technology. After completing his work at Oxford, Dunitz left England for California where, in 1948, he began his work at Caltech. There, he met many of the scientists responsible for developing the field of modern structural chemistry including Linus Pauling and Robert Corey.

After three years at Caltech, Dunitz returned to Oxford where he learned theoretical chemistry from fellow researcher Leslie Orgel. It was during this period that Dunitz, Orgel, Sydney Brenner, and Dorothy Hodgkin visited Francis Crick and James Watson at Cambridge and became some of the first people to see the double helix model of DNA. After a year of work on ferrocene at Oxford, Dunitz returned to Caltech accompanied by his new bride, Barbara. While there, he met Alexander Rich and was recruited to set up a structural chemistry lab at the NIH Institute of Mental Health. Unfortunately, he quickly found himself uncomfortable at the NIH and returned to England, where he accepted a position as Senior Research Fellow at the Davy-Farraday Laboratory at The Royal Institution in London. Despite working under Sir Lawrence Bragg, who had dedicated himself to protein crystallography, Dunitz continued his collaboration with Leslie Orgel in the application of crystal-field theory.

In the early fall of 1957, Dunitz was offered an associate professorship at the Swiss Federal Institute of Technology with an explicit order to create a first class x-ray crystallography group. He took the position in October 1957 and was promoted to Full Professor in 1964. Supported by the security of a permanent position and a great deal of autonomy, Dunitz began to apply the skills he had learned at Oxford and Caltech. He began work on synthetic ionophores, medium-ring compounds, relationships between crystal and chemical systems, phase transformations, and advanced crystallographic methods - a research program that he continued until his retirement in 1990. During his time in Zurich, he received extensive recognition from the international scientific community, resulting in awards, fellowships, and invitations of membership from the London Chemical Society, Harvard University, the Swiss Chemical Society, the Royal Swedish Academy of Science, and the American Crystallographic Association, among others. Dunitz has published nearly four hundred research articles and reviews as well as several texts on structural chemistry.

Historical Note

Jack Dunitz Papers, 1927-2009
http://archiveswest.orbiscascade.org/ark:/80444/xv65814

Content Description

The Jack Dunitz Papers include 30 linear feet of personal correspondence, institutional records, research notes, scientific articles and reprints, teaching materials, and manuscripts spanning his career from 1941-2008. In addition, 42.9 megabytes of born digital letters and manuscripts originally created using WriteNow word processing software have been converted to contemporary file types, printed out and organized into the collection’s paper files. Materials are in English and German.

Use of the Collection

Restrictions on Use

Restrictions on Use
Portions of specified folders are restricted.

Preferred Citation

Preferred Citation
Courtesy of The Jack Dunitz Papers, Special Collections, Oregon State University Libraries

Administrative Information

Arrangement

The Jack Dunitz Papers have been organized into six series which are further arranged either alphabetically or chronologically, as appropriate. In addition to traditional archival materials, the collection includes a large volume of born digital word processing files, which have been printed out and inserted into the paper collection. An electronic repository of the born digital component of the collection in its original state is maintained on site.

Preservation Note

Physical quality of materials in The Jack Dunitz Papers ranges from good to very good.

Custodial History

Custodial History
All materials in The Jack Dunitz Papers were received by OSU Libraries Special Collections from Jack Dunitz via post between March 29, 2010 and May 17, 2010.

Acquisition Information

Acquisition Information
All physical materials (30 linear feet) were received by OSU Libraries Special Collections from Jack Dunitz via post on March 29, 2010.
All born digital materials (42.9 megabytes) were received by OSU Libraries Special Collections from Jack Dunitz via post on May 17, 2010.

**Future Additions**

Future Additions

**Processing Note**

Processing Note

Final arrangement by Chris Petersen, Reed Strickland and Trevor Sandgathe.

**Bibliography**

*Books by Jack Dunitz*


*Related Materials*

Related Materials

Related materials can be found in *The Ava Helen and Linus Pauling Papers* and *A Liking for the Truth: Truth and Controversy in the Work of Linus Pauling* event website, as hosted by the Oregon State University Libraries Special Collections.

*Separated Materials*

Separated Materials

Not all correspondence was deposited with the collection and separated material may no longer be extant.

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**Detailed Description of the Collection**

The following section contains a detailed listing of the materials in the collection.

**1: Correspondence and Non-Dunitz Publications, 1932-2009, undated**

26 boxes

The folders in this series contain correspondence and publications by specific authors, as maintained by Dunitz. The correspondence materials include traditional letters as well as a large volume of emails and word processing files printed out over time by Dunitz. Highlights of the series include lengthy exchanges with a number of notable scientists including Carleton Gajdusek, Dorothy Hodgkin and Kenneth Trueblood. The activities of the Cambridge Crystallographic Data Centre are also well-documented in this series, as is Dunitz’s work in preparing his *Biographical Memoirs of the Royal Society* article on Linus Pauling.
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<td>Includes images of Caltech graduate student colleagues, including Jack Dunitz, on camping trips circa 1948. Also includes two photographs of Gajdusek at his own eightieth birthday party.</td>
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Includes color negative of oil portrait of Dorothy Hodgkin. | 1934; 1939-1940; 1950-1951; 1956-1999 |
| 12.10        | Hoffman, Roald  | 1993; 1996; 2006            |
| 12.11        | Huber-Buser, Effi | 1962-1970                   |
| 12.12        | H: General Correspondence |                        |
| 1.013        | Correspondence: I - K  
21 folders | 1958-2008; undated         |

**Folder**

| 13.2         | *Inorganic Chemistry* | 1991; undated             |
| 13.3         | Irwin, John Joseph  
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| 13.5         | Jortner, Joshua  | 1994                       |
| 13.7         | <em>Journal of Physical Chemistry</em> | 1989                       |
| 13.9         | J: General Correspondence |                        |</p>
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Jack Dunitz Papers, 1927-2009
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| 21.4        | Rollett, John S.                     | 1954-1955                    |
| 21.5        | Royal Institution                    | 1955                         |
| 21.6        | Royal Society                        | 1974-2008                    |
| 21.7        | Rundle, R.E.                         | 1950-1964                    |
| 21.9        | R: General Correspondence            |                              |
| 1.022       | Correspondence: Sa - Sp              | 1948-2005                    |

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### 2: Biographical Materials and Photographs, 1967-2008, undated

2 boxes

A wide range of biographical data is contained in this small series. Of particular note is a collection of autobiographical typescripts written by Dunitz from 1988-1990. The handful of photographs found in series 2 are complemented by the Caltech graduate student images located in the Gajdusek correspondence file.

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<td>February 1978</td>
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<td>Typescript: <em>Jack Dunitz</em>. Oral history interview conducted by Istvan Hargittai</td>
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*Jack Dunitz Papers, 1927-2009<br>http://archiveswest.orbiscascade.org/ark:/80444/xv65814*
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### Folder

| **2.1**  | Jack Dunitz speaking with a colleague in a lecture hall at the Bürgenstock Conference, Switzerland. Photo courtesy of Jiro Tanaka | 1973 |
| **2.2**  | Jack Dunitz engaged in discussion with A. I. Kitaigorodskii and Olga Kennard at the International Congress of Crystallography, Amsterdam. Photo courtesy of Olga Kennard | 1973 |
| **2.3**  | Group photograph of participants, including Jack Dunitz, at a gathering in Wales. Photo by Grants Studio, Llanidloes | ca. 1970s |
| **2.4**  | Jack Dunitz posing outside an office with a younger unidentified colleague | 2003 |

### 3: Publications by Jack Dunitz, 1947-2004

8 boxes

Series 3 is comprised of reprints of scientific publications authored or co-authored by Jack Dunitz, as collected by Dunitz.

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### Folder

<p>| <strong>1.3</strong>  | Some Developments in Structural Chemistry. <em>Oxford Science</em> 2, 1 (June 1948): 24-34. [J. D. Dunitz and S. C. Wallwork] |</p>
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<td>Structure of Calciferol. <em>Chemistry and Industry</em> (1957): 1148-1149. [D. C. Hodgkin, M. S. Webster and J. D. Dunitz]</td>
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<td>Strukturen der mittleren Ringverbindungen. IV. 1,6-trans-Diaminocyclodecandihydrochlorid, trikline Modifikation. <em>Helv.</em></td>
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Jack Dunitz Papers, 1927-2009
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<td>(1978): 2783-2808. [W. B. Schweizer, G. Procter, M. Kaftory and J. D. Dunitz]</td>
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5.3 Description of Molecular Distortions in Terms of Symmetry Coordinates. *Acta Crystallogr.* A35 (1979): 703-713. [P. Murray-Rust, H. B. Bürgi and J. D. Dunitz]


5.7 1,4,7,10,13,16-Hexaoxacyclooctadecane: Crystal Structure at 100 K. *Acta Crystallogr.* B36 (1980): 615-620. [E. Maverick, P. Seiler, W. B. Schweizer and J. D. Dunitz]


5.9 Synthesis, Properties, and Crystal Structure of Silylnitronates: Towards the $S_N2$ Reaction Path with Retention of Configuration
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<td>Internal Molecular Motion of Triphenylphosphine Oxide: Analysis of Atomic Displacement Parameters for Orthorhombic and Monoclinic Crystal Modifications at 100 and 150 K. <em>J. Amer. Chem. Soc.</em> 107 (1985): 6964-6970. [C. P. Brock, W. B. Schweizer and J. D. Dunitz]</td>
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<td>Don't get your helix in a twist. <em>Chemistry in Britain</em> (July 2000): 22</td>
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### 4.001 Manuscripts of Articles by Jack Dunitz
- **Description:**
  - This series contains a diverse collection of manuscripts and lecture materials, including a number of transparencies, drawings for slides and other visual aids created by Dunitz for use in presentation. Included in this series are several pieces written by Dunitz on the life and work of notable scientists, including Linus Pauling, John Monteath Robertson and Vladimir Prelog.
- **Dates:** 1946-1991

### 1.1 Typescripts: "Verse"
- **Description:**
  - Series of poems, some of them parodies of other works, written by Dunitz. Titles include *The Research Student's Lament*, *Our Worlds Came in Collision*, *Lines Addressed to Dr. Orgel* and *Of Molecules and Men.*
- **Dates:** 1946-1952; 1990

### 1.2 Typescript: *The Tragicall Comedie of Dr. Faustus. Or “Scientia vincit omnia.”*
- **Description:** Stage play written by J. D. Dunitz and C.
- **Dates:** 1950
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<td>Typescript: <em>The Early History of Silver Cyanate and Fulminate</em>, by Doyle Britton and Jack Dunitz</td>
<td>ca. 1970s</td>
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<td>Typescript, Correspondence, Referees' Reports, Background Materials: <em>Electron Density Distribution in the Organic Superconductor (TMTSF)\textsubscript{2} AsF\textsubscript{6}: Fact and Fancy</em></td>
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<td>Typescript: <em>Conformational Polymorphism of Ferrocene</em>, by Carolyn Brock, Daniel Selski, Emily Maverick and Jack Dunitz</td>
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<td>Manuscript, Typescript: <em>Structural Variability of Aliphatic Nitro Groups</em>, Yasushi Kai and Jack Dunitz</td>
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<td>ca. 1991</td>
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| 4.002       | Manuscripts of Articles by Jack Dunitz  
29 folders                                                                 | 1994-2006; undated |
| Folder      |                                                                                             |              |
| 2.1         | Typescript, Correspondence: *Linus Pauling (1901-1994); Some Personal Recollections*         | September 1994 |
| 2.2         | Typescript, Correspondence: *A New Look at Proton Transfer Dynamics Along the Hydrogen Bonds in Amides and Peptides* | December 1994 |
| 2.3         | Typescript, Correspondence: *Linus Pauling, 1901-1994*                                       | ca. 1994     |
| 2.5         | Typescript: *LINUS CARL PAULING, 28 February 1901 - 19 August 1994*                           | ca. 1994     |
| 2.6         | Typescript, Correspondence, Background Materials: *A New Look at Proton Transfer Dynamics Along the Hydrogen Bonds in Amides and Peptides* | 1994-1995    |
| 2.7         | Typescript, Correspondence, Background Materials: *Right and Left in Chiral Crystals*        | February 1995 |
| 2.8         | Correspondence, Background Materials: *Disappearing Polymorphs*                              | ca. 1995     |
| 2.9         | Typescript, Correspondence, Background Materials: Letter to the Editor of *Chemical and Engineering News*. [re: changes in the publication policy enforced by the Journal of the American Chemical Society]  
<p>| 2.10        | Typescript, Correspondence: <em>Potassium Channels: the Dubious Role of K+..pi Interactions</em>, by Robin Taylor and Jack Dunitz | March 1996   |</p>
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<td>Typescript: <em>Sir John Meurig Thomas at 70</em></td>
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<td>Manuscript: Structural Investigations of Some Antibiotic Substances</td>
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<td>Notebook: X-Ray Diffraction Lectures - Disorder</td>
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| 4.2         | Manuscript: Untitled lecture on non-bonded interactions | ca. 1970s |
| 4.3         | Typescript, Background Materials: <em>The Cyclohexane Ring</em> | ca. 1970s |
| 4.4         | Manuscript: Untitled lecture on the need to reconsider the initial classification of primary processes related to 3-coordinated and 5-coordinated species. Presented at the &quot;Idea Centenary&quot; | ca. 1970s |
| 4.5         | Manuscript Notes re: untitled lecture on irregular coordination | ca. 1970s |
| 4.7         | Typescript, Notes: <em>Crystal Structure and Chemical Reactivity</em> | ca. 1970s |
| 4.8         | Typescript: Untitled lecture on the physical and chemical properties of medium-sized alicyclic rings | ca. 1970s |</p>
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<td>4.9</td>
<td>Typescript: <em>Unverrichtete Dinge</em>, [&quot;Empty handed&quot;] talk delivered at a celebration held at ETH Zürich</td>
<td>July 7, 1989</td>
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<td>4.10</td>
<td>Typescript, Correspondence, Background Materials: <em>After-dinner Talk at the Symposium in Memory of David Ginsburg, Haifa</em></td>
<td>September 19, 1989</td>
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<td>4.11</td>
<td>Typescript: untitled German-language remarks delivered at a meeting of the Swiss Technion Society</td>
<td>December 5, 1990</td>
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<td>4.12</td>
<td>Lecture Notes, Photograph, Program: Eighteenth Course on Static, Kinematic and Dynamic Aspects of Crystal and Molecular Structure, International School of Crystallography, Erice, Italy. Hans-Beat Buergi and Jack D. Dunitz, directors. Includes a group photo of all who attended the conference in Erice. Dunitz is seated in the front row, sixth from left.</td>
<td>May 30 - June 9, 1991</td>
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<td>4.14</td>
<td>Typescript: <em>Scientists and their Social Responsibility</em>, manuscript prepared for a meeting of Fundacion BBV, Bilbao, Spain</td>
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<td>Typescript: <em>Thoughts on European Culture and Unity</em>, meeting of Fundacion BBV, Bilbao, Spain</td>
<td>October 4-5, 1998</td>
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<td>Typescripts: <em>Scientific Research - Panacea or Pandora's Box</em> [alternatively titled by Dunitz as &quot;Spain Talk.&quot;] Folder also contains a thematically related partial typescript titled &quot;BBV Lecture.&quot;</td>
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<td>Typescript: untitled remarks delivered at a symposium held in celebration of Dunitz's eightieth birthday</td>
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<td>Abstract, Program: <em>Are Crystal Structures Predictable?</em> Conference on Non-Covalent Interactions in Chemistry and Biology, University of Cambridge</td>
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<td>4.24</td>
<td>Typescript: <em>CCDC Dinner</em>. Remarks made at the fortieth anniversary celebration of the Cambridge Crystallographic Data Centre</td>
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<td>Typescript: <em>Sydney Brenner</em></td>
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<td>Typescript: <em>The Golden Age at Caltech</em></td>
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<td>Manuscript: <em>Notes on Hydrogen Bonding</em></td>
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<td>4.29</td>
<td>Manuscript: Untitled introduction to x-ray crystallographic analysis</td>
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<td>4.30</td>
<td>Manuscript: Untitled discussion of the relationship between crystal chemistry and the electronic structure of ions</td>
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<td>Includes x-ray crystallographic photographs labeled &quot;Cooper's Compound.&quot;</td>
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<td>Notes re: crystal structure determinations</td>
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5: Research Notes and Notebooks, 1941-1989

5 boxes
Series 5 consists of research notes, arranged alphabetically by subject, and research notebooks, arranged chronologically. The diversity of topics represented in this series are indicative of the many scientific interests maintained by Dunitz over the course of his career.
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<td>Includes examinations of adamantane, cyclohexane, cyclohexene and cyclooctadiene among others.</td>
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<td>Notes re: electromagnetism</td>
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<td>Notes re: hemoglobin</td>
<td>1953-1954</td>
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<td>Notes: &quot;Method of Finding Maximum of Fourier Peak by Least Squares (Shoemaker)&quot; Notes on a technique devised by David Shoemaker.</td>
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<td>Notes: &quot;Molecular Statics&quot;</td>
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<td>1.7</td>
<td>Notes re: nitrogen</td>
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<td>1.8</td>
<td>Notes re: research reports</td>
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<td>Notes re: ribonucleic acid</td>
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<td>Research Notebook: &quot;Mathematics: 3 Dimensional Coordinate Geometry, Partial Differentiation&quot;</td>
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**Folder**

| 3.2         | Research Notebook: "Calciferol Iodo-Nitro Benzoate" | 1948-1949 |
| 3.3         | Untitled Research Notebook  
Notebook is primarily devoted to a detailed exploration of the structures of chloromycetin, bromamphenicol and aureomycin. Also includes notes on terramycin hydrochloride and isoplasmicide. | 1949-1950 |
| 3.4         | Research Notebook: "Stercobilin Hydrochloride"  
Also contains notes titled "Dimerisation Product of Acenaphthylene." | 1949-1951 |
| 3.5         | Untitled Research Notebook  
Contains notes on quantum mechanics, the movement of electrons and the structure of the hydrogen molecule. Also contains notes on bond orbital hybridization, optics and the "4 electron problem." | 1950 |
| 3.6         | Untitled Research Notebook  
Contains notes on Pauling's "Nature of the Chemical Bond" as well as a comparison of the valence bond and molecular orbital theories of chemical structure as utilized in colleague's publications. | ca. 1951 |
| 5.004       | Research Notebooks 6 folders | 1952-1955 |

**Folder**

| 4.1         | Untitled Research Notebook  
First interior page is titled "Elementary Thermodynamics Notes." | 1952 |
<p>| 4.2         | Untitled Research Notebook | 1952-1953 |</p>
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<td>Contains analyses of various crystal structures and notes on colleagues' structural chemistry publications.</td>
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<td>Untitled Research Notebook&lt;br&gt;Contains notes on nucleic acids and proteins, as well as colleagues’ structural chemistry research.</td>
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<td>Research Notebook: &quot;Misc Notes&quot;&lt;br&gt;Contains notes on nucleic acids, hemoglobin, proteins and model building. Also contains notes on angular momentum and the movement of electrons.</td>
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<td>4.5</td>
<td>Research Notebook: &quot;NIH Exp 54-55&quot;&lt;br&gt;First interior page is titled &quot;Experiments in Molecular Complex Formation Among Purines, Pyrimidines, etc.&quot; Also includes notes on nucleic acids and experiments on Na₂S₂O₄.</td>
<td>1954-1955</td>
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<td>4.6</td>
<td>Research Notebook: &quot;Misc 55&quot;&lt;br&gt;Contains notes on light scattering, molecular orbitals and assorted crystal structure determinations. Also contains work on ferrocene, sodium hydrosulfite and chromium dibenzene.</td>
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<td>Research Notebook: &quot;Diffractometer&quot;</td>
<td>1967-1968</td>
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<td>Untitled Research Notebook&lt;br&gt;Contains notes and calculations on a number of topics related to crystal structure.</td>
<td>1970-1974; 1982; 1985</td>
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<td>Research Notebook: &quot;Mo Theorie&quot;</td>
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<td>Research Notebook: &quot;Pentagons&quot;</td>
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<td>Research Notebook: &quot;Literature&quot;</td>
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### 6: Subject Files, 1927-2008

19 boxes  
The subject files held in series 6 consist of notes and subject-specific publications collected and organized by Dunitz over time.

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| 6.001        | Subject Files: A  
               4 folders | 1927-2002 |
| Folder       |             |         |
| 1.1          | Notes, Publications re: alkali cation complexes | 1969-2002 |
| 1.2          | Notes, Publications re: amino acids | 1969-2002 |
| 1.3          | Notes, Publications re: aromatic compounds | 1956-1987 |
| 1.4          | Notes, Publications re: atomic motion in solids | 1927-2000 |
| 6.002        | Subject Files: B  
               5 folders | 1948-2004 |
| Folder       |             |         |
| 2.1          | Publications re: bicyclobutanes | 1977-1982 |
| 2.2          | Notes, Publications re: biochemistry | 1948-2004 |
| 2.3          | Publications re: biographical sketches  
               Collected biographical materials related to various scientists. | 1948-2004 |
| 2.4          | Publications re: Bond Energy Bond Order (BEBO) method | 1960-1968 |
| 2.5          | Notes, Publications re: bonds, orbitals and lone pairs | 1951-1999 |
| 6.003        | Chirality [1 of 2]  
               1 folder | 1964-2004 |
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| 10.1        | Publications re: history of chemistry  
Files includes photocopy of A. L. Patterson's lengthy handwritten account of his 1926 visit to England. | 1938-1967 |
<p>| 10.2        | Publications re: history of DNA | 2003 |
| 6.011       | Subject Files: Hy 3 folders | 1953-2008 |
| Folder      |             |       |
| 11.1        | Notes, Publications re: hydrogen bonding | 1964-2008 |
| 11.2        | Notes, Publications re: hydrogen gas | 1953-1972 |
| 11.3        | Notes, Publications re: hydrolysis | 1972-1980 |
| 6.012       | Subject Files: I - Mi 4 folders | 1950-1991 |
| Folder      |             |       |
| 12.1        | Notes, Publications re: ice | 1958-1965 |</p>
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<td>19.2</td>
<td>Notes, Publications re: tobacco mosaic virus</td>
<td>1952-1955</td>
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<td>19.3</td>
<td>Publications re: travel</td>
<td>1943-1948</td>
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<td>19.4</td>
<td>Notes, Publications re: vitamin B12</td>
<td>1959-1982</td>
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<td>19.5</td>
<td>Publications re: vitamin C</td>
<td>1953-1977</td>
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<td>19.7</td>
<td>Notes, Publications re: x-ray analysis</td>
<td>1957-2002</td>
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Names and Subjects

Subject Terms:
Jack Dunitz Papers, 1927-2009
http://archiveswest.orbiscascade.org/ark:/80444/xv65814
Crystallography.
Molecular structure.
X-ray crystallography.

Personal Names:
Gajdusek, D. Carleton (Daniel Carleton), 1923-2008.
Robertson, J. Monteath (John Monteath)

Corporate Names:
California Institute of Technology.
Cambridge Crystallographic Data Centre.
Eidgenössische Technische Hochschule Zürich.
University of Glasgow.

Form or Genre Terms:
Photographic prints.

Other Creators:
Personal Names:
Bürgi, Hans-Beat.
(creator)
Gajdusek, D. Carleton (Daniel Carleton), 1923-2008.
(creator)
(creator)
Orgel, Leslie E.
(creator)
(creator)
Trueblood, Kenneth N.
(creator)

Finding aid prepared by Chris Petersen, Ryan Wick, and Trevor Sandgathe.
2011

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