J. Irvin Swigart papers, 1918-1981

Overview of the Collection

<table>
<thead>
<tr>
<th>Creator</th>
<th>Swigart, J. Irvin</th>
</tr>
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<tbody>
<tr>
<td>Title</td>
<td>J. Irvin Swigart papers</td>
</tr>
<tr>
<td>Dates</td>
<td>1918-1981 (inclusive)</td>
</tr>
<tr>
<td>Dates</td>
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<td>Quantity</td>
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<td>Summary</td>
<td>The J. Irvin Swigart papers (1918-1981) consist of reprints of articles, scrapbooks, photos, notes, and some correspondence from years as professor of physics at the University of Utah, 1931-1978.</td>
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<td>Repository</td>
<td>University of Utah Libraries, Special Collections.</td>
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<td>Special Collections, J. Willard Marriott Library</td>
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<tr>
<td></td>
<td>University of Utah</td>
</tr>
<tr>
<td></td>
<td>295 South 1500 East</td>
</tr>
<tr>
<td></td>
<td>Salt Lake City, UT</td>
</tr>
<tr>
<td></td>
<td>84112-0860</td>
</tr>
<tr>
<td></td>
<td>Telephone: 801-581-8863</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:SPCReference@lists.utah.edu">SPCReference@lists.utah.edu</a></td>
</tr>
<tr>
<td>Access Restrictions</td>
<td>Twenty-four hour advanced notice encouraged. Materials must be used on-site. Access to parts of this collection may be restricted under provisions of state or federal law.</td>
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<td>Languages</td>
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Biographical Note

J. Irvin Swigart was a University of Utah physicist, 1931-1978 and a senior physicist in Upper Air Research projects conducted by the University of Utah for the U.S. Air Force during the 1950s and 1960s.

Content Description

The J. Irvin Swigart papers (1918-1981) consist of reprints of articles, scrapbooks, photos, notes, and some correspondence from years as professor of physics at the University of Utah, 1931-1978.

Use of the Collection

Restrictions on Use

It is the responsibility of the researcher to obtain any necessary copyright clearances.
Permission to publish material from the J. Irvin Swigart papers must be obtained from the Special Collections Manuscript Curator.

**Preferred Citation**

*Initial Citation:* J. Irvin Swigart papers, Accn 969, Box [ ]. Special Collections and Archives. University of Utah, J. Willard Marriott. Salt Lake City, Utah.

*Following Citations:* Accn 969.

**Administrative Information**

**Processing Note**

Processed by Manuscript Division staff.

**Separated Materials**

Photographs and slides transferred to the Multimedia Section of the Manuscripts Division (P0599).

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**Detailed Description of the Collection**

**Personal Papers, 1928-1930**

Box1

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**Folder**

<p>| 1            | Personal, University of Utah                   |       |
| 2            | Physics Lecture Hall Dedication                |       |
| 3            | Indiana University, Honor Roll                 |       |
| 4            | News clippings                                 |       |
| 5            | &quot;The Velocity of Sound in Solid Rods,&quot; Doctoral Thesis |  |</p>
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<td>&quot;Comparison of Balance Methods Used in Determining the Surface Tension of Liquids,&quot; Master's Thesis</td>
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<td>Correspondence</td>
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<td>Obituary</td>
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**Volume**

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<td>1-3</td>
<td><em>Wesleyana</em>, Yearbook of Illinois Wesleyan University</td>
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**Articles and Research Material, 1949-1950**

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<td>American Association of Physics Teachers, Programs</td>
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<td>3</td>
<td>Upper Air Research Laboratory, &quot;Rocket Techniques for Measurement of Atmospheric Density&quot;</td>
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<td>4</td>
<td>Upper Air Research Laboratory, &quot;Determination of the Particle Density of the Upper Atmosphere by Means of Scattered Light Measurements&quot;</td>
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<td>5</td>
<td>Upper Air Research Laboratory, &quot;Rocket-Borne Instrumentation to Determine Air Density by Rayleigh-Scattered Light&quot;</td>
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<td>&quot;Rocket-Borne Rayleigh Scattering Instrumentation to Measure Atmospheric Density&quot;</td>
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<td>&quot;Electron Densities of the Ionosphere Utilizing High-Altitude Rockets&quot;</td>
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<td>8</td>
<td>&quot;The Fundamentals of Transients in Electrical Circuits&quot;</td>
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<td>&quot;Lecture Demonstrations for the High School Science Teacher&quot;</td>
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<td>&quot;A Navigation Training Device For Use in Teaching the Principles of Radio Navigation&quot;</td>
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<td>11</td>
<td>Radio Navigation, Correspondence</td>
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<td>&quot;Polarized Waves in Vibrating Strings&quot;</td>
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<td>13</td>
<td>Lunar Exploration</td>
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<td>14-18</td>
<td>Research Material</td>
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**Reprints from *Scientific American*, 1949-1962**

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| 1           | *Scientific American* reprints  
   Includes: Kamen, "Tracers;" Davis, "Low Temperature Physics;"  
   Harlow, "Learning to Think;" and Hurley, "Radioactivity and Time." | 1949         |
| 2           | *Scientific American* reprints  
   Includes: Seaborg and Perlman, "Synthetic Elements I;"  
<p>| 3           | <em>Scientific American</em> reprints | 1951         |</p>
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| 5            | *Scientific American* reprints  
| 6            | *Scientific American* reprints  
| 7            | *Scientific American* reprints  
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| 10          | *Scientific American* reprints  
| 11          | *Scientific American* reprints  
| 12          | *Scientific American* reprints  
| 13          | *Scientific American* reprints  
| 14          | *Scientific American* reprints  
Antarctic;" Woollard, "Land of the Antarctic;" and Llano, "Terrestrial Life of the Antarctic."

**Course Materials**

Box4-7

**Course Materials**

Box8

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**Course Materials**

Box9

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**Diplomas, 1918-1930**

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Container(s) | Description
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1 | Diplomas
Public School Diploma, Douglas County, Illinois (1918); Sidell Township High School (1922); Chicago Engineering Works (1924); Bachelor of Science, Illinois Wesleyan University (1929); and Master of Arts, Indiana University (1930).

1918-1930

Find Related Collections

**Subject Terms:**
- Atmosphere, Upper--Rocket observations
- Physics--Study and teaching--Utah--History--Sources

**Personal Names:**
- Swigart, J. Irvin--Archives

**Corporate Names:**
- University of Utah. Faculty

**Form or Genre Terms:**
- Articles
- Instructional materials
- Reprints