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# Guide to the Marcel Schein Papers 1929-1960



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## **Descriptive Summary**

<b>Identifier</b>	ICU.SPCL.SCHEIN
<b>Title</b>	Schein, Marcel. Papers
<b>Date</b>	1929-1960
<b>Size</b>	3 linear feet (6 boxes)
<b>Repository</b>	Special Collections Research Center University of Chicago Library 1100 East 57th Street Chicago, Illinois 60637 U.S.A.
<b>Abstract</b>	This collection contains correspondence, proposals, reports, notes, manuscripts, photographs, diagrams, and films pertaining to physicist Marcel Schein's research on cosmic rays.

## **Information on Use**

### **Access**

This collection is open for research.

### **Citation**

When quoting material from this collection, the preferred citation is: Schein, Marcel. Papers, [Box #, Folder #], Special Collections Research Center, University of Chicago Library.

### **Biographical Note**

Marcel Schein, born in Czechoslovakia in 1902, was educated at the University of Vienna, the University of Wurzburg, and the University of Zurich, where he received his Ph.D. magna cum laude. After teaching in several European universities, he emigrated to the United States in 1938. In that year, he was appointed a research associate in the Department of Physics at the University of Chicago. In 1946, he was appointed professor of physics and a member of the staff of the Institute for Nuclear Studies, until his death in 1960. His major field of research was in the investigation of cosmic rays.

### **Scope Note**

The Marcel Schein Papers primarily consist of proposals, reports, manuscripts, notes, diagrams and articles pertaining to Schein's research into cosmic rays during the 1940s and 1950. It is organized into nine series: Series I General Files; Series II Proposals; Series III Reports; Series IV Notes and Diagrams; Series V Notebooks and Research Albums; Series VI Drafts and Manuscripts; Series VII Published Articles and Books; and Series VIII Audio-Visual.

Series I, General Files, consists of general files, including awards, correspondence, and a list of conferences that Schein participated in.

Series II, Proposals, consists of research and budget proposals.

Series III, Reports, contains reports submitted by Schein to various organizations, including the United States Navy and the University of Chicago.

Series IV, Notes and Diagrams, consists of undated fragmentary drafts, research notes, photographs of equipment, diagrams and graphs.

Series V, Notebooks and Research Albums, consists of two research notebooks and four research albums containing graphs, diagrams and photographs. Each research album was removed from their original binders and placed into folders.

Series VI, Drafts and Manuscripts, consists of manuscripts and corrected drafts of various articles and reports.

Series VII, Published Articles and Books, contains some of Schein's published articles and books. Also included in this series are galley proofs and reprints.

Series VIII, Audio-Visual, consists of photographs of equipment, graphs and diagrams directly related to research, and various photographs not directly pertaining to Schein's research. The graphs and diagrams are included in this series because they were originally filed with the equipment photographs. Two collections of non-research photographs, the Balloon Photograph Album and the Mount McKinley Album, were removed from their original binders and placed in folders. Also contained within this collection are glass plate photographs pertaining to Schein's Expedition to Mount Elbrus, and six reels of 16mm film covering cosmic ray experiments in Guam, the Caribbean, and Stagg Field at the University of Chicago.

## **Related Resources**

The following related resources are located in the Department of Special Collections:

<http://www.lib.uchicago.edu/e/spcl/select.html>

## **Subject Headings**

- Schein, Marcel, 1902-1960
-

- University of Chicago
- Cosmic rays
- Physicists
- Hot air balloons
- Elbrus, Mount (Russia)
- McKinley, Mount (Alaska)

## **INVENTORY**

### **Series I: General Files**

#### **Box 1**

##### **Folder 1**

Awards, 1956, 1957

#### **Box 1**

##### **Folder 2**

Correspondence, 1951-1960

#### **Box 1**

##### **Folder 3**

Open Letter to Members of the International Cooperative Emulsion Projects, 1959

#### **Box 1**

##### **Folder 4**

Programs of conferences and discussions in which Schein participated, 1957, undated

### **Series II: Proposals**

#### **Box 1**

##### **Folder 5**

Budget Proposal for Office of Navy Research, undated

#### **Box 1**

##### **Folder 6**

Research Proposals to the Office of Naval Research for Cosmic Ray Research, 1953-1954

#### **Box 1**

##### **Folder 7**

Research Proposals to the Office of Naval Research for Cosmic Ray Research, 1957

#### **Box 1**

##### **Folder 8**

Research Proposals to the Office of Naval Research for Cosmic Ray Research, 1958

#### **Box 1**

##### **Folder 9**

Research Proposals to the Office of Naval Research for Cosmic Ray Research, 1959

#### **Box 1**

##### **Folder 10**

Research Proposals to the National Science Foundation, 1957-1958, undated

#### **Box 1**

##### **Folder 11**

Various Research Proposals, 1956-1958, undated

### **Series III: Reports**

**Box 1**

**Folder 12**

Reports on Office of Naval Research research, 1947-1958

**Box 1**

**Folder 13**

Report on University of Chicago Large Rectangular Cloud Chamber and Carnegie Model C Meters, undated

**Box 1**

**Folder 14**

Report on "Cosmic Ray Reconnaissance, Mt. McKinley, Alaska," 1947-1949

**Box 1**

**Folder 15**

Report on Summer Institute for Cooperative Emulsion Research at the University of Chicago, July and August, 1956

**Box 1**

**Folder 16**

Report on Research in the Ultra-High Energy Field, 1958

**Box 1**

**Folder 17**

Reports on Research Projects at University of Chicago, 1955-1959

**Series IV: Notes and Diagrams**

**Box 2**

**Folder 1**

Handwritten Notes and Diagrams, undated

**Box 2**

**Folder 2**

Handwritten Notes and Diagrams, undated

**Box 2**

**Folder 3**

Handwritten Notes and Diagrams, undated

**Box 2**

**Folder 4**

Notes and Fragmentary Drafts, undated

**Box 2**

**Folder 5**

Notes and Fragmentary Drafts, undated

**Box 2**

**Folder 6**

Notes and Fragmentary Drafts, undated

**Box 2**

**Folder 7**

Graphs and Diagrams, undated

**Series V: Notebooks and Research Albums**

**Box 2**

**Folder 8**

Bound Notebook labeled "S.S.," undated

**Box 2**

**Folder 9**

Bound Bibliographic Notebook, undated

**Box 2**

**Folder 10**

Untitled Research Album #1, undated

**Box 2**

**Folder 11**

Untitled Research Album #1, undated

**Box 2**

**Folder 12**

Untitled Research Album #1, undated

**Box 2**

**Folder 13**

Untitled Research Album #1, undated

**Box 3**

**Folder 1**

Untitled Research Album #2, undated

**Box 3**

**Folder 2**

Untitled Research Album #2, undated

**Box 3**

**Folder 3**

Untitled Research Album #2, undated

**Box 3**

**Folder 4**

Untitled Research Album #3, undated

**Box 3**

**Folder 5**

Untitled Research Album #4, undated

**Box 3**

**Folder 6**

Untitled Research Album #4, undated

**Series VI: Drafts and Manuscripts**

**Box 3**

**Folder 7**

Early drafts of articles with corrections, undated

**Box 3**

**Folder 8**

Early drafts of articles with corrections, undated

**Box 3**

**Folder 9**

Article manuscripts, undated

**Box 3**

**Folder 10**

Carbon copies of article manuscripts, undated

**Box 3**

**Folder 11**

Mimeographed copies of article manuscripts, undated

**Box 3**

**Folder 12**

Mimeographed copies of article manuscripts, undated

**Series VII: Published Articles and Books**

**Box 3**

**Folder 13**

Reprints and galley proofs of articles, 1944-1955, undated

**Box 3**

**Folder 14**

Offprint titles, A-M

**Box 3**

**Folder 15**

Offprint titles, N-Z

**Box 3**

**Folder 16**

Opitsche Messungen am Quecksilber-Atom, 1929

**Series VIII: Audio-Visual**

**Box 4**

**Folder 1**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 2**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 3**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 4**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 5**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 6**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 7**

Photographs of equipment, graphs and diagrams, undated



**Box 4**

**Folder 8**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 9**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 10**

Photographs of equipment, graphs and diagrams, undated

**Box 4**

**Folder 11**

Photographs of equipment, graphs and diagrams, undated

**Box 5**

**Folder 1**

Photographs of equipment, graphs and diagrams, undated

**Box 5**

**Folder 2**

Photographs of equipment, graphs and diagrams, undated

**Box 5**

**Folder 3**

Photographs of equipment, graphs and diagrams, undated

**Box 5**

**Folder 4**

Photographs of equipment, graphs and diagrams, undated

**Box 5**

**Folder 5**

Photographs of equipment, graphs and diagrams, undated

**Box 5**

**Folder 6**

Photographs of equipment, graphs and diagrams, undated

**Box 5**

**Folder 7**

Balloon Photograph Album, 1948

**Box 5**

**Folder 8**

Balloon Photograph Album, 1948

**Box 5**

**Folder 9**

Balloon Photograph Album, 1948

**Box 5**

**Folder 10**

Balloon Photograph Album, 1948

**Box 5**

**Folder 11**

Balloon Photographs, undated

**Box 5**

**Folder 12**

Photographs of equipment, undated

**Box 5**

**Folder 13**

U.S.S. Valley Forge Photographs and Certificate

**Box 5**

**Folder 14**

Photographs of transporting cosmic ray equipment from Brazil to Bolivian High Altitude Laboratory on Mount Chalcalyaya, undated

**Box 5**

**Folder 15**

Mount McKinley Photograph Album, 1949

**Box 5**

**Folder 16**

Mount McKinley Photograph Album, 1949

**Box 5**

**Folder 17**

Unidentified Photographs

**Box 6**

**Folder 1**

Expedition to Mount Elbeus glass slides, undated

**Box 6**

**Folder 2**

Guam balloon flights, undated

**Box 6**

**Folder 3**

Caribbean expedition, balloon flight no. 1, 16mm film, 1960

**Box 6**

**Folder 4**

Caribbean expedition, balloon flight no. 2, 16mm film, 1960

**Box 6**

**Folder 5**

Balloon Test, Stagg Field, 16mm film, September 6,

**Box 6**

**Folder 6**

Balloon Test, Stagg Field, 16mm film, October 21,

**Box 6**

**Folder 7**

Balloon Test, Stagg Field, 16mm film, 1952-1954