

# Guide to the Rupert Wildt Papers

MS 800



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## Collection Overview

**REPOSITORY:** Manuscripts and Archives  
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**CALL NUMBER:** MS 800

**CREATOR:** Wildt, Rupert, 1905-1976

**TITLE:** Rupert Wildt papers

**DATES:** 1876-1981

**PHYSICAL DESCRIPTION:** 8.5 linear feet

**LANGUAGE:** English

**SUMMARY:** The papers consist of correspondence, writings, notes and offprints documenting Rupert Wildt's career as a professor in the Yale University department of astronomy (1946-1976), president of the Association of Universities for Research in Astronomy (1965-1968) and as visiting lecturer at universities in the United States and abroad.

**ONLINE FINDING AID:** To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/mssa.ms.0800>

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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.ms.0800>.

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

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## Administrative Information

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### Immediate Source of Acquisition

Gift of Mrs. Rupert Wildt, 1977.

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## Conditions Governing Access

The materials are open for research.

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## Conditions Governing Use

Copyright status for collection materials is unknown. Transmission or reproduction of materials protected by U.S. Copyright Law (Title 17, U.S.C.) beyond that allowed by fair use requires the written permission of the copyright owners. Works not in the public domain cannot be commercially exploited without permission of the copyright owners. Responsibility for any use rests exclusively with the user.

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## Preferred Citation

Rupert Wildt Papers (MS 800). Manuscripts and Archives, Yale University Library.

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## Biographical / Historical

Rupert Wildt was born in Munich, Germany on June 25, 1905. Wildt arrived in the United States in 1935 and served as a research associate at Princeton (1937-1942), assistant professor at the University of Virginia (1942-1946), and a member of the Yale University faculty (1946-1976). At Yale Wildt held the positions of chairman in the Astronomy Department (1966-1968) and professor emeritus (1973-1976). He was active in several professional organizations. Wildt died in Orleans, Massachusetts on January 9, 1976.

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## Scope and Contents

The papers consist of correspondence, organizational files, notes, writings, and other papers documenting the professional career of astrophysicist Rupert Wildt. The papers were donated to Yale University by Mrs. Rupert Wildt in 1977. They are arranged in five series: I. Correspondence, 1946-1974; II. Organizations, 1949-1981; III. Personal Papers, 1898-1968; IV. Writings, 1928-1972; V. Writings of Others, 1876-1974.

The Rupert Wildt Papers are arranged in sixteen boxes. This includes one box of oversized items arranged at the end of the collection, as well as an addition received in 2001.

SERIES I, CORRESPONDENCE, 1946-1974, contains letters with colleagues and associates which detail a variety of academic and professional concerns.

SERIES II, ORGANIZATIONS, 1949-1981, contains files for several academic, scientific, and professional organizations. Files for the Association of Universities for Research in Astronomy (AURA) includes material relating to Wildt's service as president (1965-1968; 1971-1972), chairman of the board (1973-1976), and director (1958-1976). Files for the Kitt Peak National Observatory (KPNO) document Wildt's tenure as director (1965-1971) of that institution.

SERIES III, PERSONAL PAPERS, 1898-1968, includes early family documents and letters of recommendation.

SERIES IV, WRITINGS, 1928-1972, contains drafts of articles; partial bibliographies; notes and equations relating to scientific research (including oversize material in box 15); notes and teaching materials on a range of subjects including cosmochemistry, kinetics, planetochemistry, and thermodynamics; and reprints of articles.

SERIES V, WRITINGS OF OTHERS, 1876-1974, contains typescripts of work collected by Wildt and includes material from students and colleagues. Printed material includes published items of a similar nature.

## **Arrangement**

Arranged in five series and one addition: I. Correspondence, 1946-1974. II. Organizations, 1949-1981. III. Personal Papers, 1898-1968. IV. Writings, 1928-1972. V. Writings of Others, 1876-1974.

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## Collection Contents

### Series I: CORRESPONDENCE, 1946-1974

1 linear foot (3 boxes)

This series contains correspondence arranged in two sections: *General* and *Select*. General files are arranged in chronological order. Select files are arranged in alphabetical order.

General		
b. 1, f. 1-22	1946 May - 1961 July	1946 May - 1961 July
b. 2, f. 23-38	1961 August - 1974	1961 August - 1974
Select		
b. 2, f. 39	DeMarcus, Wendell C.	1958-1963
b. 2, f. 40	DeMarque, Pierre Raymond	1967-1972
b. 2, f. 41	Edmondson, Frank K.	1964-1968
b. 2, f. 42	Oxenius, Joachim	1965-1967
b. 3, f. 43	Pritchett, Henry S.	1941-1966
b. 3, f. 44-45	Street, William B.	1967-1970
b. 3, f. 46	Waddell, John H.	1961-1964

**Series II: ORGANIZATIONS, 1949-1981***1.5 linear feet (4 boxes)*

This series contains an alphabetical arrangement of files according to the name of the organization.

b. 4, f. 47	Academic Press, Inc.	1955-1961
b. 4, f. 48	<i>American Journal of Science</i> English	1949-1953
b. 4, f. 49-61	Association of Universities for Research in Astronomy	1949-1975
b. 4, f. 62-63	<i>The Astrophysical Journal</i>	1959-1971
b. 5, f. 64-68	CTIO	1963-1967
b. 5, f. 69	Acta Geochímica	1950-1967
b. 5, f. 70-71	ICARUS	1961-1971
b. 5, f. 72-73	Jupiter Conference	1962-1963
b. 5, f. 74-79	Kitt Peak National Observatory	1965 January - 1967
b. 6, f. 80-83	Kitt Peak National Observatory	1968-1981
b. 6, f. 84-85	Liège Symposium	1956-1963
b. 6, f. 86	NASA	1968-1971
b. 6, f. 87	NATO Advanced Study	1965-1973
b. 6, f. 88	Royal Astronomical Society	1966-1969
b. 6, f. 89	Springer-Verlog, Berlin	1954-1955
b. 7, f. 90	Universidad Nacional de México	1960-1965
b. 7, f. 91	Universität Basel	1960
b. 7, f. 92-94	Universität München	1953-1962
b. 7, f. 95	Universität Münster	1956-1958
b. 7, f. 96	University of Washington	1963-1964
b. 7, f. 97-98	Yale University	1958-1974

**Series III: PERSONAL PAPERS, 1898-1968***0.25 linear feet (1 box)*

This series contains general files and recommendations; each is arranged in chronological order.

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b. 8, f. 99-100	General	1898-1968
b. 8, f. 101	Recommendations	1958-1972

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**Series IV: WRITINGS, 1928-1972***1 linear foot (3 boxes)*

This series contains writings arranged in five sections: *Articles*, *Bibliographies*, *Notes and Equations*, *Notes and Teaching Materials*, and *Reprints of Articles*.

Articles		
b. 9, f. 102	"Cosmochemistry," English	1936-1950
b. 9, f. 103	"The Photon Diffusion Equation,"	undated
b. 9, f. 104	"Radiation Transfer," English	undated
b. 9, f. 105-107	"Thermodynamics..." II-IV English	undated
b. 9, f. 108	Bibliographies	1928-1972
b. 9, f. 109-133	Notes and Equations	1938-1954, undated
Notes and Teaching Materials		
b. 9, f. 134	Fluctuations	1969
b. 9, f. 135-136	Astronomy	undated
b. 9, f. 137	Data of Cosmochemistry	undated
b. 9, f. 138	Externals	undated
b. 9, f. 139	General Theory of Matter	undated
b. 9, f. 140	Grey Atmosphere	undated
b. 9, f. 141	Interstellar Matter	undated
b. 9, f. 142	Literature	undated
b. 10, f. 143	Kinetics	undated
b. 10, f. 144	Mathematics	undated
b. 10, f. 145	Planetochemistry	undated
b. 10, f. 146	Solar and Stellar Chemistry	undated
b. 10, f. 147	Stress-Strain, Stationary State	undated
b. 10, f. 148	Thermodynamics	undated
b. 10, f. 149	Transfer Theory	undated
b. 10, f. 150-151	Variation Principles	undated
Reprints of Articles		

## Reprints of Articles (continued)

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b. 10, f. 152-159	1928-1966	1928-1966
b. 11, f. 160-164	1966-1972, undated	1966-1972, undated

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**Series V: WRITINGS OF OTHERS, 1876-1974***1 linear foot (3 boxes)*

This series contains writings arranged in two sections: *Typescripts* and *Printed Material*. Each section is arranged in chronological order.

Typescripts		
b. 12, f. 165	Langevin	1927
b. 12, f. 166	Gilmore	1956
b. 12, f. 167	Kröll	1966
b. 12, f. 168	Anonymous	1971
b. 12, f. 169-170	Gal-Or	1971-1973
b. 12, f. 171	Anonymous	1973
b. 12, f. 172	Hamity	undated
b. 12, f. 173	Hayashi	undated
b. 12, f. 174	Oxenius	undated
Printed Material		
b. 12, f. 175-179	1876-1946	1876-1946
b. 13, f. 180-187	1947-1963	1947-1963
b. 14, f. 188-197	1964-1974, undated	1964-1974, undated

**OVERSIZE MATERIAL**

## Notes, equations, and computer printouts

b. 15, f. 198	Dilute equilibrium radiation	1965, undated
b. 15, f. 199	Equilibrium radiation: thermodynamic functions	1952, undated
b. 15, f. 200	Gray planetary atmosphere	1961, 1965, undated
b. 15, f. 201	Gray planetary atmosphere with Kataari source function	undated
b. 15, f. 202	Miscellaneous	undated

**Accession 2001-M-001: Additional Material**

## Correspondence

b. 1, f. 1	Kabala, Robert E. [includes draft of "The Greenhouse Effect for Inhomogeneous Finite Gray Atmospheres"]	1966-1967
b. 1, f. 2	Sagan, Carl	1970 January 27
b. 1, f. 3	Ueno, Sueo	1968 September
b. 1, f. 4	Notes and equations	

## Writings

b. 1, f. 5	"The Geochemistry of the Atmosphere and the Constitution of the Terrestrial Planets" [fragment, draft of introductory address] English	1941
b. 1, f. 6	"Introductory Report: Planetary Interiors" [1962?] English	

## **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**

Astronomers  
Astronomy -- Research  
Astronomy -- Study and teaching  
Astrophysics  
Science

### **Names**

Wildt, Rupert, 1905-1976

### **Corporate Bodies**

Association of Universities for Research in  
Astronomy  
Kitt Peak National Observatory  
Yale University. Department of Astronomy  
Yale University -- Faculty