



Smithsonian

National Museum of American History Kenneth E. Behring Center

Fritz P. Grutzner Papers

NMAH.AC.1540

Alison Oswald

2023

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Table of Contents

Collection Overview	
Administrative Information	1
Content Description	2
Arrangement	2
Names and Subjects	
Container Listing	

Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Fritz P. Grutzner Papers
Date:	1911-2000 (bulk 1950s)
Identifier:	NMAH.AC.1540
Source:	National Museum of American History (U.S.). Division of History of Technology (Collector) National Museum of American History (U.S.). Division of Mechanical and Civil Engineering
Extent:	.50 Cubic feet (2 boxes)
Language:	English .
Summary:	Collection documents solar energy, particularly for use in residential homes.

Administrative Information

Acquisition Information

Collection assembled by Fritz P. Grutzner; donated to National Museum of History and Technology prior to 1976.

Provenance

Collection transferred to the Archives Center from the Division of Work & Industry in February 2022.

Processing Information

Collection processed by Alison Oswald, archivist, 2023.

Preferred Citation

Fritz P. Grutzner Papers, Archives Center, National Museum of American History

Restrictions

Collection is open for research but is stored off-site and special arrangements must be made to work with it. Contact the Archives Center for information at archivescenter@si.edu or 202-633-3270.

Conditions Governing Use

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Content Description

Papers document the activities of Fritz P. Grutzner of Milwaukee, Wisconsin and his interest to build a home in Fort Lauderdale, Florida "energized" by the sun. Included is correspondence with various manufacturers of materials and power companies concerning solar energy, copies of articles on solar heating, trade literature, notes and calculations, and mimeographed proceedings of the Conference on Solar Energy held in Tucson, Arizona in 1955.

Arrangement

Collection is unarranged.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Calculators
- Solar energy
- Solar heating

Types of Materials:

- Drawings
- Trade catalogs

Names:

- National Museum of American History (U.S.). Division of History of Technology
- National Museum of American History (U.S.). Division of Mechanical and Civil Engineering

Places:

- Milwaukee (Wis.)
- Tucson (Ariz.)

Container Listing

Box 1, Folder 1	Bibliography on Domestic and Industrial Applications of Solar Heating, 1950
Box 1, Folder 2	Correspondence of Fritz Grutzner (A-M), 1955 Notes: File consists primarily of incoming correspondence to Fritz Grutzner and relates to solar heating. The correspondence is arranged alphabetically and contains trade literature and other product information from companies such as Owens-Illinois, Dow Chemical Company, and Minnesota Mining & Mfg., newspaper clippings, reprints of articles related to solar energy, and a U.S. Department of Commerce Weather Bureau, Local Climatological Data (1954),
Box 1, Folder 3	Correspondence of Fritz Grutzner (N-Z), 1955
Box 1, Folder 4	Sun at Work. Solar Engineering Exhibit, Phoenix, Arizona, 1955-10-29-1955-11-13
Box 1, Folder 5	Slides, [Solar Engineering Exhibit, Phoenix, Arizona?], 1955
Box 1, Folder 6	Conference on Solar Energy, list of papers presented at conference, 1955
Box 1, Folder 7	Conference on Solar Energy: The Scientific Basis, University of Arizona, Tucson, session descriptions (Monday), 1955-10-31
Box 1, Folder 8	Conference on Solar Energy: The Scientific Basis, University of Arizona, Tucson, session descriptions (Tuesday), 1955-11-01
Box 2, Folder 1	Baumer, Herbert. Solar Design, 1947-06
Box 2, Folder 2	Duwez, Pol. The Operation and Use of a Lens-Type Solar Furnace, 1955
Box 2, Folder 3	Ghai, M.L. Commercial Development of Solar Cookers (abstract), 1955-10-18
Box 2, Folder 4	Ghaswala, S.K. Solar Heating, 1951-03
Box 2, Folder 5	Greeves-Carpenter, C.F. Sun's Rays Used for Refrigeration, 1935-12
Box 2, Folder 6	Heywood, Harold. Introductory Remarks to Session on Solar House Heating, 1955-11-03
Box 2, Folder 7	Hottel, Hoyt C. Evaluation of Flat-Plate Solar Collector Performance , 1942
Box 2, Folder 8	Hottel, Hoyt C. The Engineering Utilization of Solar Energy, undated
Box 2, Folder 9	Hutchinson, F.W. A Rational Basis for Solar Heating Analysis, 1946-06
Box 2, Folder 10	Hutchinson, F.W. Solar irradiation of Walls and Windows, 1949-06

Box 2, Folder 11	Jordan, Richard C. Mechanical Energy from Solar Energy, 1955-11-03
Box 2, Folder 12	Lazlo, Tibor S. A Guiding Sustum for Solar Furnaces, undated
Box 2, Folder 13	Lof, George O.G. Domestic Hot Air Heating with Overlapped-Plate Solar Collector, 1911-11-03
Box 2, Folder 14	Morse, Roger N. Solar Water Heaters, 1955-11-03
Box 2, Folder 15	Muncey, R.W. Calculation of temperatures Inside Buildings Having Viable External Conditions, 1952-11-19
Box 2, Folder 16	Parmelee, George V. Solar and Total Heat Gain Through Double Flat Glass, 1958-06
Box 2, Folder 17	Robertson, Nath. Solar Machines, 1955-11-02
Box 2, Folder 18	Sargent, Henry B. Association for Applied Solar Energy, 1955-11-02
Box 2, Folder 19	Telkes, Maria. Solar Stills, 1955-11-02
Box 2, Folder 20	Trombe, Felix. High Temperature Furnaces, 1955-11-02
Box 2, Folder 21	Whillier, Austin. The Design of a Solar Heated House for the New England Region, 1955-11-03
Box 2, Folder 22	Utilization of Solar Energy. Some General Background Information on the Age-Old Challenge to man's Ingenuity. Stanford Research Institute, 1955-11
Box 2, Folder 23	Novoid engine description, undated
Box 2, Folder 24	Aeronautics, 1961-10
Box 2, Folder 25	Aviation Week and Space Technology, 1961-05-22
Box 2, Folder 26	Environmental Resources Trust, Inc. , 1990s
Box 2, Folder 27	General Electric Valley Forge Space Technology Center, 1960
Box 2, Folder 28	General Motors. Defense Systems, 1960s
Box 2, Folder 29	Haveg, [1960s?]
Box 2, Folder 30	National Aeronautics and Space Administration (NASA), satellites, 1961
Box 2, Folder 31	Rocketdyne. Division of North American Aviation, Inc. , 1960s

Box 2, Folder 32	Project Telstar. Bell System Satellite Communications , 1962
Box 2, Folder 33	United Aircraft Corporation , [1960s?]
Box 2, Folder 34	How to Build a Better Home, 2000 Notes: File contains a folder from the National Renewable Energy Lab with product information about solar homes gathered from the Solar House Exhibit on the National Mall, April 21-28, 2001.
Box 2, Folder 35	"Builder Sloan Erects First All -Sealed House in America", 1947-04
Box 2, Folder 36	Space Travel and Guided Missile. World Book Encyclopedia, 1959
Box 2, Folder 37	Newspaper clippings and articles, 1941, 1945, 1955, 1959