



# Smithsonian

*National Air and Space Museum*

## Dow Plastic Aircraft Development - Pictorial Summary

2006

National Air and Space Museum Archives  
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## Collection Overview

<b>Repository:</b>	National Air and Space Museum Archives
<b>Title:</b>	Dow Plastic Aircraft Development - Pictorial Summary
<b>Date:</b>	(bulk 1961-1963)
<b>Identifier:</b>	NASM.XXXX.0763
<b>Creator:</b>	Windecker, Leo J., 1921-
<b>Extent:</b>	0.18 Cubic feet ((1 box))
<b>Language:</b>	English .

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## Administrative Information

### Acquisition Information

Unknown

### Preferred Citation

Dow Plastic Aircraft Development - Pictorial Summary, Accession number XXXX-0763, National Air and Space Museum, Smithsonian Institution.

### Restrictions

No restrictions on access.

### Conditions Governing Use

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## Biographical / Historical

Two dentists, Dr. Leo Windecker and his wife Dr. Fairfax Windecker, worked with The Dow Chemical Company in a quest to develop lightweight fiberglass reinforced plastic structures for aviation use. The final result of this experimentation was the Windecker Eagle I, the first all composite aircraft to receive FAA certification.

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## Scope and Contents

This collection consists of 63 8 x 10 black and white photographs depicting the construction process of a composite aircraft. Preceding each photograph is a detailed caption. Thirty five of these photographs were taken by Jack Greenberg on September 25, 1963 and October 8, 1963.

## Names and Subject Terms

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

Subjects:

- Aeronautics
- Aeronautics -- Research
- Aeronautics, Commercial
- Composite materials

Types of Materials:

- Photographic prints

Names:

- Dow Chemical Company