



Smithsonian

National Air and Space Museum

Martin (Glenn L.) (JRM) XPB2M-1R Mars (Model
170) Endurance Flight Collection [Phillips]

2018

National Air and Space Museum Archives
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Table of Contents

Collection Overview	1
Administrative Information	1
Scope and Contents.....	2
Biographical / Historical.....	1
Names and Subjects	2
Container Listing	

Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Martin (Glenn L.) (JRM) XPB2M-1R Mars (Model 170) Endurance Flight Collection [Phillips]
Date:	(bulk 1940-1946)
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Language:	English .

Administrative Information

Acquisition Information

Frederick C. Phillips, Gift, 2018

Preferred Citation

Martin (Glenn L.) (JRM) XPB2M-1R Mars (Model 170) Endurance Flight Collection [Phillips], Acc. 2018-0039, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access.

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Biographical / Historical

Manufactured by the Glenn L. Martin Company, the XPB2M-1 Mars (Model 170) was developed as a prototype for the U.S. Navy in 1938 as a long-range patrol flying boat. This was converted in 1943 into a transport aircraft, designated the XPB2M-1R Mars (Model 170), which involved the addition of additional cargo hatches and cargo loading equipment as well as enlarging of the existing hatches and the removal of armament. Flight testing on the XPB2M-1R began in May 1943 and ended with a 33 hour endurance flight in October of that year. The Navy accepted the aircraft in November 1943. In 1944, the Navy ordered additional transport aircraft that were delivered between 1945 and 1948 as five Martin (Glenn L.) JRM-1 Mars (Model 170A) aircraft and one Martin (Glenn L.) JRM-2 Mars (Model 170B). The Mars was the largest Allied flying boat to enter production. Frederick C. Phillips was an engineer at Glenn L. Martin Company and served as an observer on the Martin (Glenn L.) (JRM) XPB2M-1R Mars (Model 170) endurance flight in October 1943.

Scope and Contents

This collection consists of material relating to Frederick C. Phillips and the Martin (Glenn L.) (JRM) XPB2M-1R Mars (Model 170) endurance flight in October 1943 including several scrapbook pages, photographs, and a technical report on the flight. The scrapbook pages contain various items including additional technical information, news clippings, and a list of regulations and an official breakfast menu for the endurance flight.

Names and Subject Terms

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

Subjects:

- Endurance flights
- Naval aviation
- Seaplanes

Types of Materials:

- Photographs
- Scrapbooks
- Technical reports

Names:

- Glenn L. Martin Company