



Finding Aid for

**CHARLES MAUCH PAPERS, 1948-1995**

**Accession 1793**

Finding Aid Published: January 2014



Benson Ford Research Center, The Henry Ford  
20900 Oakwood Boulevard · Dearborn, MI 48124-5029 USA  
[research.center@thehenryford.org](mailto:research.center@thehenryford.org) · [www.thehenryford.org](http://www.thehenryford.org)

## OVERVIEW

REPOSITORY: Benson Ford Research Center  
The Henry Ford  
20900 Oakwood Blvd  
Dearborn, MI 48124-5029  
[www.thehenryford.org](http://www.thehenryford.org)  
[research.center@thehenryford.org](mailto:research.center@thehenryford.org)

ACCESSION NUMBER: 1793

CREATOR: Mauch, Charles, 1925-1995

TITLE: Charles Mauch papers

INCLUSIVE DATES: 1948-19995

QUANTITY: 1.8 cubic ft.

LANGUAGE: The materials are in English

ABSTRACT: Charles Mauch worked in Ford Motor Company's Special Military Vehicle Operations department. Mauch supervised the design chassis and frame elements of trucks produced for the United States military. The papers include internal company correspondence, engineering reports, company procedure manuals and photographs.

## **ADMINISTRATIVE INFORMATION**

**ACCESS RESTRICTIONS:** The papers are open for research

**COPYRIGHT:** Copyright has been transferred to The Henry Ford by the donor. Copyright for some items in the collection may still be held by their respective creator(s).

**ACQUISITION:** Donation, 1996

**PREFERRED CITATION:** Item, folder, box, accession 1793, Charles Mauch papers, Benson Ford Research Center, The Henry Ford

**PROCESSING INFORMATION:** Collection processed by Paul Schaffner, 1996

**DESCRIPTION INFORMATION:** Original collection inventory list prepared by Paul Schaffner and Peter Kalinski February 2004 and published in January 2014.

Finding aid written by Peter Kalinski and published in January 2014.

Finding aid prepared using Describing Archives: A Content Standard (DACS) and local guidelines.

## BIOGRAPHICAL NOTE

Charles Mauch, born February 27, 1925, worked almost his entire career in Ford Motor Company's Special Military Vehicles Operations (SMVO). He spent three years in the Navy as an aviator (1943-1946) and remained in the Naval Reserves until 1985. He was past president of the Reserve Officers' Association in Michigan. Mauch graduated from the University of Detroit in 1951 with a BS in Mechanical Engineering. He joined Ford Motor Company the same year as a draftsman. After two years in the Tank Division, he moved to SMVO as a design analyst and served as supervisor of the design analysis unit from 1955 to 1959. He was supervisor of the Chassis Section for Light Vehicles from 1959 to 1974 and was responsible for basic engineering designs for the M151 ¼ ton "jeep" truck. He spent the next three years as Principal Design Engineer in the Chassis Section of the Medium and Heavy Trucks Division, moving to diesel engine applications in the same division, and retired from Ford Motor Company in 1981. He continued in an engineering position with U.S. Army Tank-Automotive Command (TACOM) in Warren, Michigan until his final retirement in 1993. Charles Mauch died August 12, 1995.

## SCOPE AND CONTENT NOTE

The Charles Mauch papers highlight Mauch's career at Ford Motor Company as a designer and engineer working on Ford's military vehicle programs. The papers include photographs, correspondence, procedure, and training-related materials for various military heavy trucks.

## ARRANGEMENT

The Charles Mauch papers consist of three series. The **Personal Files series** includes a short biography of Charles Mauch, college project reports, material related to his Naval air service and participation in the Reserve Officers Association. The **Engineering Files series** includes newsletters, correspondence and engineering testing reports covering the design and prototype production of the M151- ¼ ton military truck, the M-408 truck, M-656 truck, tanks and commercial heavy trucks. The series also includes department procedure manuals, management training material and engineering publications. The **Photographs series** includes black and white photographs of Ford designed military vehicles taken during field tests and publicity images.

## **SUBJECT TERMS**

Names, Personal and Corporate  
Mauch, Charles, 1925-1995

Subjects

Armored vehicles, Military  
Mechanical engineers  
Military trucks  
Vehicles, Military--United States

Genre and Form

Photographs

## CONTAINER LIST

**Box no.**                      **Description**

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### PERSONAL FILES

#### Box 1

College Reports, 1948-1951  
Reserve Officers Association, 1974  
Miscellaneous, circa 1965-1995  
U.S. Army Tank Automotive Command (TACOM) newsletter, Sept. – Nov. 1974

### ENGINEERING FILES

Aeroneutronic Newsletter, Jan - May 1966  
An introduction to engineering, process and procedure guides, circa 1974  
Brakes, 1977  
Charles Mauch engineers log, 1959-1960  
Cracking down on corrosion, circa 1978  
Dealerships, 1979  
Differentials  
    Brackets, 1960-1974  
    General, 1967-1973  
    Timken lab report, 1972  
Expense reports, 1968-1974  
Ford Motor Company engineering handbook: fasteners, vol. 1-2, 1977  
Frame bow problems, 1980  
Management communications training material, 1967  
Mechanics of vehicles, circa 1960  
Organizational documents, 1973-1980  
Parallel-axis gears: spur and helical, 1967  
Press releases, 1954-1964  
Problem analysis and decision making, training manual, 1968  
Product engineering procedure manuals, 1973, 1978  
Promotions and vehicle specifications, 1967-1972  
Review and classification of independent rear suspensions, 1964  
Safety and handling, 1963-1978 (3 folders),

#### Box 2

Salaried personnel supervisor's manual, 1972  
Shot-peening Applications, circa 1960  
Special Military Vehicle Operations correspondence and procedures,  
    1959-1974  
Specifications, 1952-1968  
Tank Division, Ford Motor Company telephone directory, 1953  
Tank studies, 1980  
Transmissions, 1973  
Trip reports, 1970, 1972

## **PHOTOGRAPHS**

Pictorial review of M-151 truck program, 1954

### **Box 3**

Military trucks

M-151, 1965-1969 (8 folders)

M-408, 1958

M-656, 1965-1967

Special Military Vehicle Operations office, circa 1955