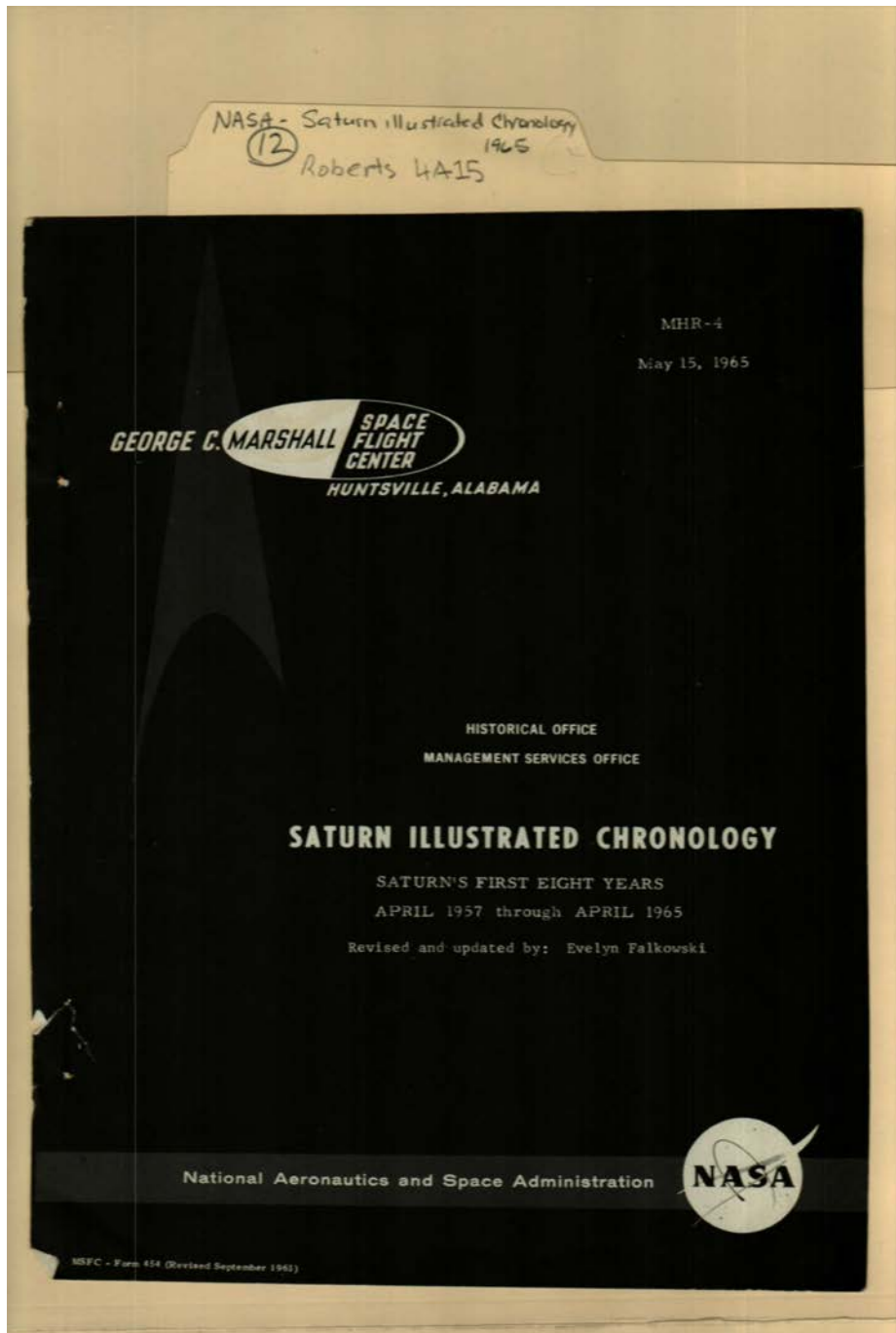


Frances Cabaniss Roberts Collection: Series 4, Subseries A, Box 15, Folder 12

Saturn Illustrated Chronology, 1965 - NASA and MSFC

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Names:

Falkowski, Evelyn
George C. Marshall
Space Flight Center

National Aeronautics
and Space
Administration

Saturn Illustrated
Chronology

Places:

Huntsville, AL

Types:

booklet

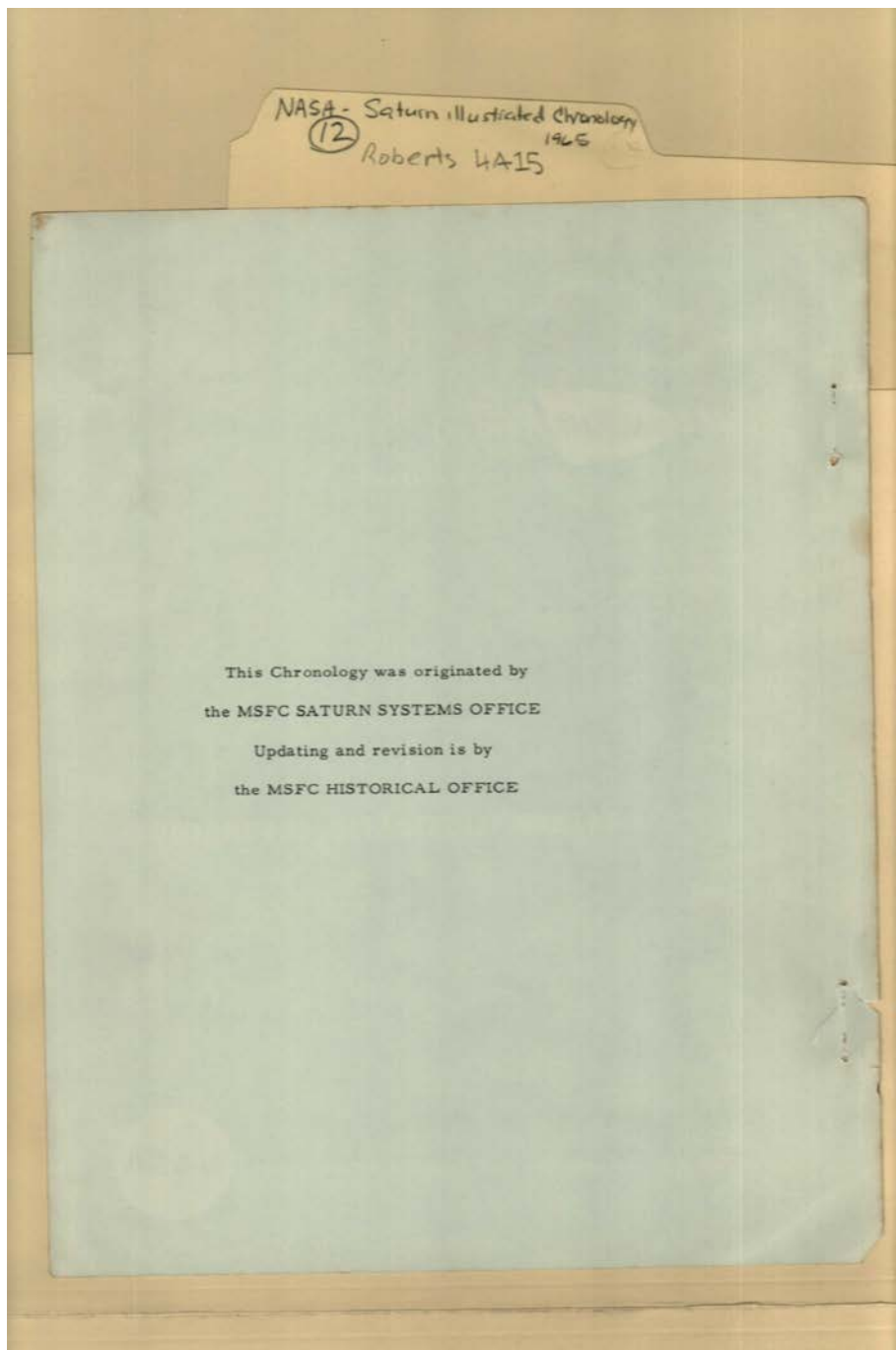
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May 15, 1965

Frances Cabaniss Roberts Collection: Series 4, Subseries A, Box 15, Folder 12

Saturn Illustrated Chronology, 1965 - NASA and MSFC

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Names:

MSFC Historical
Office

MSFC Saturn
Systems Office

Places:

Huntsville, AL

Types:

booklet

Dates:

May 15, 1965

Frances Cabaniss Roberts Collection: Series 4, Subseries A, Box 15, Folder 12

Saturn Illustrated Chronology, 1965 - NASA and MSFC

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NASA - Saturn Illustrated Chronology
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1965

A GENERAL GUIDE TO SUBJECT MATTER

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Names:

Saturn Illustrated Chronology guide to subject matter

Places:

Huntsville, AL

Types:

booklet

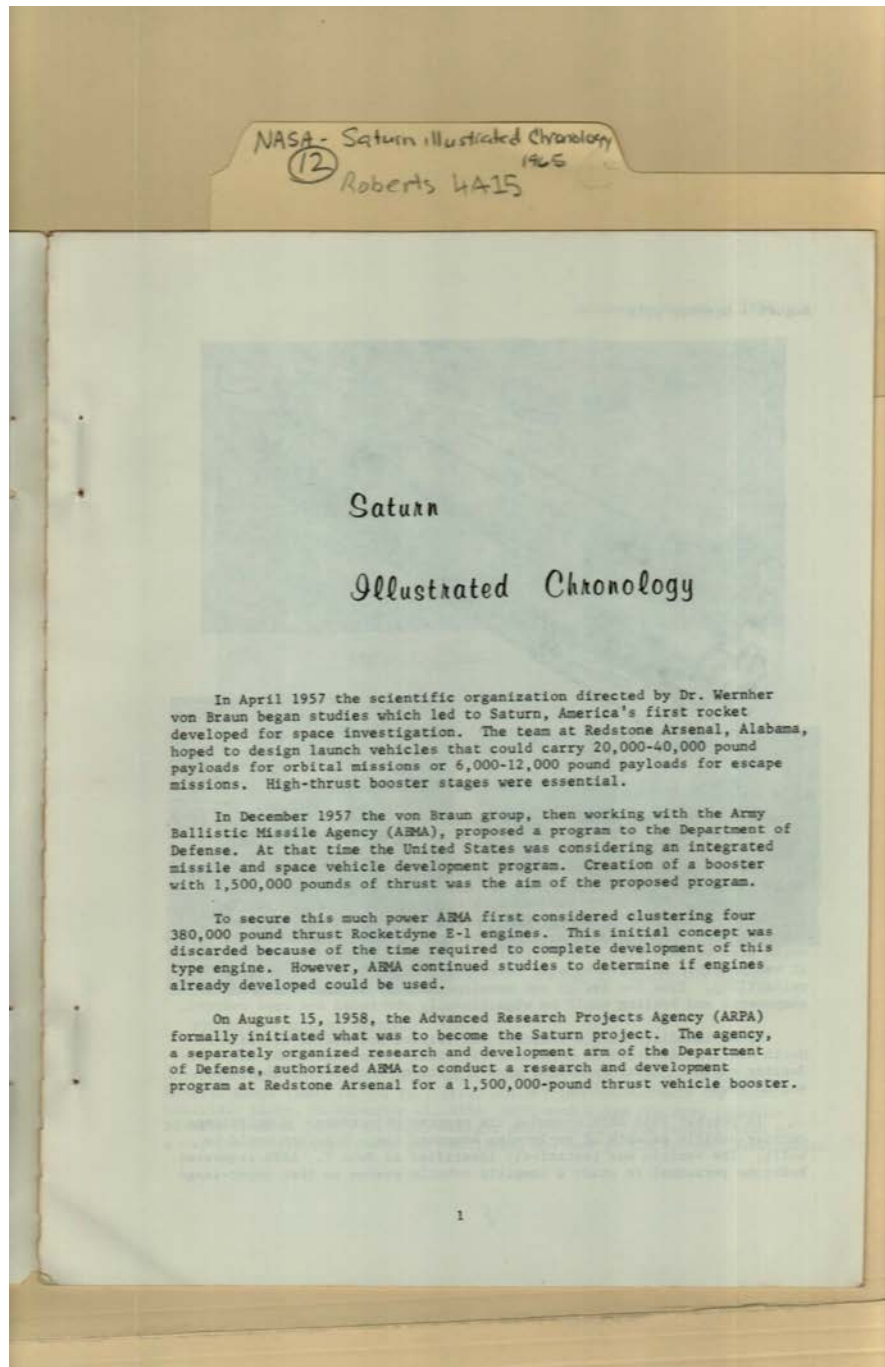
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May 15, 1965

Frances Cabaniss Roberts Collection: Series 4, Subseries A, Box 15, Folder 12

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Names:

Advanced Research
Projects Agency

Army Ballistic
Missile Agency
(ABMA)

Saturn Illustrated
Chronology

von Braun, Wernher,
Dr.

Places:

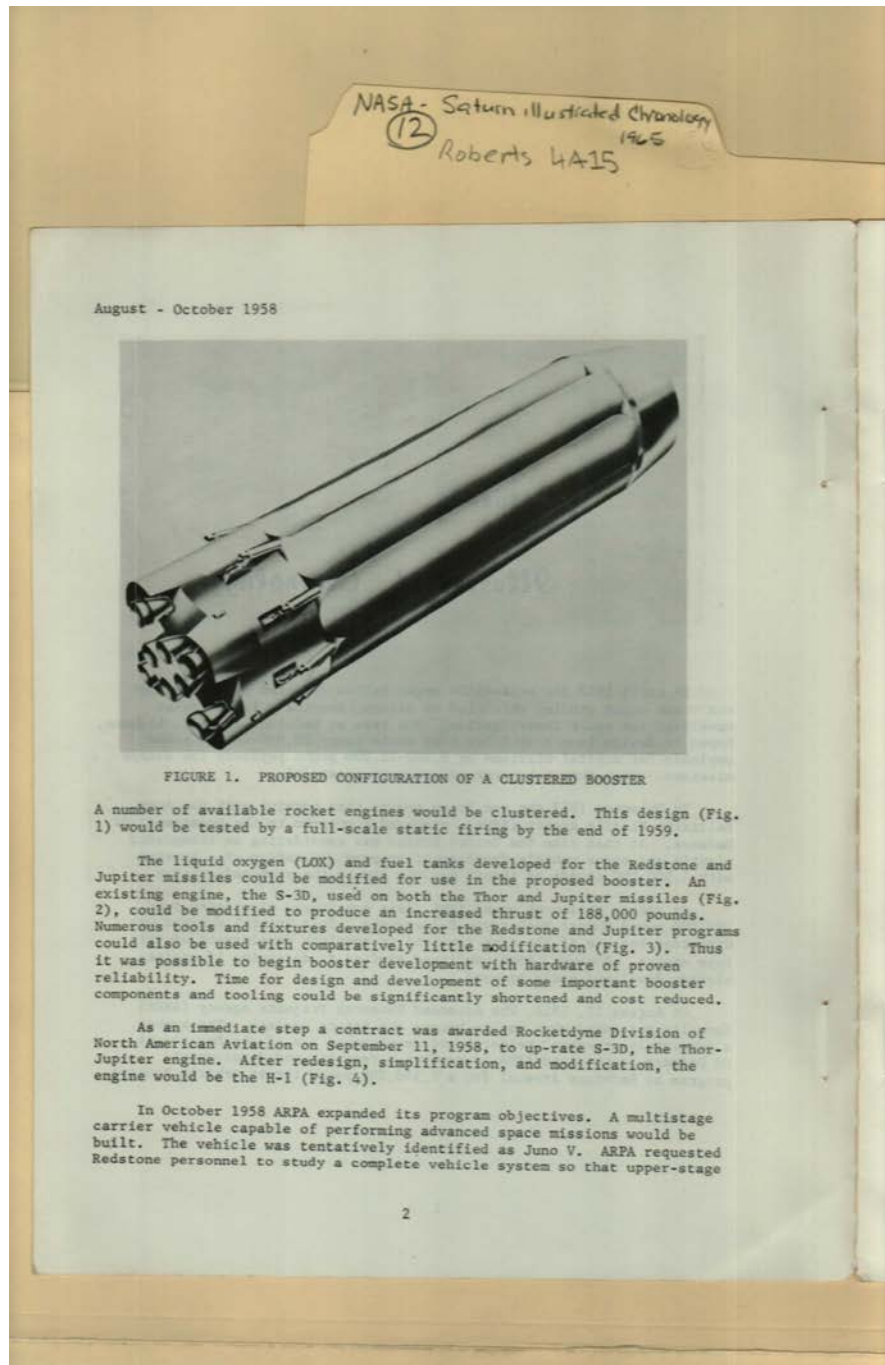
Huntsville, AL

Types:

booklet

Dates:

May 15, 1965



Names:

Clustered boosters

Places:

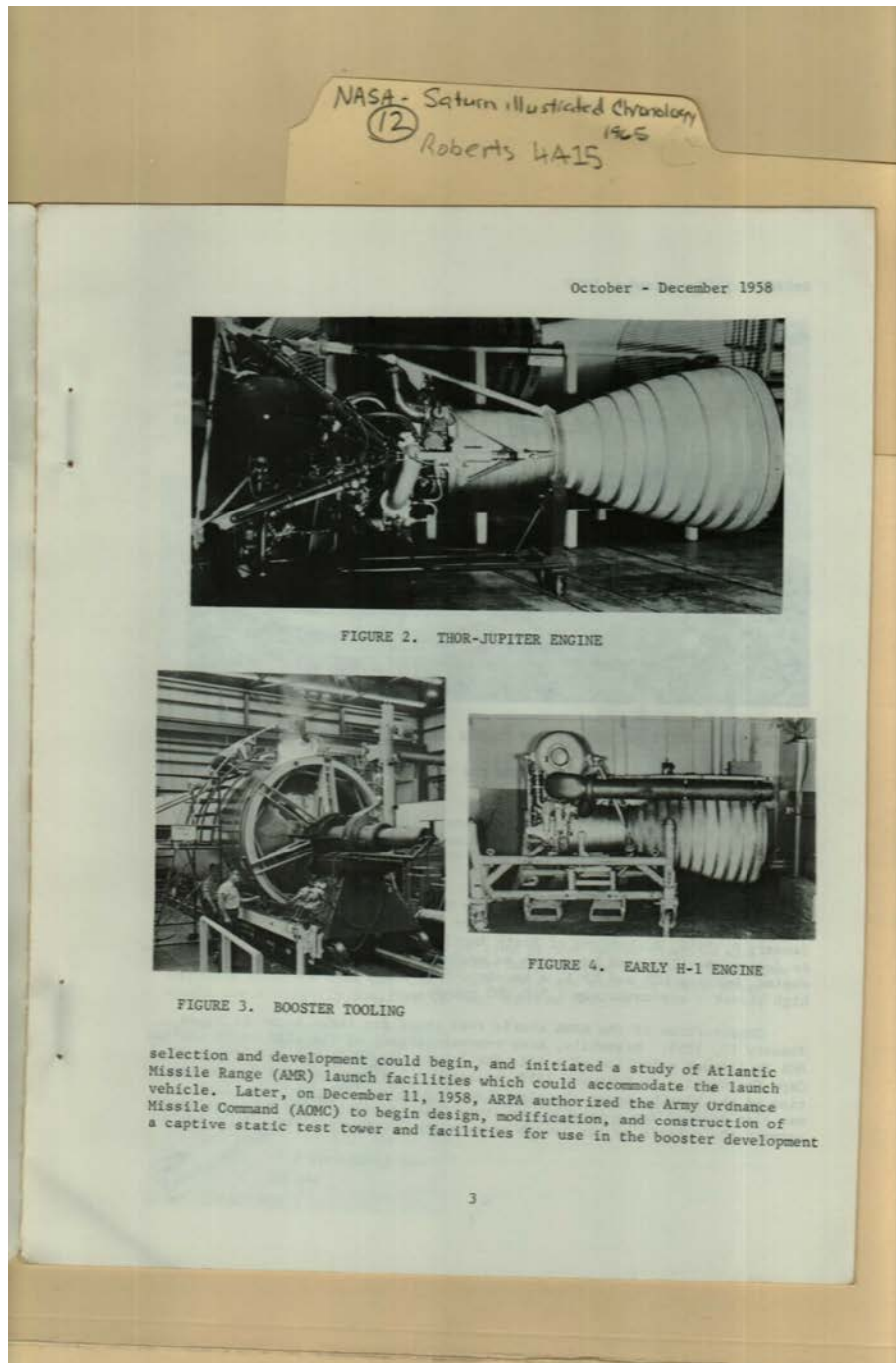
Huntsville, AL

Types:

booklet

Dates:

May 15, 1965



Names:

Army Ordnance
Missile Command

(AOMC)
Booster Tooling

Early H-1 Engine
Thor-Jupiter Engine

Places:

Huntsville, AL

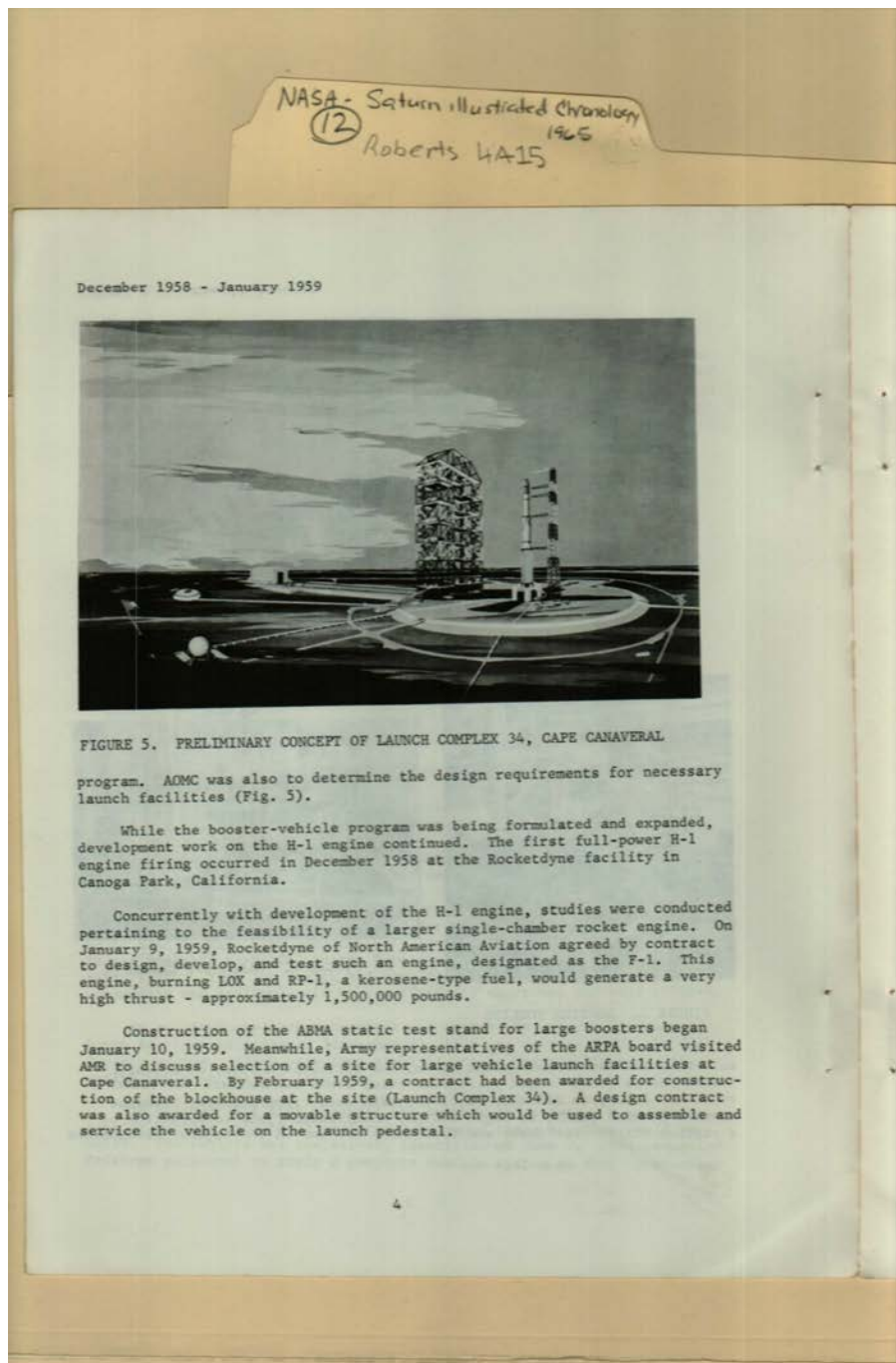
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photograph

Dates:

May 15, 1965



Names:

ABMA static test stand

Launch Complex 34

Places:

Cape Canaveral, FL

Huntsville, AL

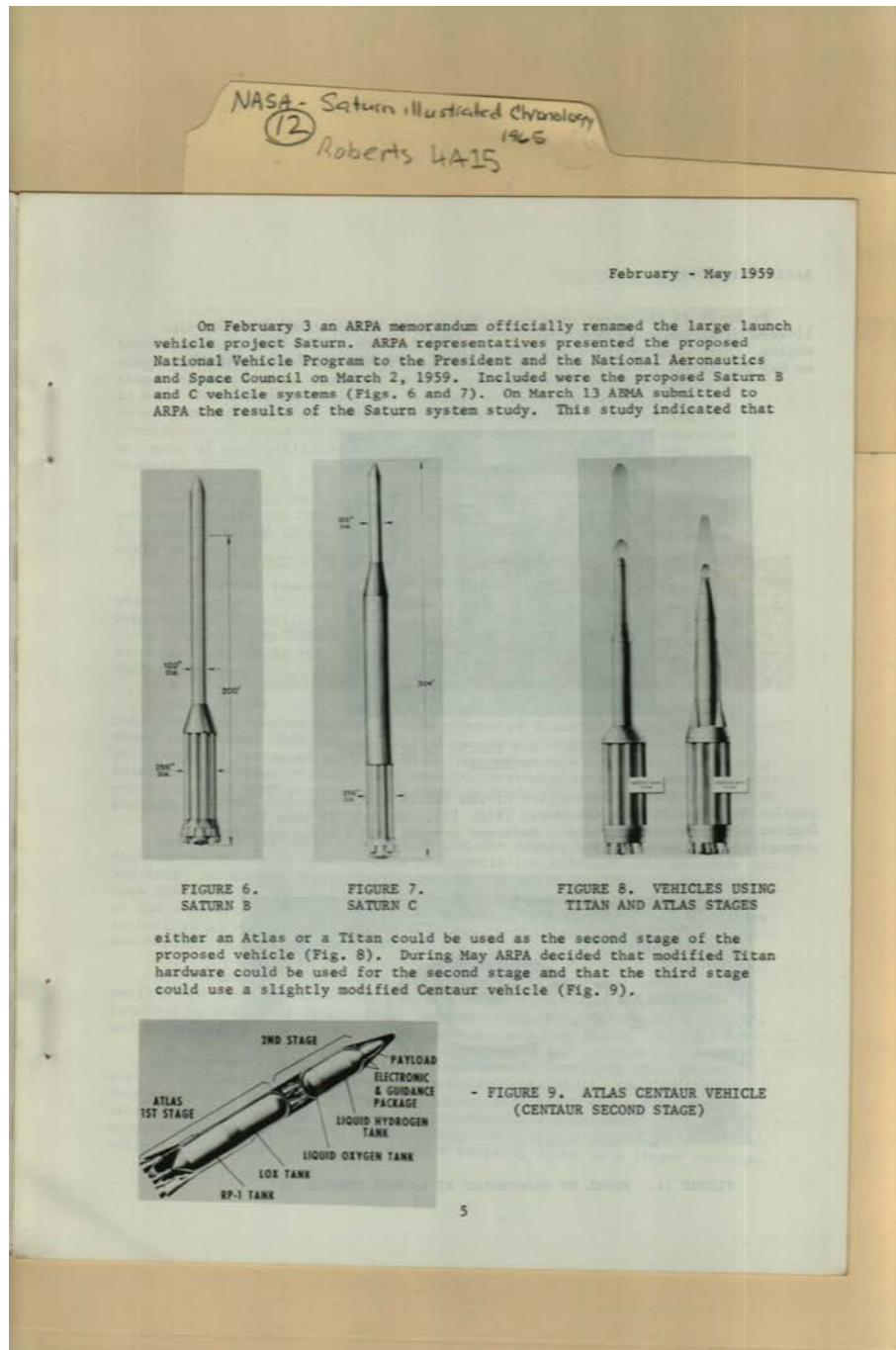
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photograph

Dates:

May 15, 1965



Names:

Atlas Centaur Vehicle
Saturn B

Saturn C
Saturn Project

Titan and Atlas
Stages

Places:

Huntsville, AL

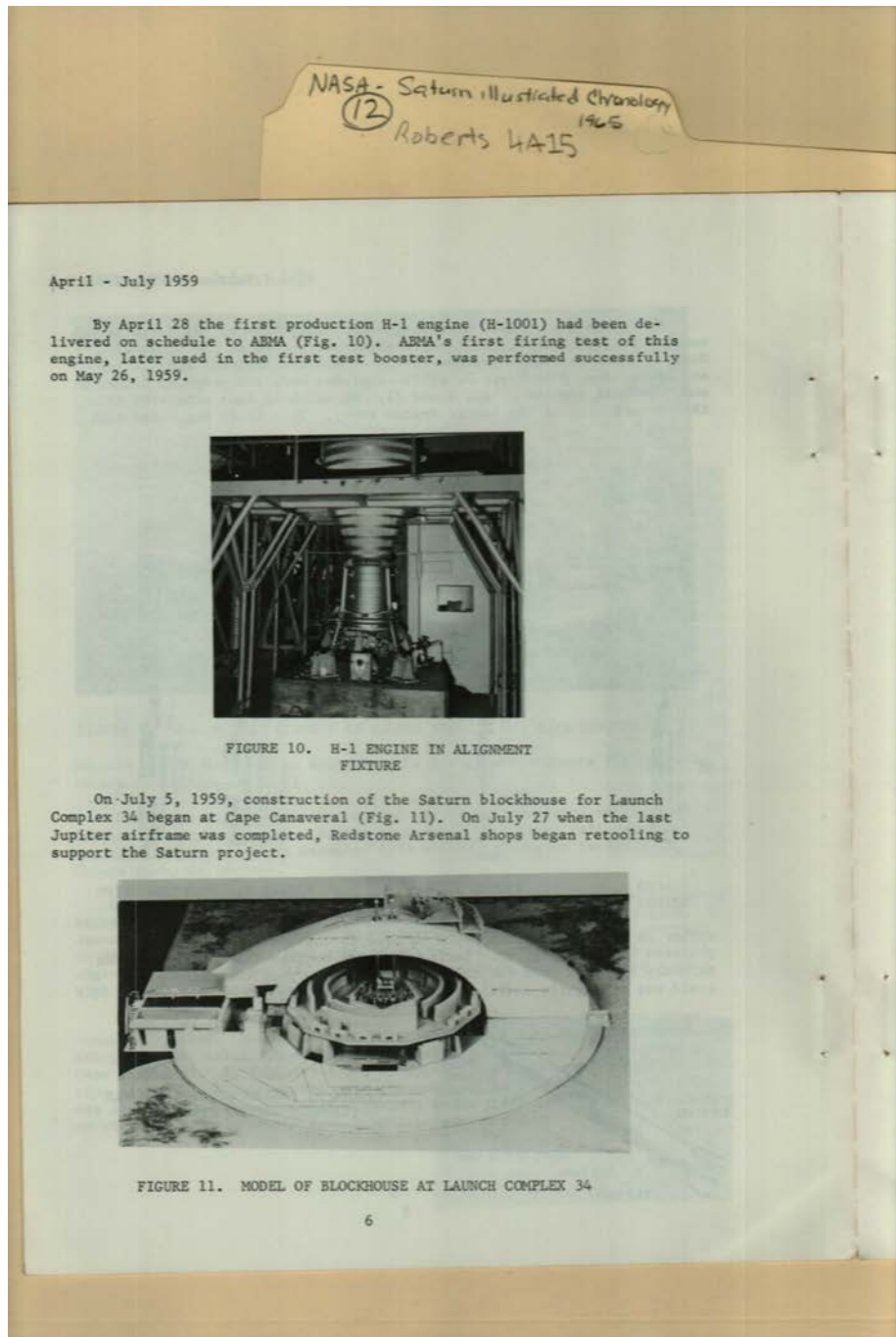
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booklet

photograph

Dates:

May 15, 1965



Names:

H-1 Engine

Model of Blockhouse
at Launch Complex

34
Redstone Arsenal

Places:

Cape Canaveral, FL

Huntsville, AL

Types:

booklet

photograph

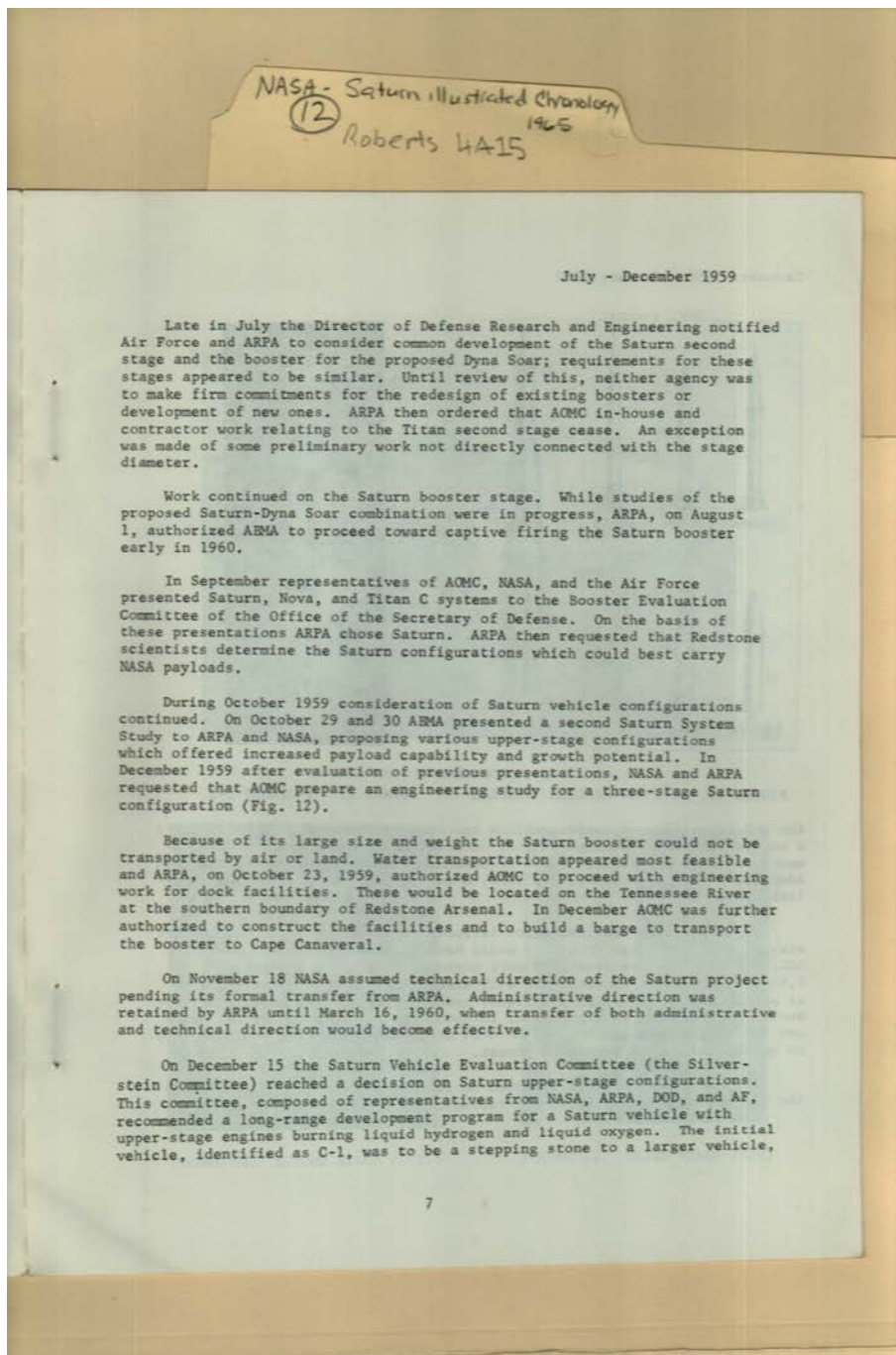
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Names:

Saturn vehicle
evaluation

Places:

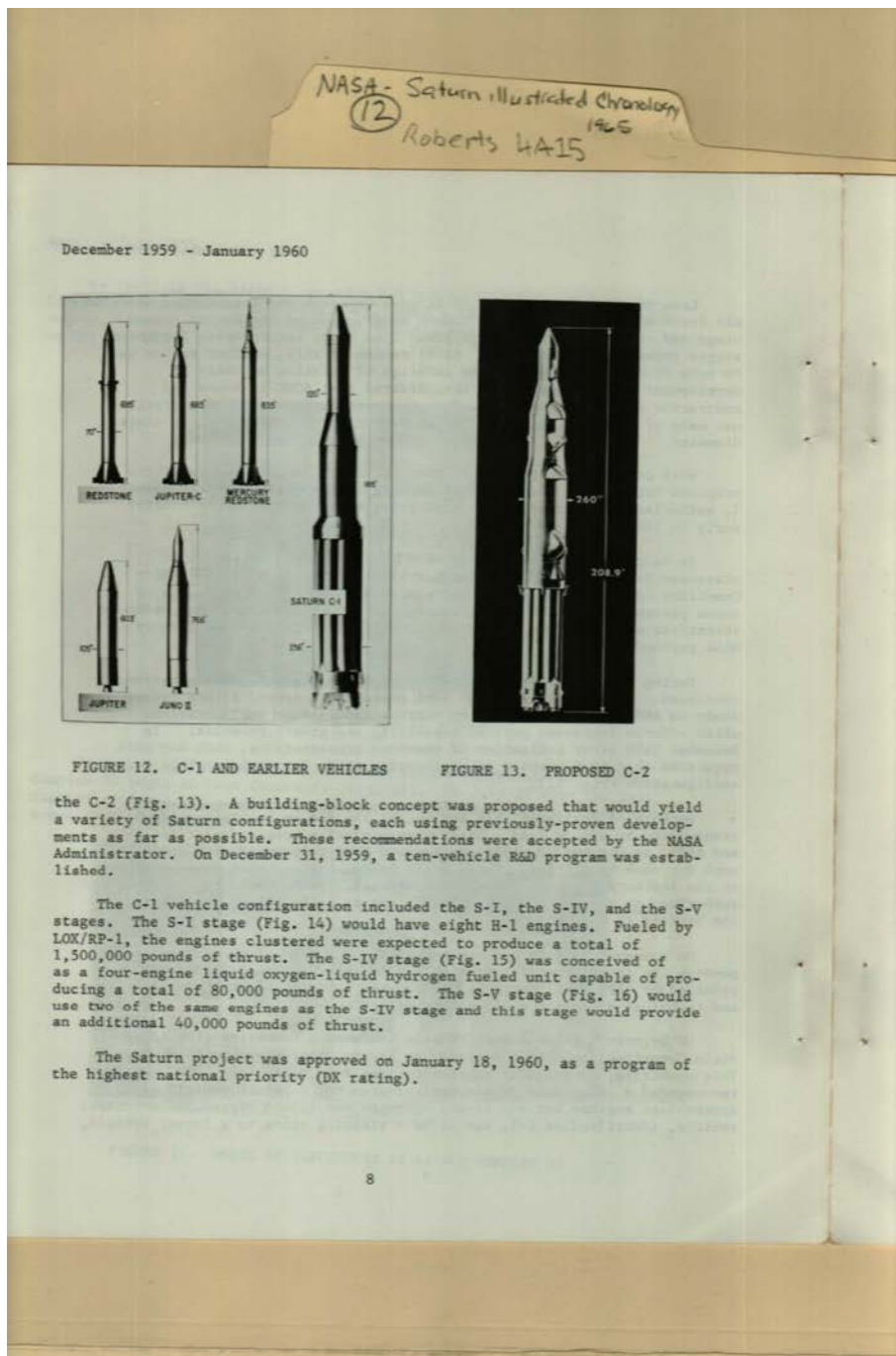
Huntsville, AL

Types:

booklet

Dates:

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Names:

C-1 and earlier vehicles

Proposed C-2

Saturn Project

Places:

Huntsville, AL

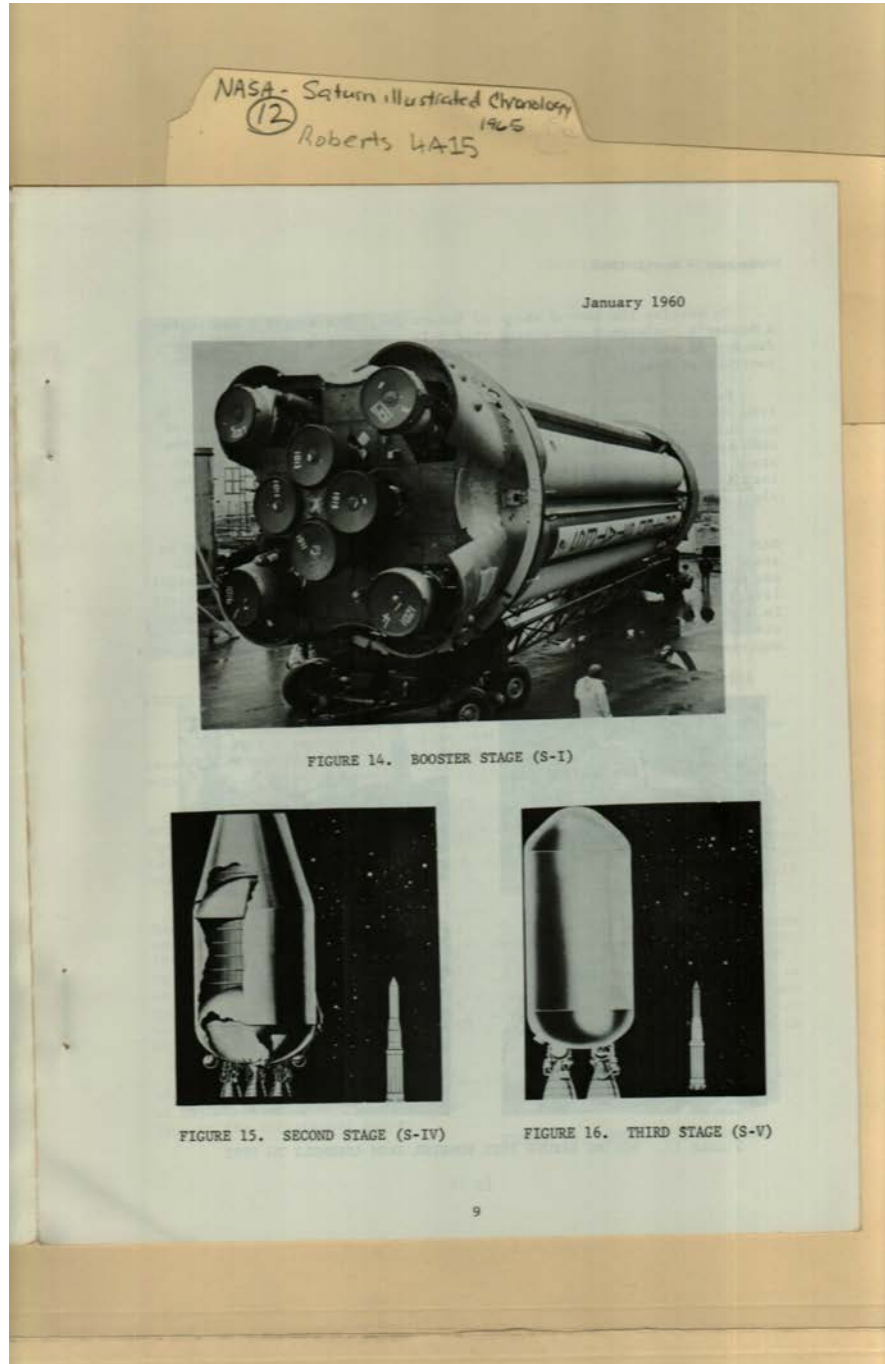
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photograph

Dates:

May 15, 1965



Names:

Booster Stage (S-I)

Second Stage (S-IV)

Third Stage (S-V)

Places:

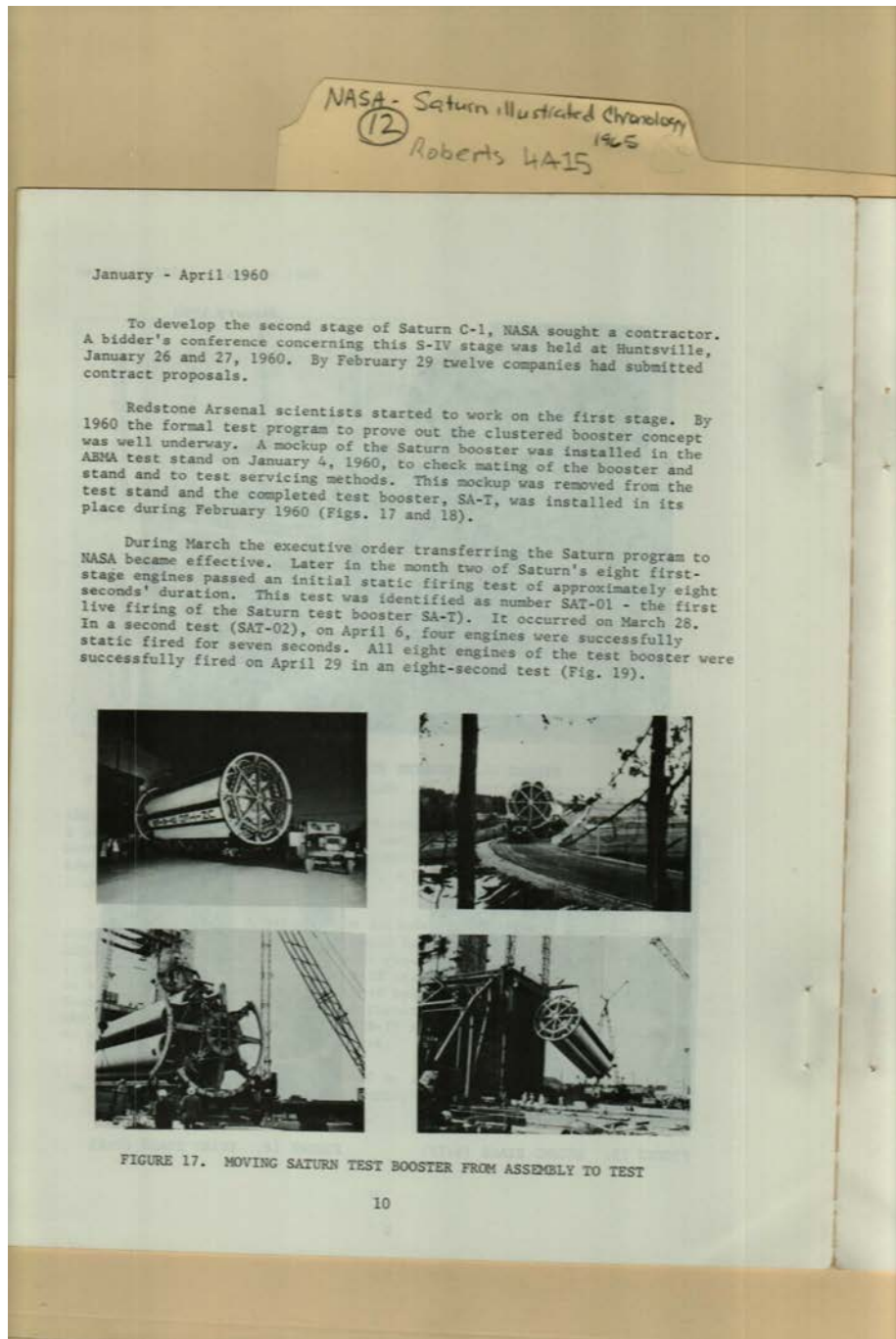
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Moving Saturn Test
Booster

NASA
Saturn C-1

Places:

Huntsville, AL

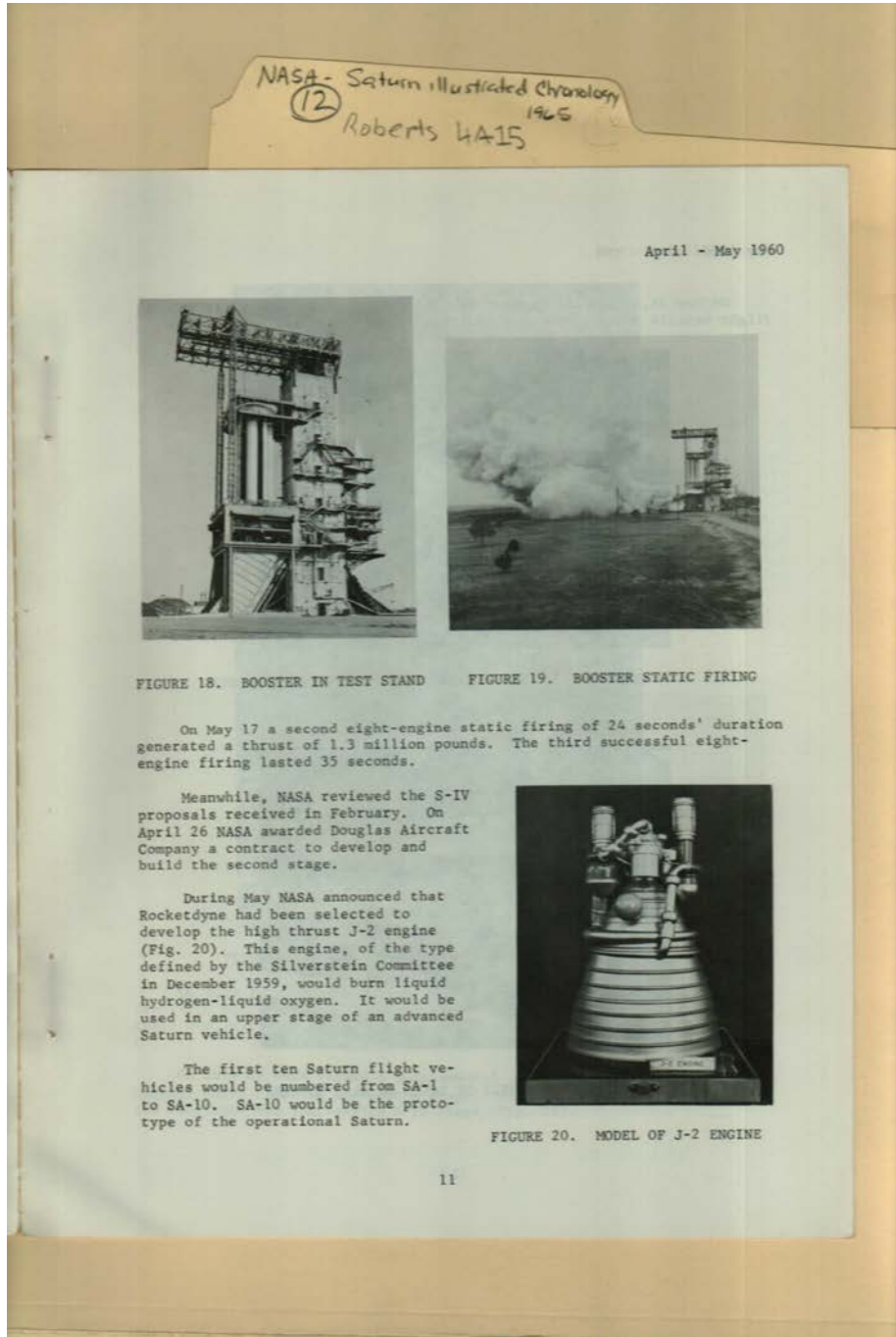
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booklet

photographs

Dates:

May 15, 1965



Names:

Booster Static Firing
Booster in Test Stand

Douglas Aircraft
Company

J-2 Engine Model
Rocketdyne

Saturn flight vehicles

Places:

Huntsville, AL

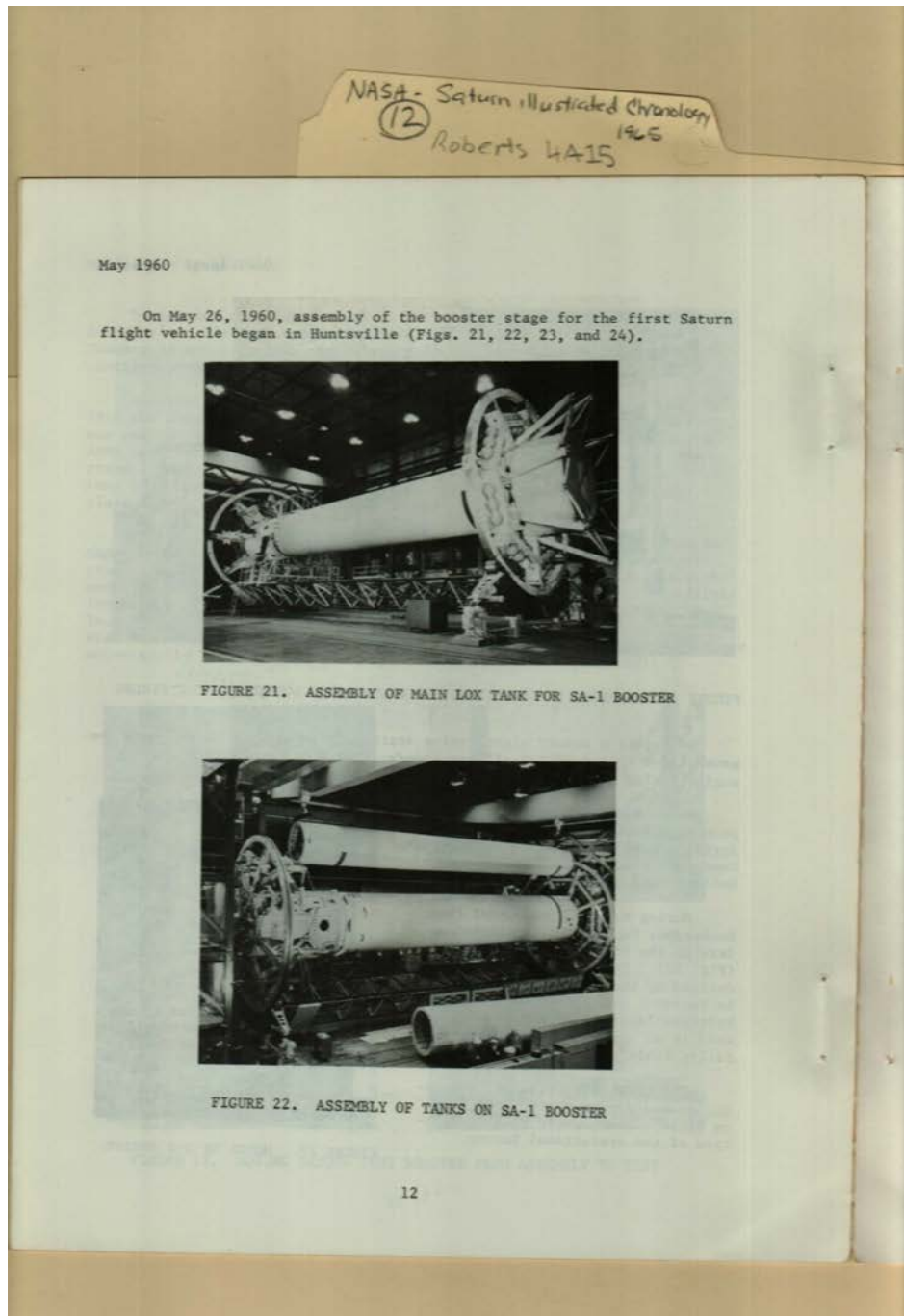
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Dates:

May 15, 1965



Names:

Assembly of Main
LOX Tank for SA-1

Booster

Assembly of Tanks
on SA-1 Booster

Places:

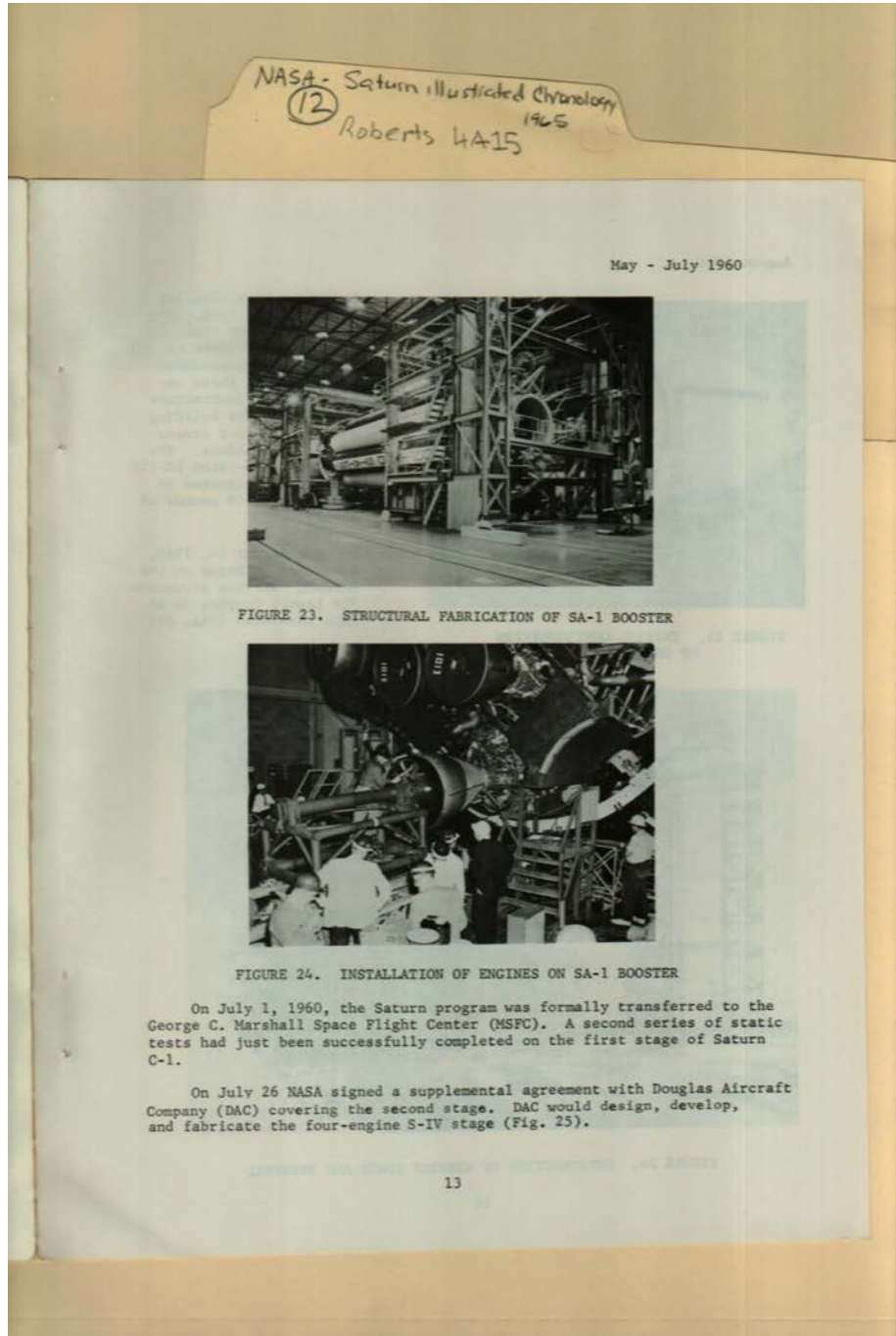
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Installation of
Engines on SA-1
Booster

Saturn program
transferred to
MSFC

Structural Fabrication
of SA-1 Booster

Places:

Huntsville, AL

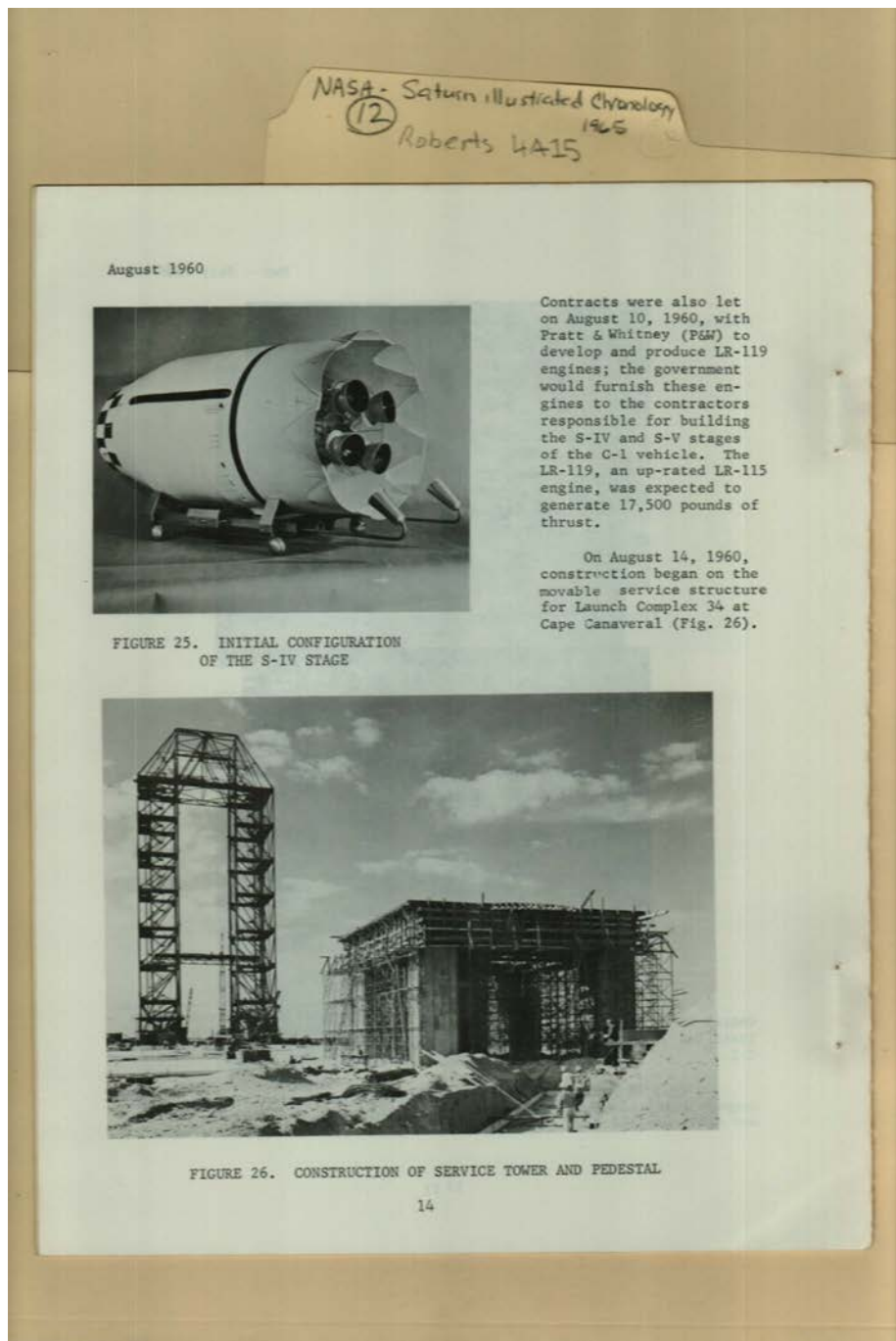
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

Configuration of the SA-4 Stage

Construction of Service Tower and

Pedestal Pratt and Whirney

Places:

Huntsville, AL

Types:

booklet

photograph

Dates:

May 15, 1965

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Names:

Dr. Von Braun and
President Kennedy
Dyna Soar
Eisenhower, President

George C. Marshall
Space Flight Center
(NASA)
Glennan, T. Keith

Marshall, George C.,
Gen. bust unveiled
von Braun, Wernher,
Dr.

Places:

Huntsville, AL

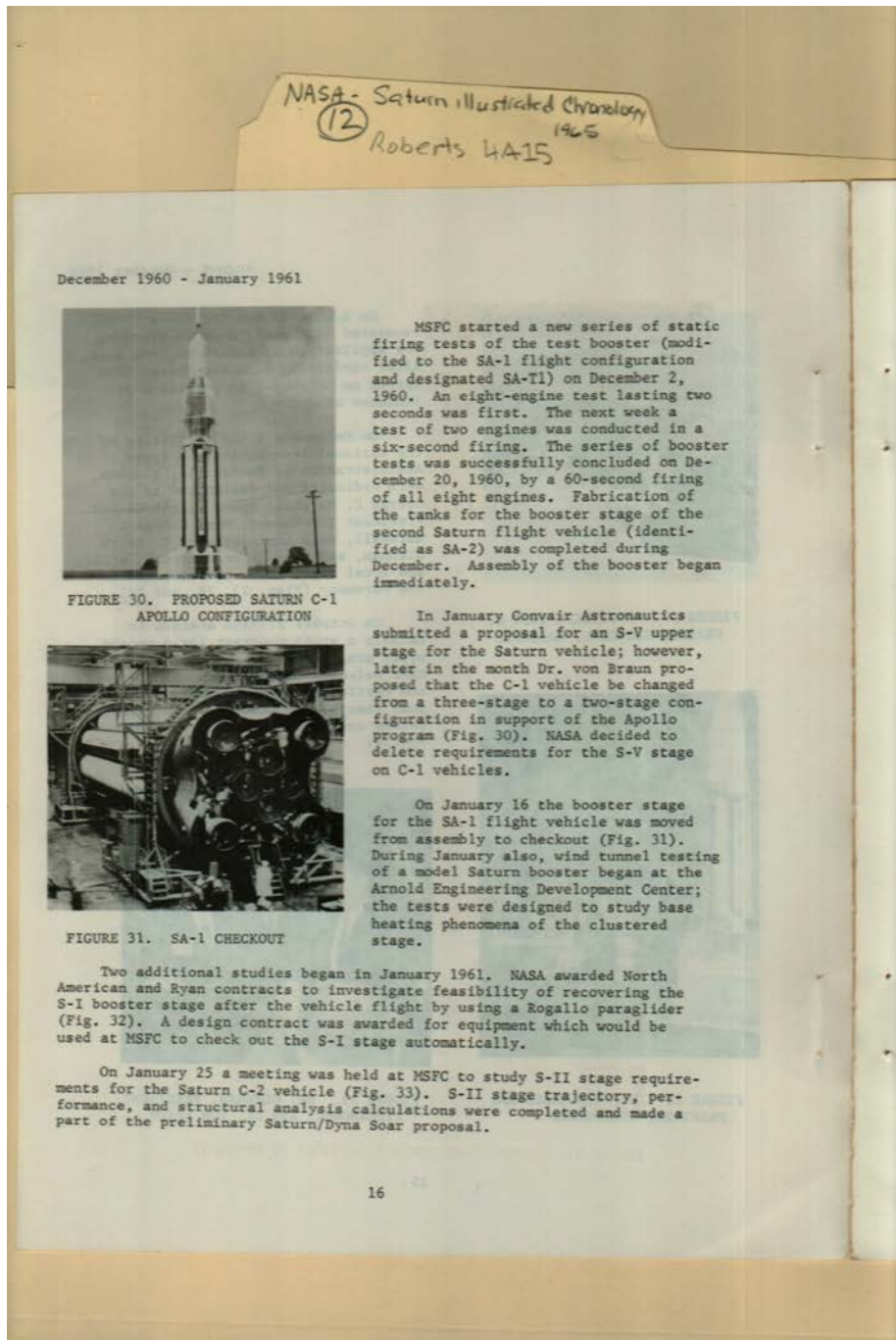
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photograph

Dates:

May 15, 1965



Names:

MSFC static firing tests

Proposed Saturn C-1 Apollo

Configuration SA-1 Checkout

von Braun, Wernher, Dr.

Places:

Huntsville, AL

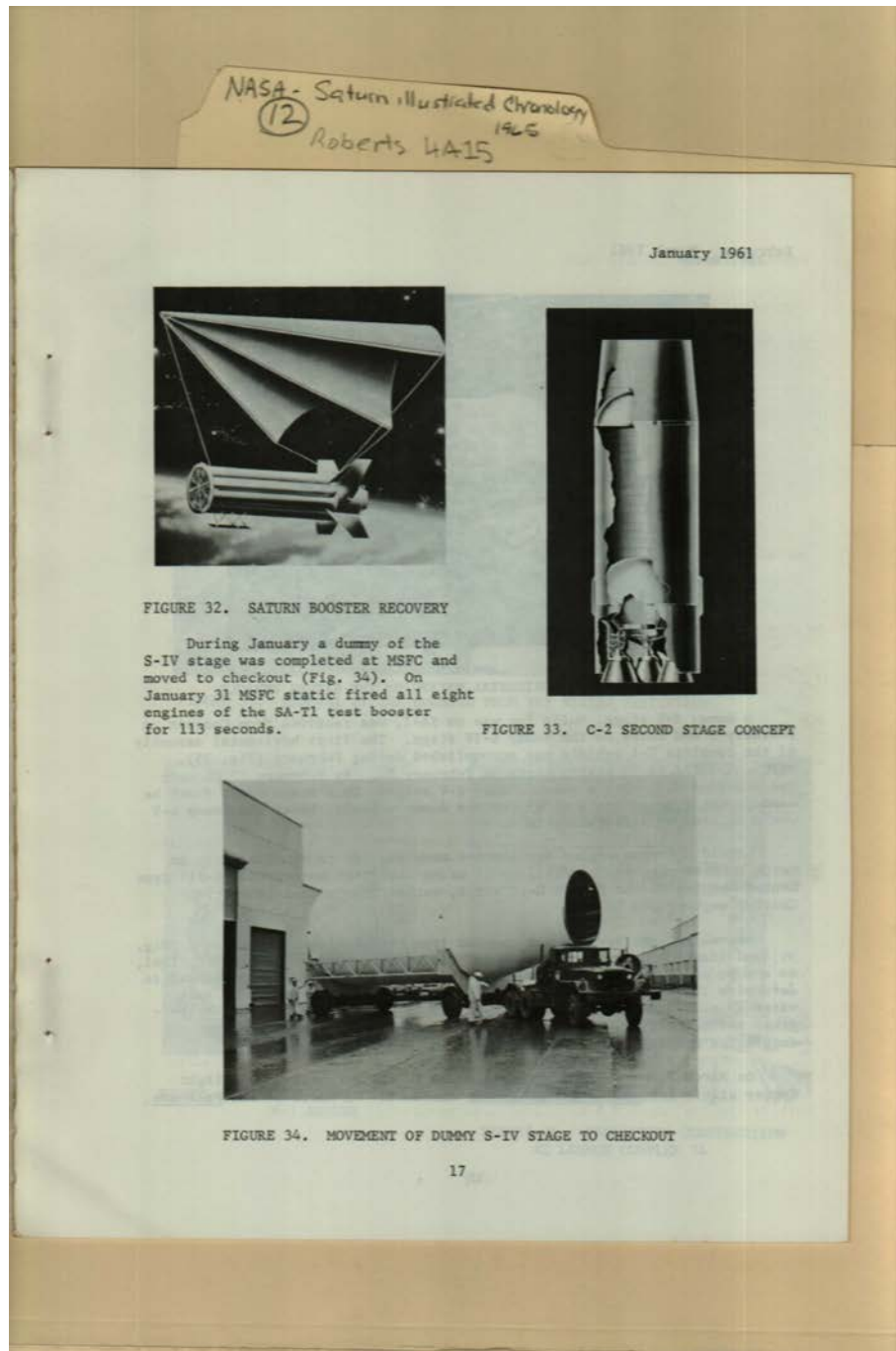
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photograph

Dates:

May 15, 1965



Names:

C-2 Second Stage
Concept

Dummy S-IV Stage
to Checkout

SA-T1 test booster

Saturn Booster
Recovery

Places:

Huntsville, AL

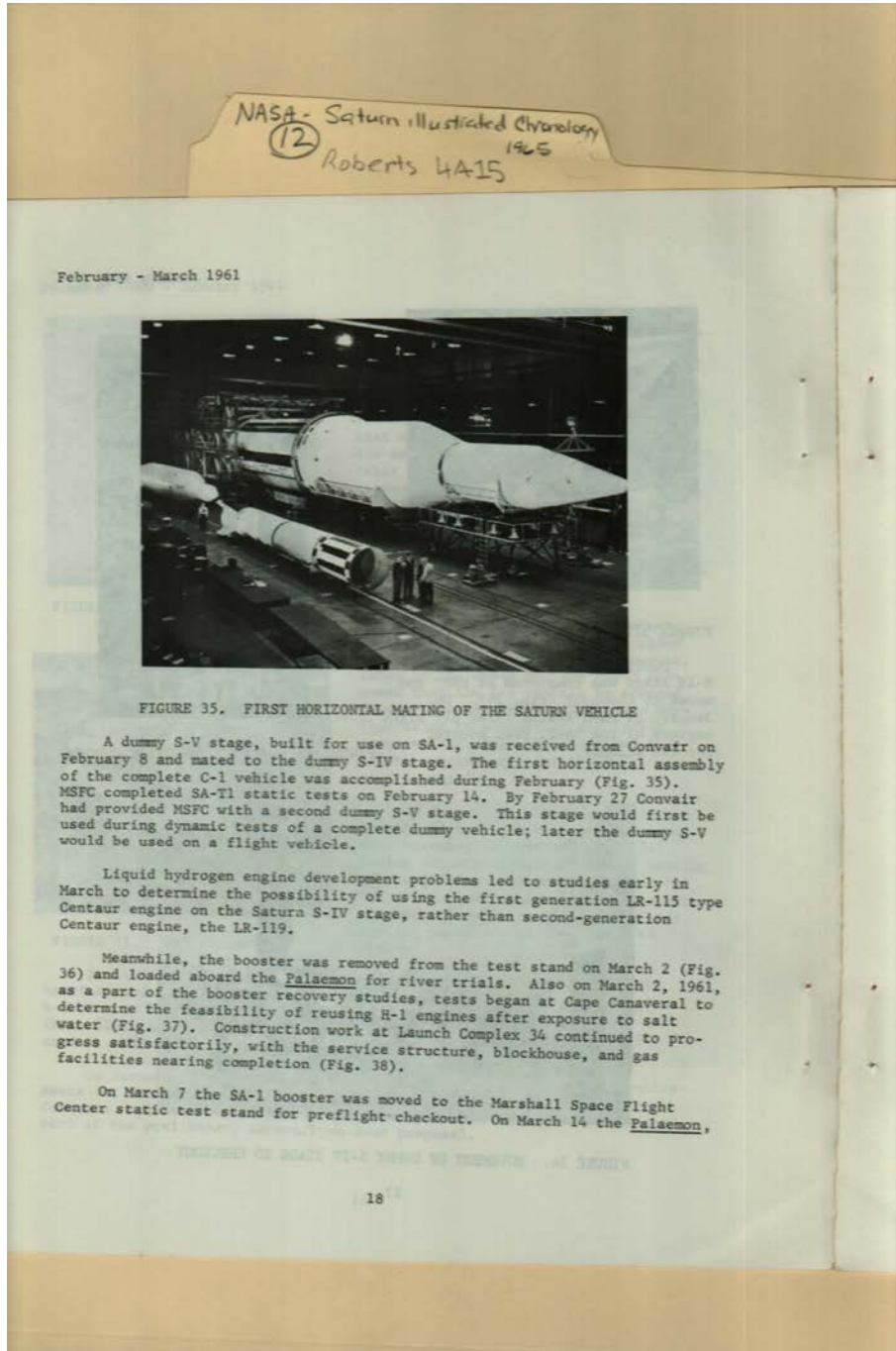
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Dates:

May 15, 1965



Names:

First Mating of the Saturn Vehicle

Palaemon barge river trials

Places:

Huntsville, AL

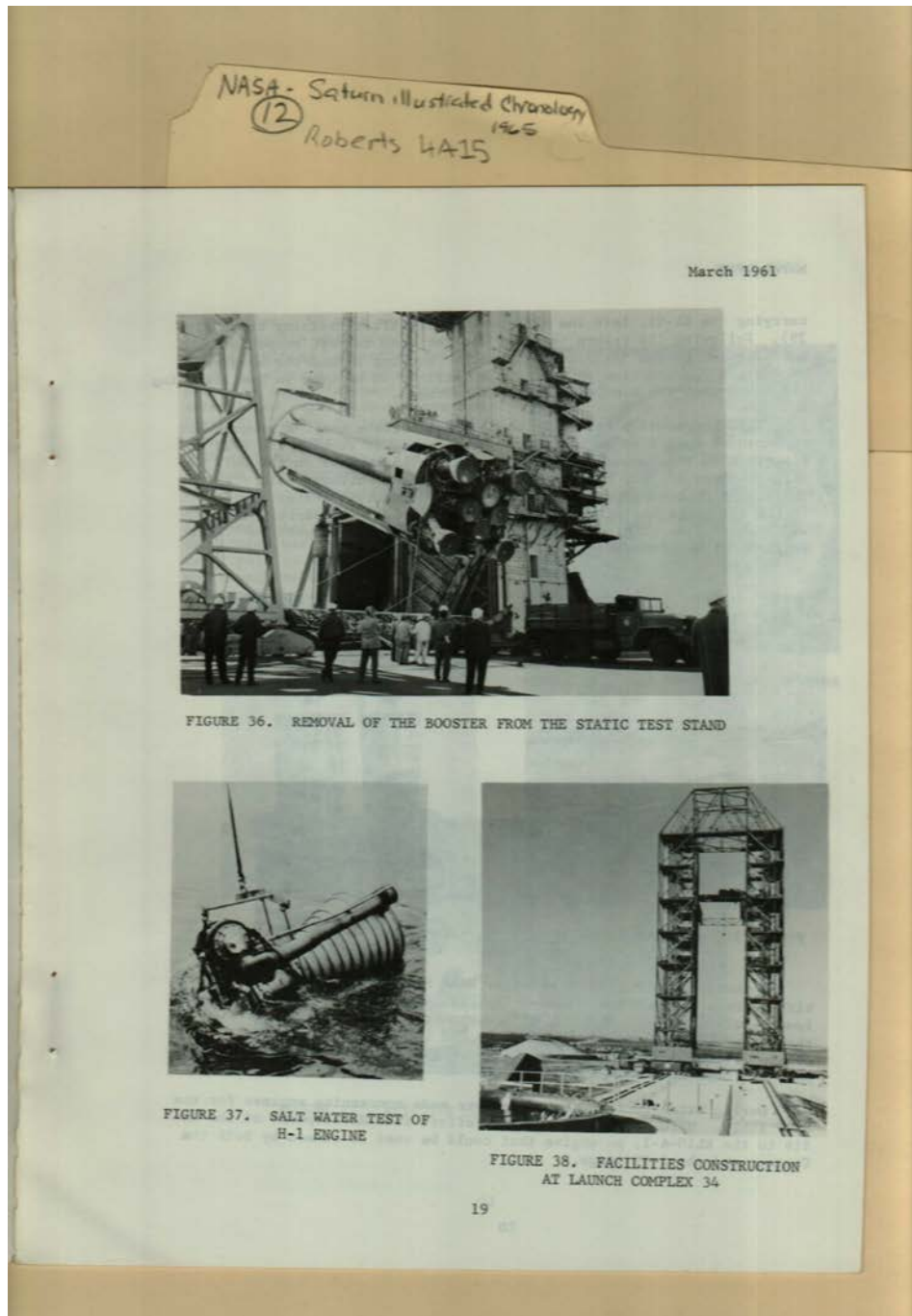
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booklet

photograph

Dates:

May 15, 1965



Names:

Facilities
Construction at

Launch Complex
34

Removal of the
Booster From the
Test Stand

Salt Water Test of H-
1 Engine

Places:

Cape Canaveral, FL

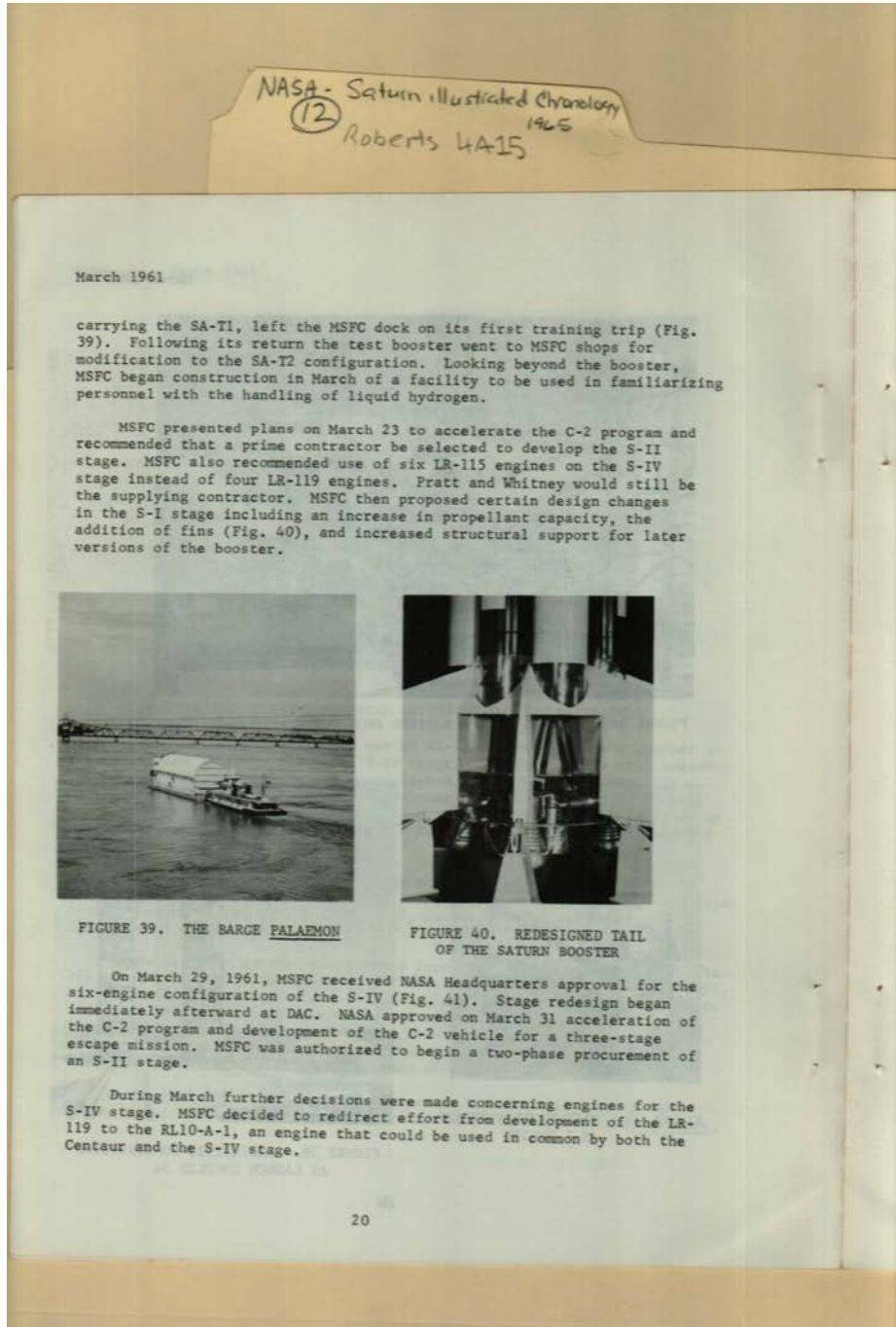
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

MSFC

Redesigned Tail of
the Saturn Booster

The Barge Palaemon

Places:

Huntsville, AL

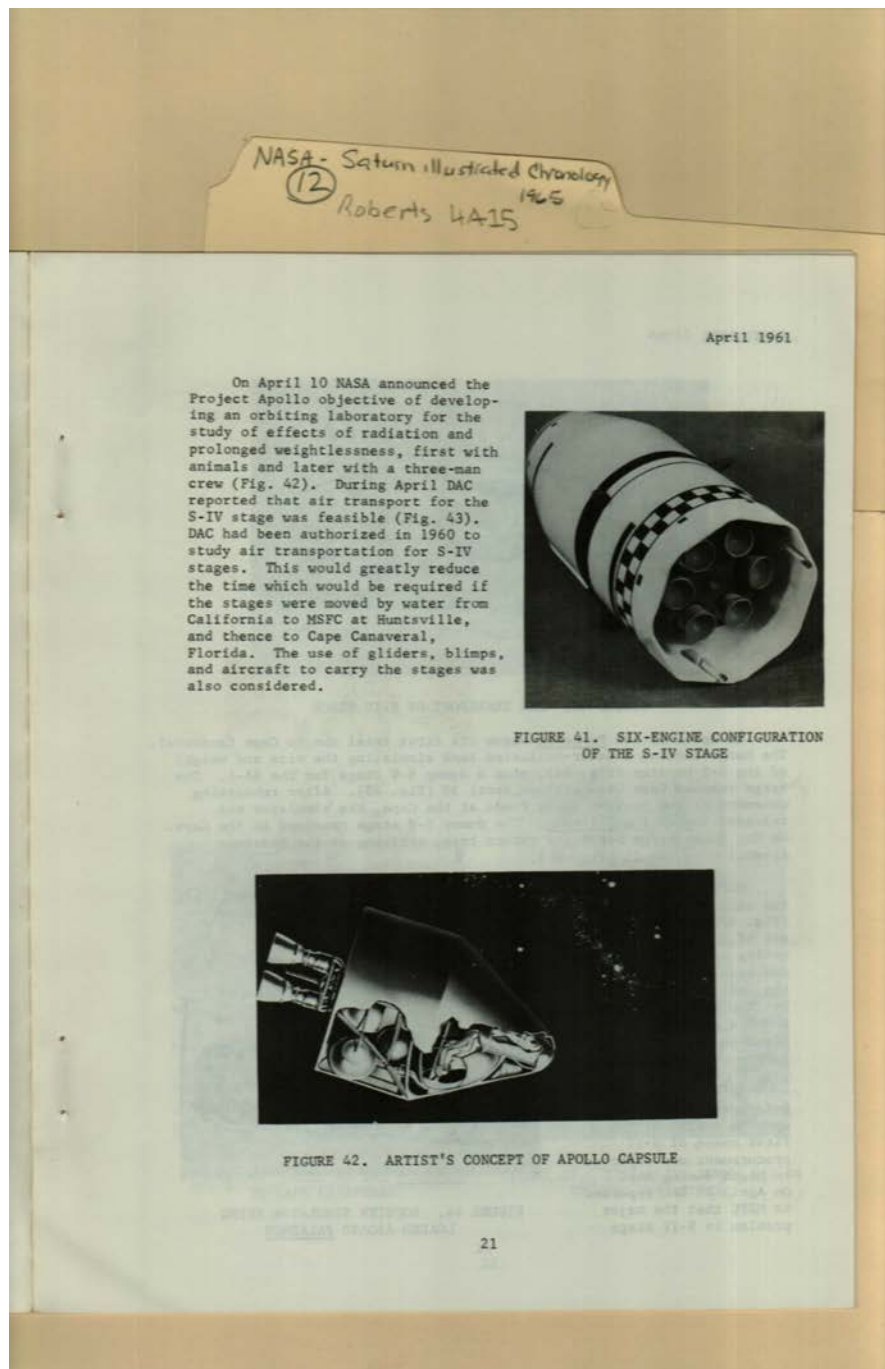
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photograph

Dates:

May 15, 1965



Names:

Artist's Concept of Apollo Capsule

Project Apollo objective S-IV stages

Six-Engine Configuration of the S-IV Stage

Places:

Huntsville, AL

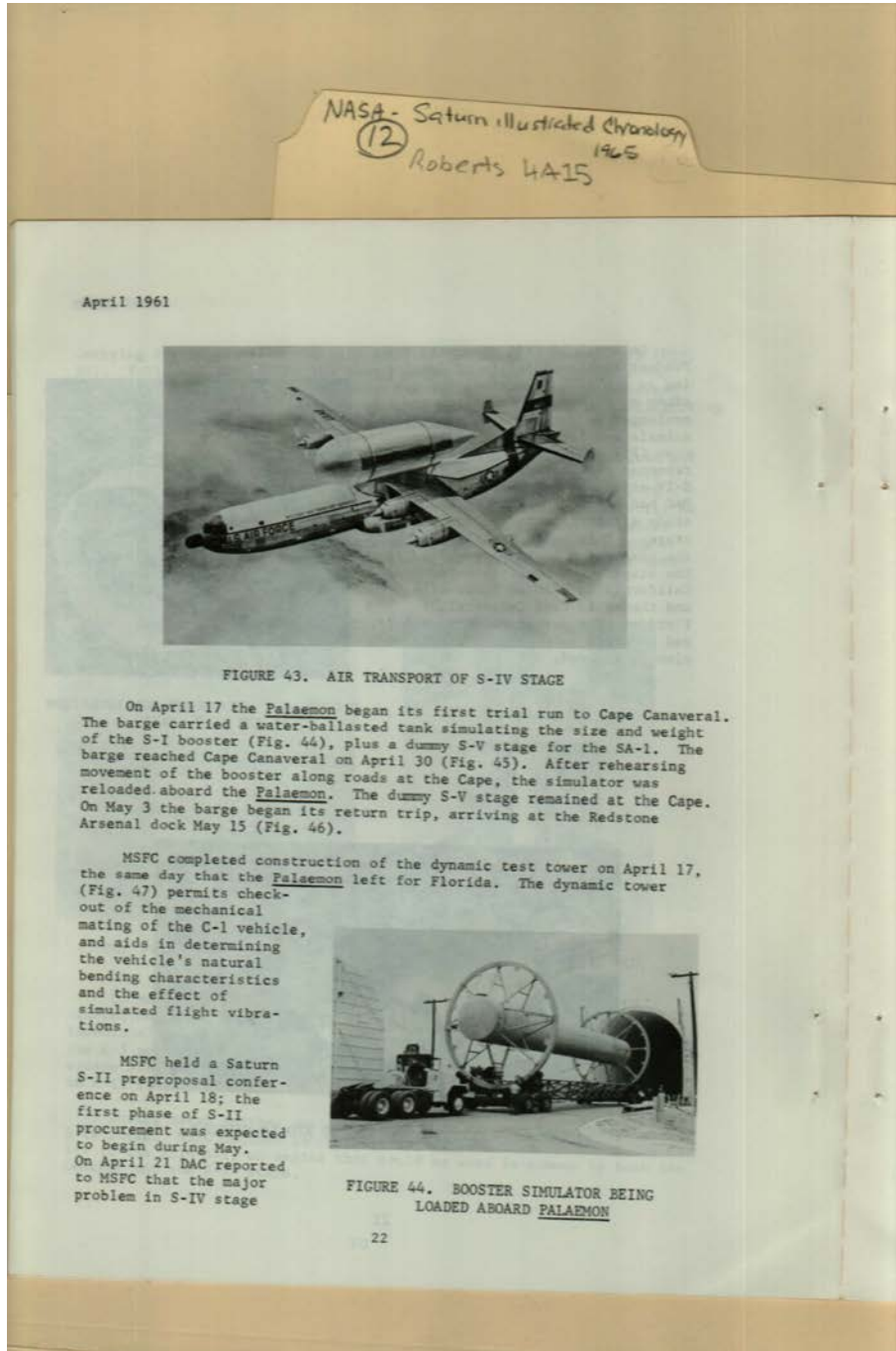
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photograph

Dates:

May 15, 1965



Names:

Air Transport of S-IV
Stage

Booster Simulator
Aboard Palaemon

Palaemon barge trial
runs

Places:

Huntsville, AL

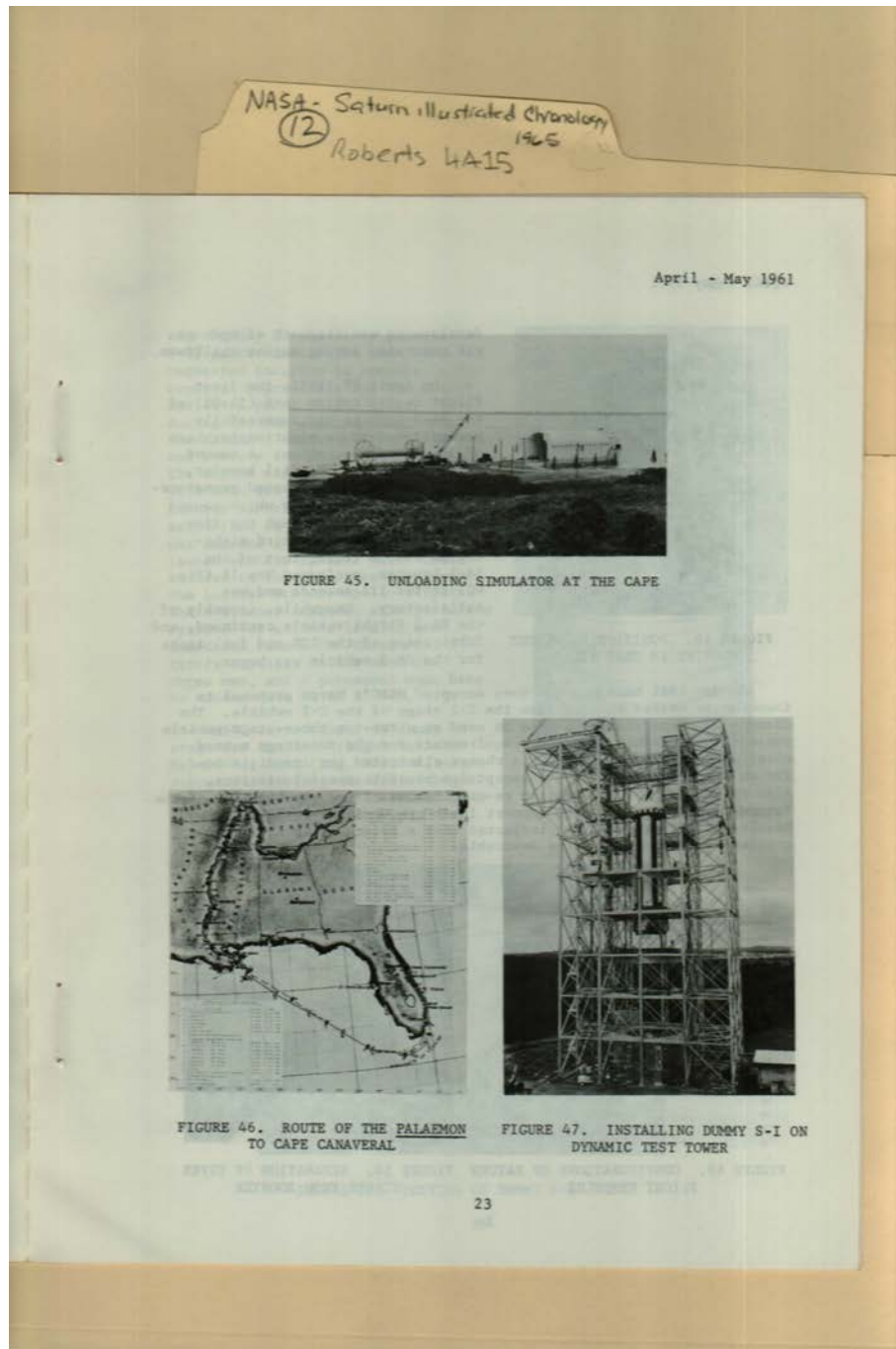
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photograph

Dates:

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Names:

Installing Dummy S-I on Dynamic Test Tower

Route of the Palaemon to Cape Canaveral

Unloading Simulator at the Cape

Places:

Cape Canaveral, FL

Huntsville, AL

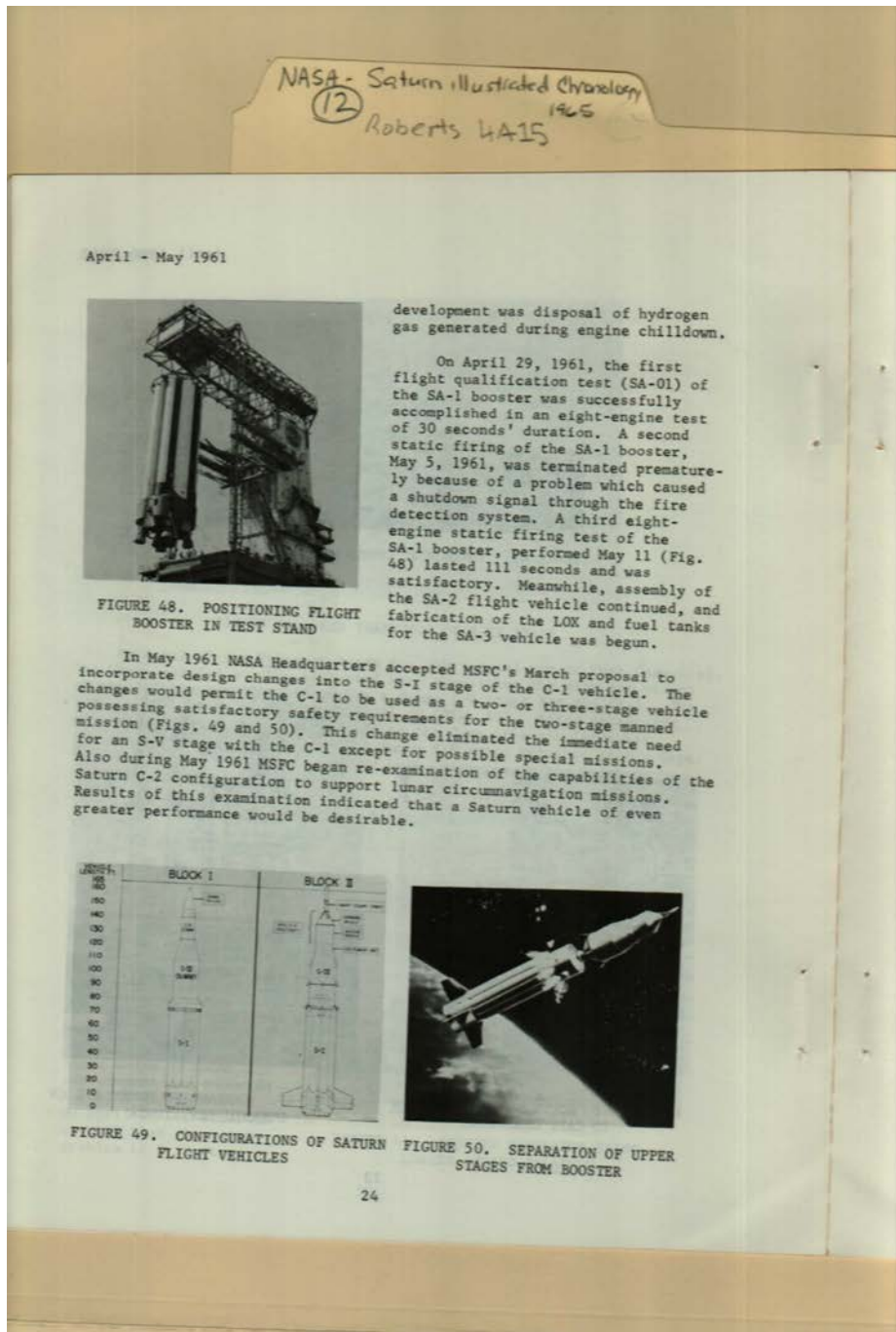
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map

photograph

Dates:

May 15, 1965



Names:

Configurations of Saturn Flight Vehicles

Positioning Flight Booster in Test Stand

Separation of Upper Stages From Booster

Places:

Huntsville, AL

Types:

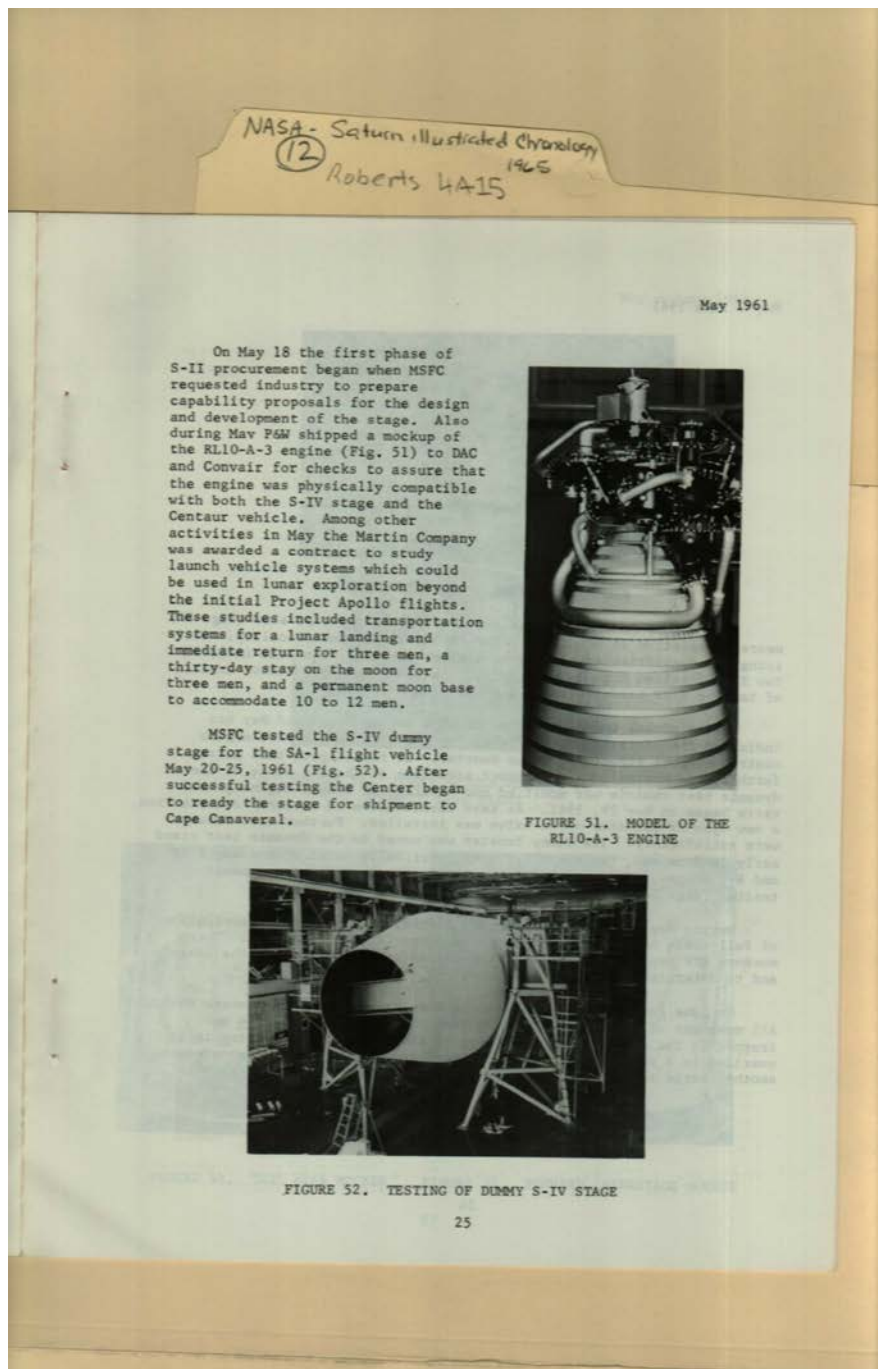
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Dates:

May 15, 1965

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Names:

MSFC studies

Model of the RL10-A-3 Engine

Testing of Dummy S-IV Stage

Places:

Huntsville, AL

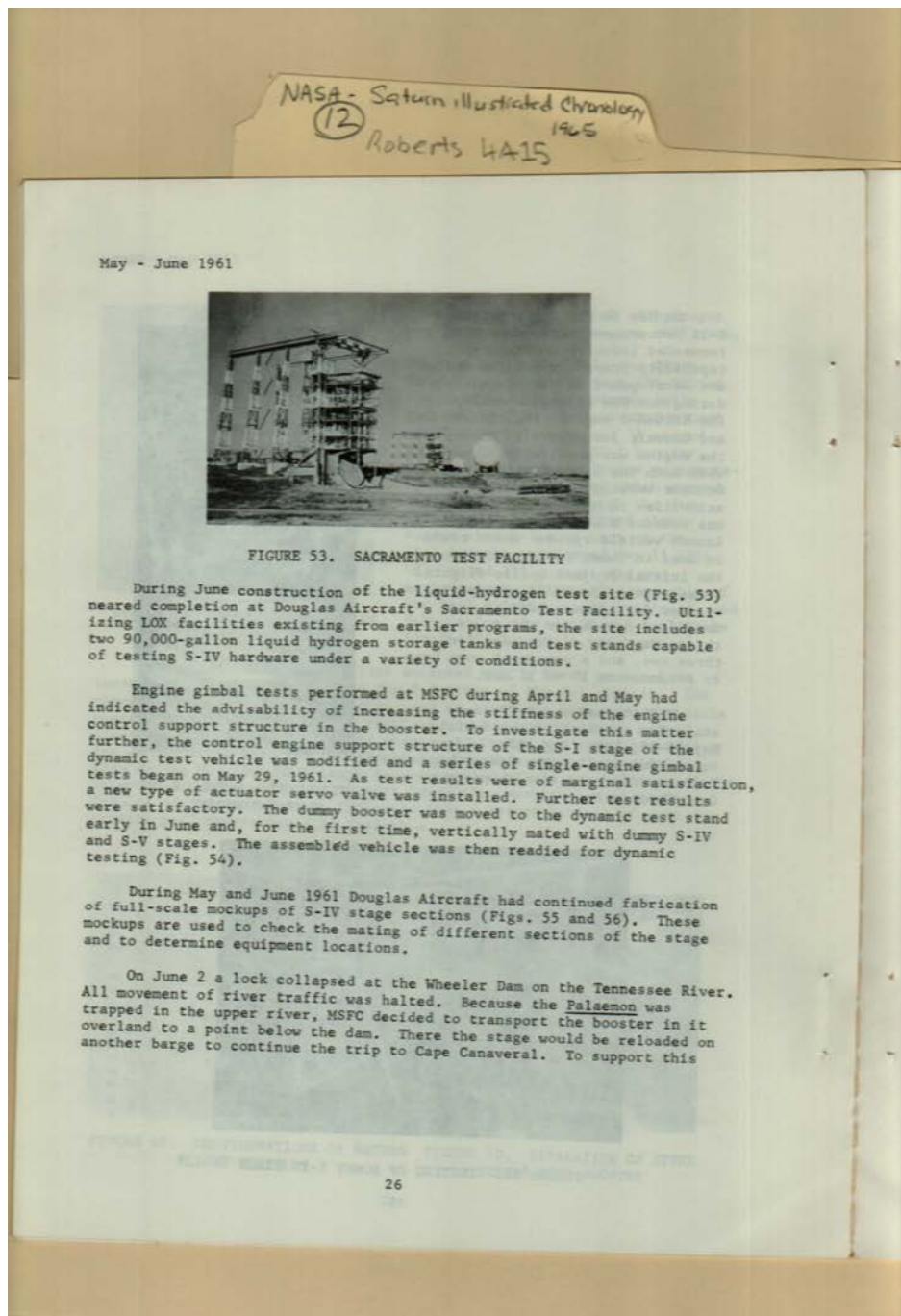
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

Sacramento Test Facility

liquid hydrogen test site

Places:

Sacramento, CA

Types:

booklet

photograph

Dates:

May 15, 1965



Names:

Dummy Saturn
Vehicle in Dynamic

Test Stand

Foreward Interstage
Mockup

Tail Area Mockup

Places:

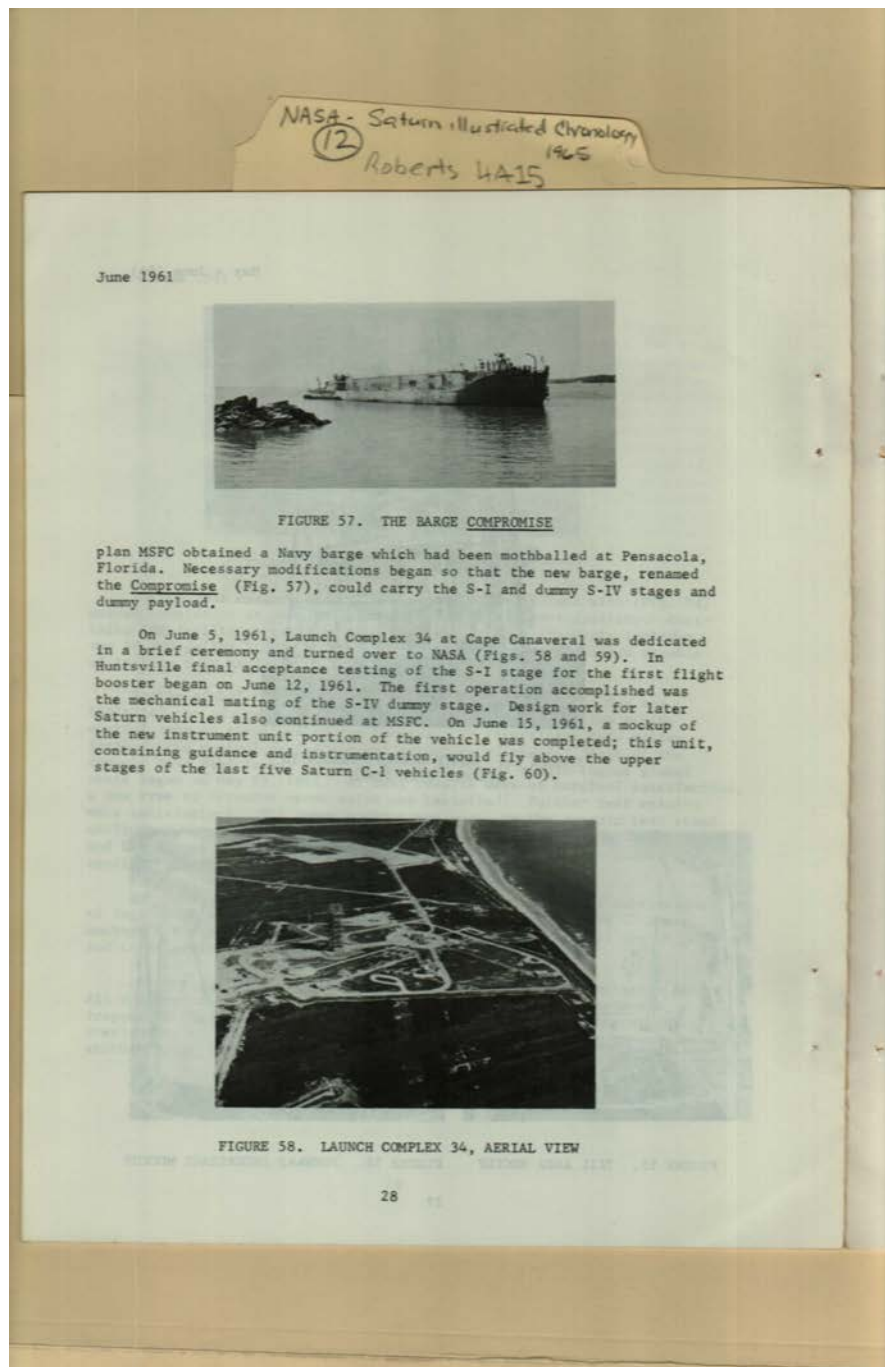
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Barge Compromise
Launch Complex 34

Launch Complex 34
dedicated

Places:

Cape Canaveral, FL

Pensacola, FL

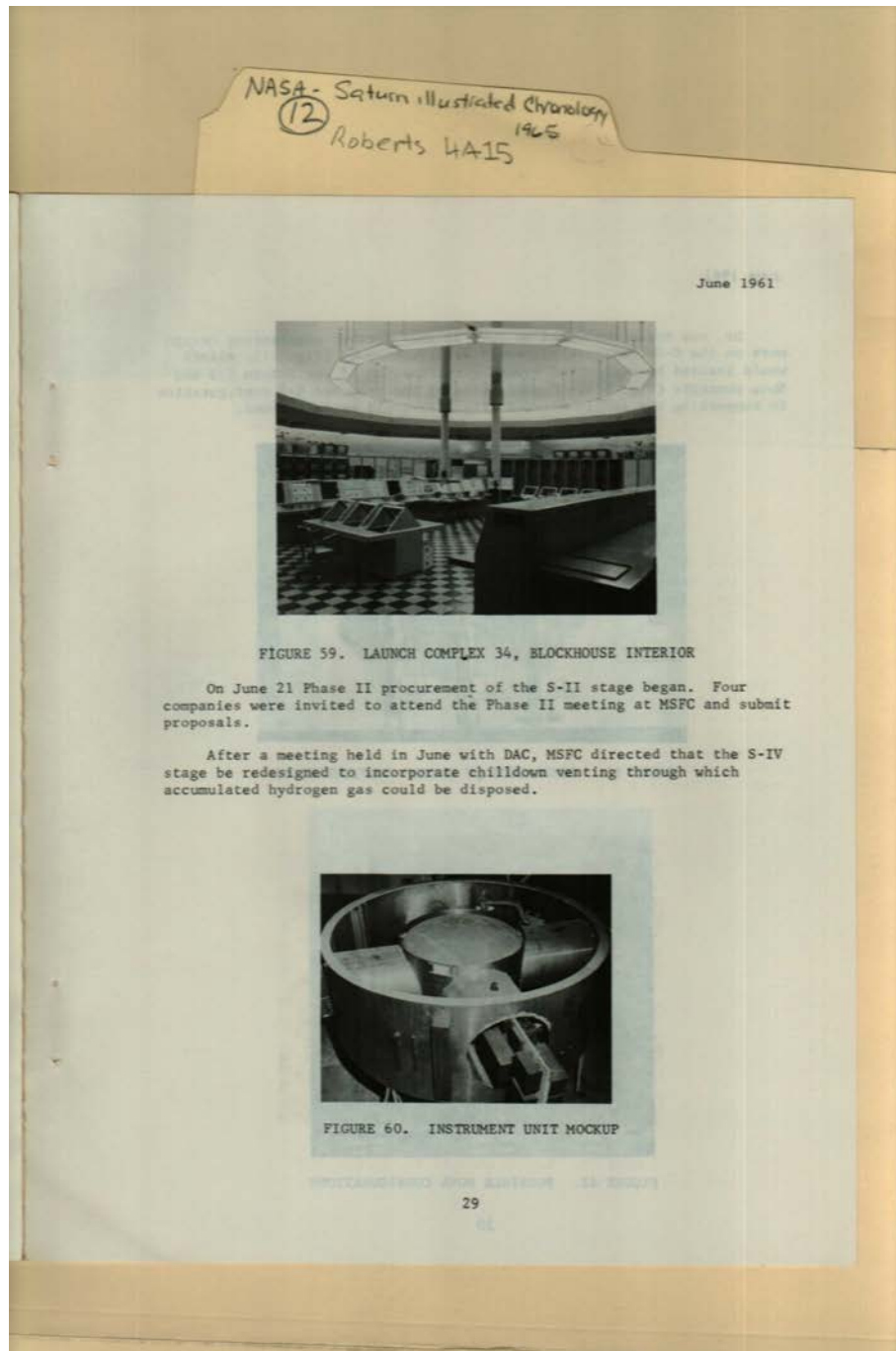
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booklet

photograph

Dates:

May 15, 1965



Names:

Instrument Unit
Mockup

Launch Complex 34,
Blockhouse Interior

Places:

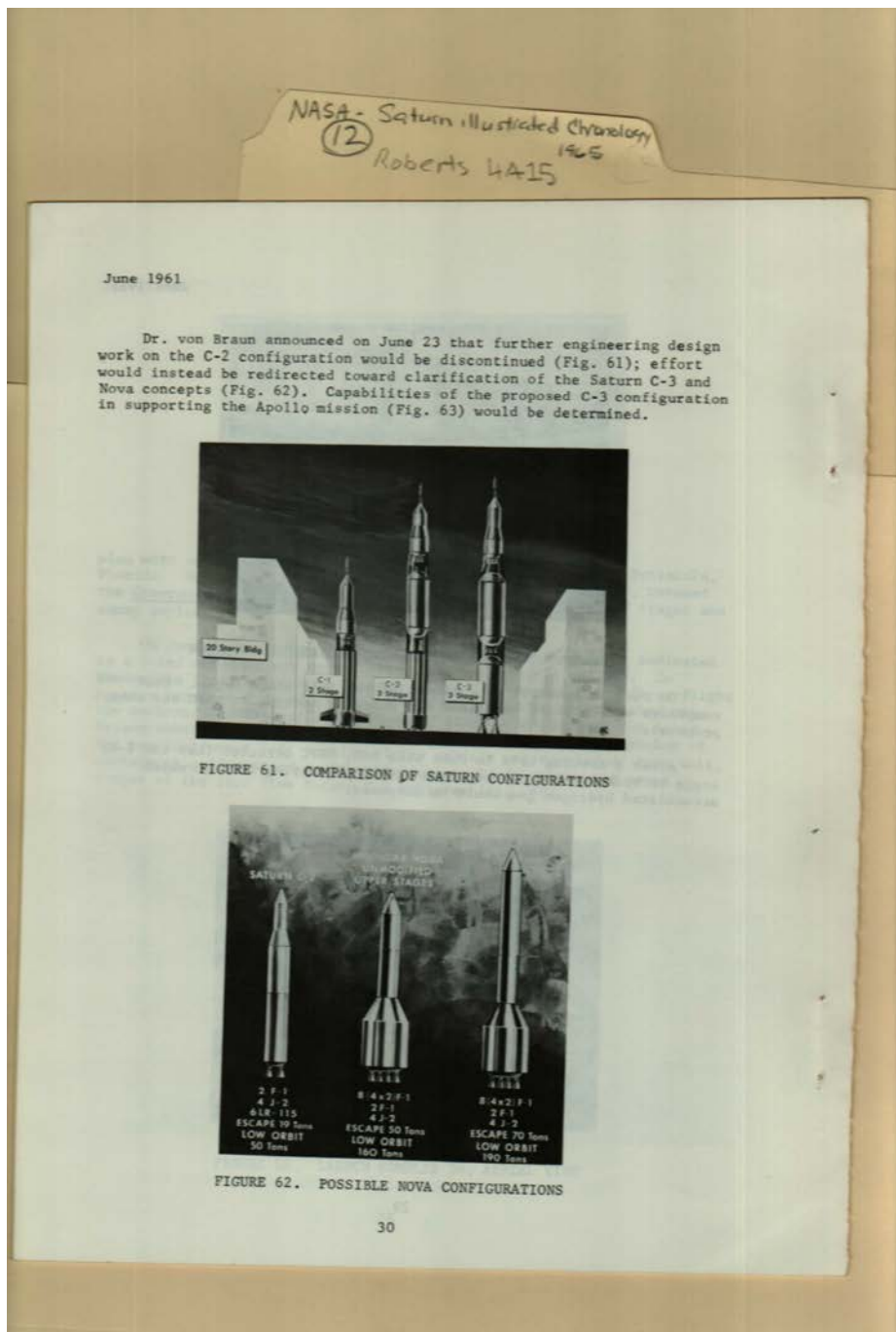
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Comparisons of Saturn

Configurations

Possible Nova Configurations

Places:

Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Installation of SA-T2
of Static Test Stand

Proposed C-3 /
Apollo

Configuration

Places:

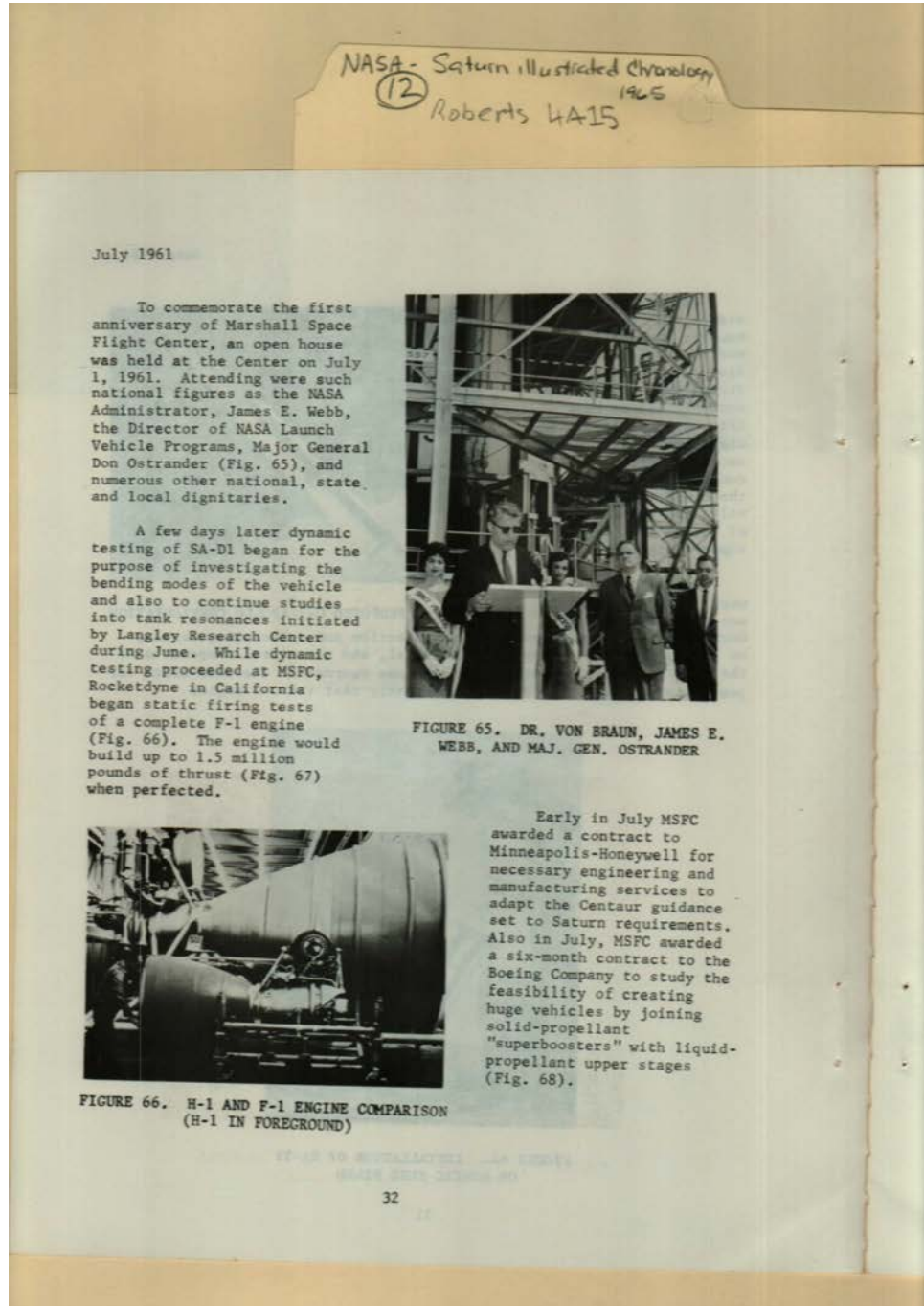
Huntsville, AL

Types:

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Dates:

May 15, 1965



Names:

H-1 and F-1 Engine Comparison

Ostrander, Don, Maj. Gen.

Webb, James E.

von Braun, Wernher, Dr.

Places:

Huntsville, AL

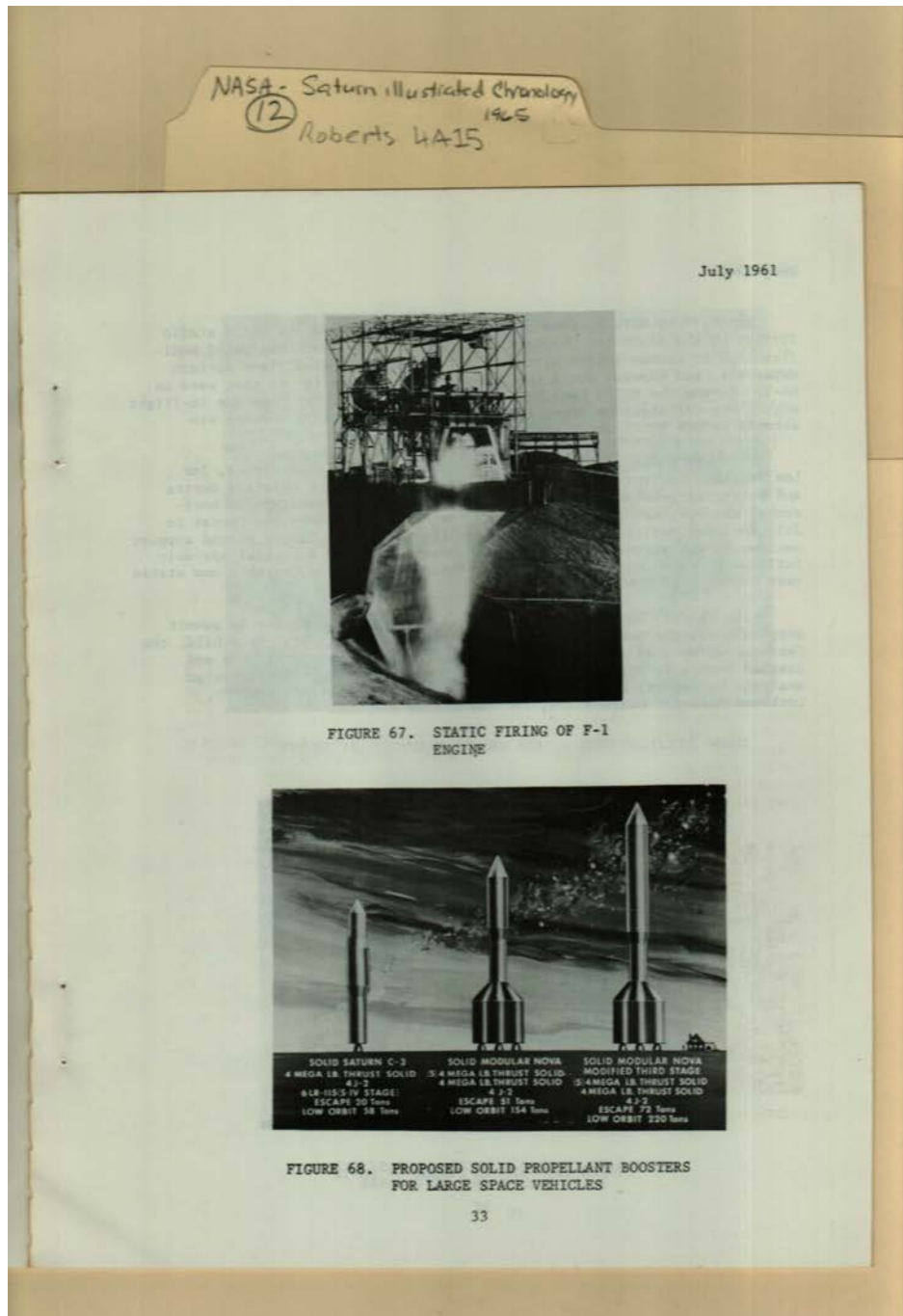
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Dates:

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Names:

Proposes Solid
Propellant Boosters

Static Firing of F-1
Engine

Places:

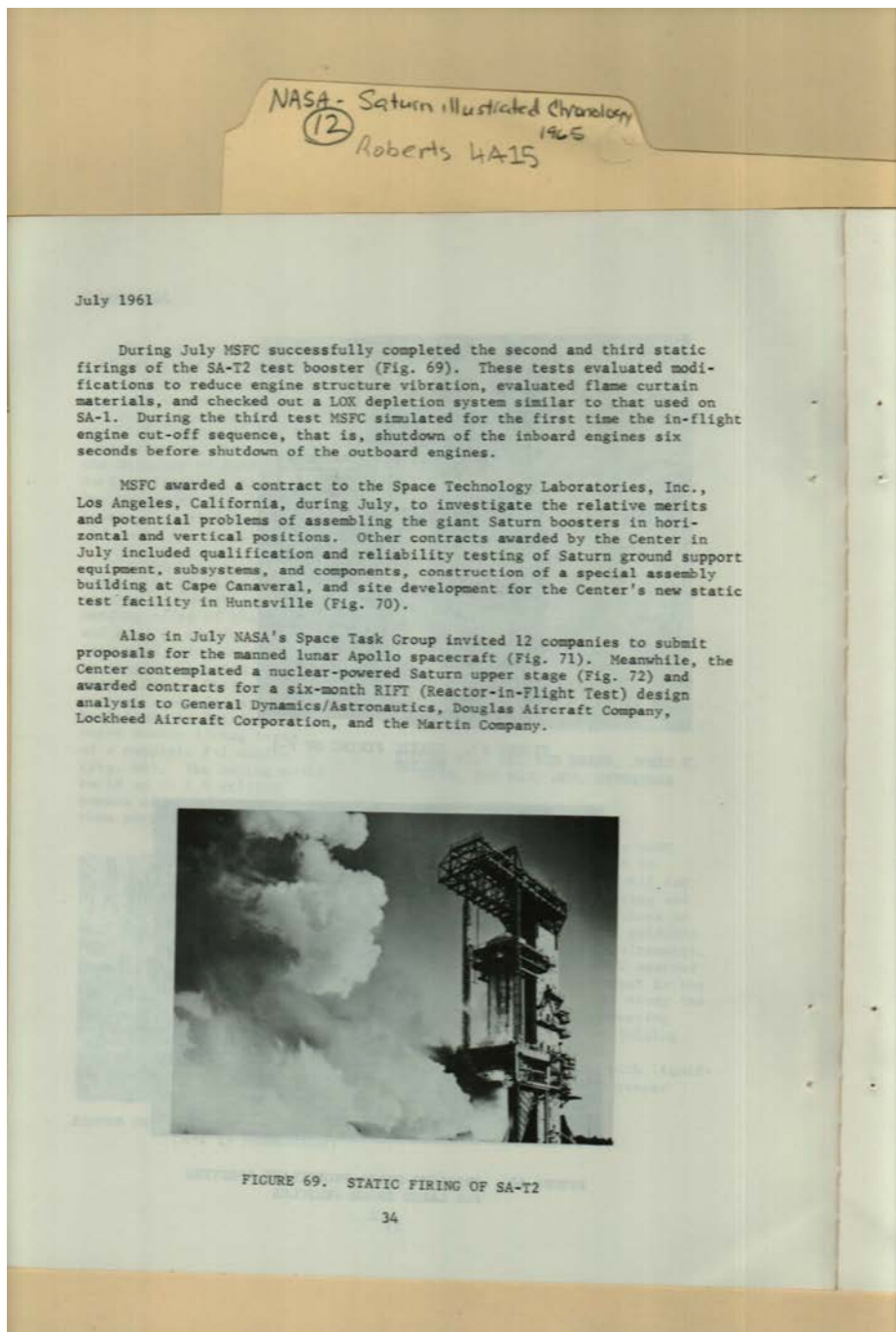
Huntsville, AL

Types:

photograph

Dates:

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Names:

Lunar Apollo
Spacecraft

Static Firing of SA-
T2

Places:

Huntsville, AL

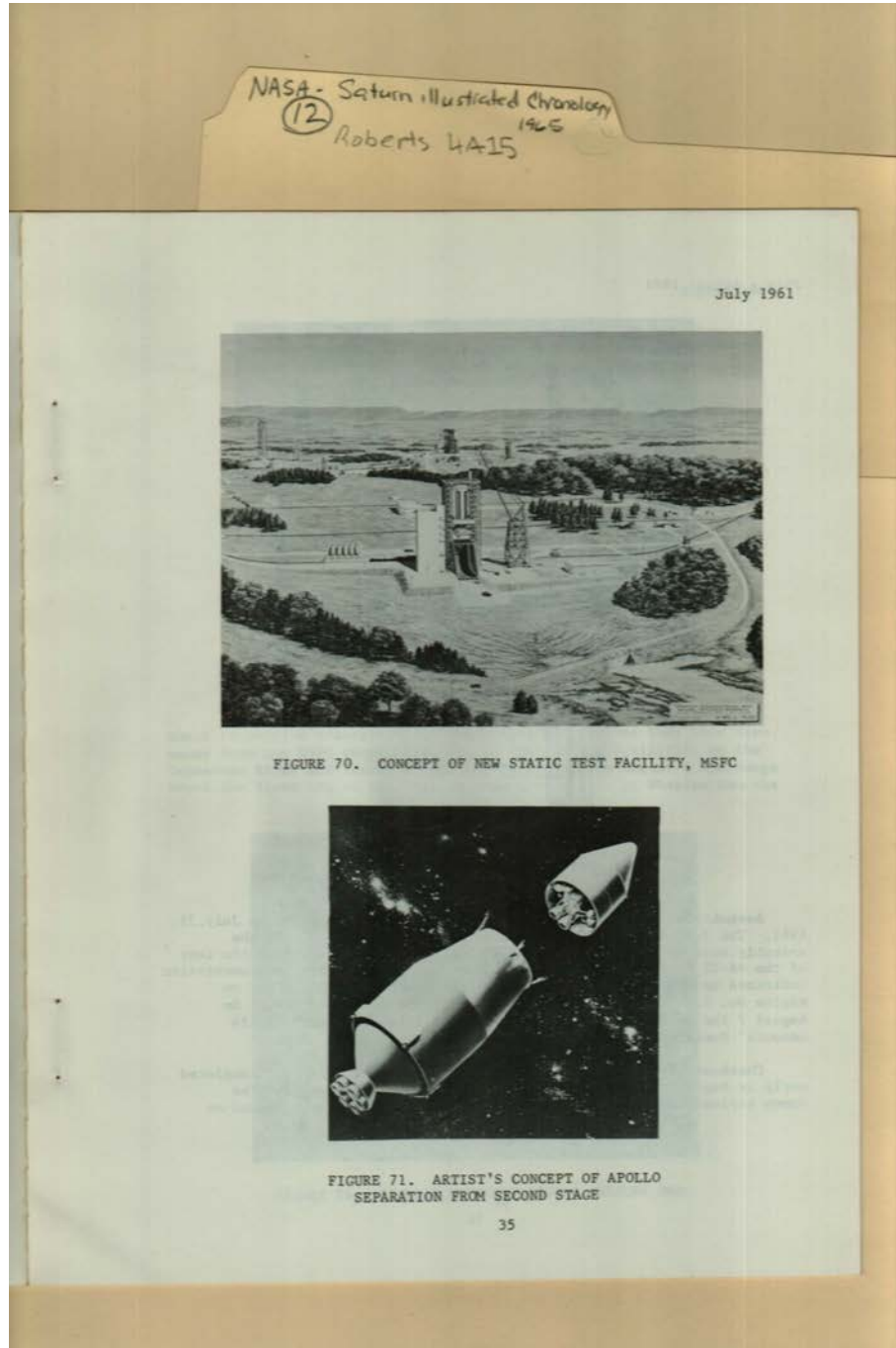
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booklet

photograph

Dates:

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Names:

Artist's Concept of
Apollo Separation

From Second Stage

Concept of New
Static Test Facility,

MSFC

Places:

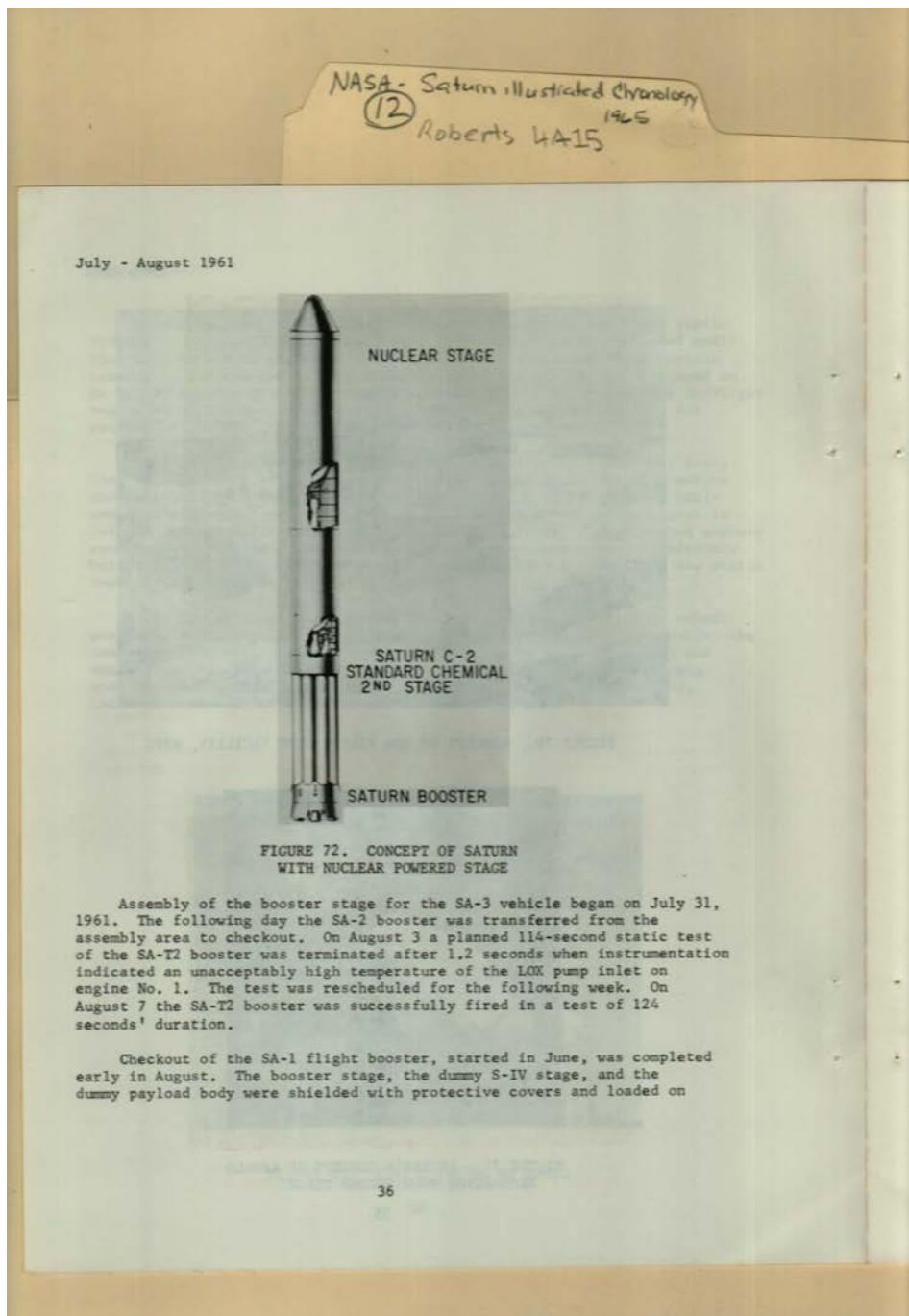
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Concept of Saturn
With Nuclear

Powered Stage
Saturn booster testing

Places:

Huntsville, AL

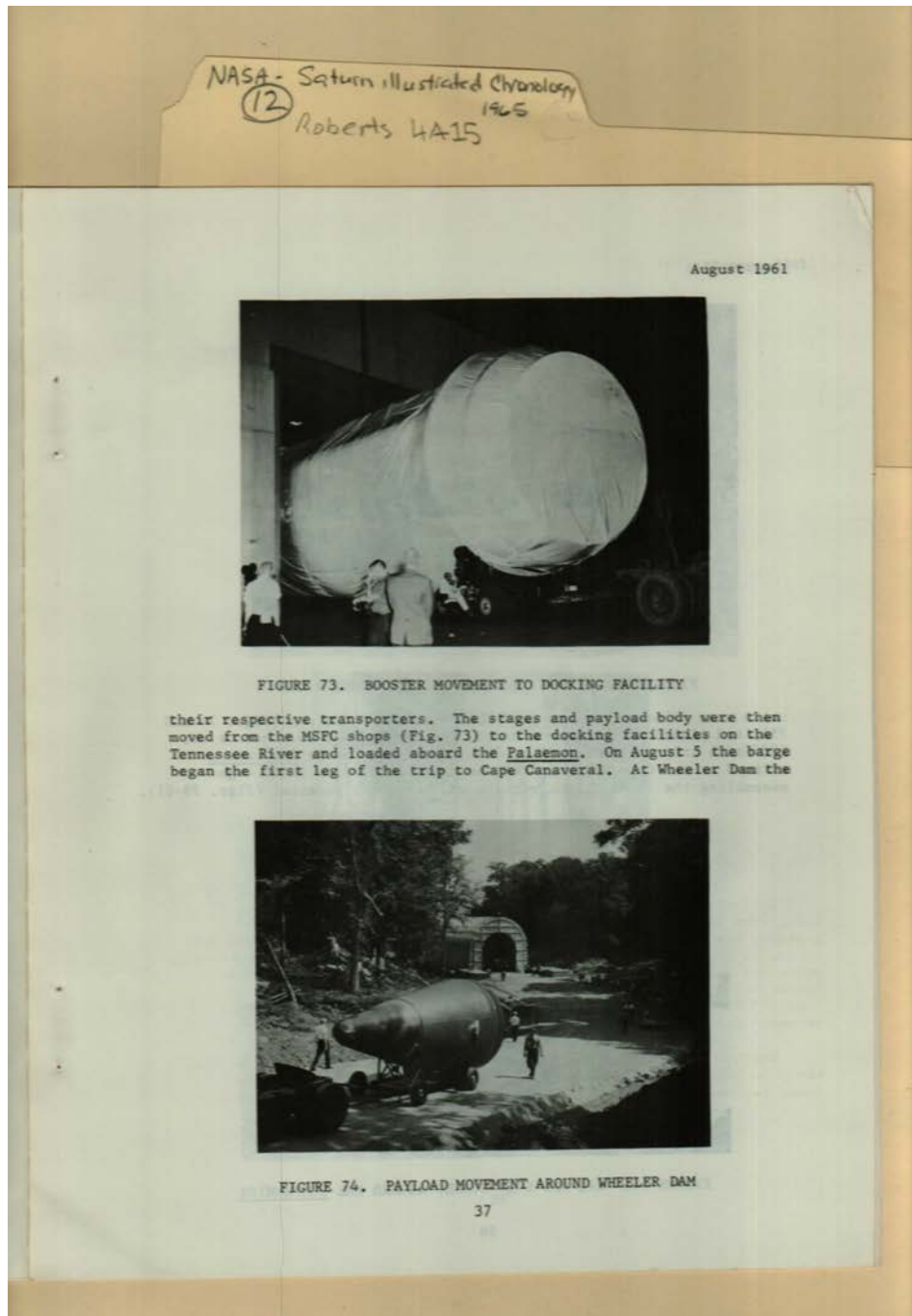
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

Booster Movement to Docking Facility

Palaemon barge

Payload Movement Around Wheeler

Dam

Places:

Huntsville, AL

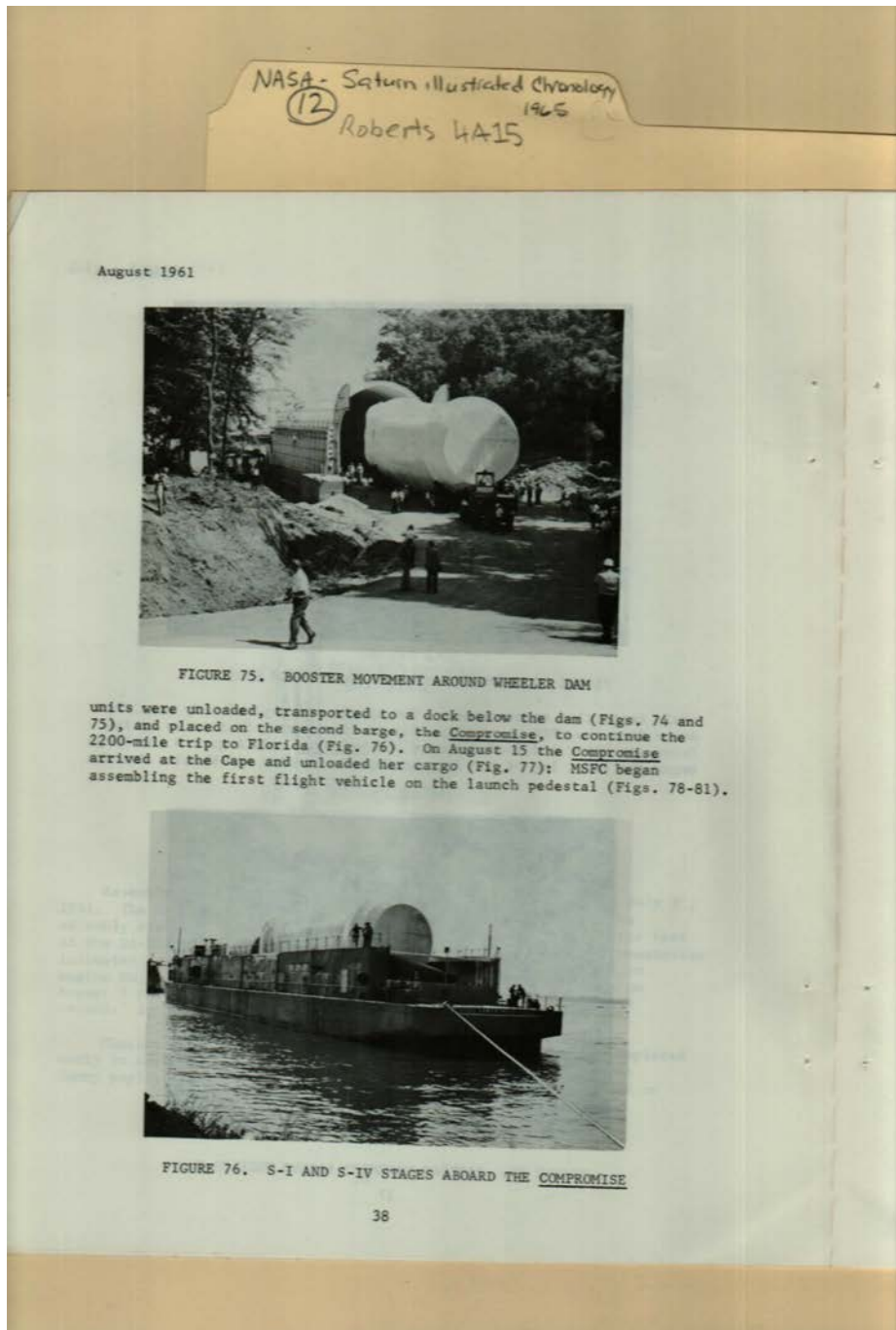
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Names:

Booster Movement
Around Wheeler

Dam

S-1 and S-IV Stages
Aboard the barge

Compromise

Places:

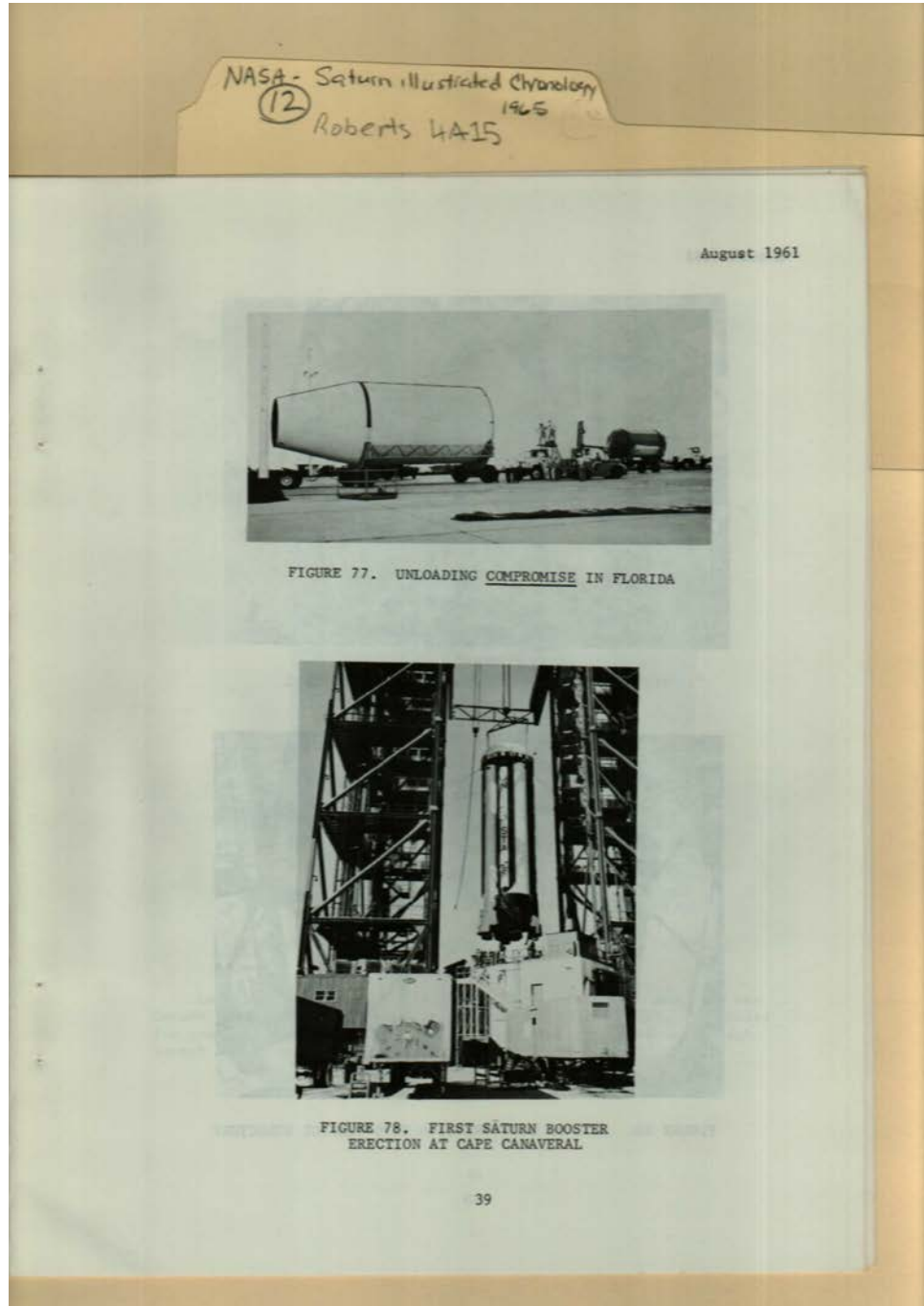
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

First Saturn Booster
Erection at Cape

Canaveral

Unloading Barge
Compromise in

Florida

Places:

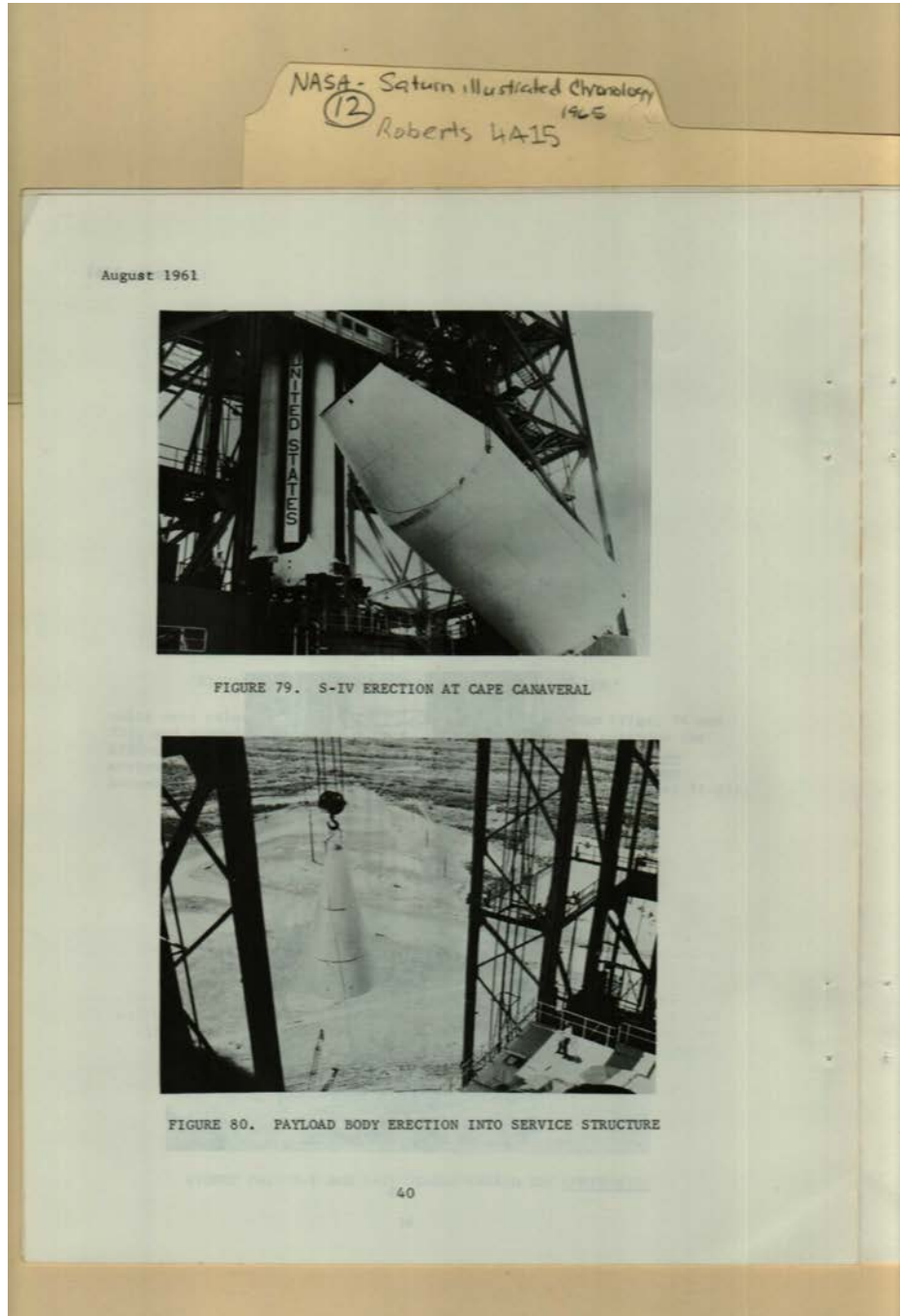
Cape Canaveral, FL

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Dates:

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Names:

Payload Body
Erection into

Service Structure

S-IV Erection at Cape
Canaveral

Places:

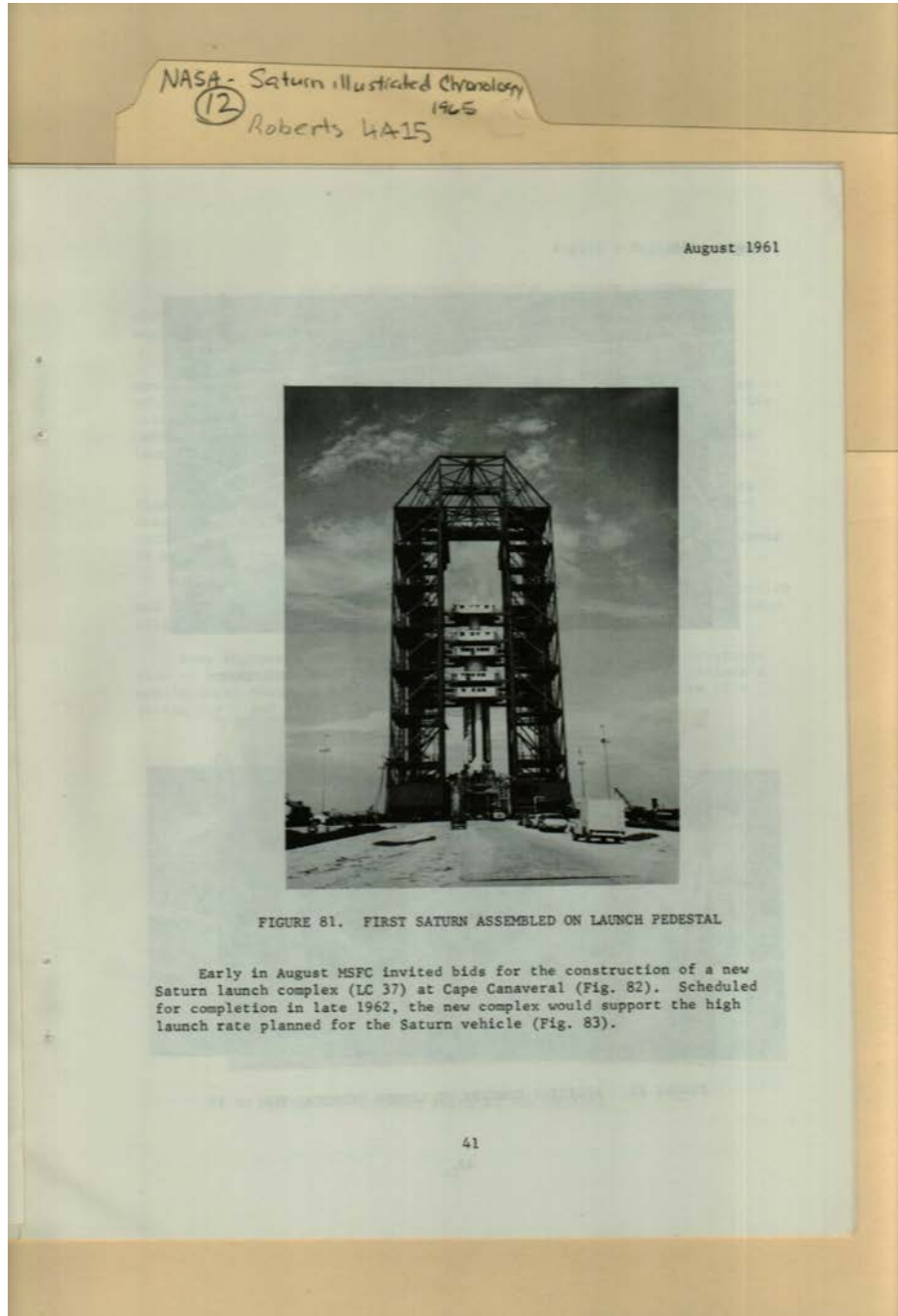
Cape Canaveral, FL

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Names:

First Saturn Erected
on Launch Pedestal

Places:

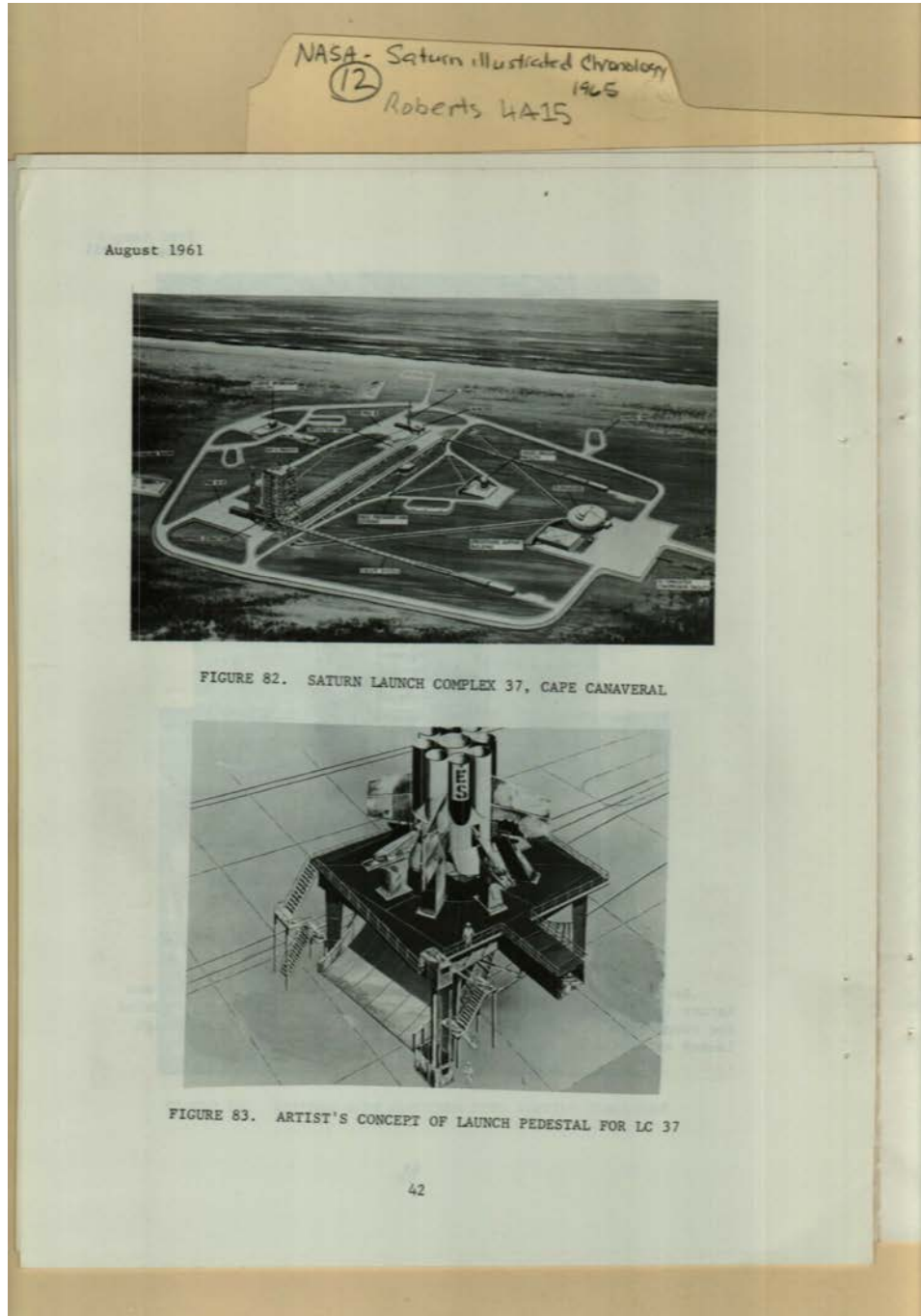
Cape Canaveral, FL

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Dates:

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Names:

Concept of Launch
Pedestal For LC 37

Saturn Launch
Complex 37

Places:

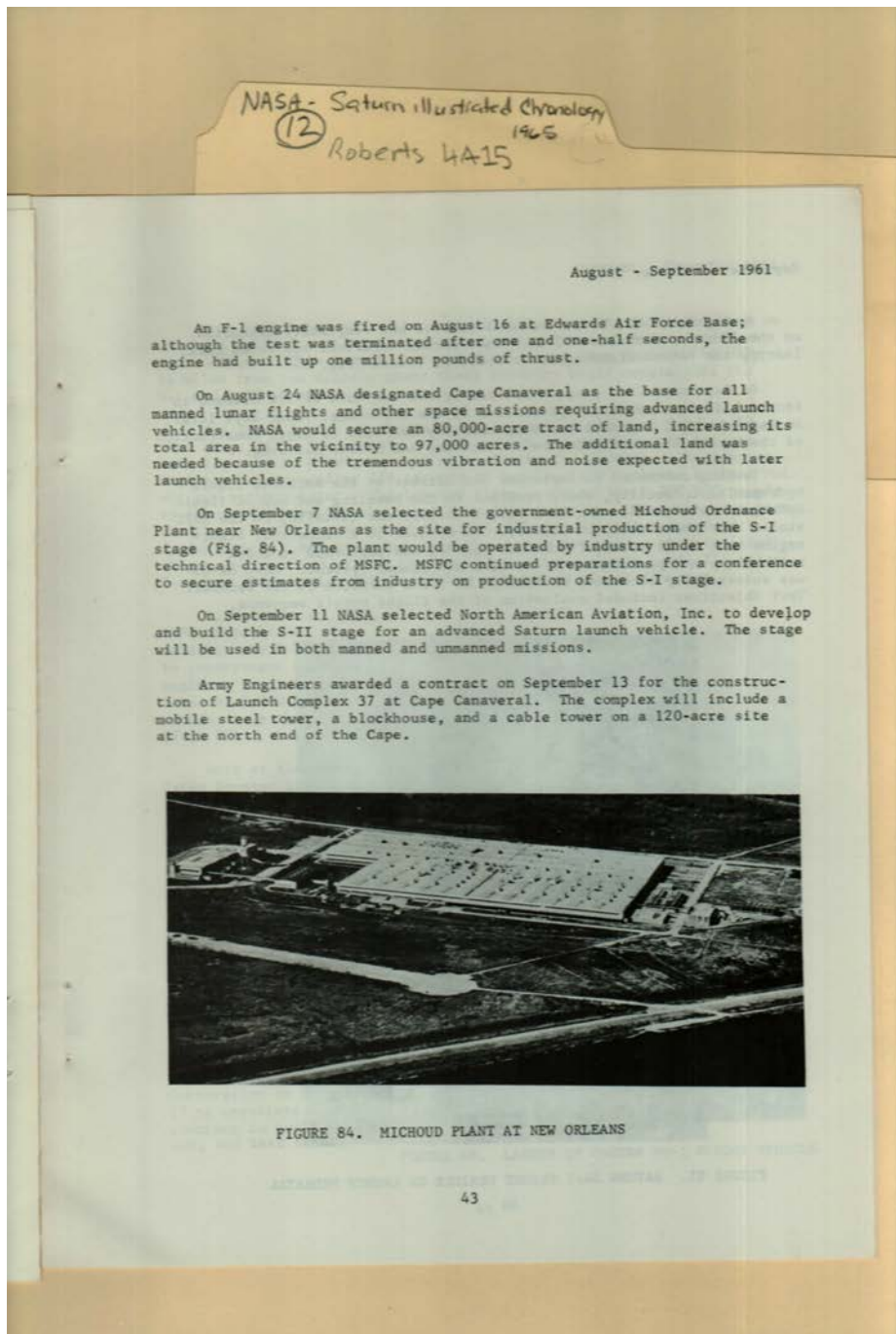
Cape Canaveral, FL

Types:

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Dates:

May 15, 1965



Names:

Launch Complex 37
construction
contract

Michoud Ordnance
Plant
Michoud Plant

NASA-MSFC
North American
Aviation, Inc.

Places:

Cape Canaveral, FL

New Orleans, LA

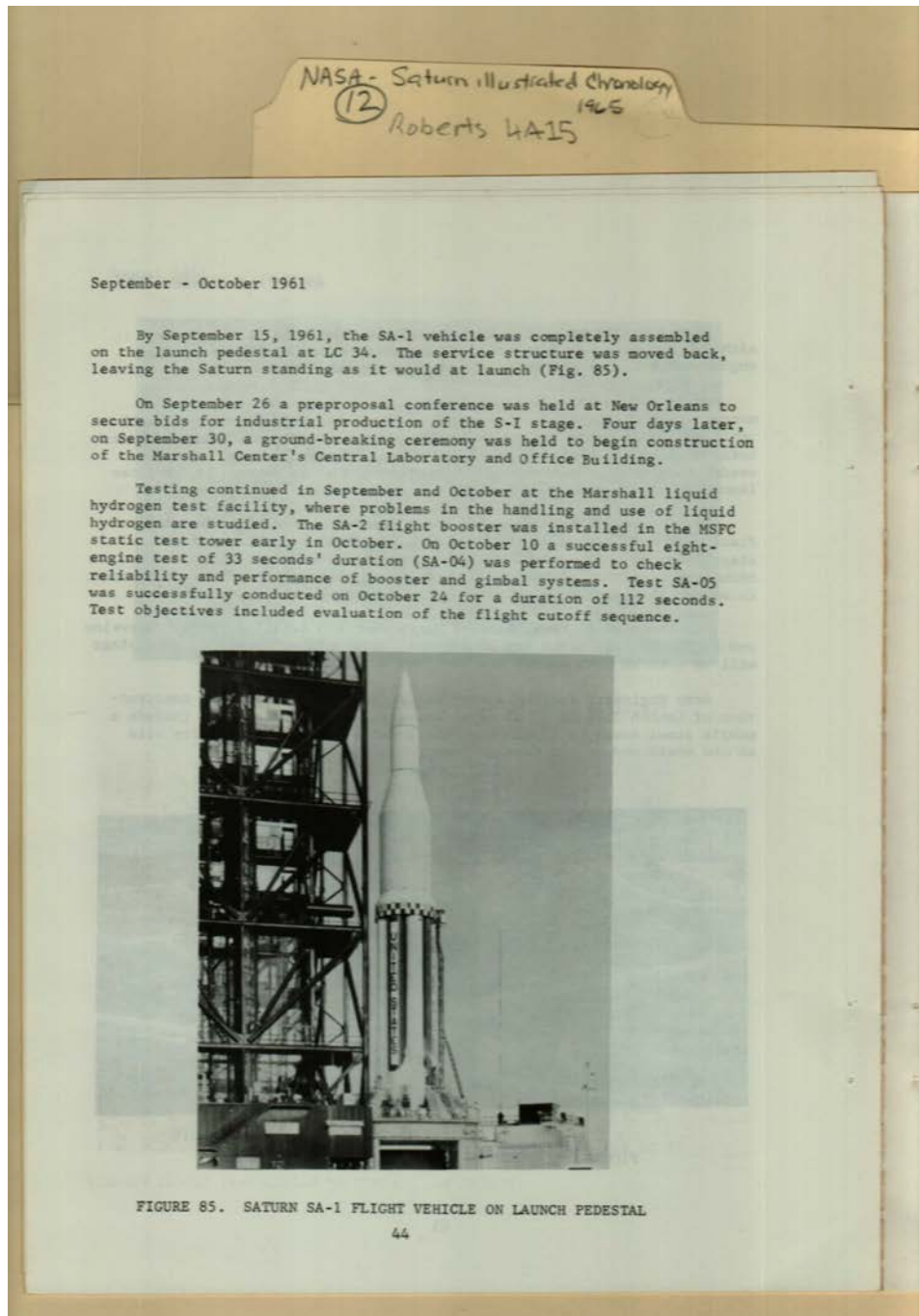
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Names:

Saturn SA-1 Flight
Vehicle on Launch

Pedestal

Places:

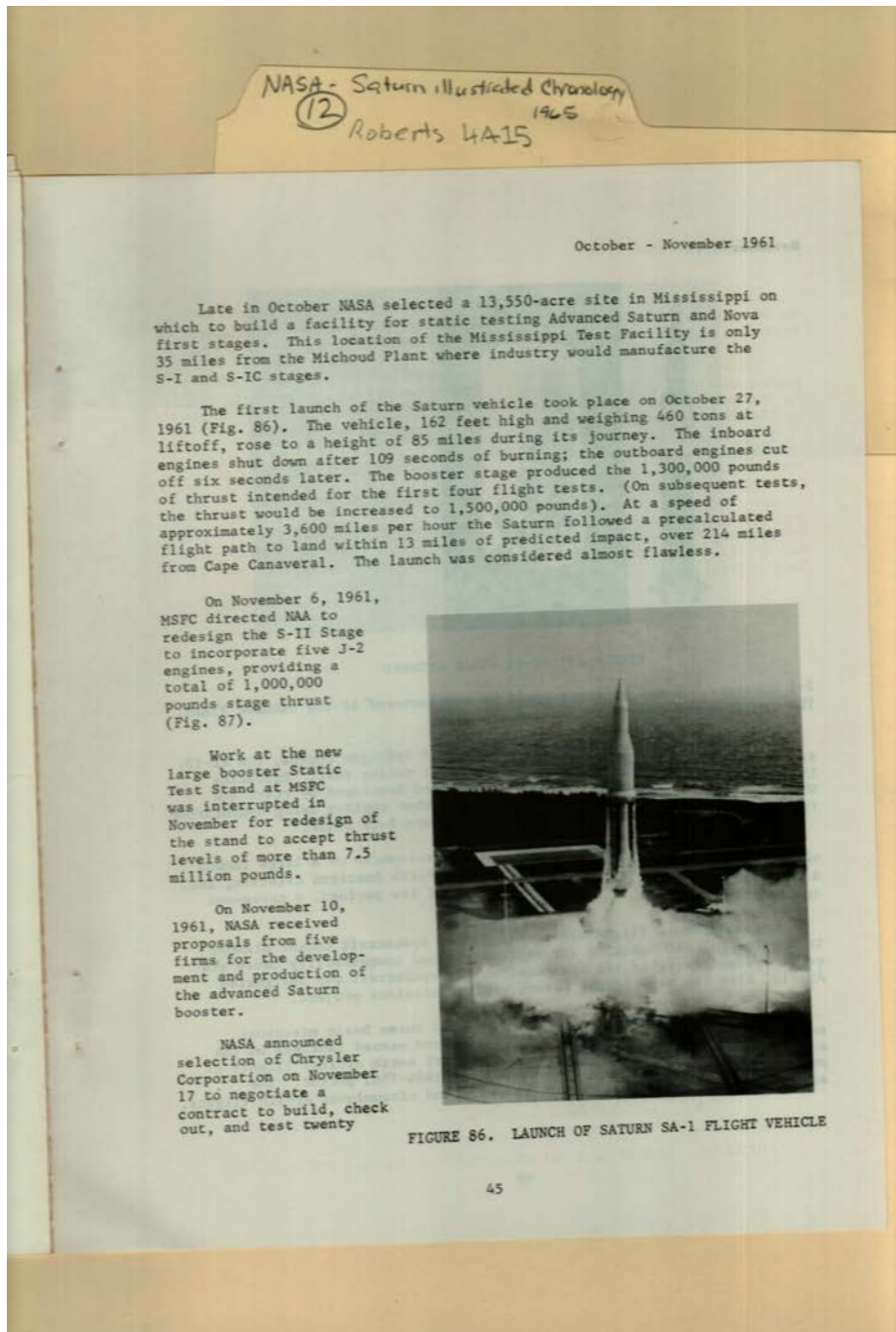
Cape Canaveral, FL

Types:

photograph

Dates:

May 15, 1965



Names:

Launch of Saturn SA-1 Flight Vehicle

MSFC Static Test Stand

Mississippi Test Facility

Places:

Cape Canaveral, FL

Huntsville, AL

Mississippi

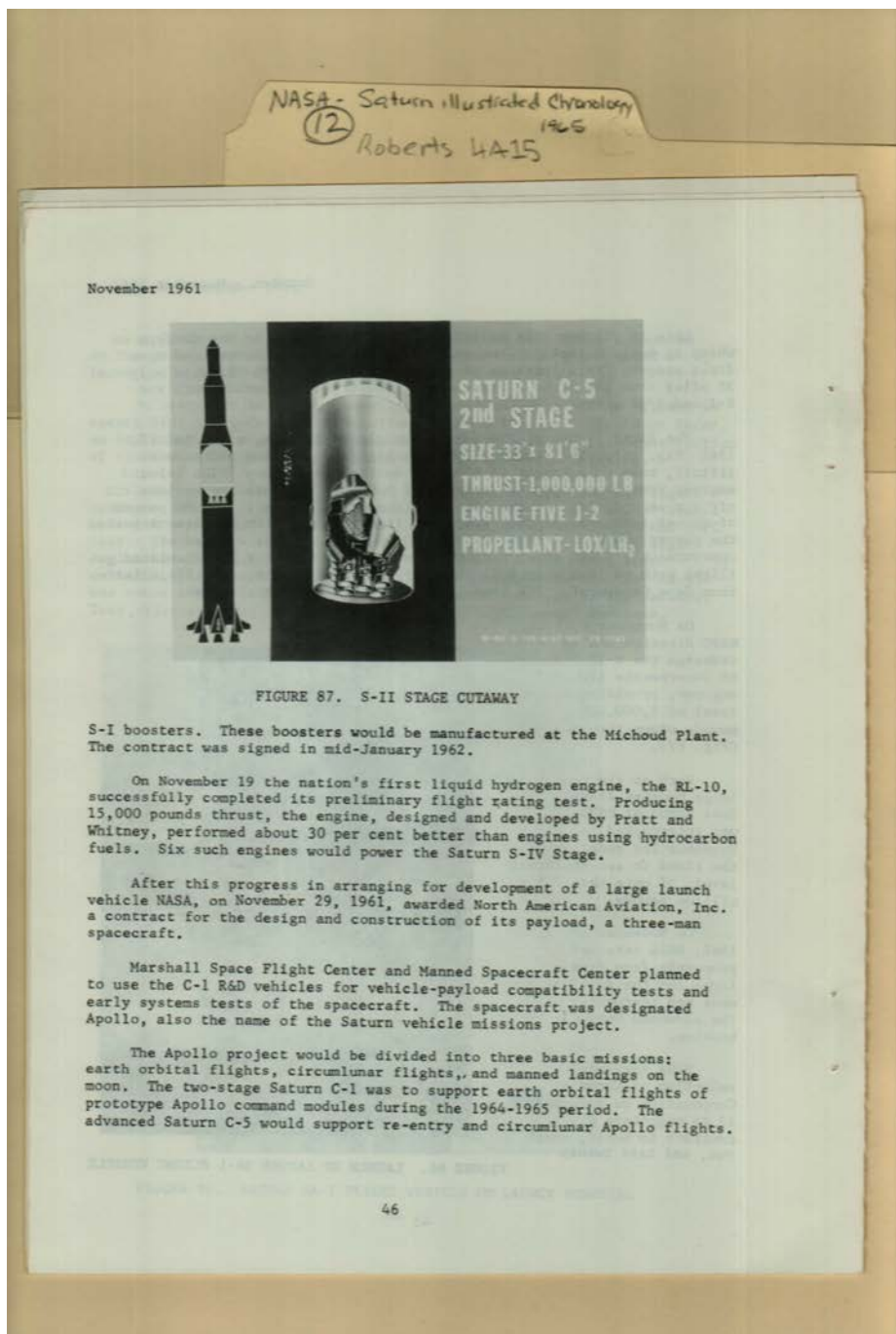
Types:

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photograph

Dates:

May 15, 1965



Names:

First liquid hydrogen engine, RL-10

S-II Stage Cutaway

Places:

Huntsville, AL

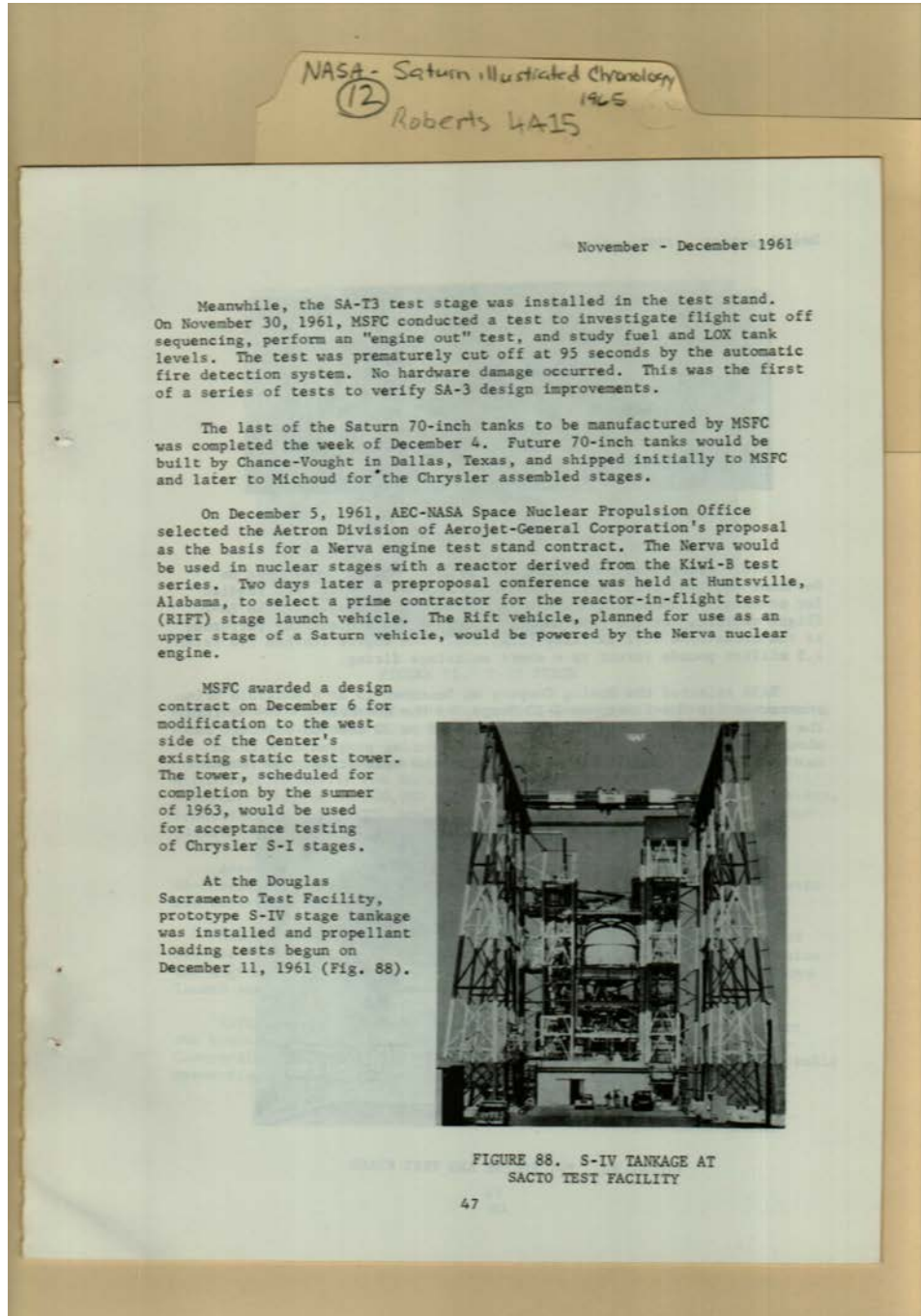
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Dates:

May 15, 1965



Names:

Nerva engine

S-IV Tankage at
SACTO Test

Facility

Places:

Huntsville, AL

Sacramento, CA

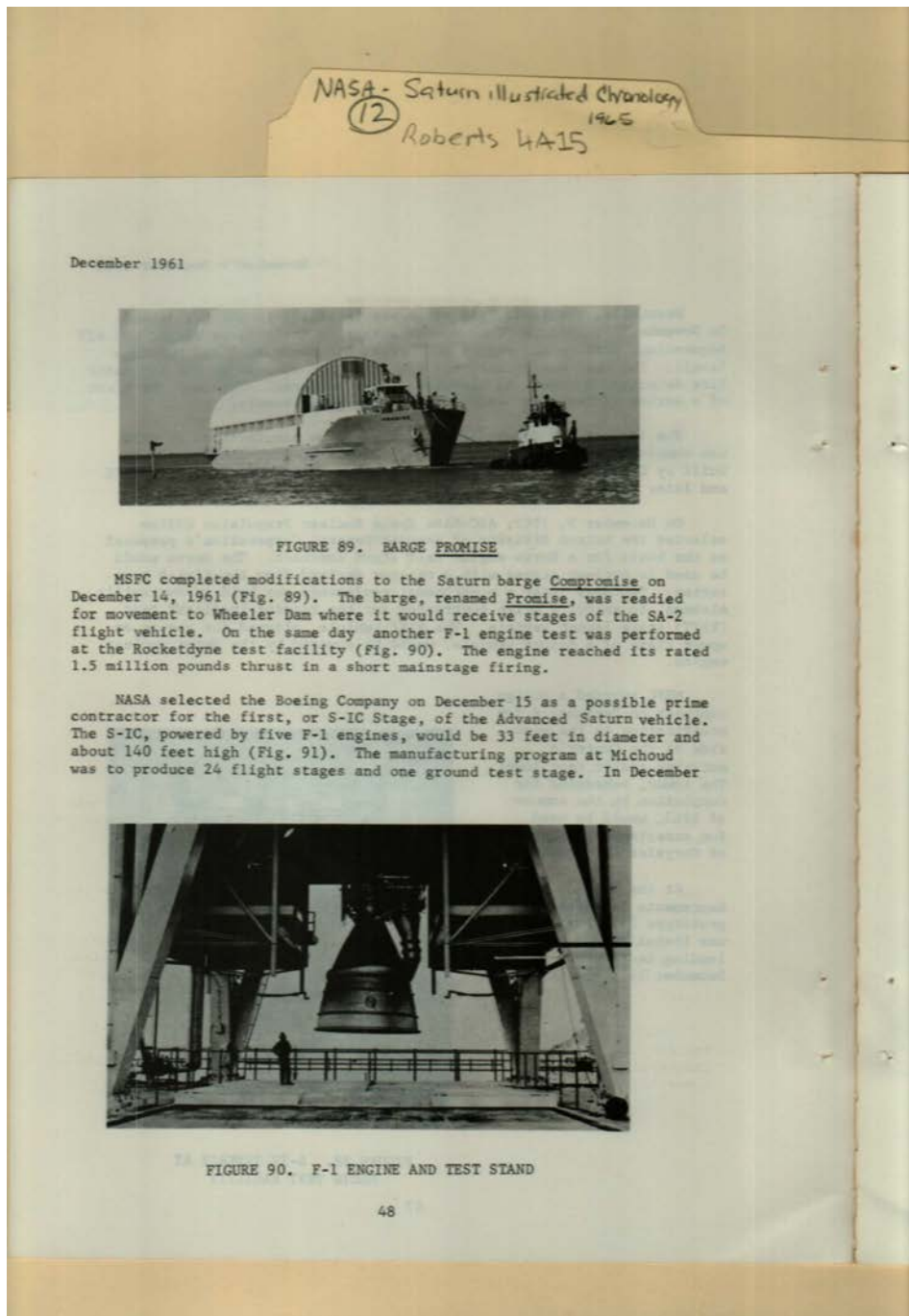
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May 15, 1965



Names:

Barge Compromise
renamed Barge

Promise
Barge Promise

F-1 Engine and Test
Stand

Places:

Huntsville, AL

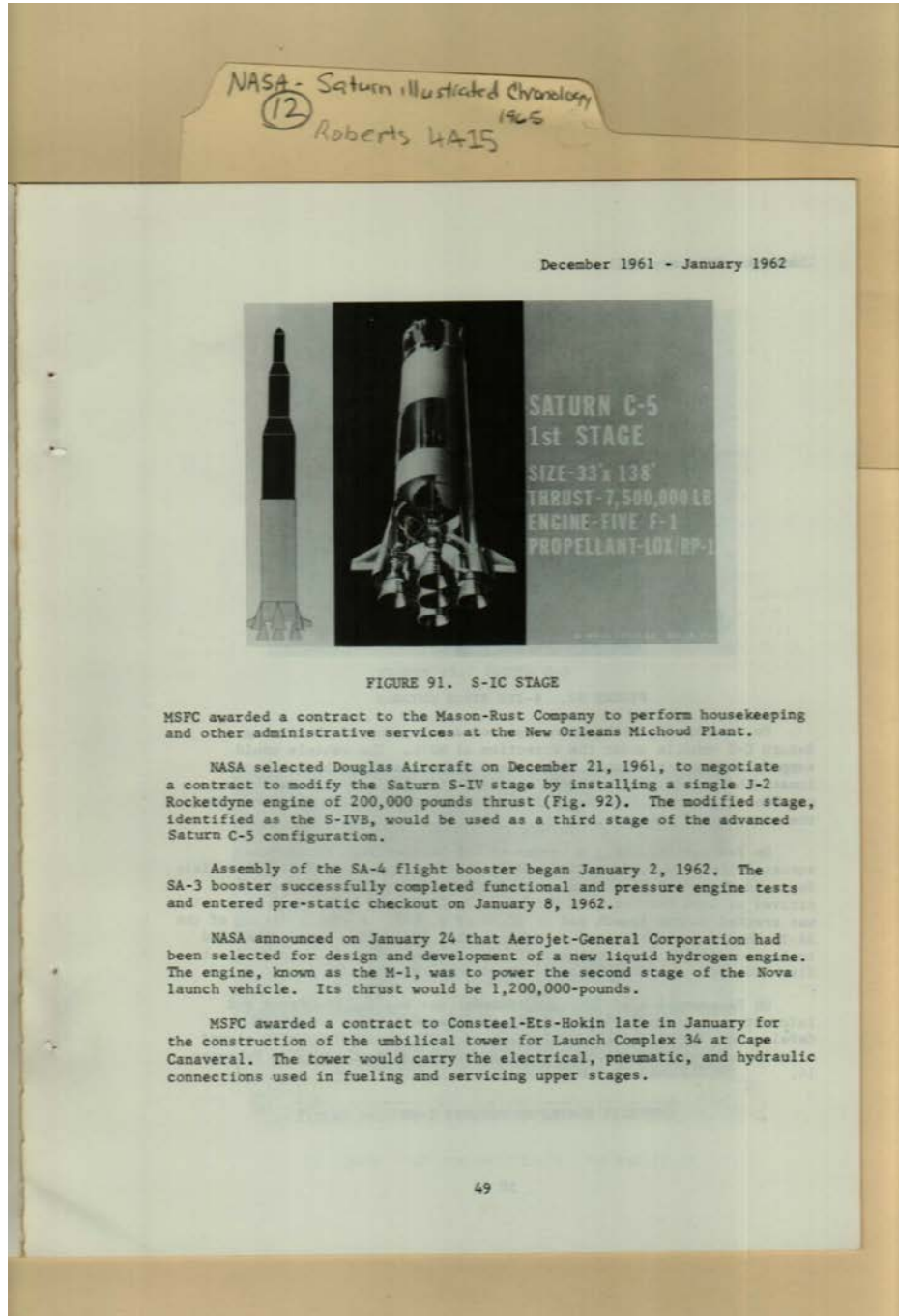
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photograph

Dates:

May 15, 1965



Names:

Mason-Rust
Company

Michoud Plant
S-IC Stage

Places:

Huntsville, AL

New Orleans, LA

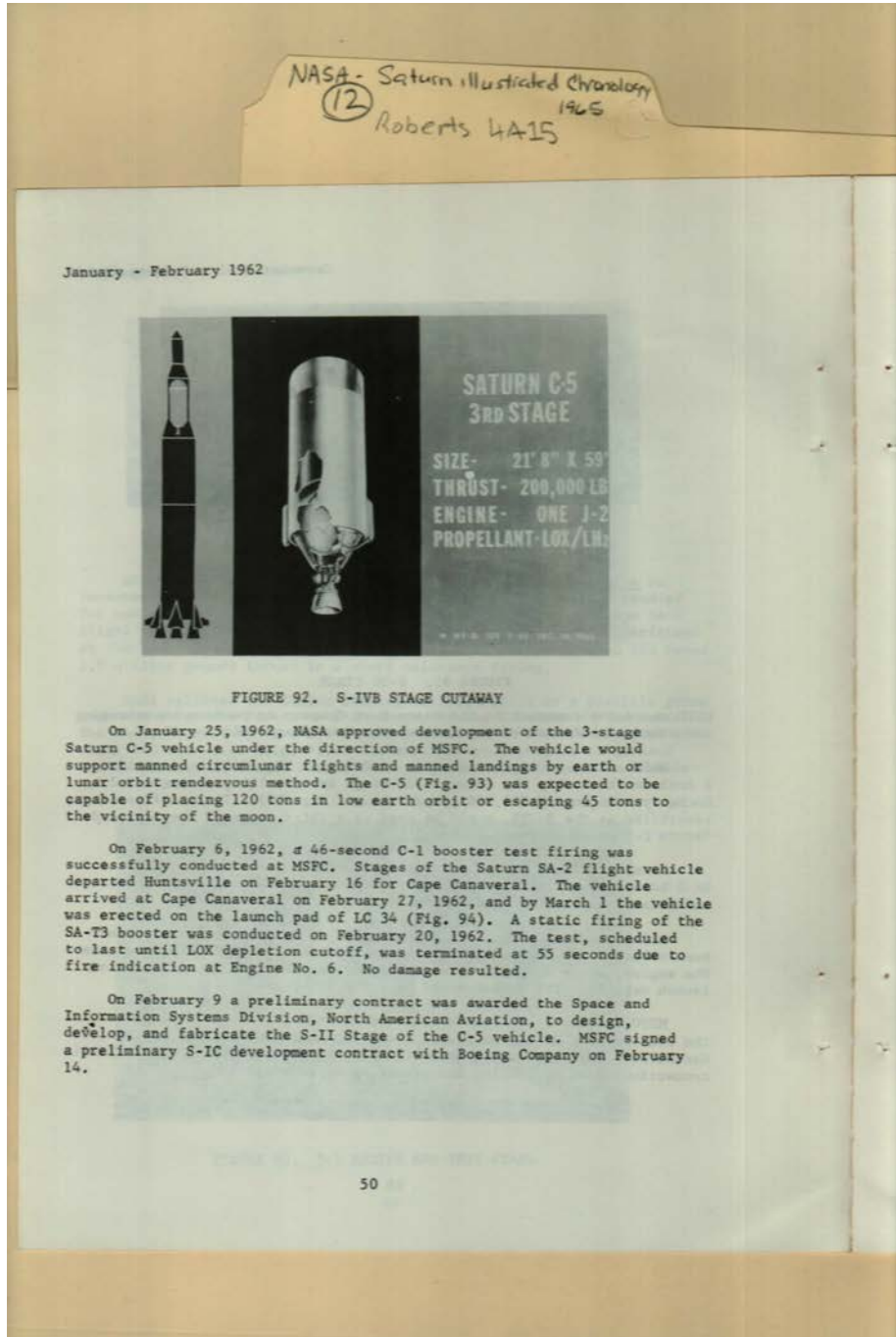
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

MSFC, Saturn C-5

S-IVB Stage Cutaway

Places:

Huntsville, AL

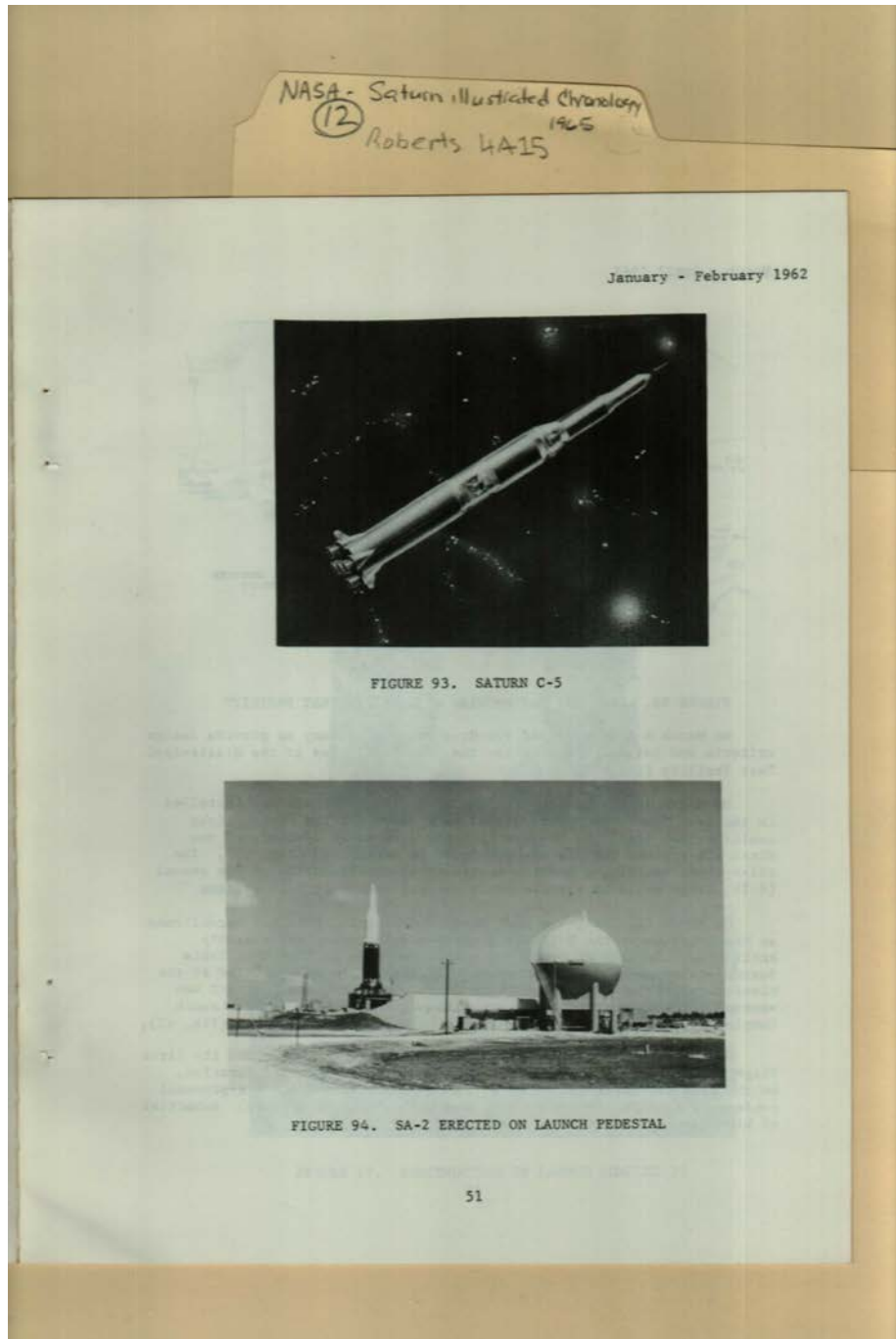
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

SA-2 Erected on
Launch Pedestal

Saturn C-5

Places:

Cape Canaveral, FL

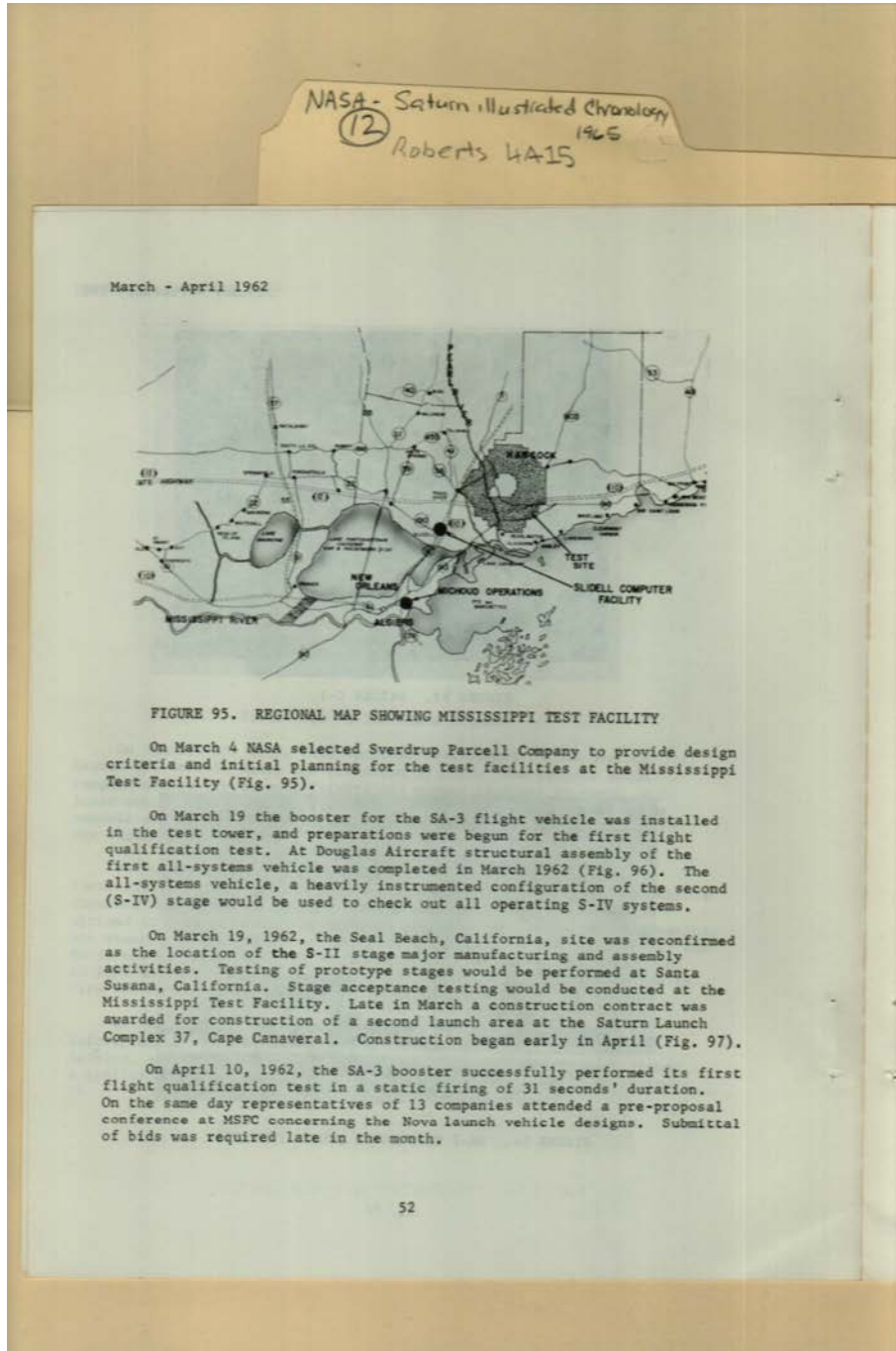
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Mississippi Test
Facility region

Sverdrup Parcell
Company

Places:

Mississippi

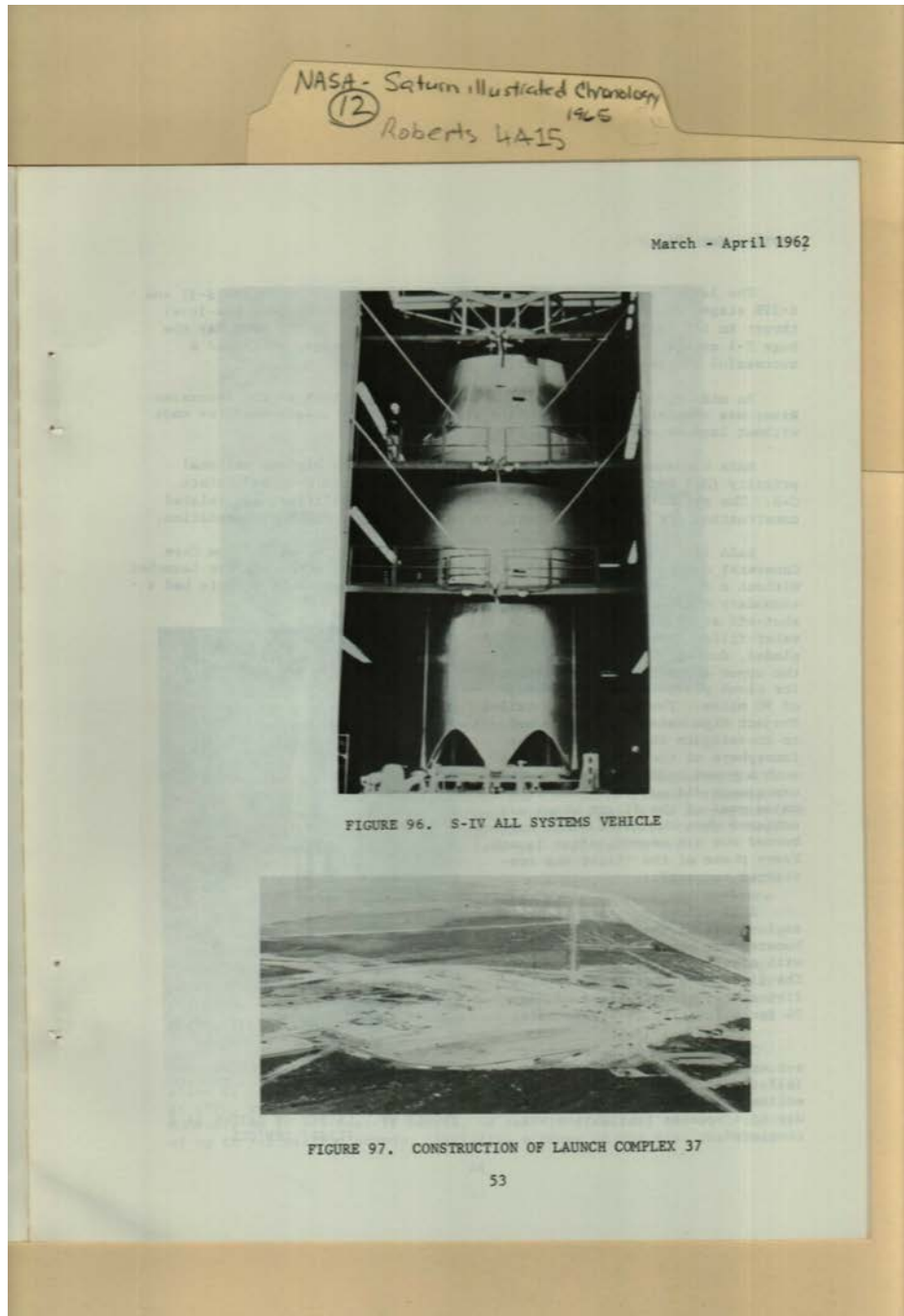
Types:

booklet

map

Dates:

May 15, 1965



Names:

Launch Complex 37
construction

S-IV All Systems
Vehicle

Places:

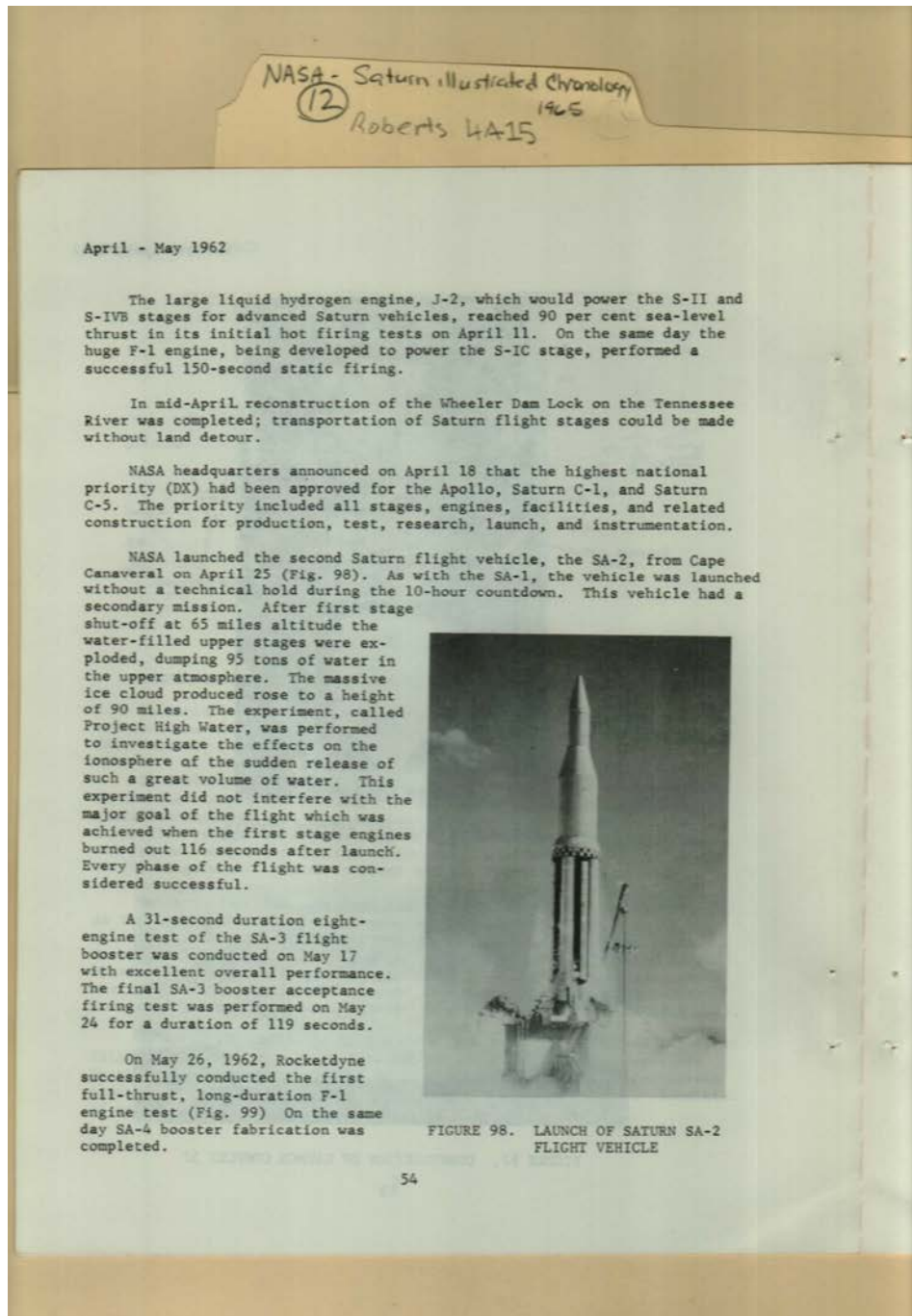
Cape Canaveral, FL

Types:

photograph

Dates:

May 15, 1965



Names:

Launch of Saturn SA-2 Flight Vehicle

Places:

Cape Canaveral, FL

Types:

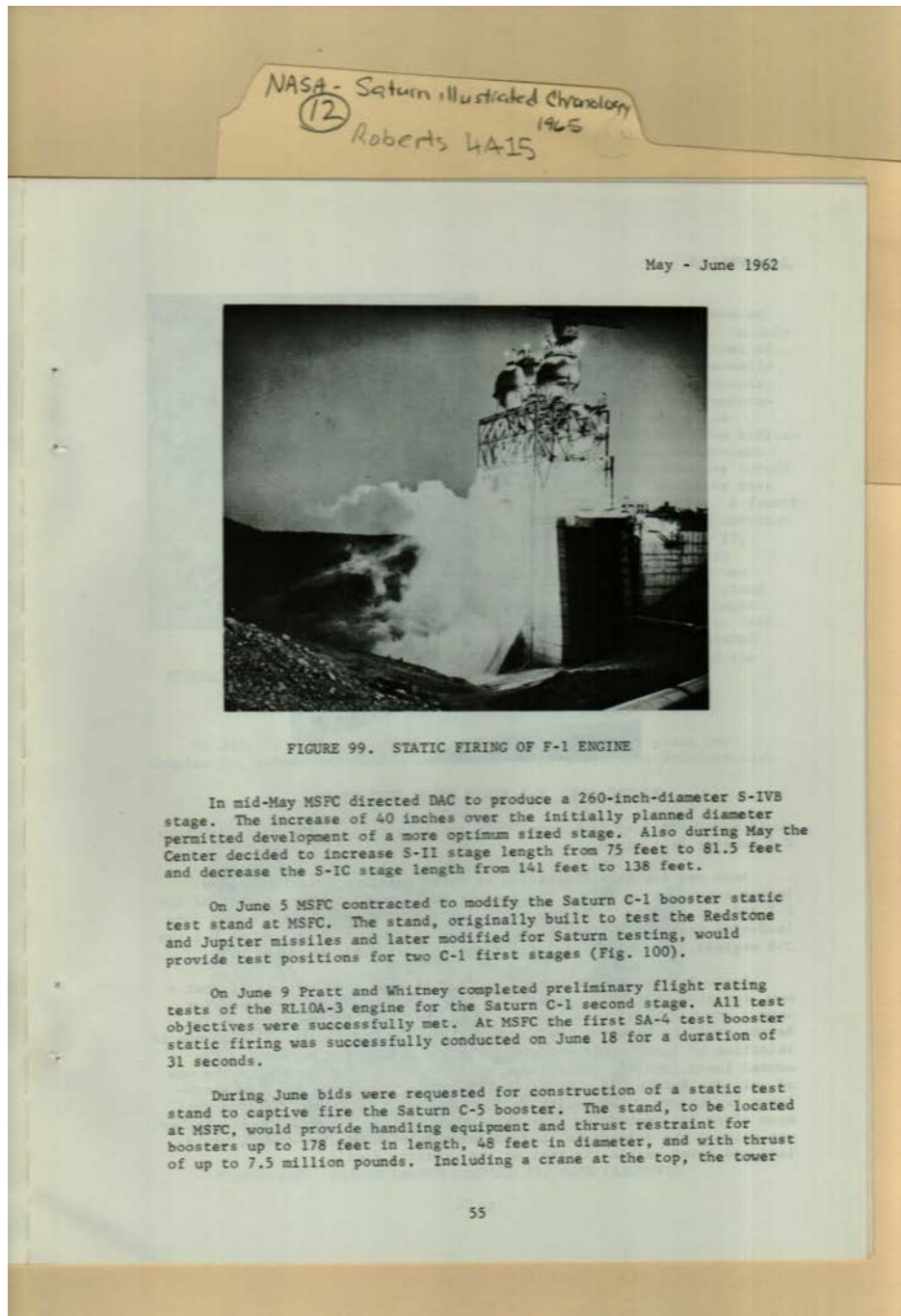
photograph

Dates:

May 15, 1965

Frances Cabaniss Roberts Collection: Series 4, Subseries A, Box 15, Folder 12
Saturn Illustrated Chronology, 1965 - NASA and MSFC

Image 58 r04a15-12-000-0663 [Contents](#) [Index](#) [About](#)



Names:

MSFC progress in
1962

Static Firing of F-1
Engine

Places:

Huntsville, AL

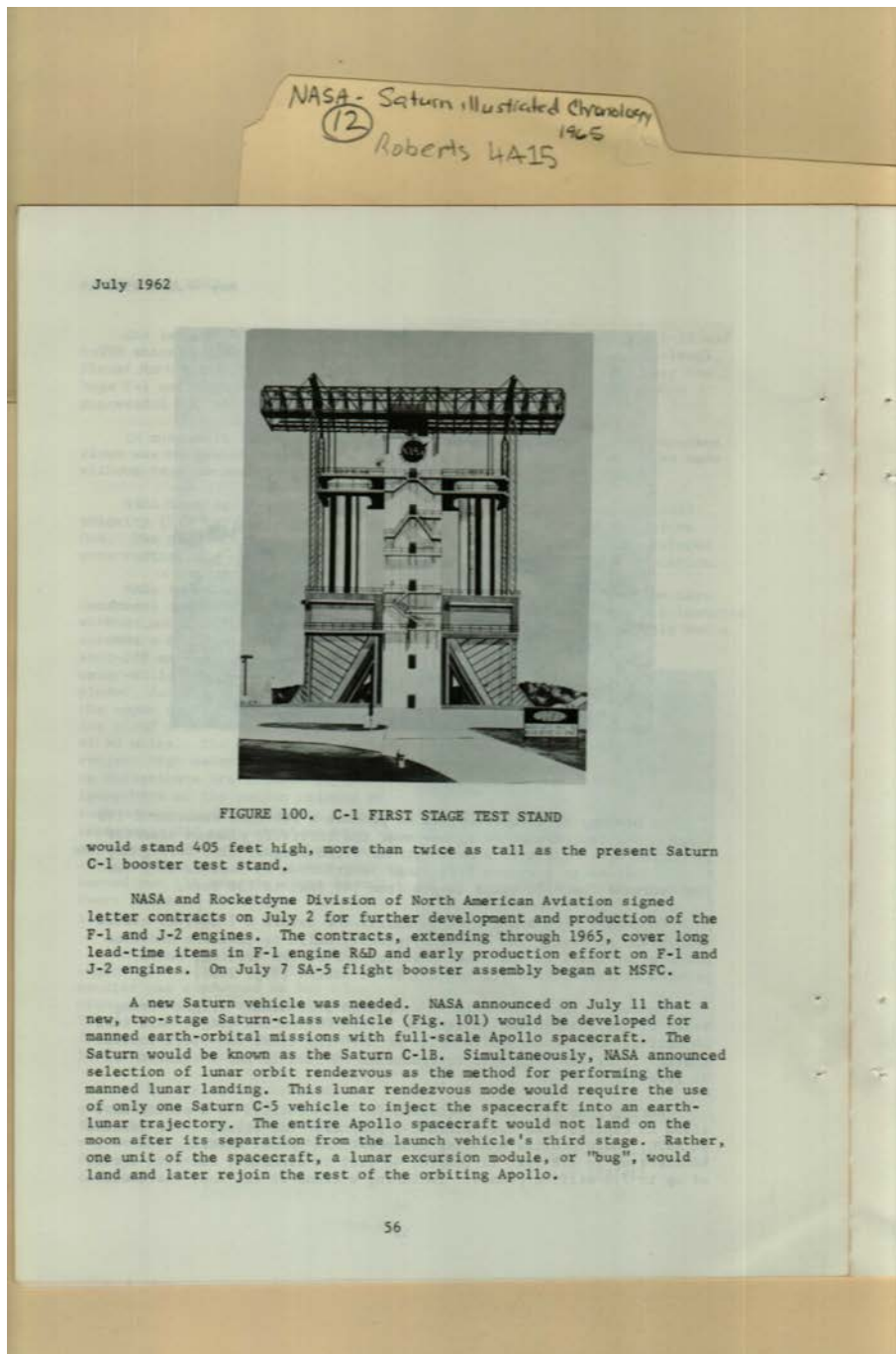
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

C-1 First Stage Test
Stand

Places:

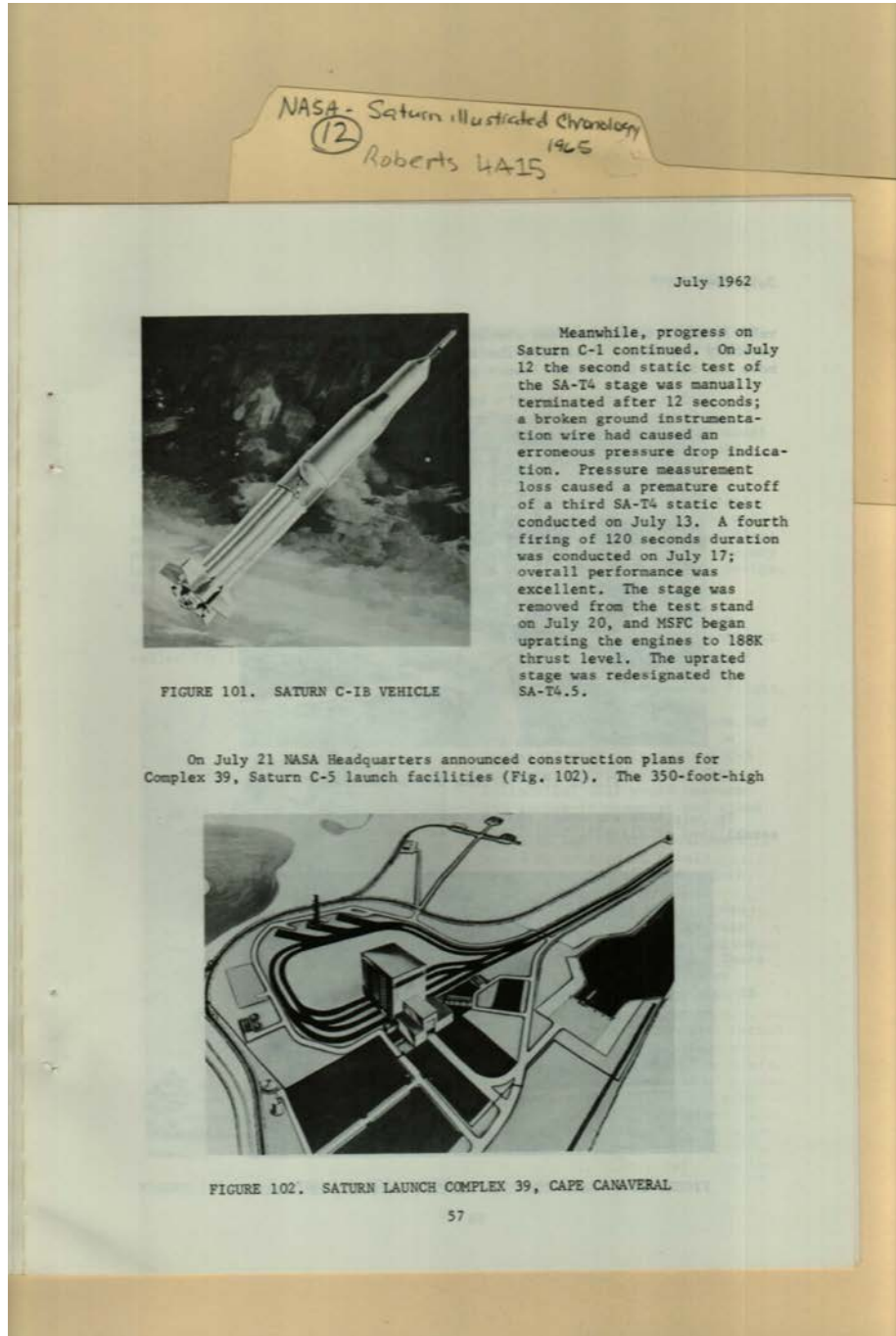
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Saturn C-1B Vehicle

Saturn Launch
Complex 39

Places:

Cape Canaveral, FL

Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

NASA Computer
Center

Saturn C-5 Launch
Pad

Places:

Cape Canaveral, FL

Slidell, LA

Types:

photograph

Dates:

May 15, 1965



Names:

C-5 Dynamics Test Tower

NASA contracts

Places:

Huntsville, AL

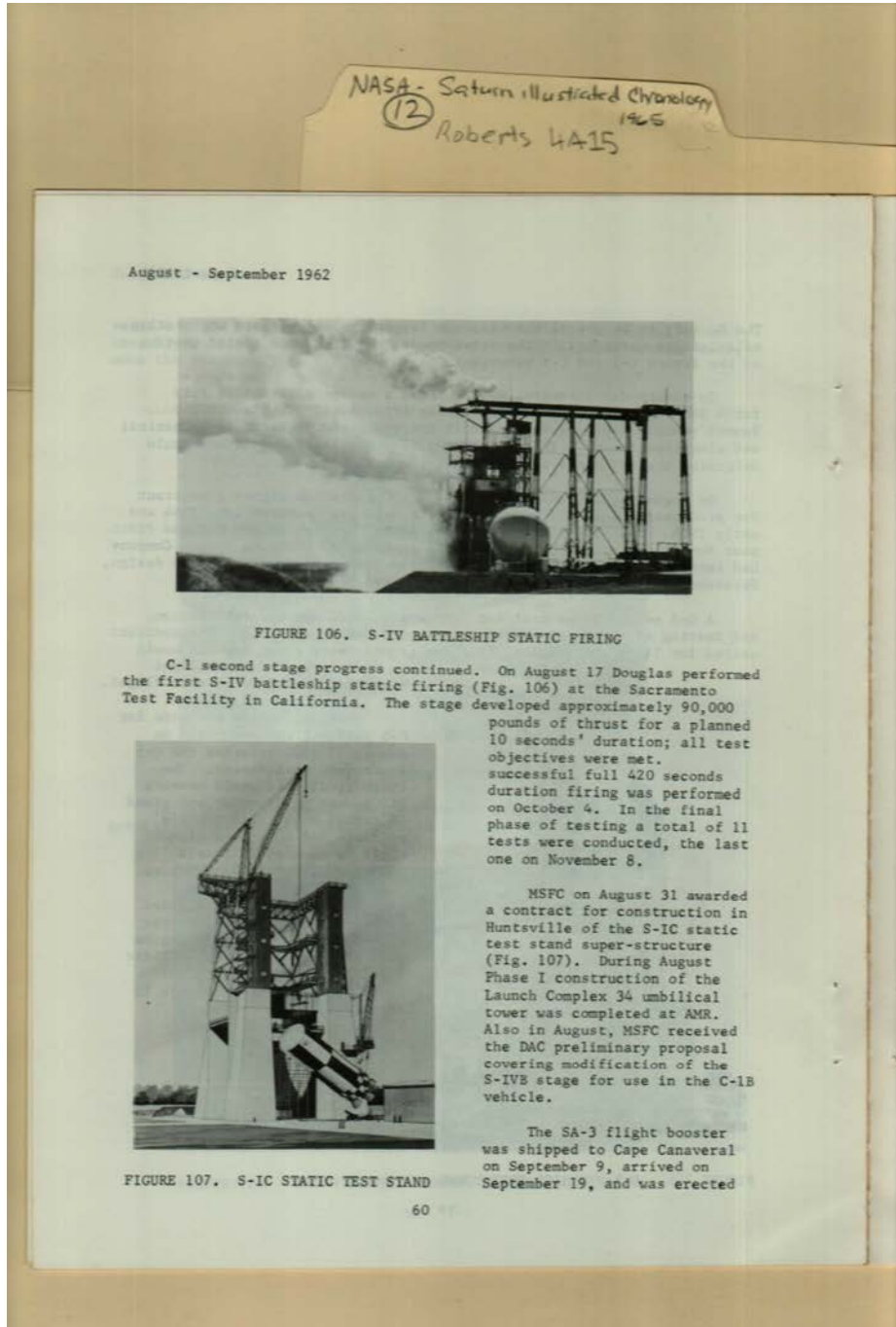
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

S-IC Static Test Stand

S-IV Battleship Static Firing

Places:

Huntsville, AL

Sacramento, CA

Types:

photograph

Dates:

May 15, 1965



Names:

Johnson, Vice President

Kennedy, President

President Kennedy Visits MSFC

S-II Stage Assembly and Test Facility

Places:

Huntsville, AL

Seal Beach, CA

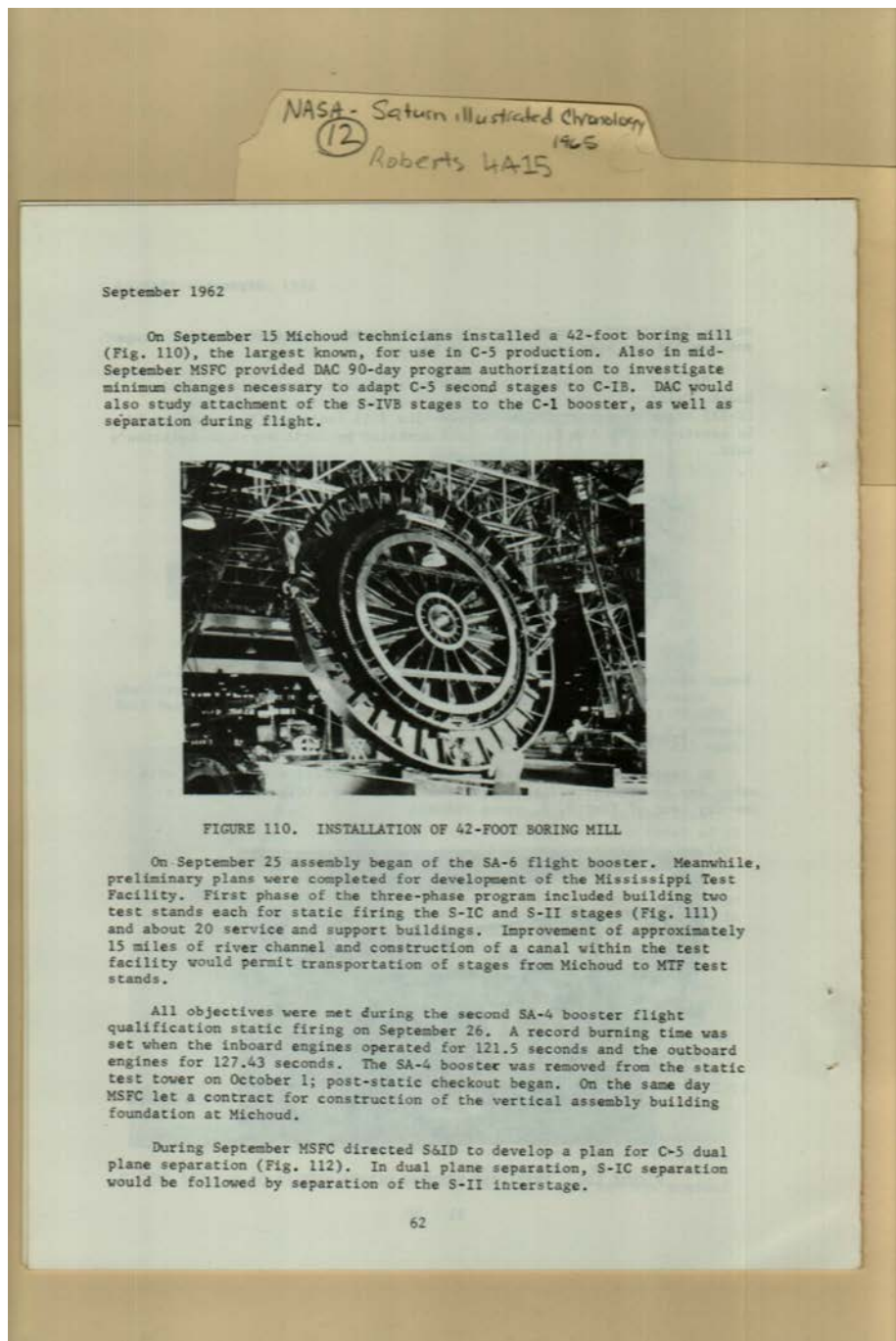
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

Installation of 42-Foot Boring Mill

Mississippi Test Facility

Places:

Mississippi

New Orleans, LA

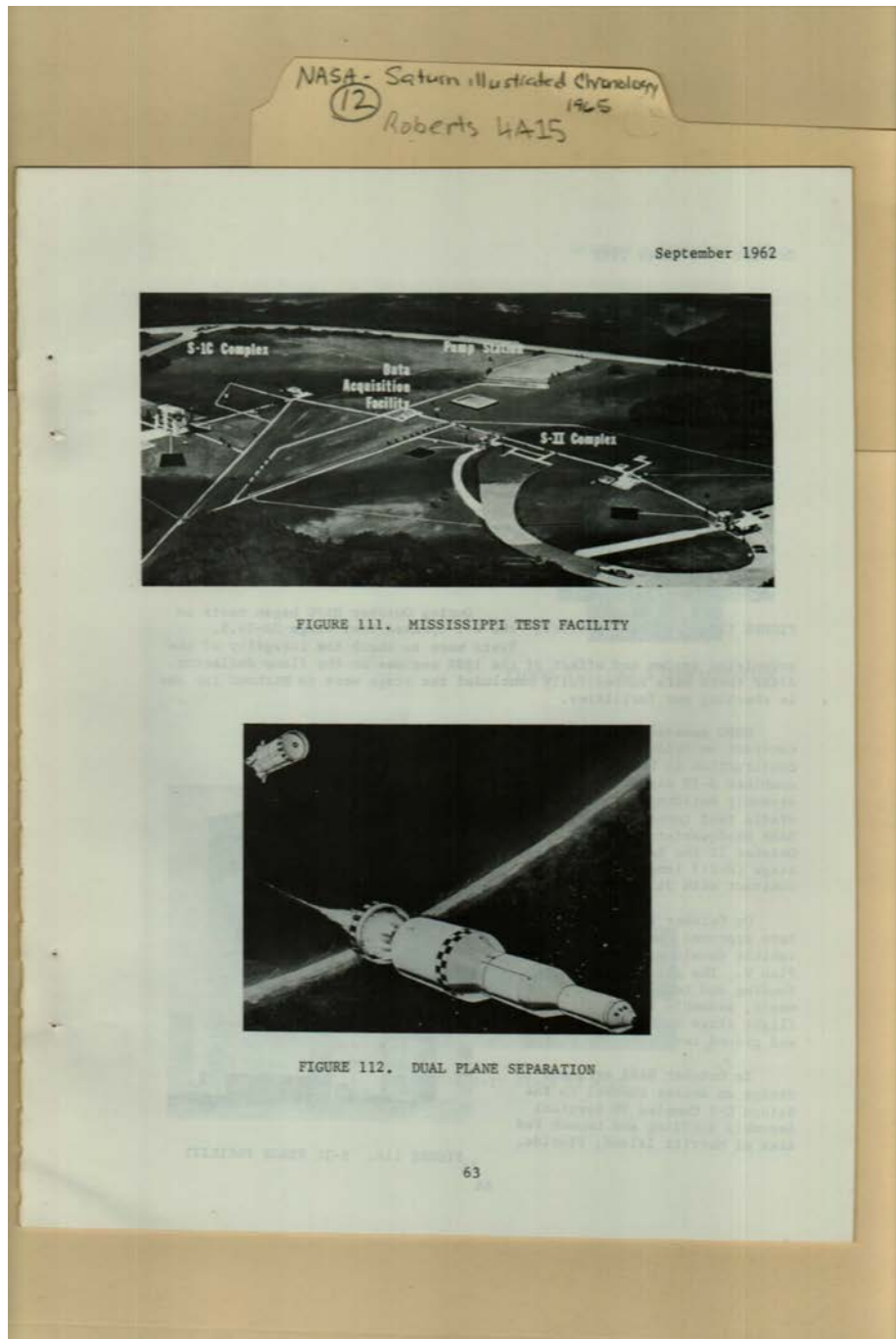
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

Dual Plane
Separation

Mississippi Test
Facility

Places:

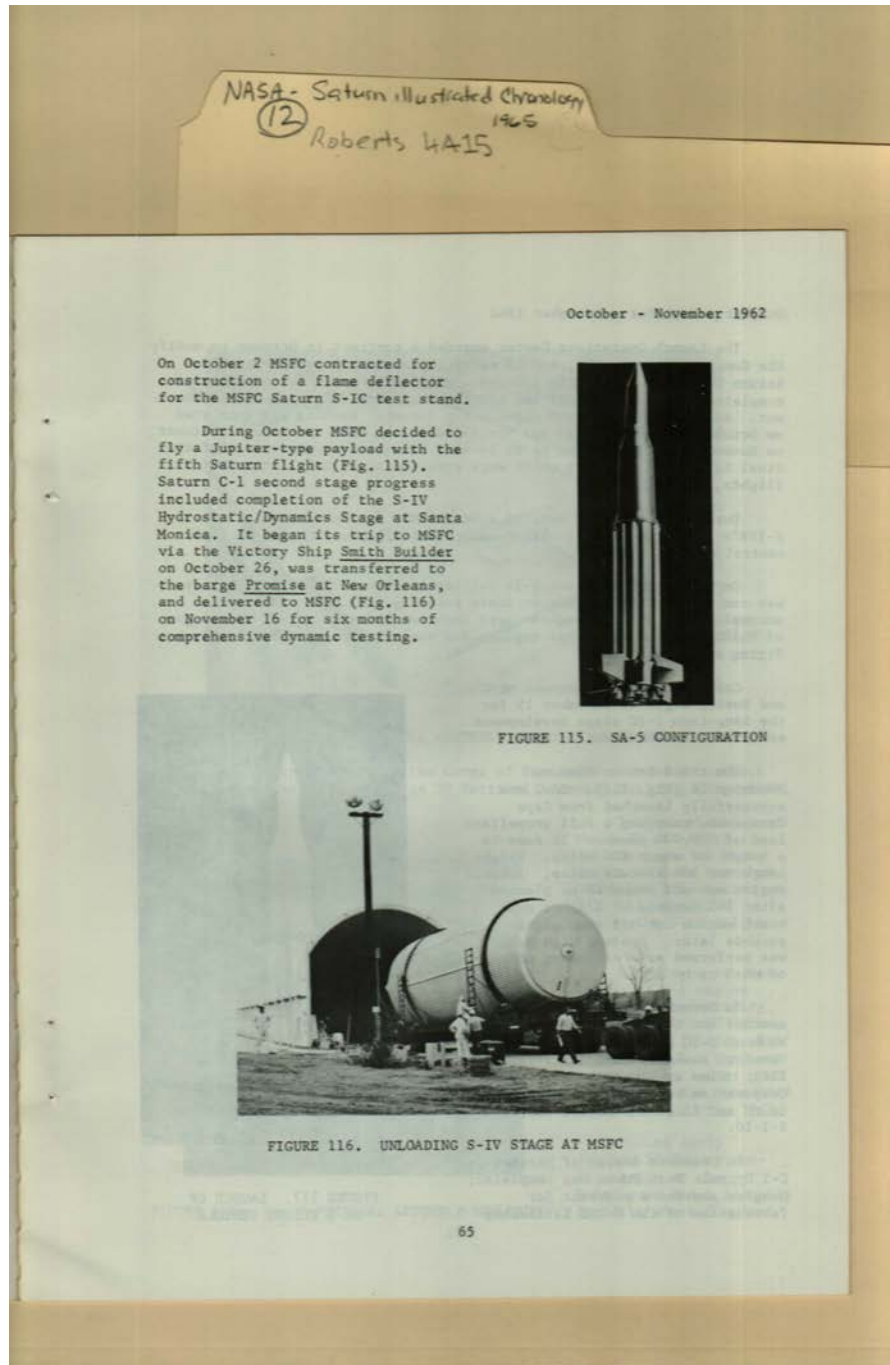
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

SA-5 Configurations

Unloading S-IV Stage
at MSFC

Places:

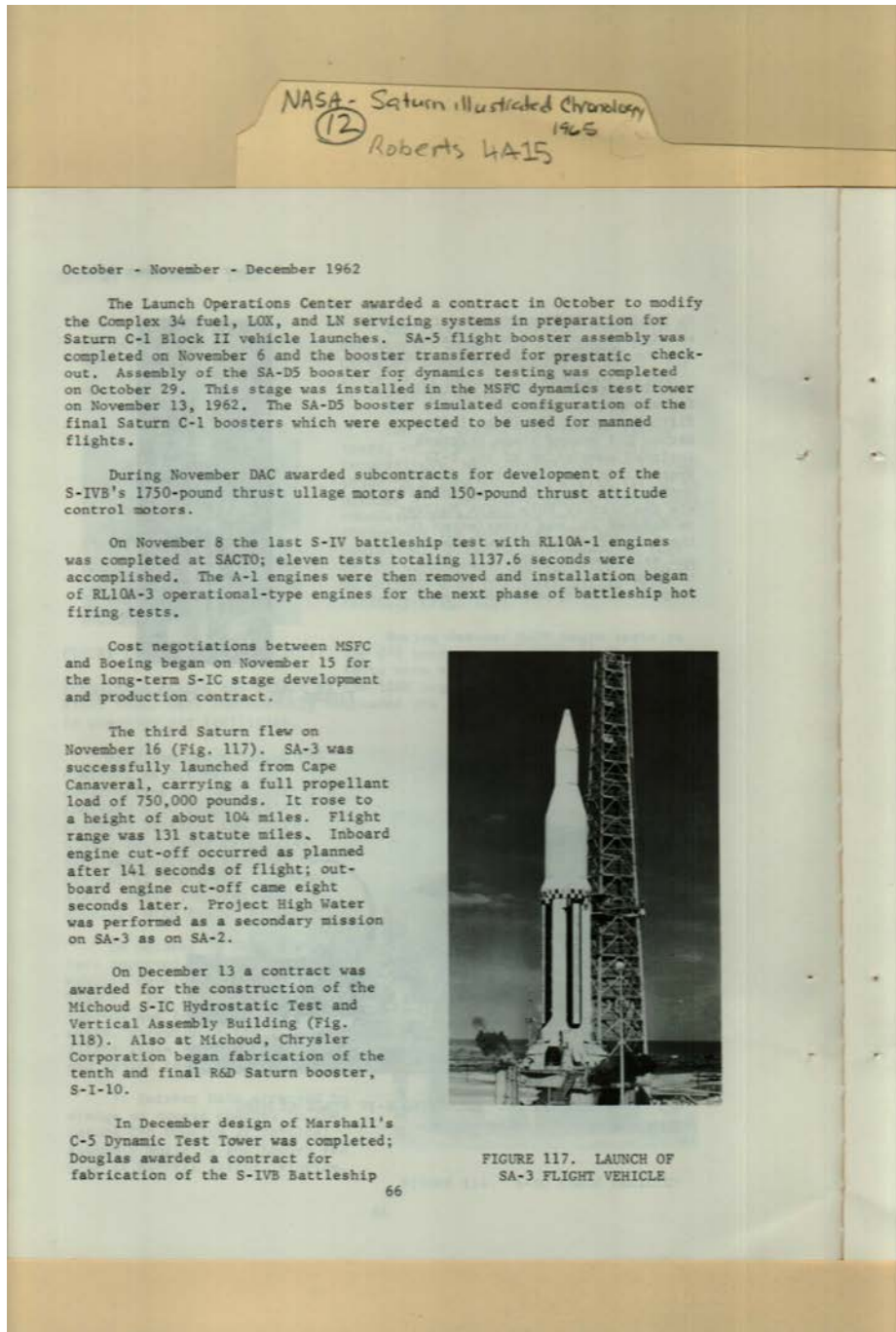
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

C-5 Dynamic Test Tower at MSFC

Launch of Saturn SA-3 Flight Vehicle

Places:

Cape Canaveral, FL

Huntsville, AL

Types:

booklet

photograph

Dates:

May 15, 1965



Names:

LC-39 Vertical
Assembly Building

Vertical Assembly
Building at

Michoud

Places:

Cape Canaveral, FL

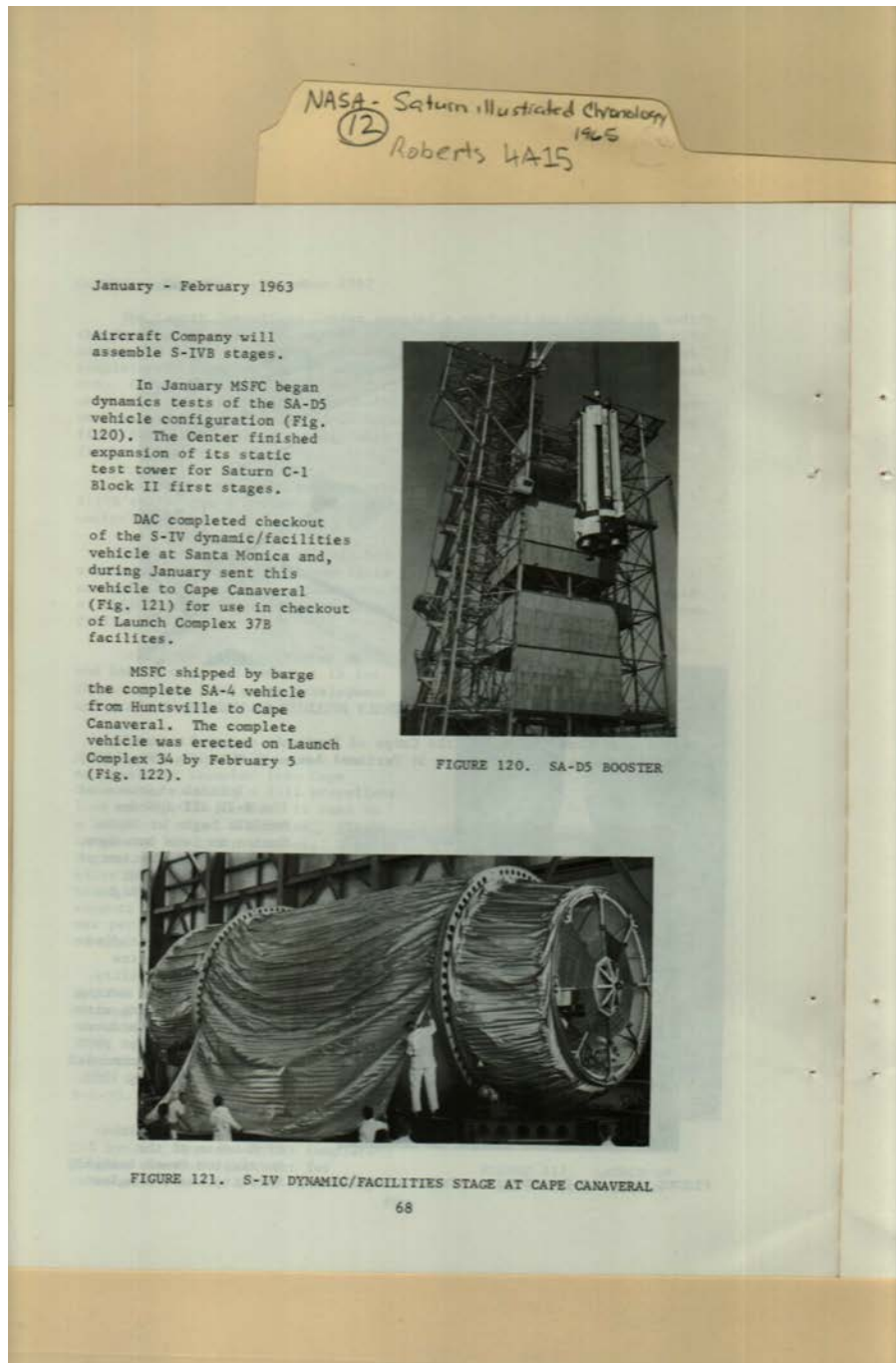
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

S-IV Dynamic /
Facilities Stage

SA-D5 Booster

Places:

Cape Canaveral, FL

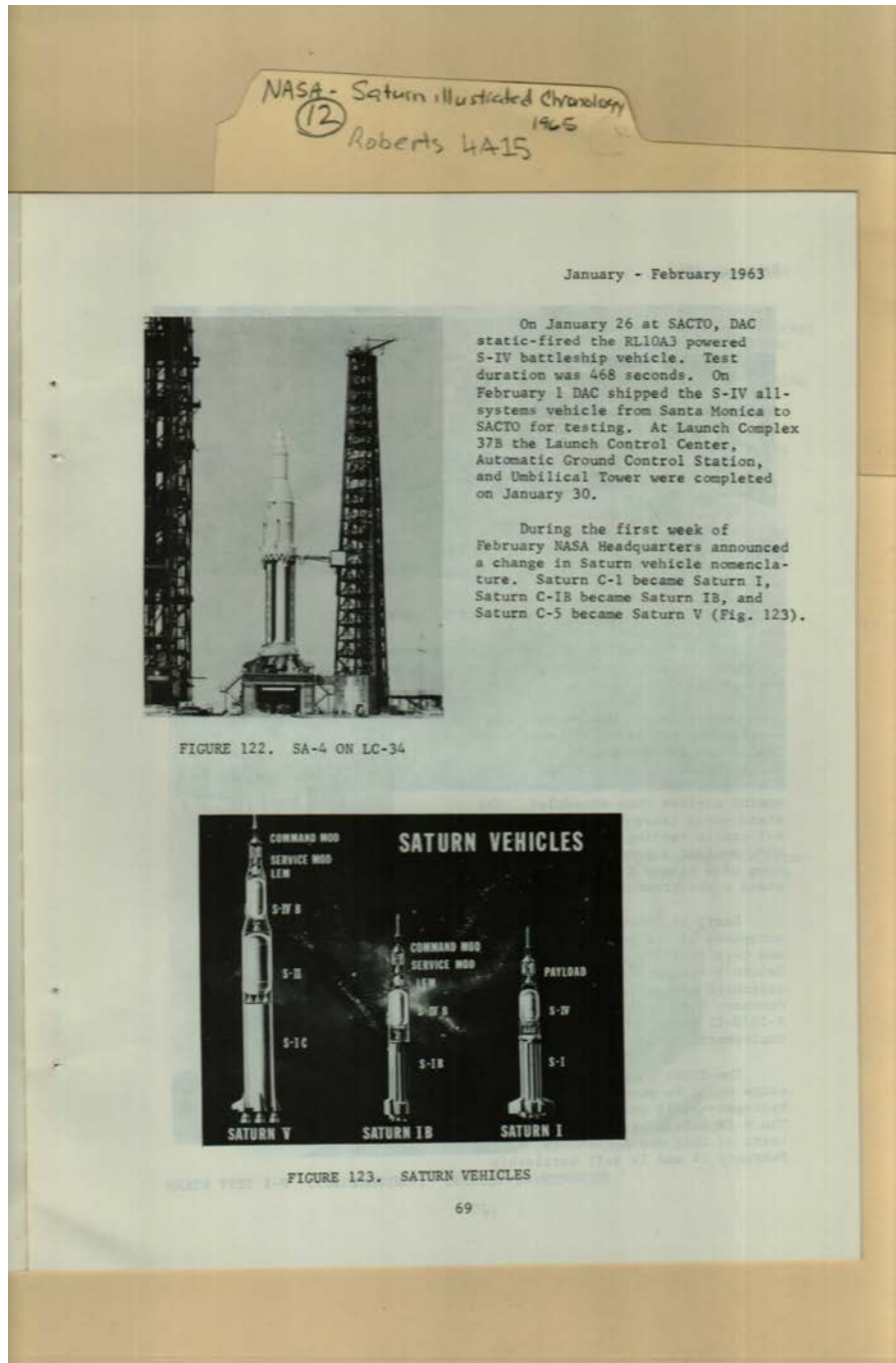
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

SA-4 on LC-34

Saturn Vehicles

Places:

Cape Canaveral, FL

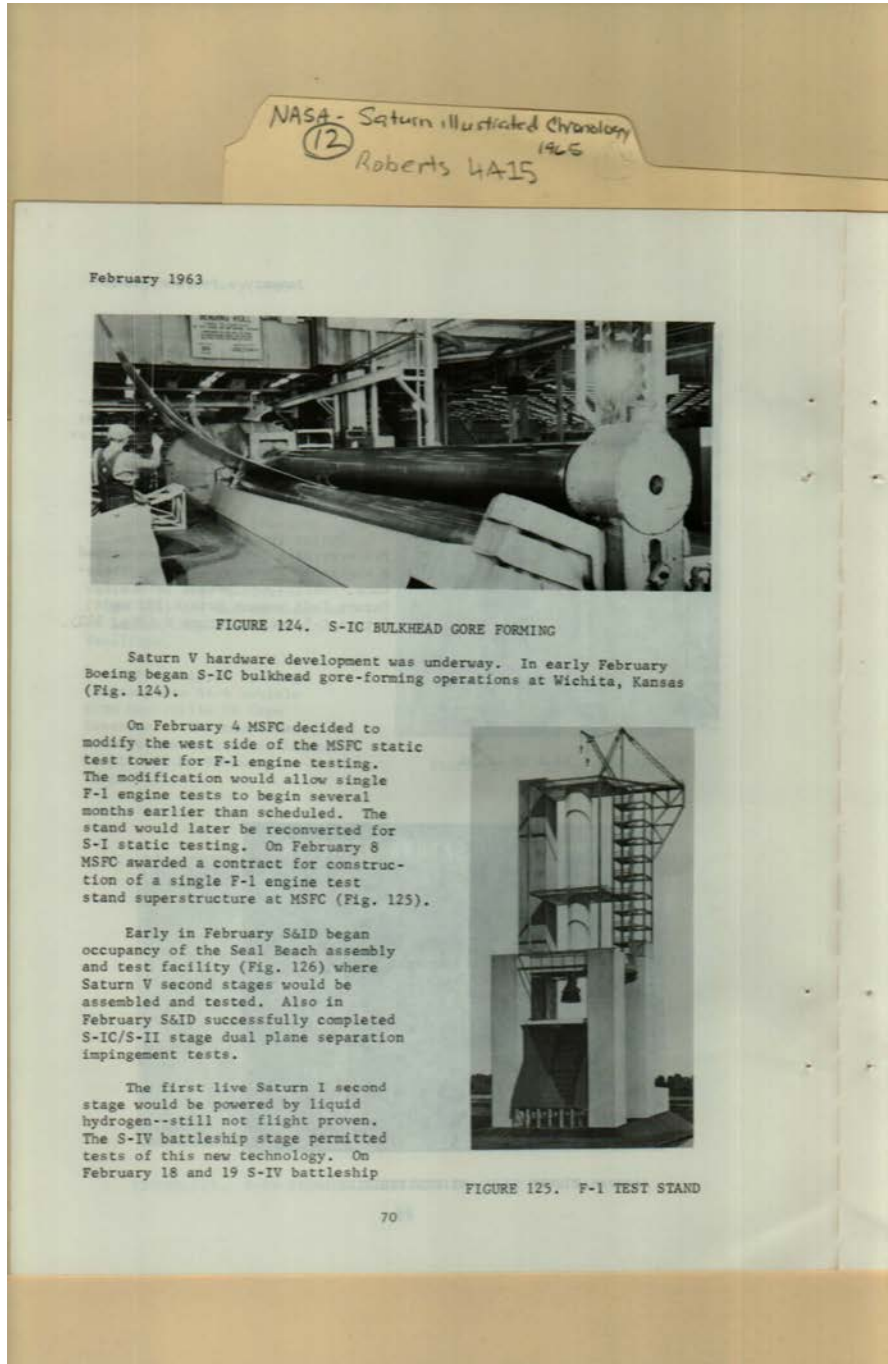
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

F-1 Test Stand

S-IC Bulkhead Gore
Forming

Places:

Huntsville, AL

Wichita, KS

Types:

photograph

Dates:

May 15, 1965



Names:

Crawler-Transporter

S-II Seal Beach
Facility

Places:

Cape Canaveral, FL

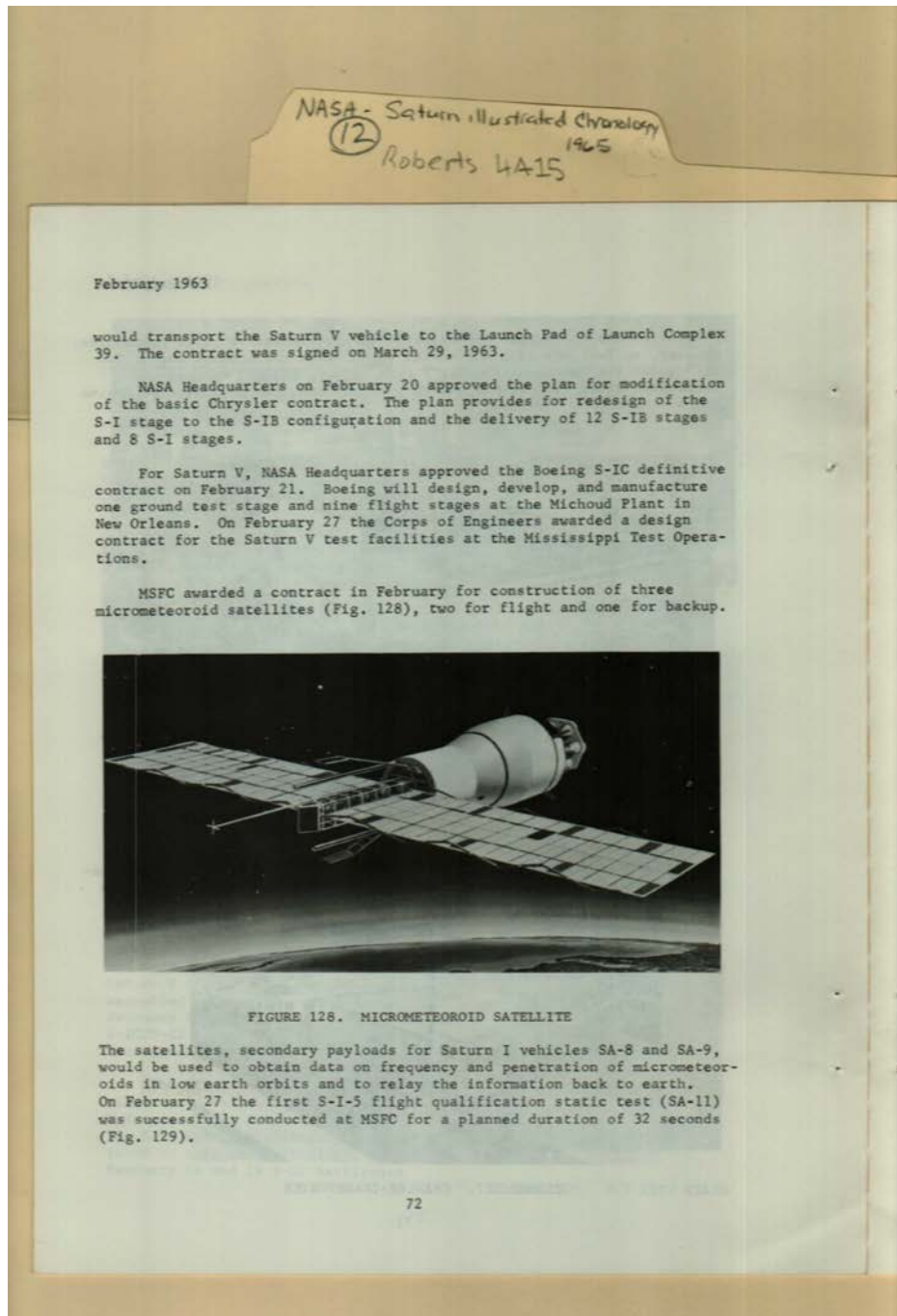
Seal Beach, CA

Types:

photograph

Dates:

May 15, 1965



Names:

Micrometeoroid
Satellite

Places:

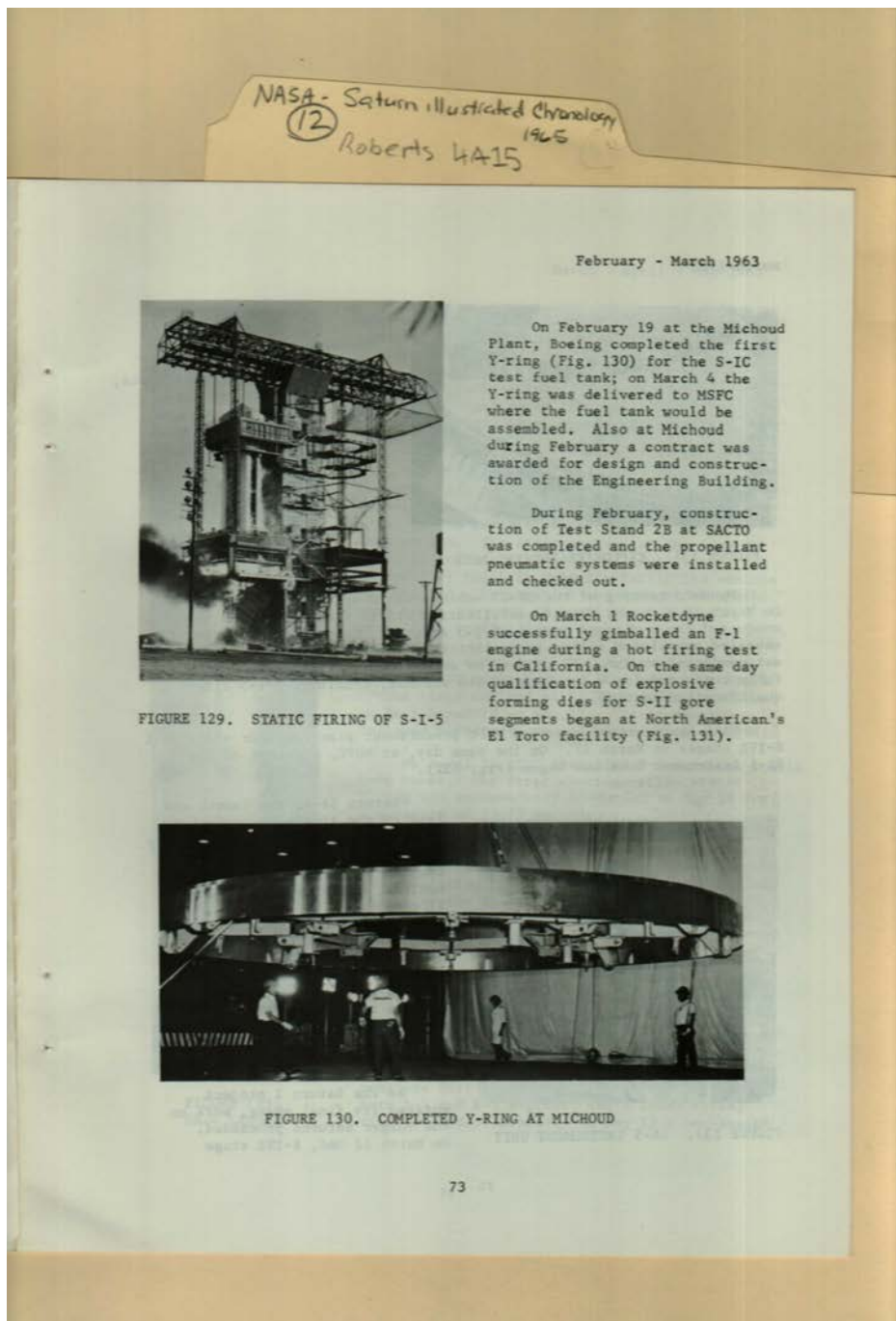
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

S-I-5 Static Firing

Y-Ring at Michoud

Places:

Mississippi

Sacramento, CA

Types:

photograph

Dates:

May 15, 1965

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12
Roberts 4A-15
1965

March 1963

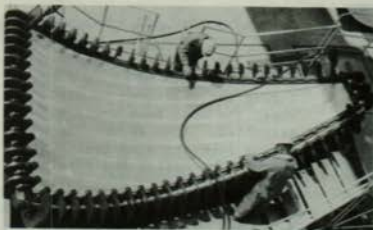


FIGURE 131. EXPLOSIVE FORMING DIES

S&ID awarded a construction contract for the electro-mechanical mockup at Downey, California, on March 1; the mockup will be used for design and engineering verification of various S-II systems. On March 8 MSFC awarded a one-year contract to industry for operation of the Slidell Computer Facility at Slidell, Louisiana.

Dynamic testing of the SA-DS vehicle was completed on March 7. On March 13 a second flight qualification static firing of S-I-5 was conducted for a planned period of 143 seconds. Subsequent analysis revealed propulsion system irregularities, and a third static firing was conducted on March 27 to confirm corrections. This test, successfully conducted for a duration of 144 seconds, concluded S-I-5 flight qualification testing.

NASA Headquarters approved MSFC procurement plan for four additional S-IVB stages on March 22. On the same day, at MSFC, checkout of the SA-5 Instrument Unit was begun (Fig. 132).



FIGURE 132. SA-5 INSTRUMENT UNIT

Saturn SA-4, the fourth and last of the single-powered-stage, Block I vehicles, was successfully launched on March 28 from Launch Complex 34 (Fig. 133). The vehicle, carrying several Block II components for test, reached an altitude of 80 statute miles. Range was 218 statute miles and peak velocity 3660 miles per hour. As a secondary mission the No. 5 inboard engine was cut off at 100 seconds to test the vehicle engine-out capability. Overall performance of the flight was very satisfactory.

As the Saturn I project entered its final phase, work on the larger Saturns proceeded. On March 12 DAC, S-IVB stage

Names:

Explosive Forming Dies

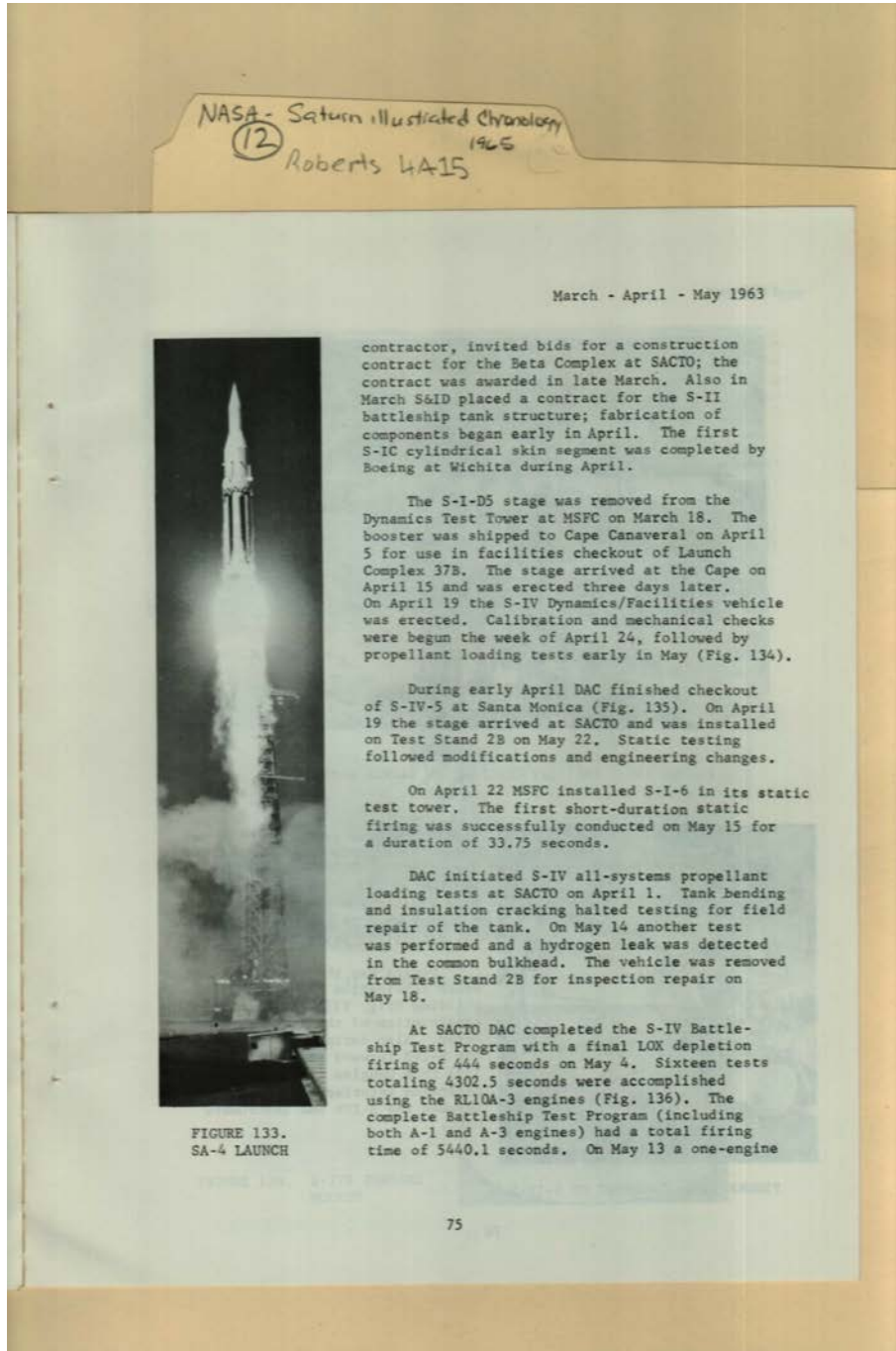
SA-5 Instrument Unit

Types:

photograph

Dates:

May 15, 1965



Names:

SA-4 Launch

Places:

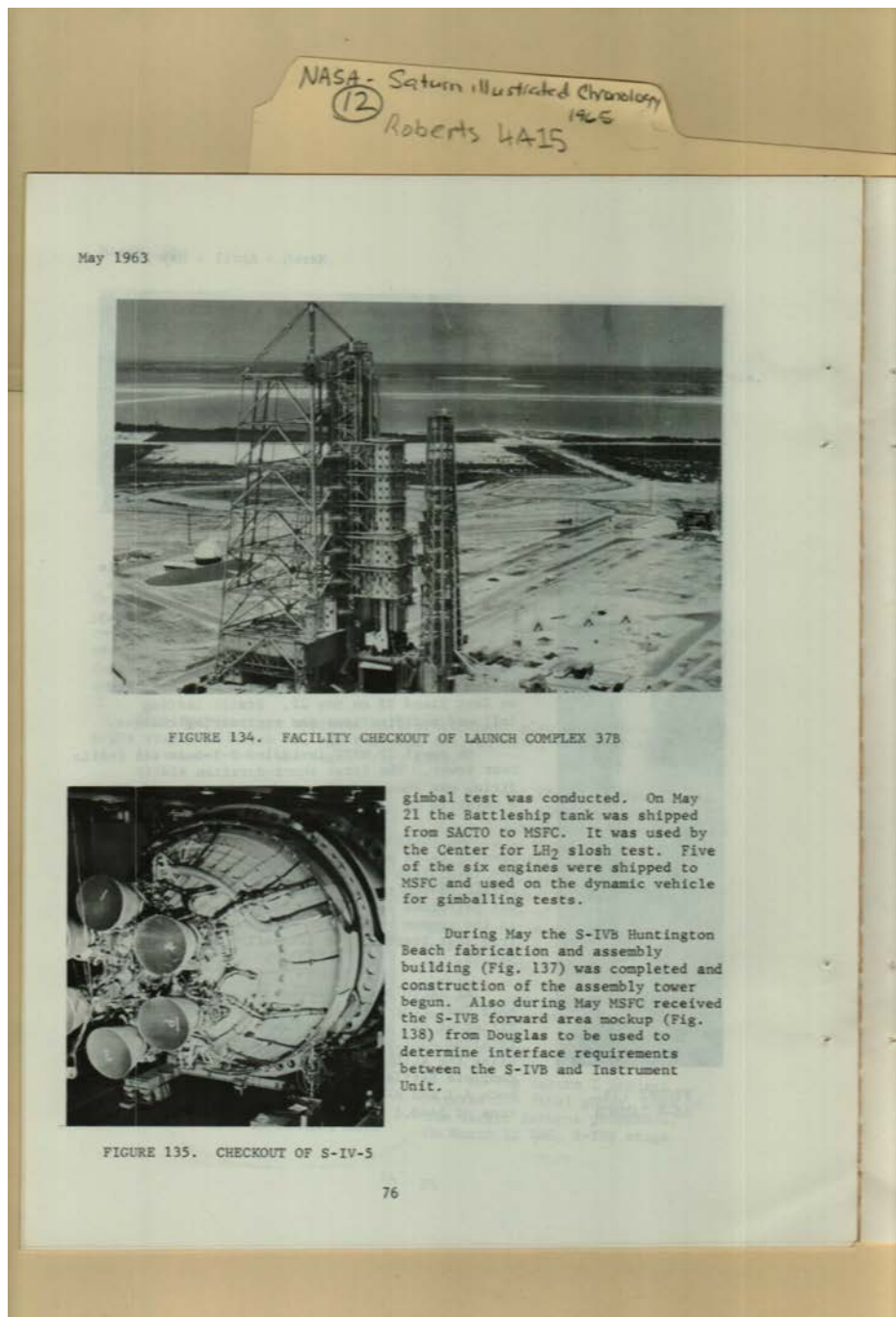
Cape Canaveral, FL

Types:

photograph

Dates:

May 15, 1965



Names:

Checkout of S-IV-5

Facility Checkout of
Launch Complex

37B

Places:

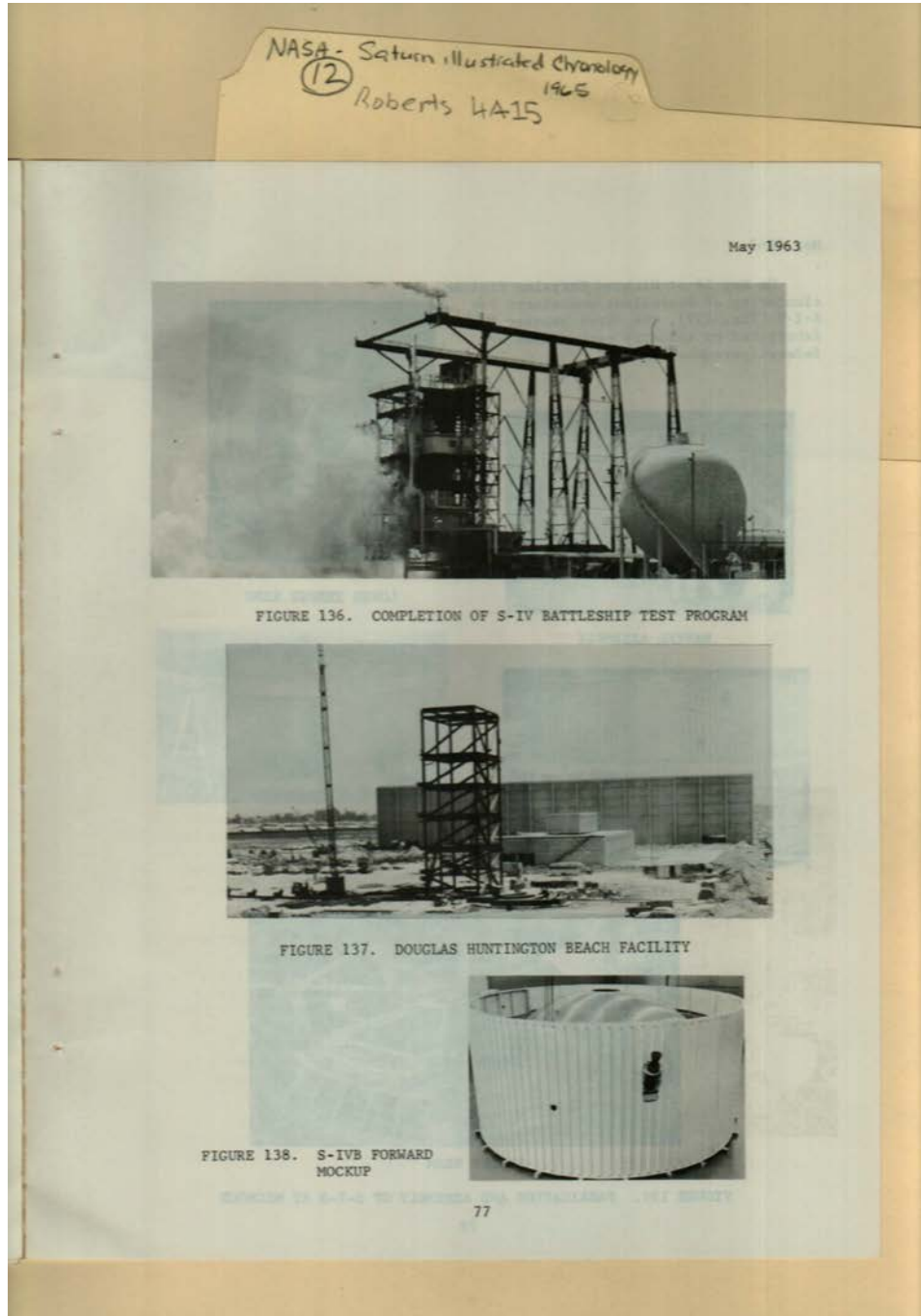
Cape Canaveral, FL

Types:

photograph

Dates:

May 15, 1965



Names:

Douglas Huntington
Beach Facility

S-IV Battleship Test
Program

S-IVB Forward
Mockup

Places:

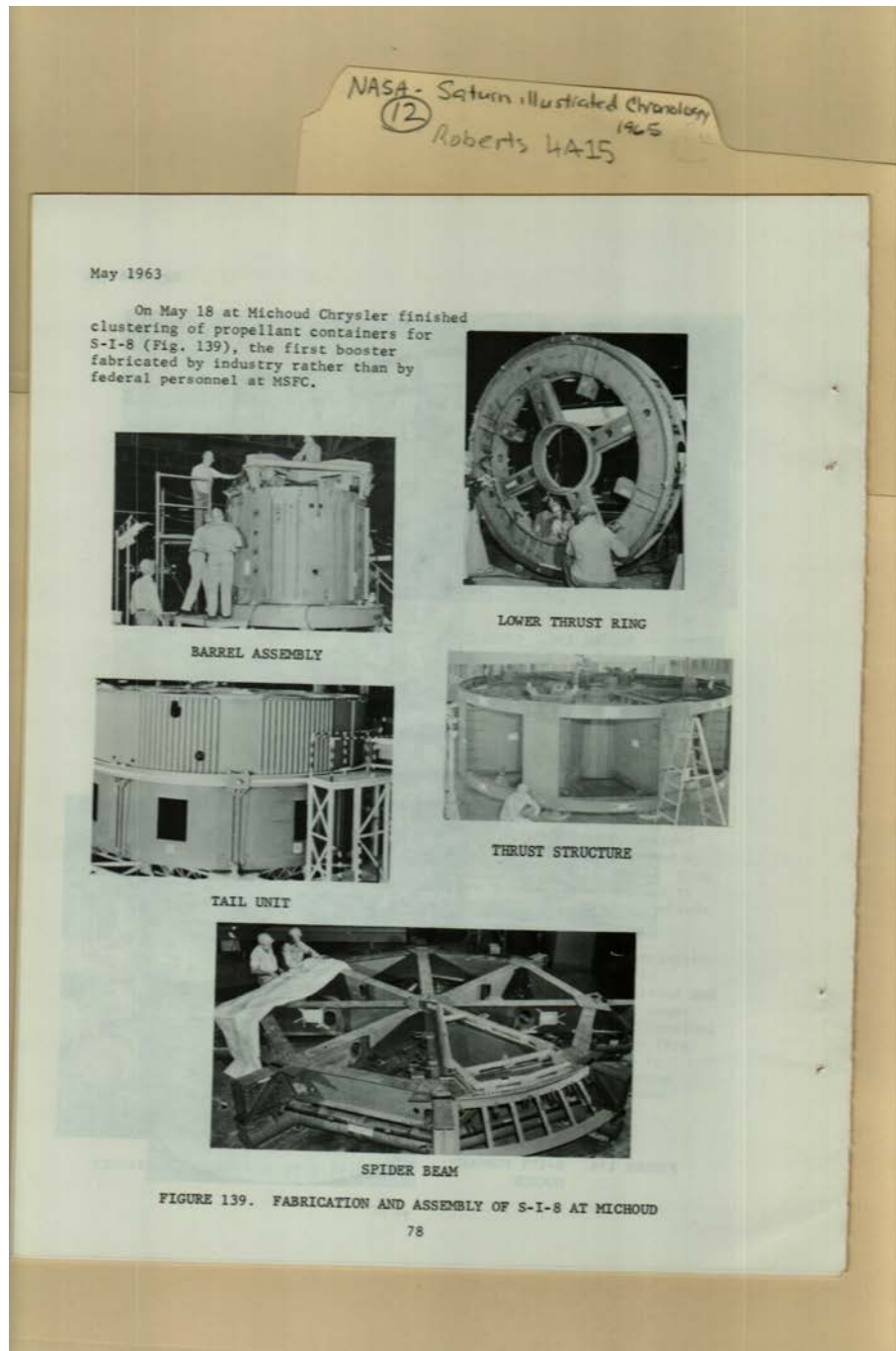
Huntington Beach,
CA

Types:

photograph

Dates:

May 15, 1965



Names:

Barrel Assembly
Lower Thrust Ring

Spider Beam
Tail Unit

Thrust Structure

Places:

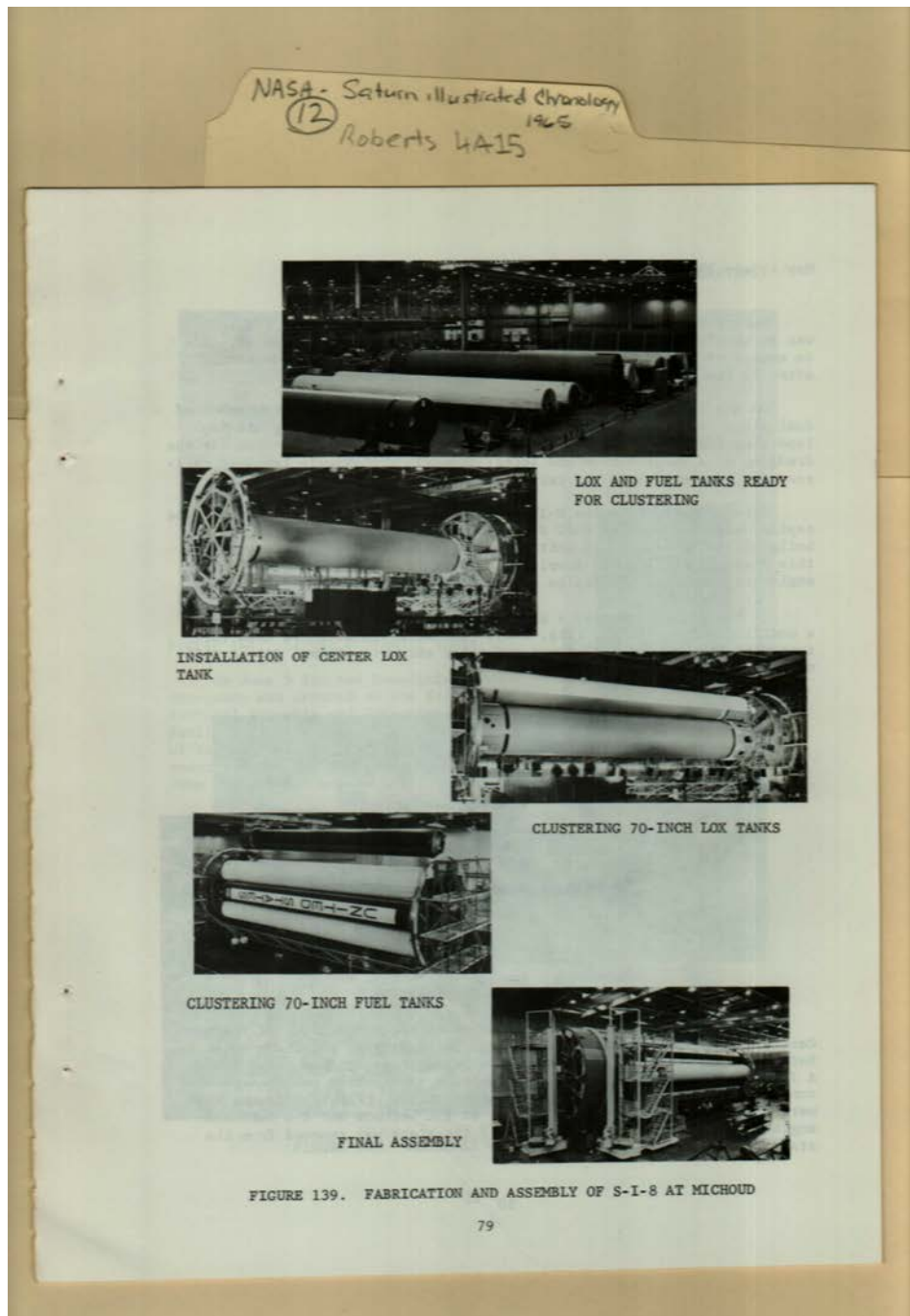
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

Center LOX Tank
Clustering 70-Inch
Fuel Tanks

Clustering 70-Inch
LOX Tanks

Final Assembly of S-
I-8 at Michoud
LOX and Fuel Tanks

Places:

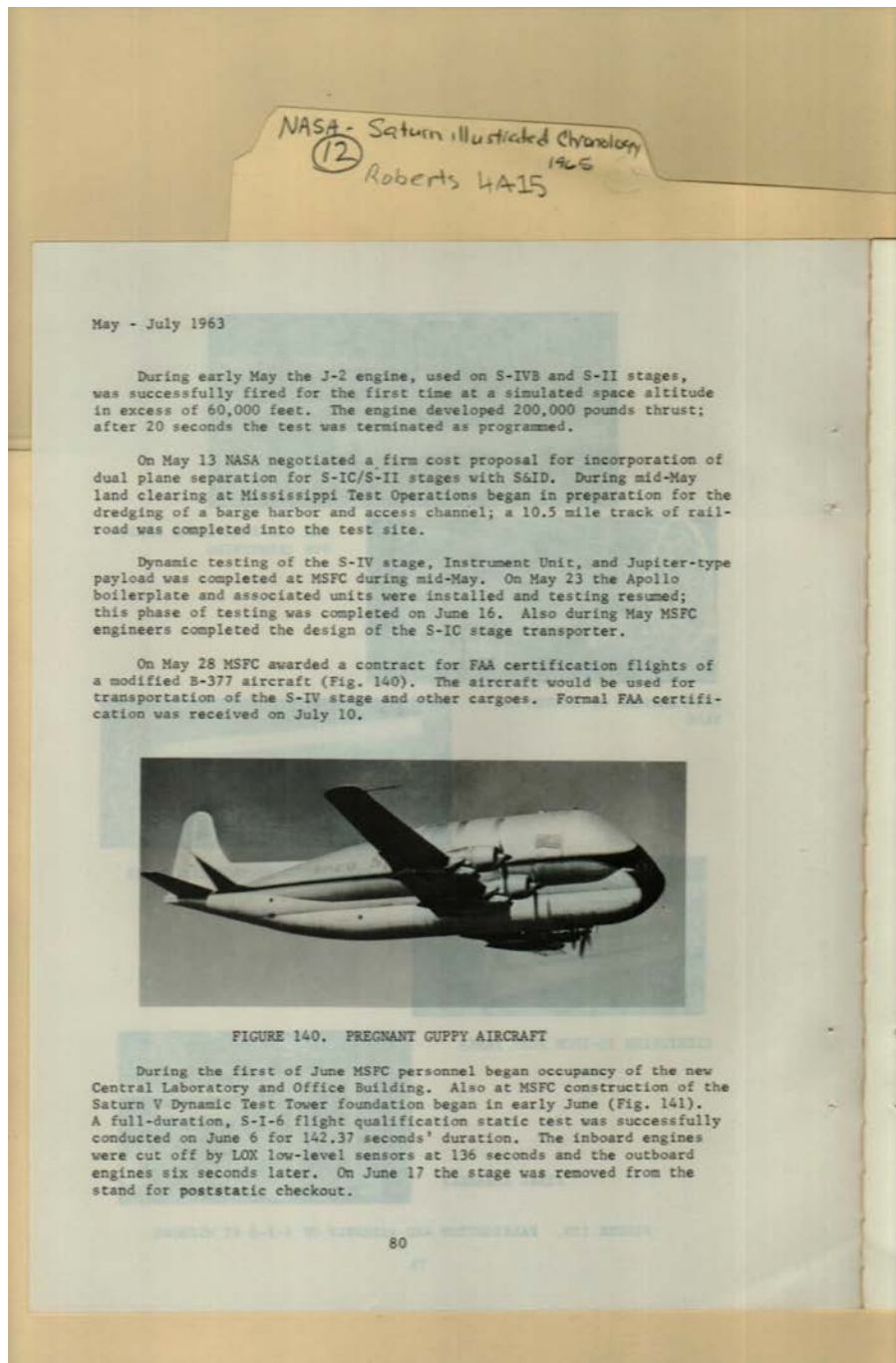
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

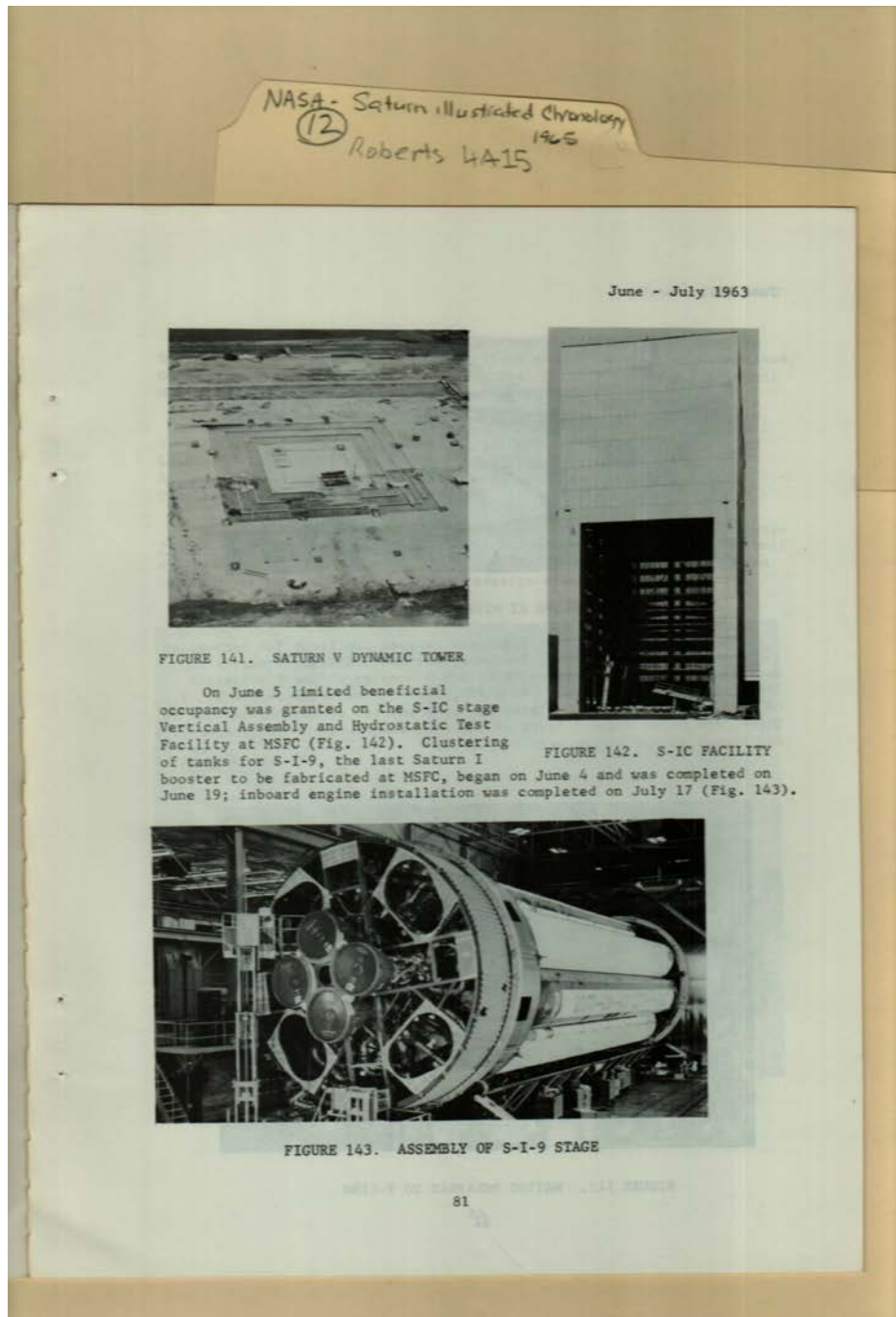
Pregnant Guppy
Aircraft

Types:

photograph

Dates:

May 15, 1965



Names:

Assembly of S-1-9
Stage

S-1C Facility

Saturn V Dynamic
Tower

Places:

Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Dredging at
Mississippi Test

Operations

Mating Bulkhead to
Y-Ring

Places:

Huntsville, AL

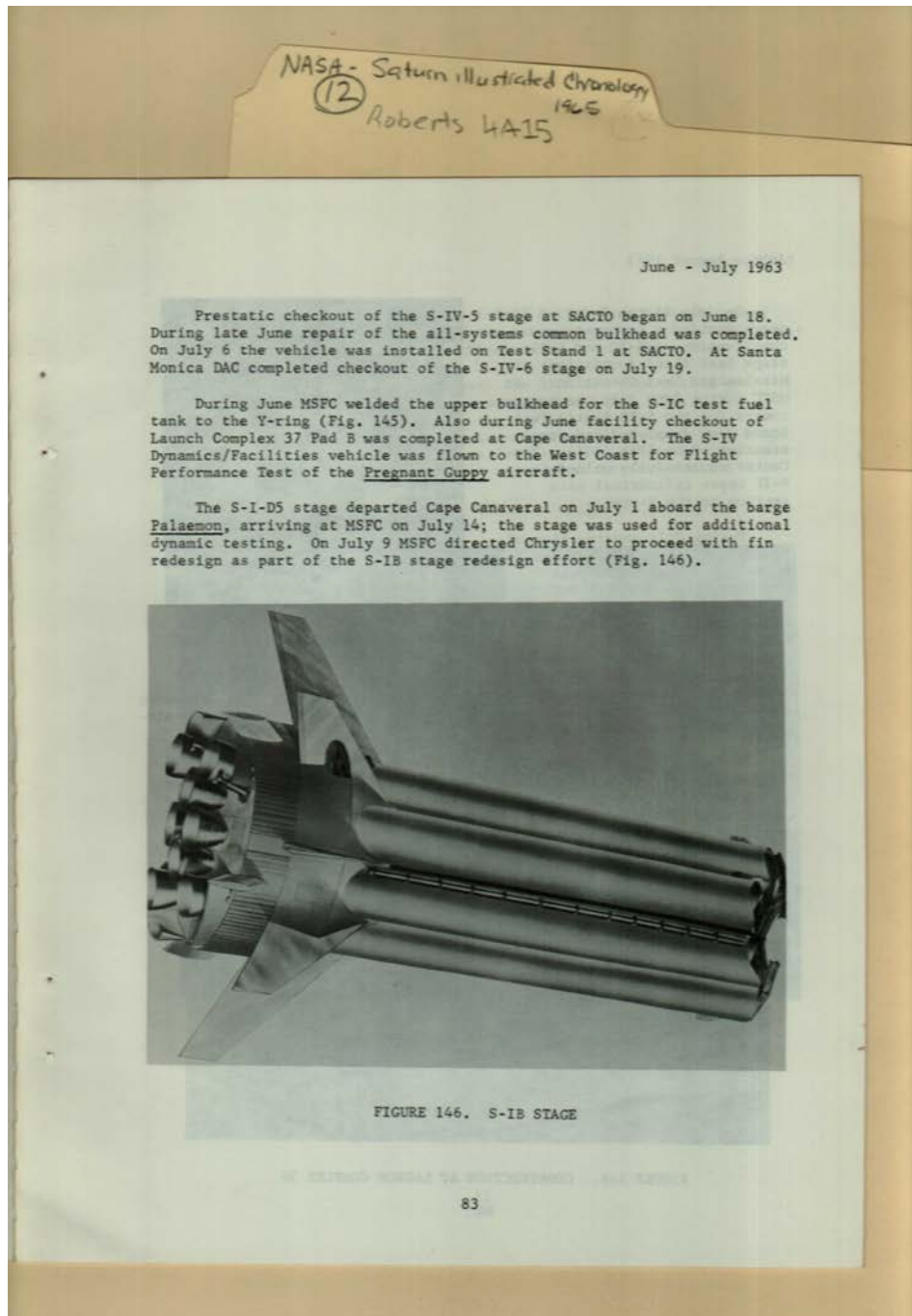
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

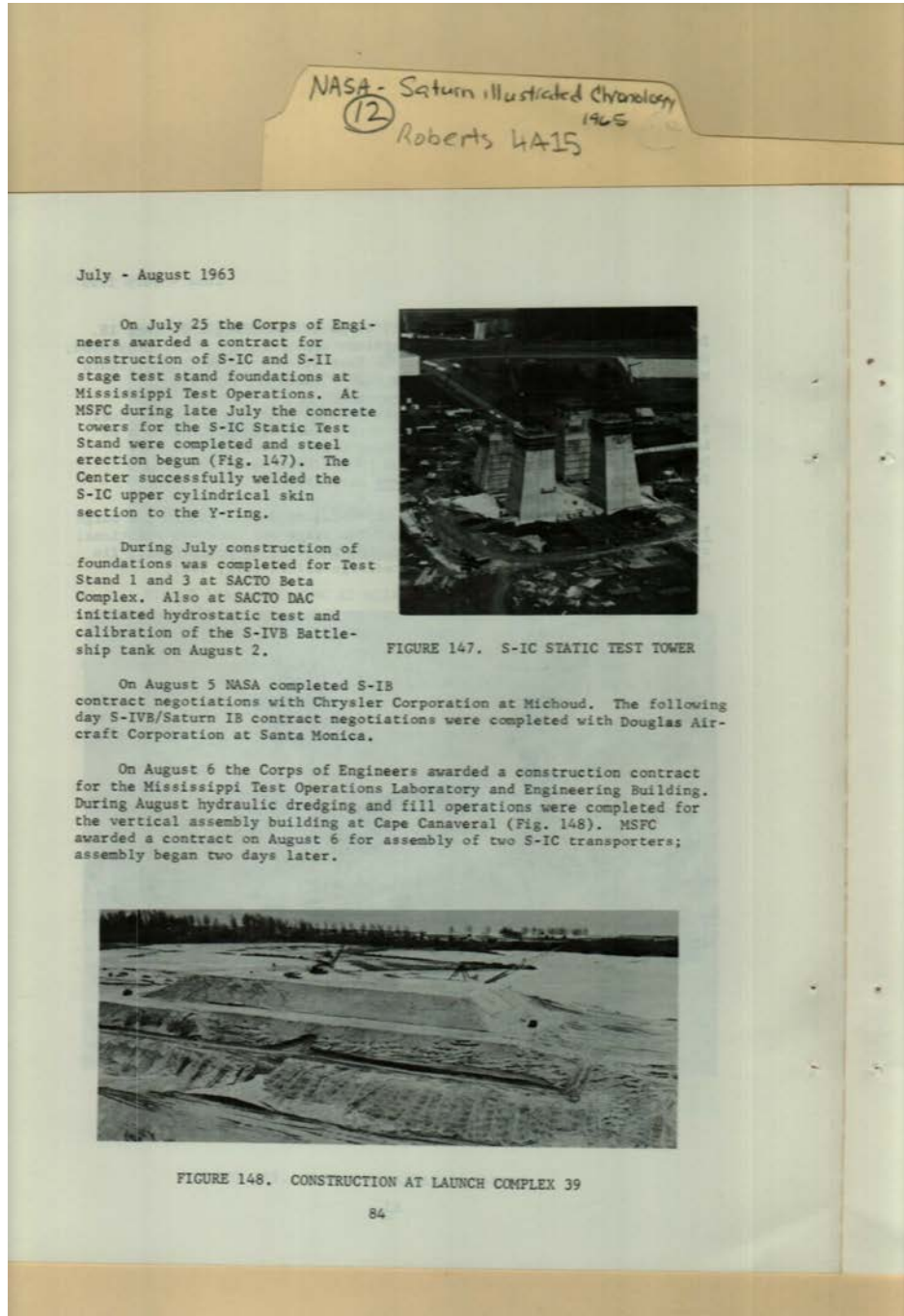
S-1B Stage

Types:

photograph

Dates:

May 15, 1965



Names:

Launch Complex 39
construction

S-IC Static Test
Tower

Places:

Cape Canaveral, FL

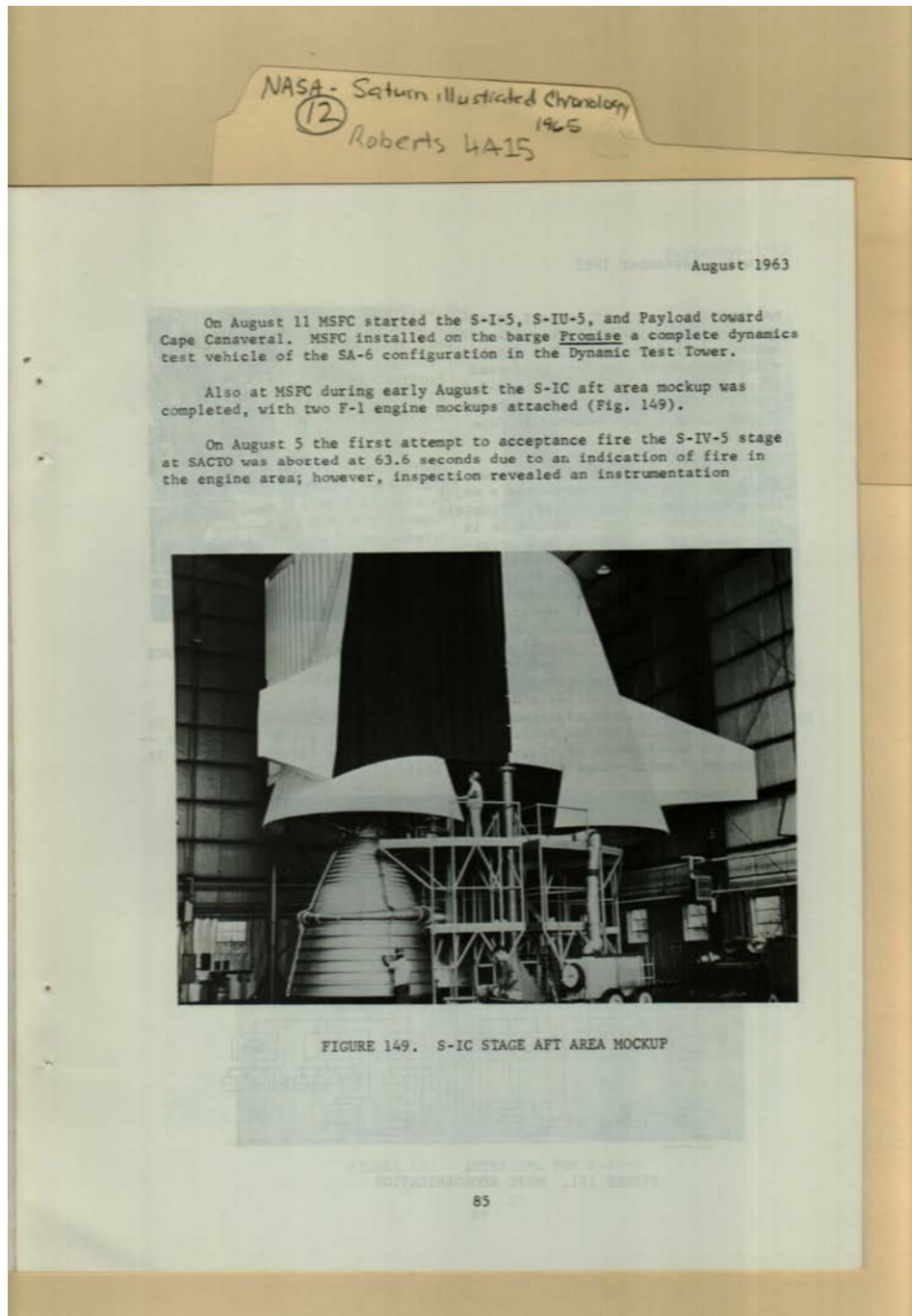
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

S-IC Stage Aft Area
Mockup

Places:

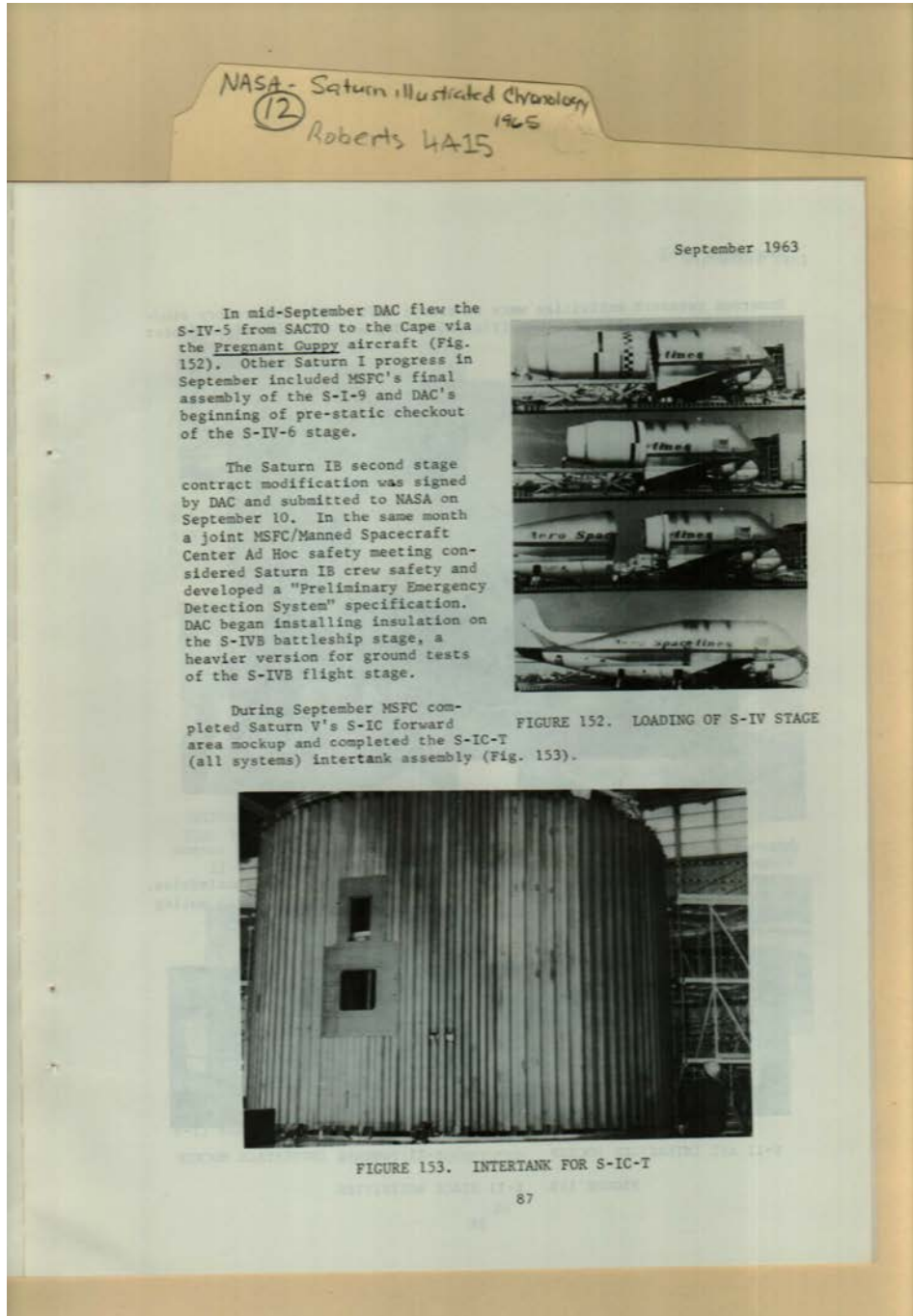
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Intertank For S-IC-T

Loading of S-IV Stage

Places:

Huntsville, AL

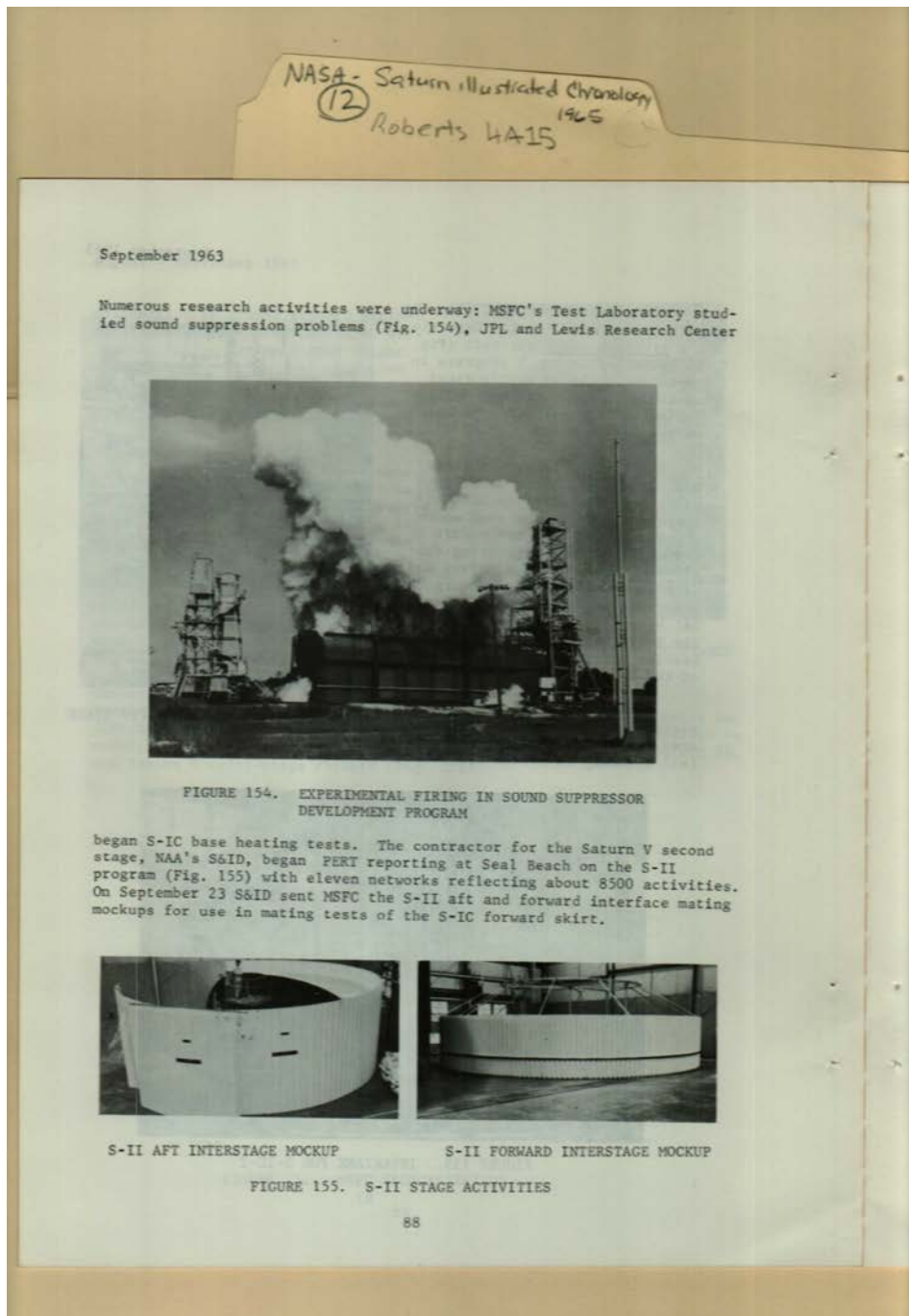
Sacramento, CA

Types:

photograph

Dates:

May 15, 1965



Names:

Aft Interstage
Mockup

Experimental Firing
in Sound

Suppression

S-II Interstage
Mockup

Places:

Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Bulkhead Fabrication Area
Bulkhead Fabrication Building

Explosive Forming Die
Gore Forming Facility

Skate Bulkhead Welders
Structural Test Tower

Places:

El Toro, CA

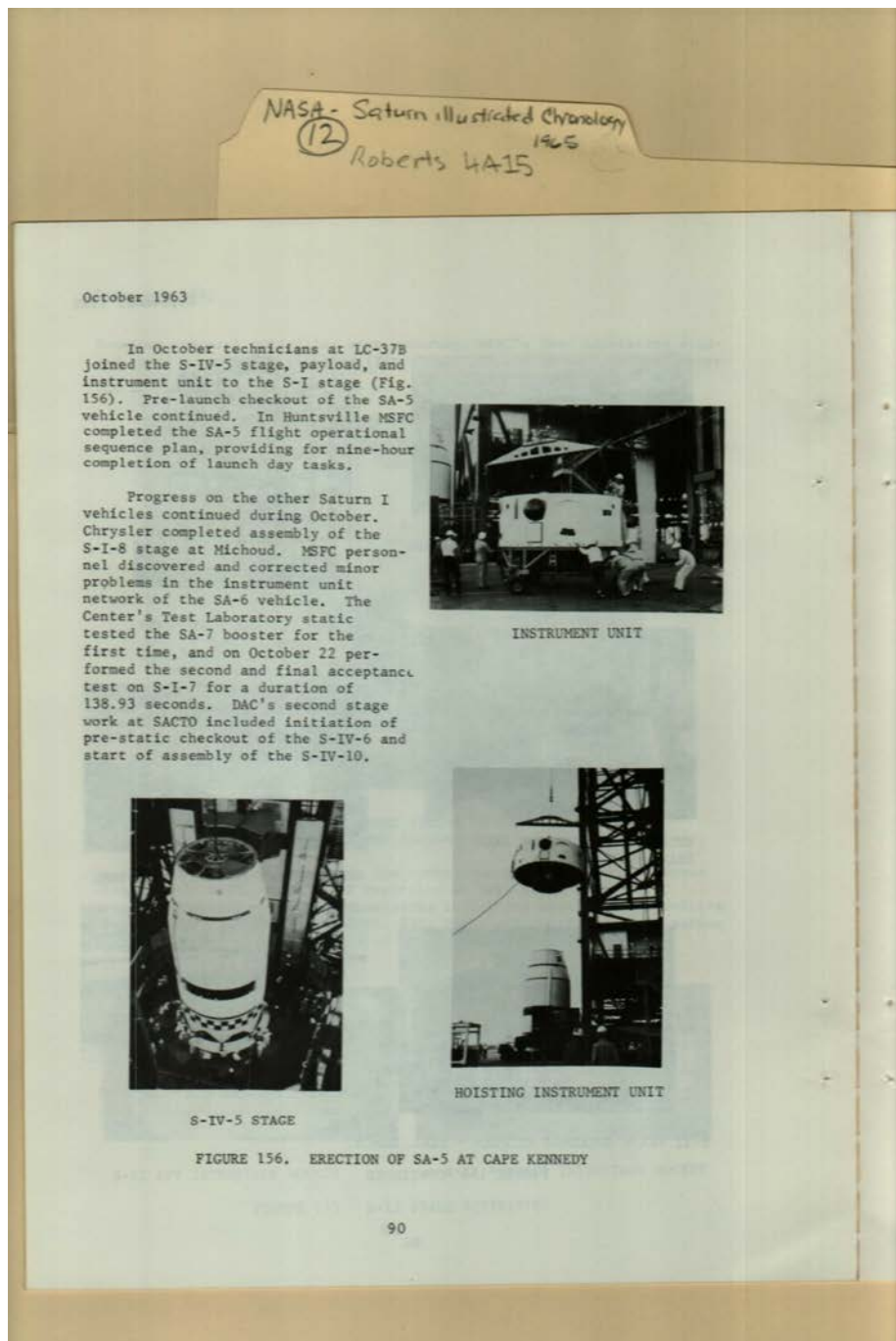
Seal Beach, CA

Types:

photograph

Dates:

May 15, 1965



Names:

Hoisting Instrument
Unit

Instrument Unit
S-IV-5 Stage

Places:

Cape Canaveral, FL

Types:

photograph

Dates:

May 15, 1965



Names:

Hoisting Payload
Payload

Payload Adapter

SA-5 at Launch
Complex 37B

Places:

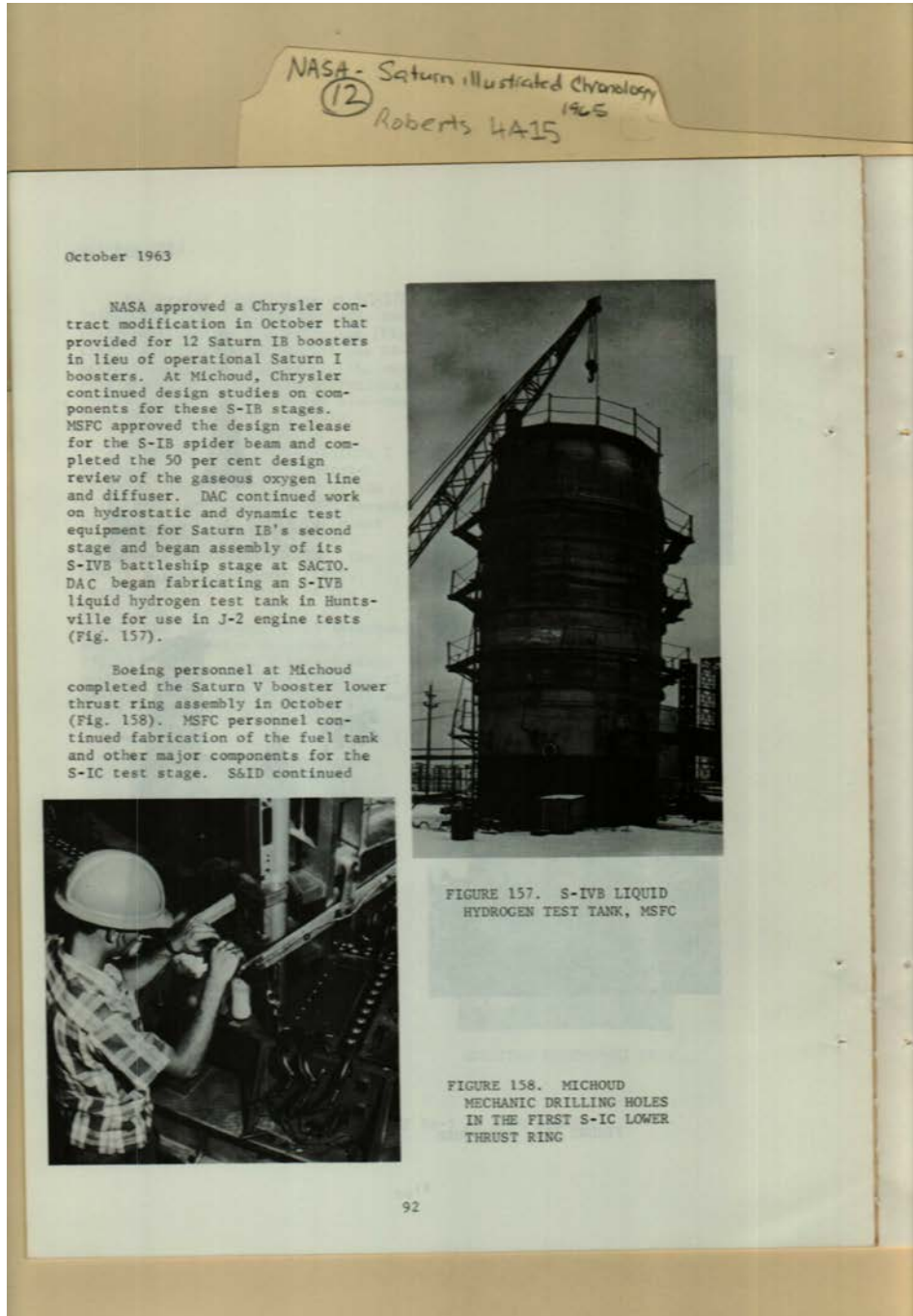
Cape Canaveral, FL

Types:

photograph

Dates:

May 15, 1965



Names:

First S-IC Lower Thrust Ring

S-IVB Liquid Hydrogen Test Tank

Places:

Huntsville, AL

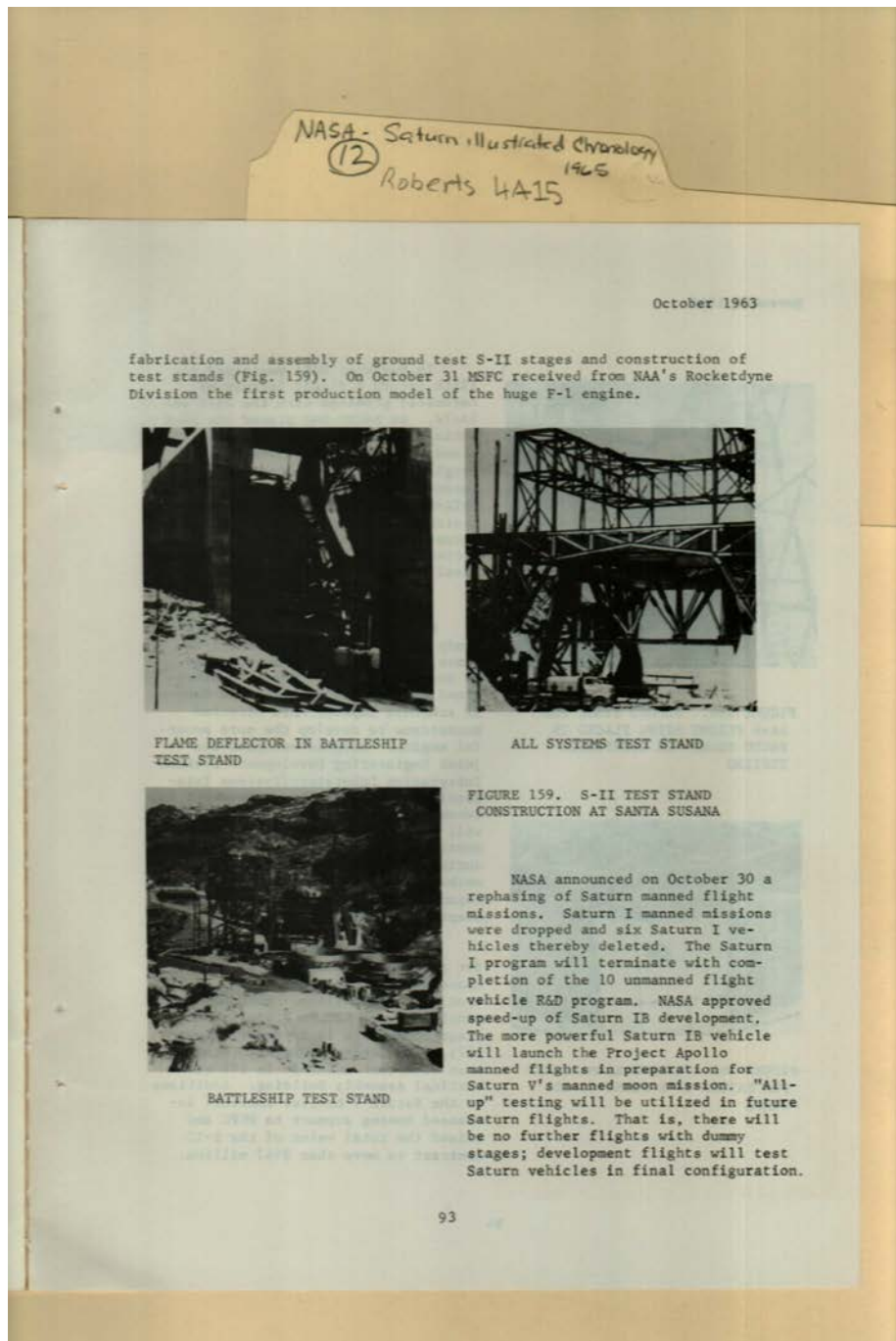
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

All Systems Test Stand

Flame Deflection in Battleship Test

Stand

S-II Test Stand Construction

Places:

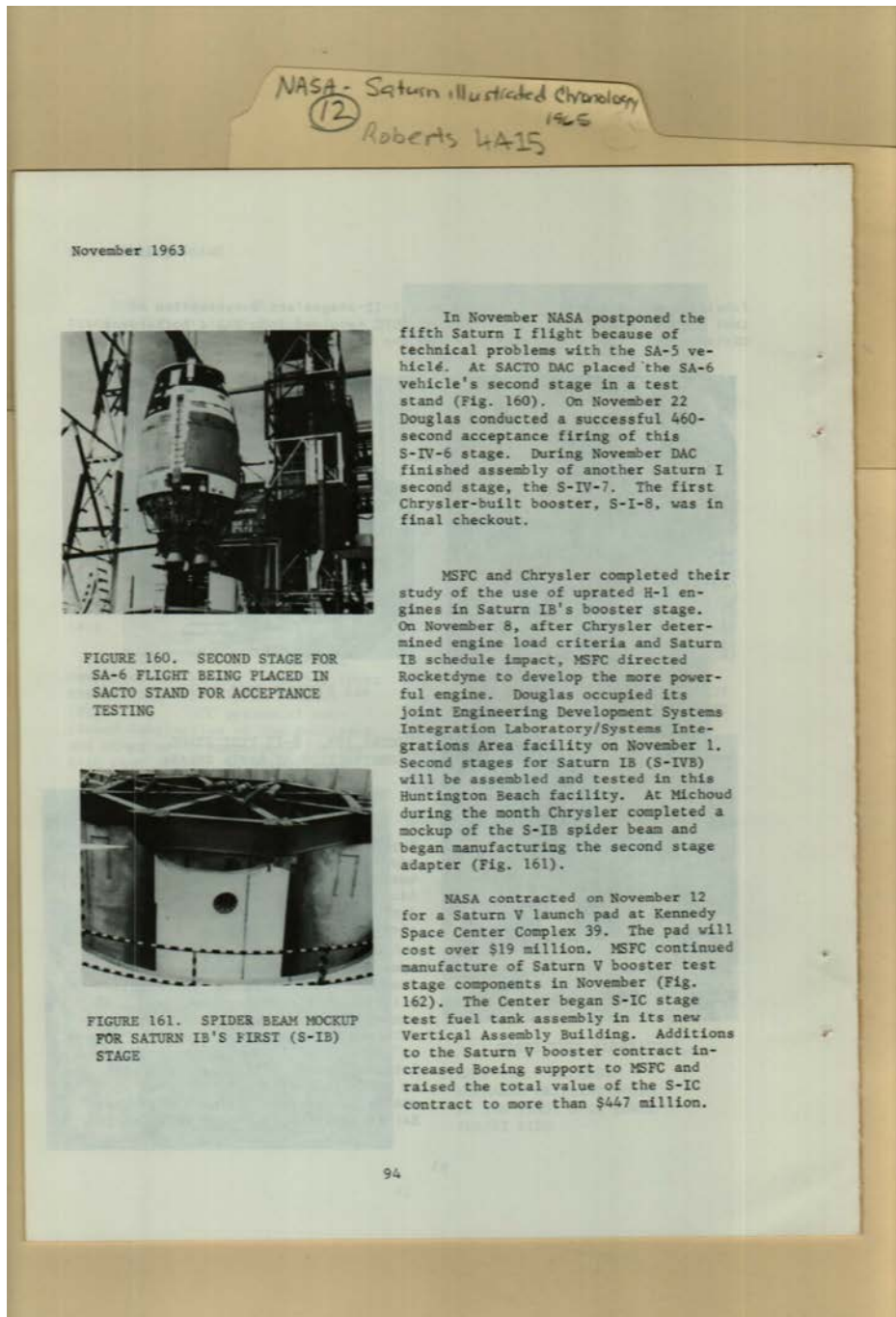
Santa Susana, Ca

Types:

photograph

Dates:

May 15, 1965



Names:

Second Stage SA-6

Spider Beam Mockup

Places:

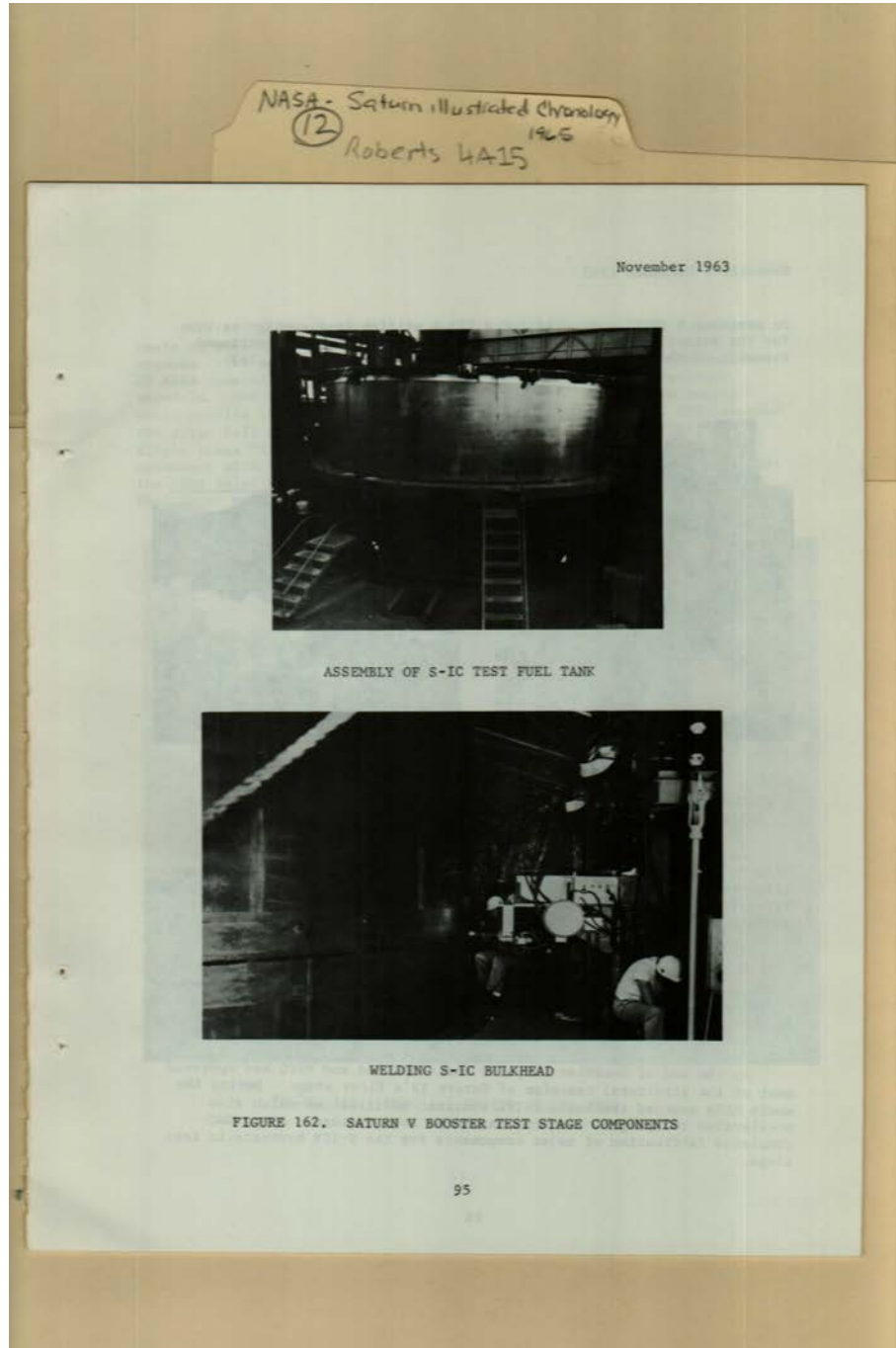
Santa Susana, Ca

Types:

photograph

Dates:

May 15, 1965



Names:

Assembly of S-IC
Test Fuel Tank

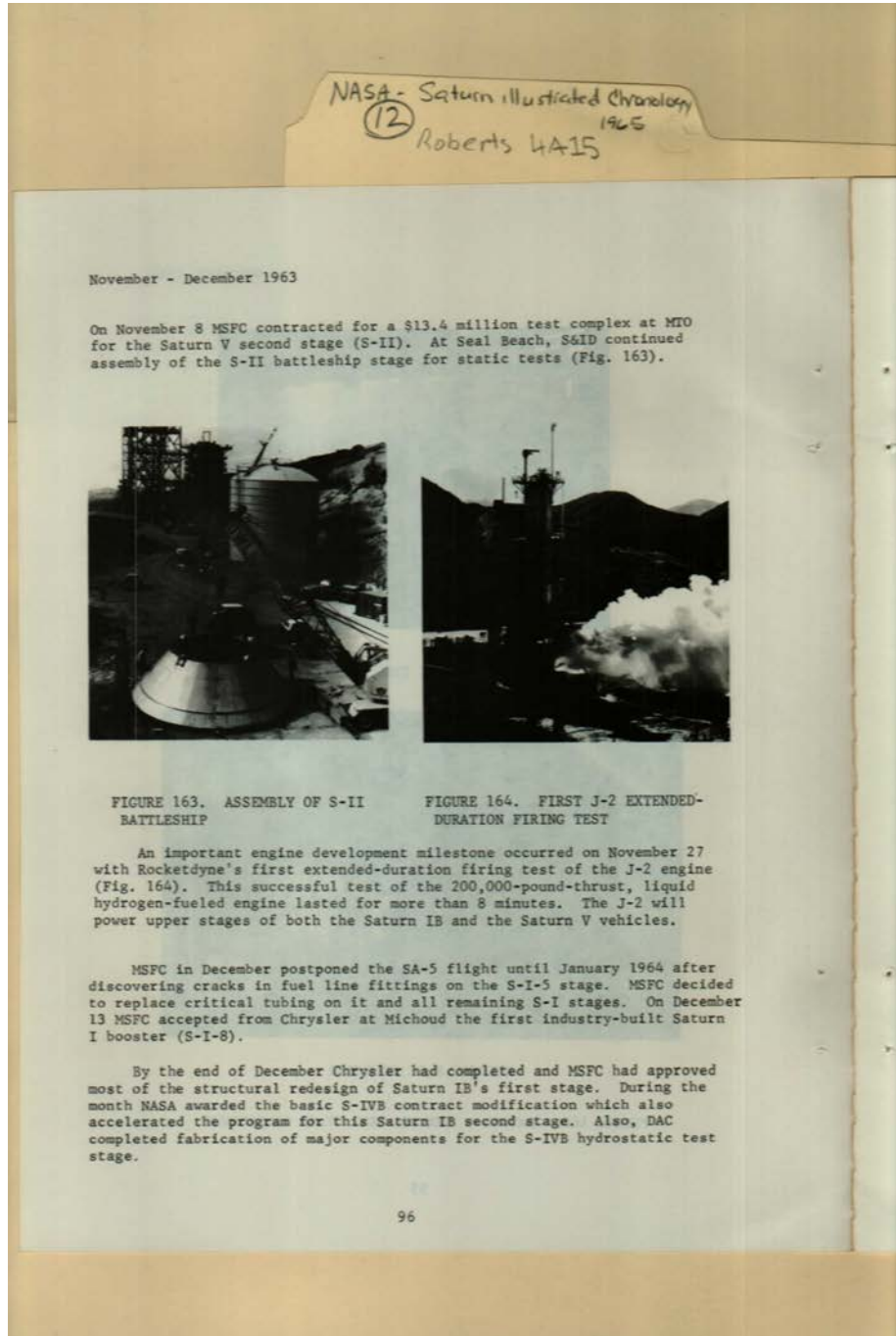
Welding S-IC
Bulkhead

Types:

photograph

Dates:

May 15, 1965



Names:

Assembly of S-II
Battleship

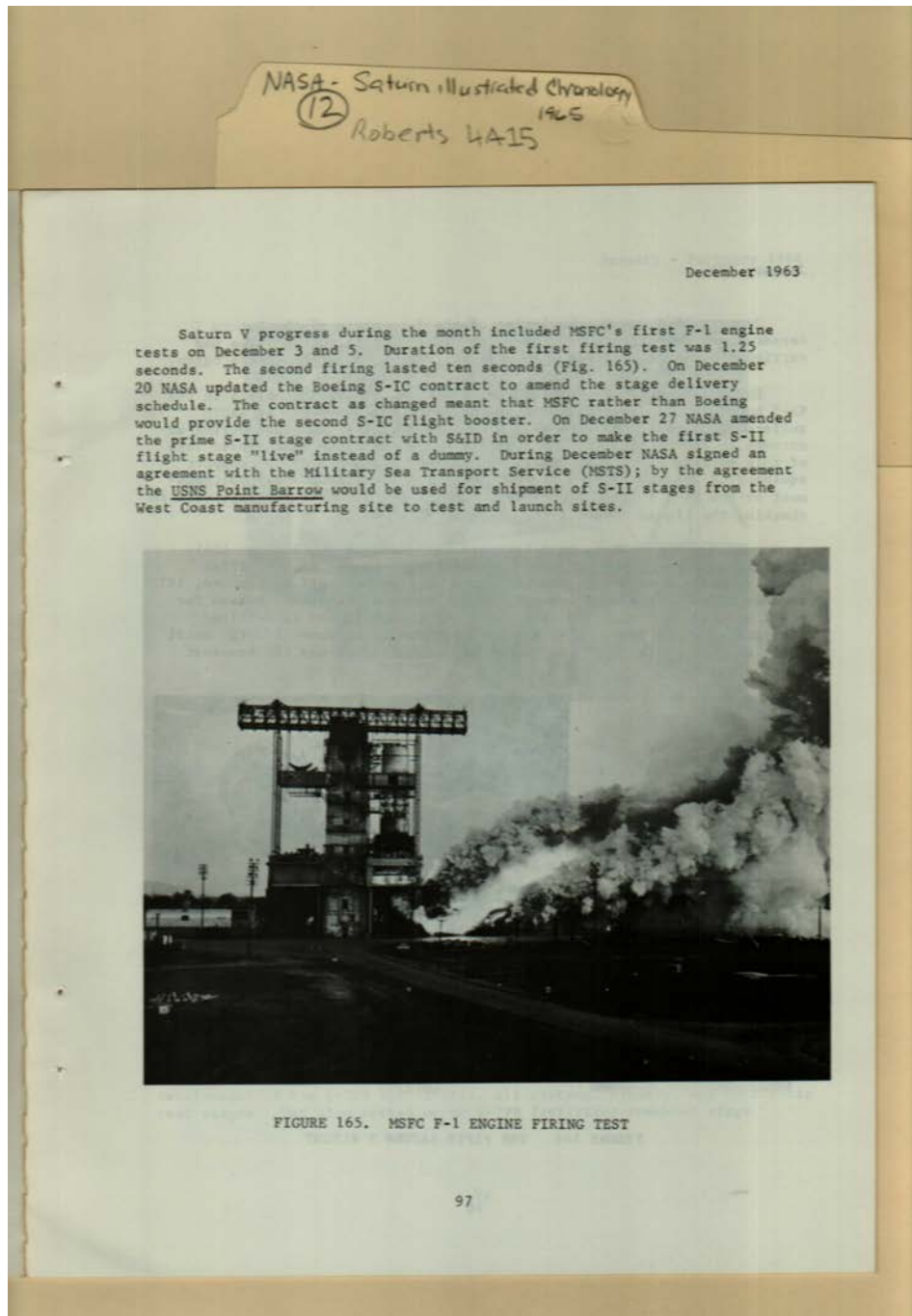
J-2 Firing Test

Types:

photograph

Dates:

May 15, 1965



Names:

F-1 Firing Test

Places:

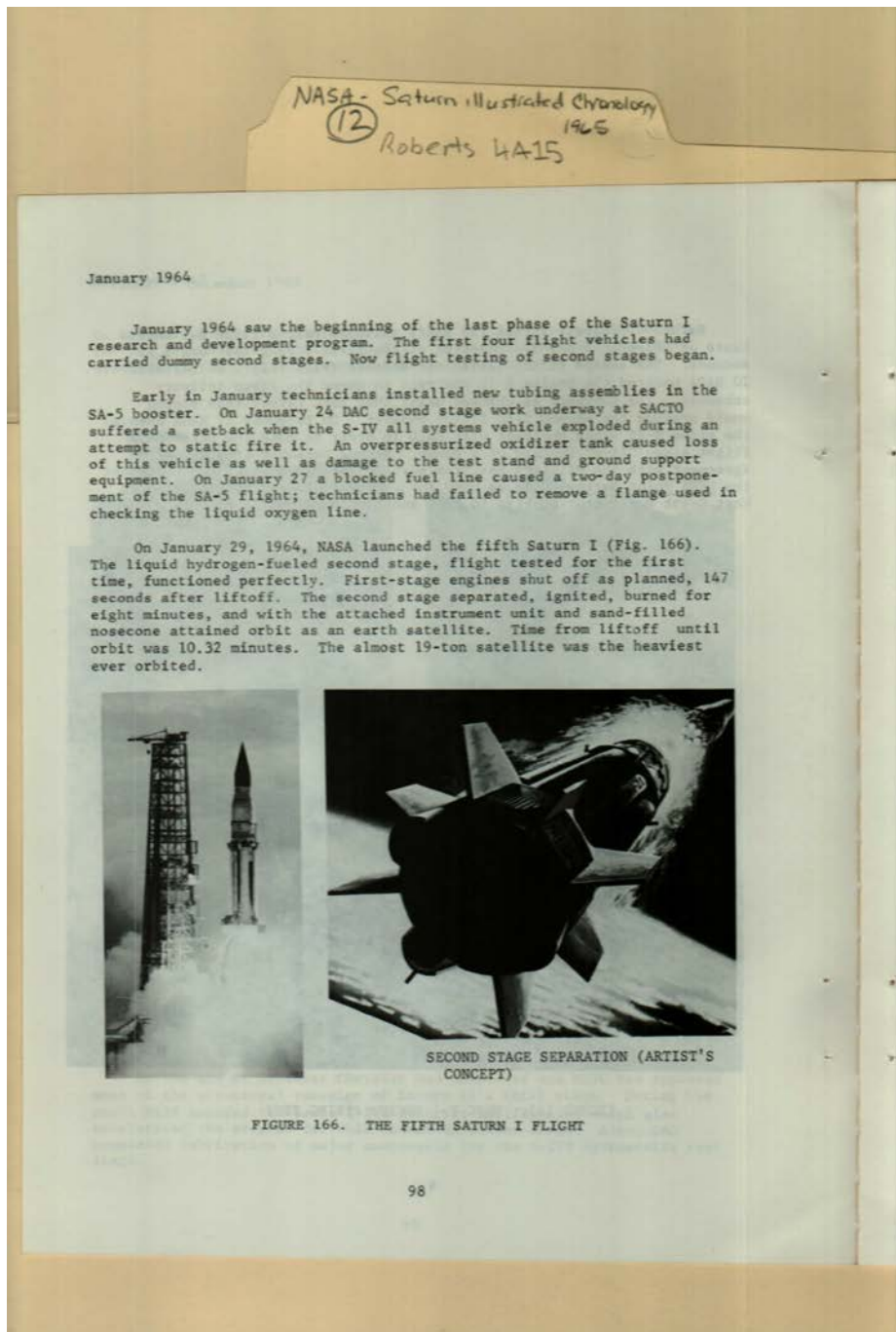
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

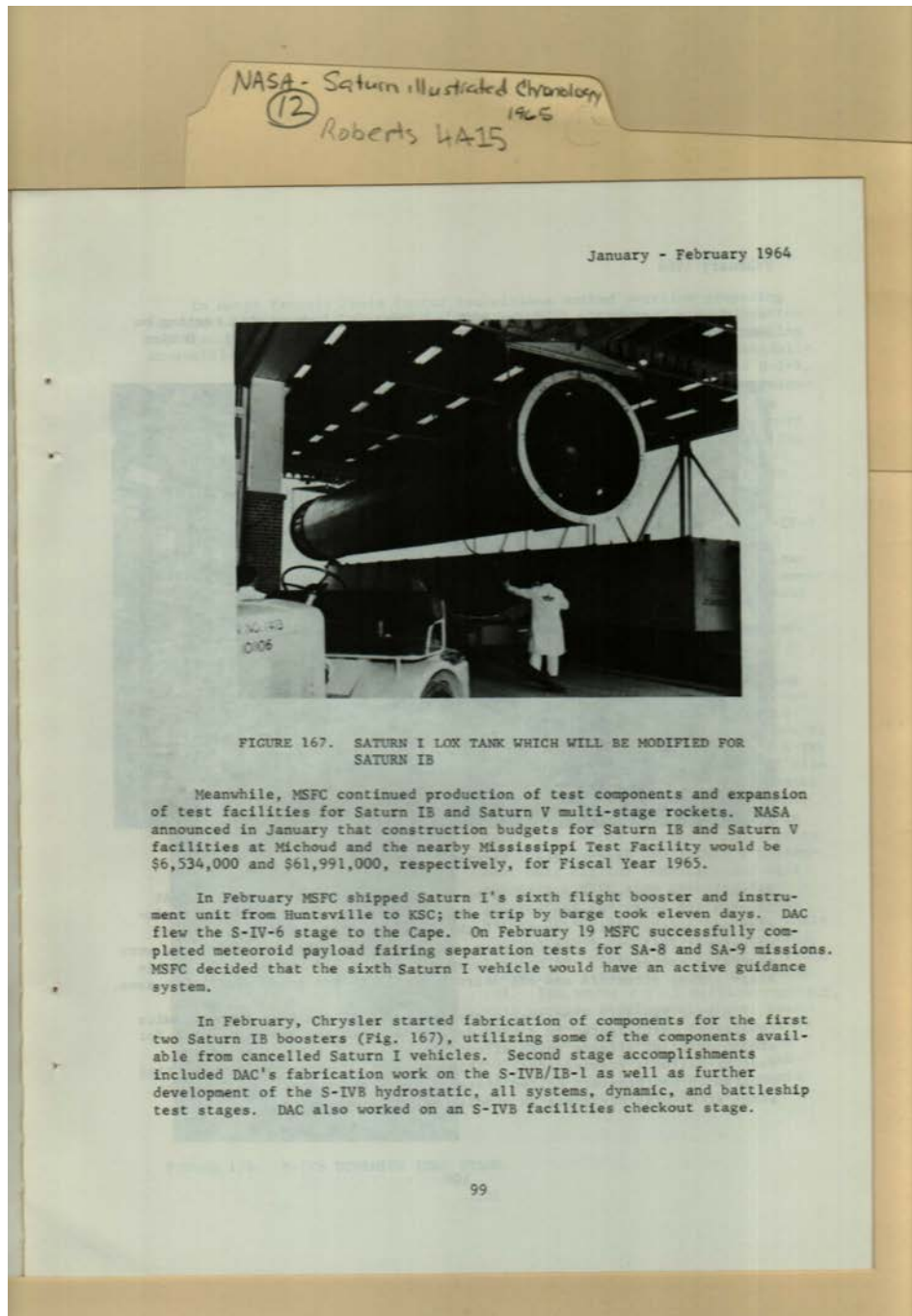
The Fifth Saturn I
Flight

Types:

photograph

Dates:

May 15, 1965



Names:

MSFC Saturn IB and
Saturn 5

Saturn I LOX Tank

Places:

Huntsville, AL

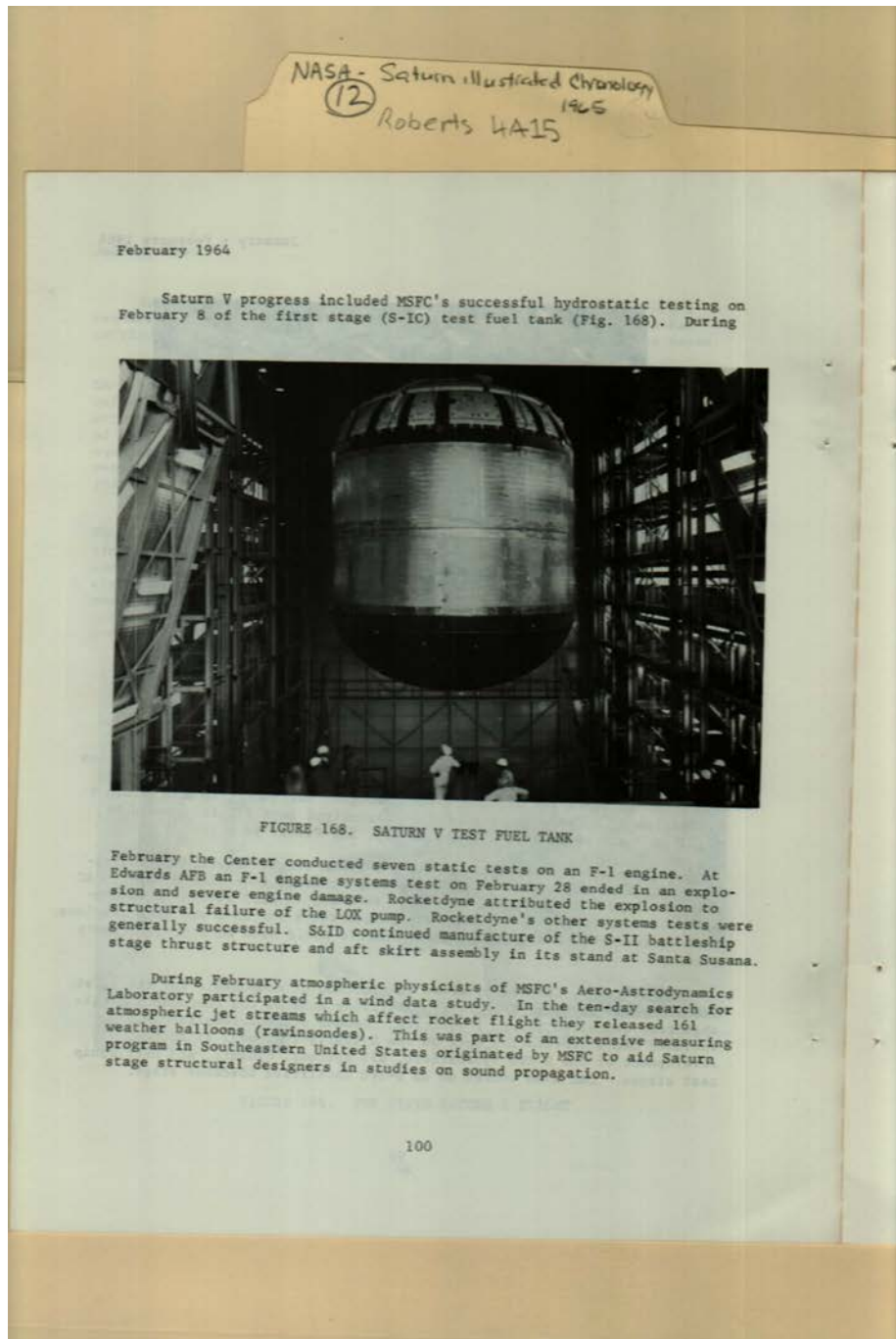
Types:

booklet

photograph

Dates:

May 15, 1965



Names:

Saturn V Test Fuel
Tank

Places:

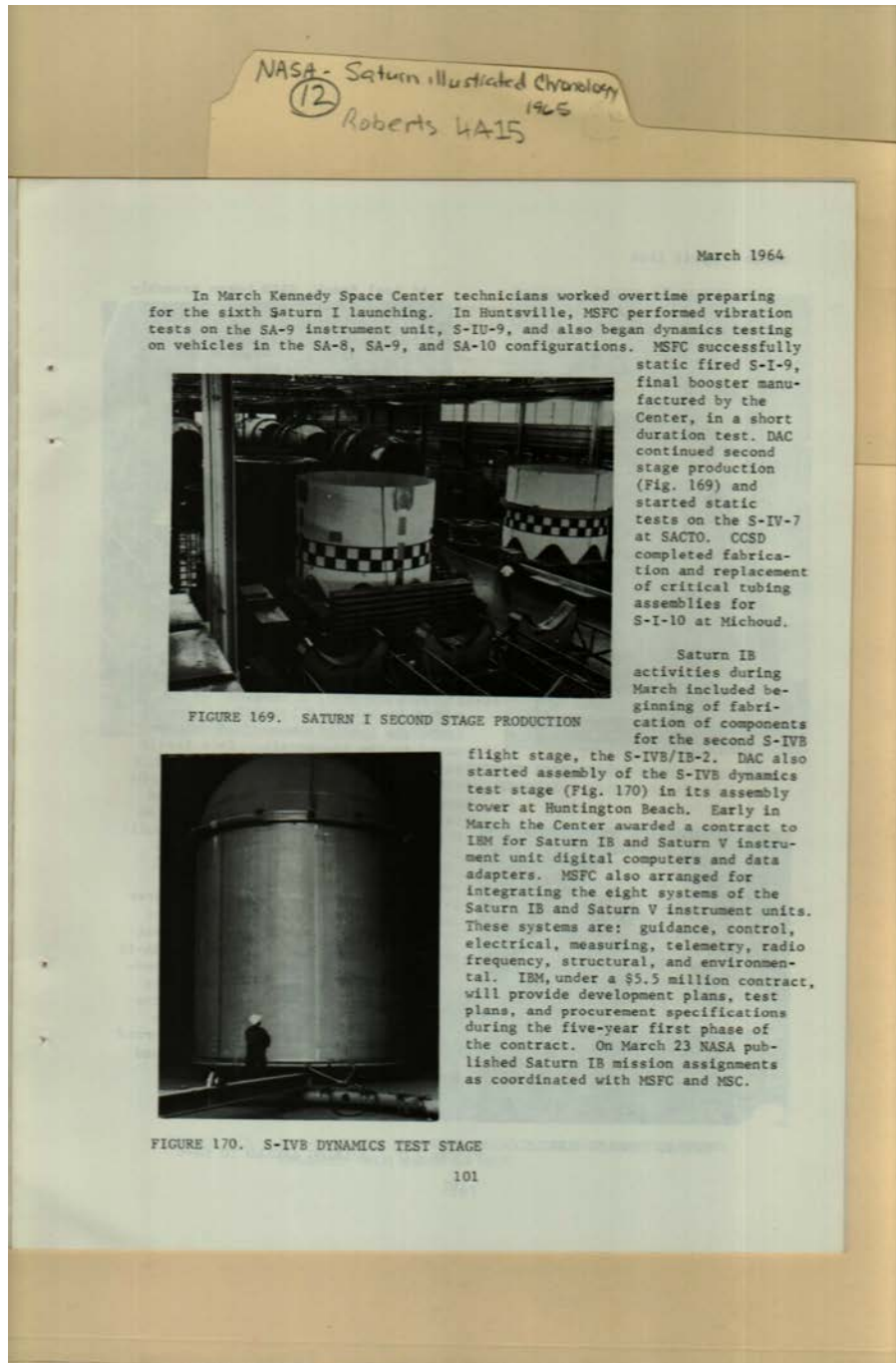
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

S-IVB Dynamics Test
Stage

Saturn I Second Stage
Production

Types:

photograph

Dates:

May 15, 1965



Names:

Mating Command
Module

Saturn V Booster
Static Test Stand

Places:

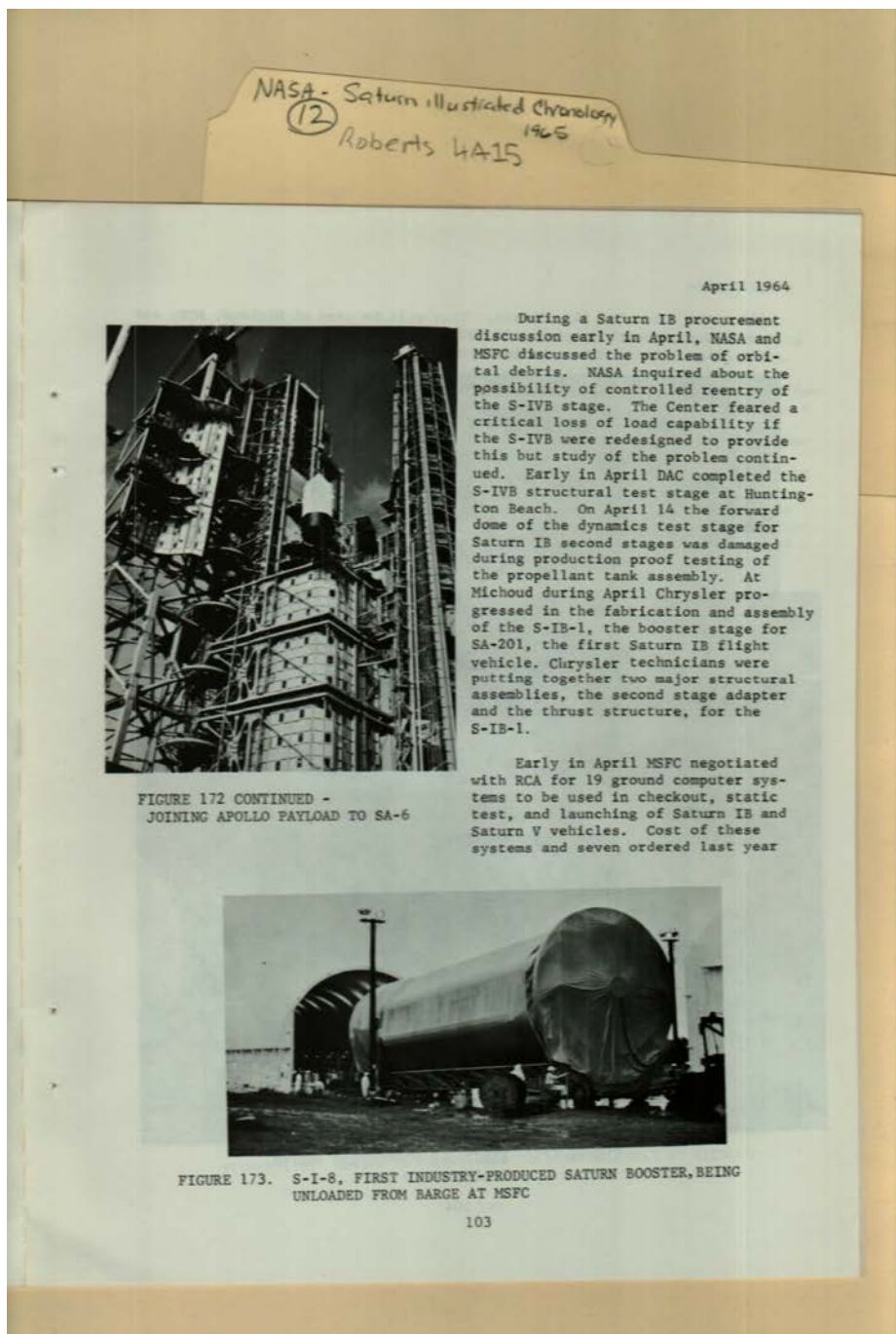
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Joining Apollo
Payload to SA-6

S-I-8 Saturn Booster

Places:

Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

J-2 Engine

Mockup of Instrument Unit for

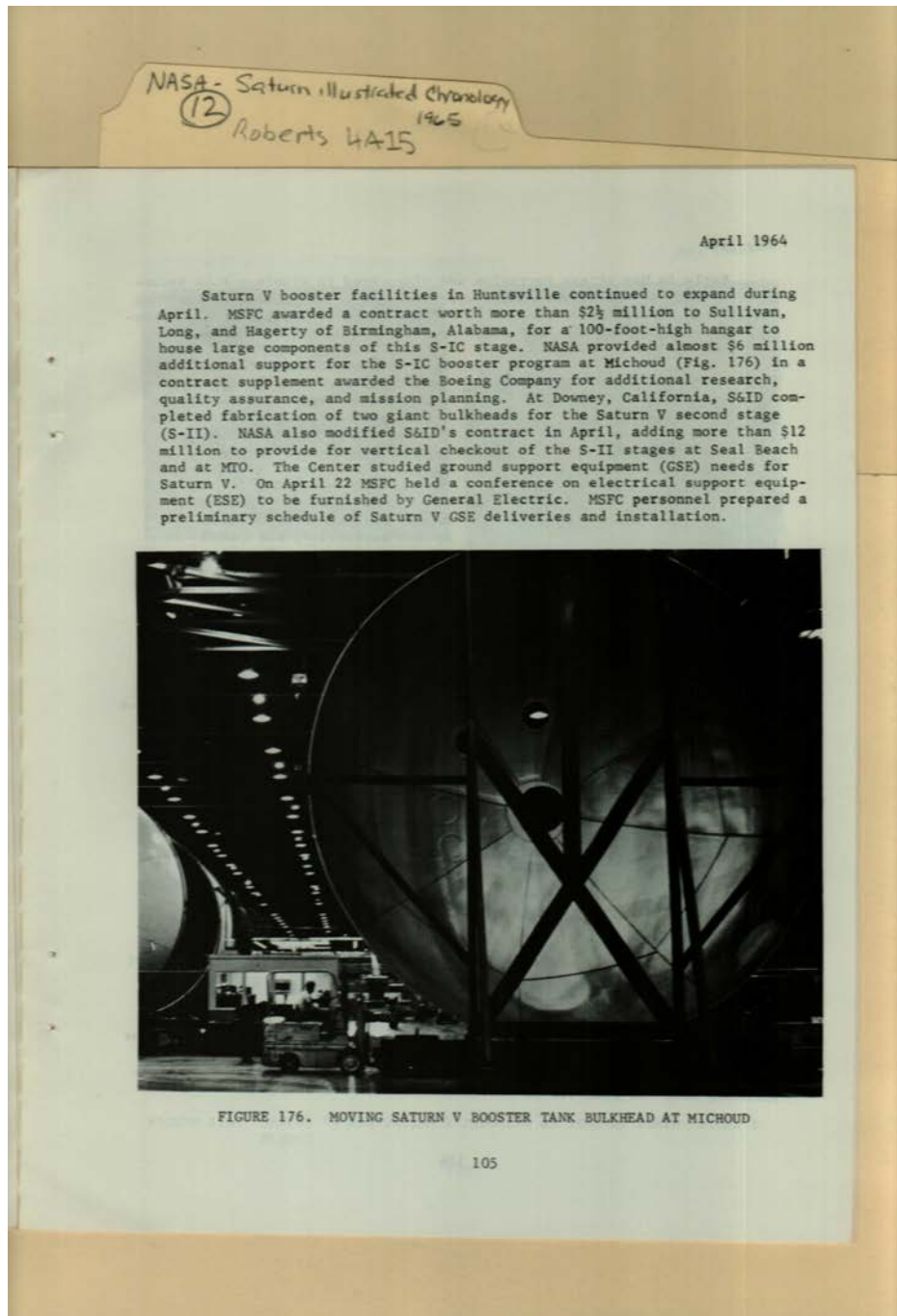
Saturn IB and Saturn V

Types:

photograph

Dates:

May 15, 1965



Names:

Moving Saturn V
Booster Tank

Places:

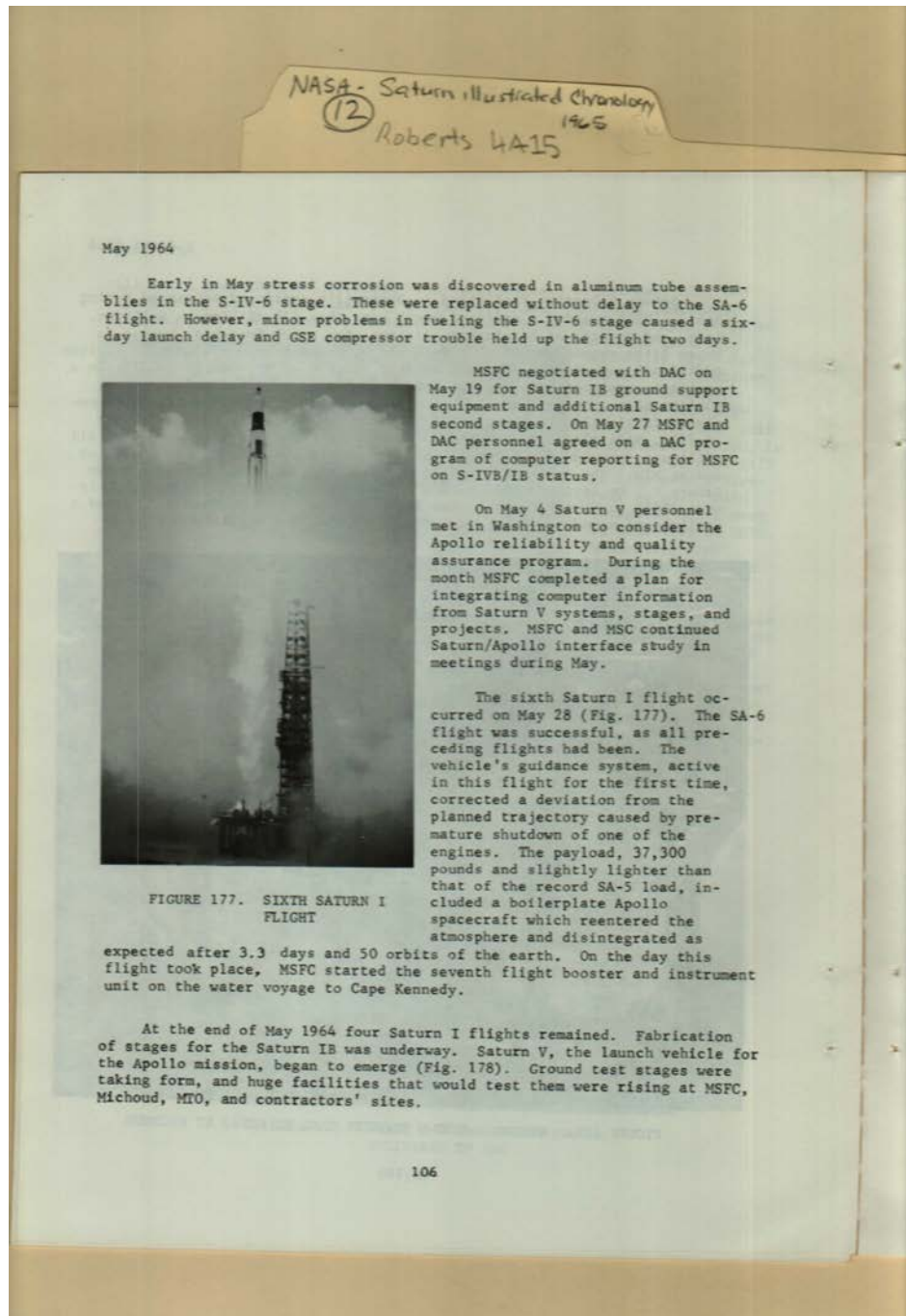
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

Sixth Saturn I Flight

Places:

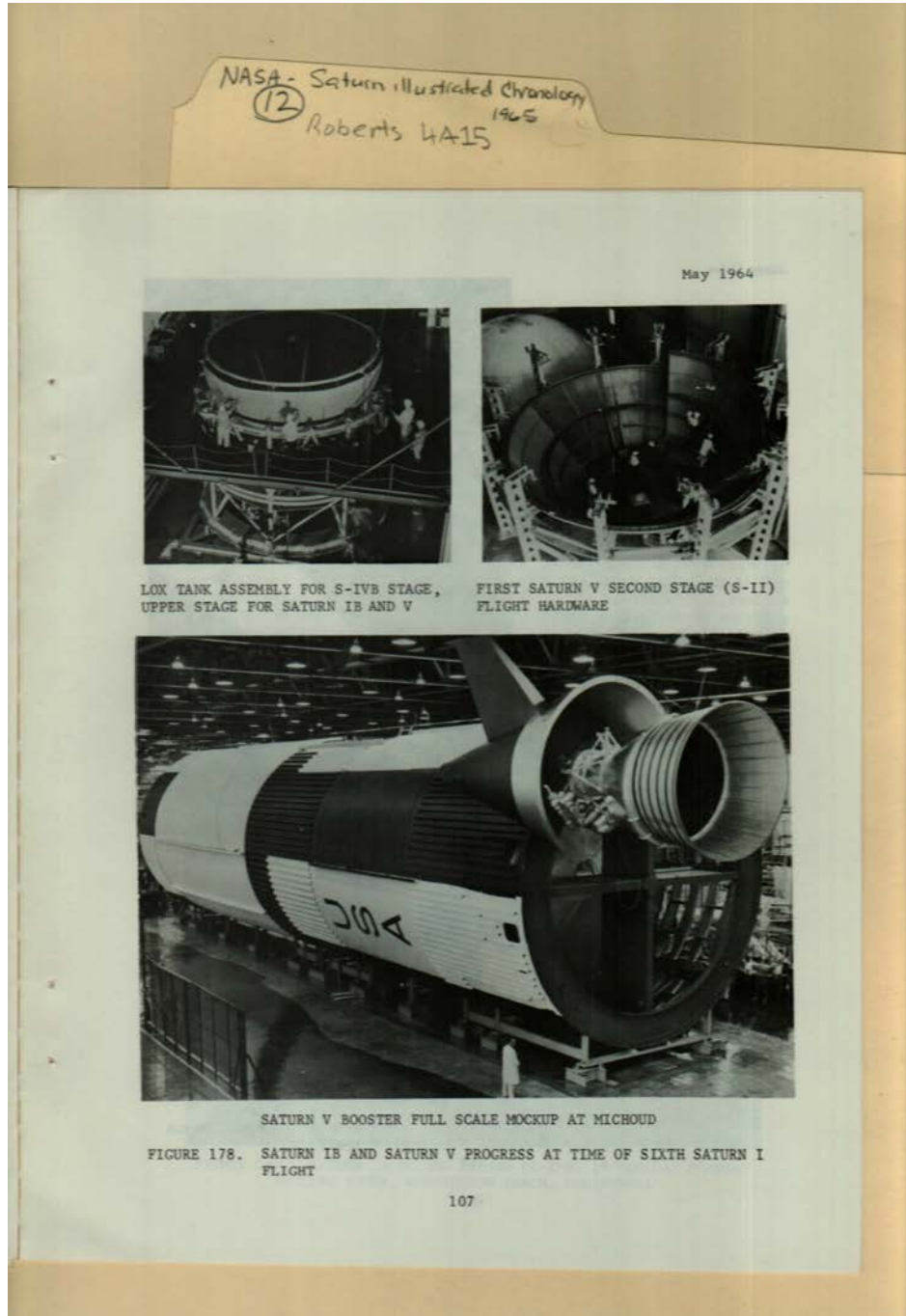
Cape Canaveral, FL

Types:

photograph

Dates:

May 15, 1965



Names:

LOX Tank Assembly

Saturn V Booster Full
Scale Mockup

Saturn V Second
Stage

Places:

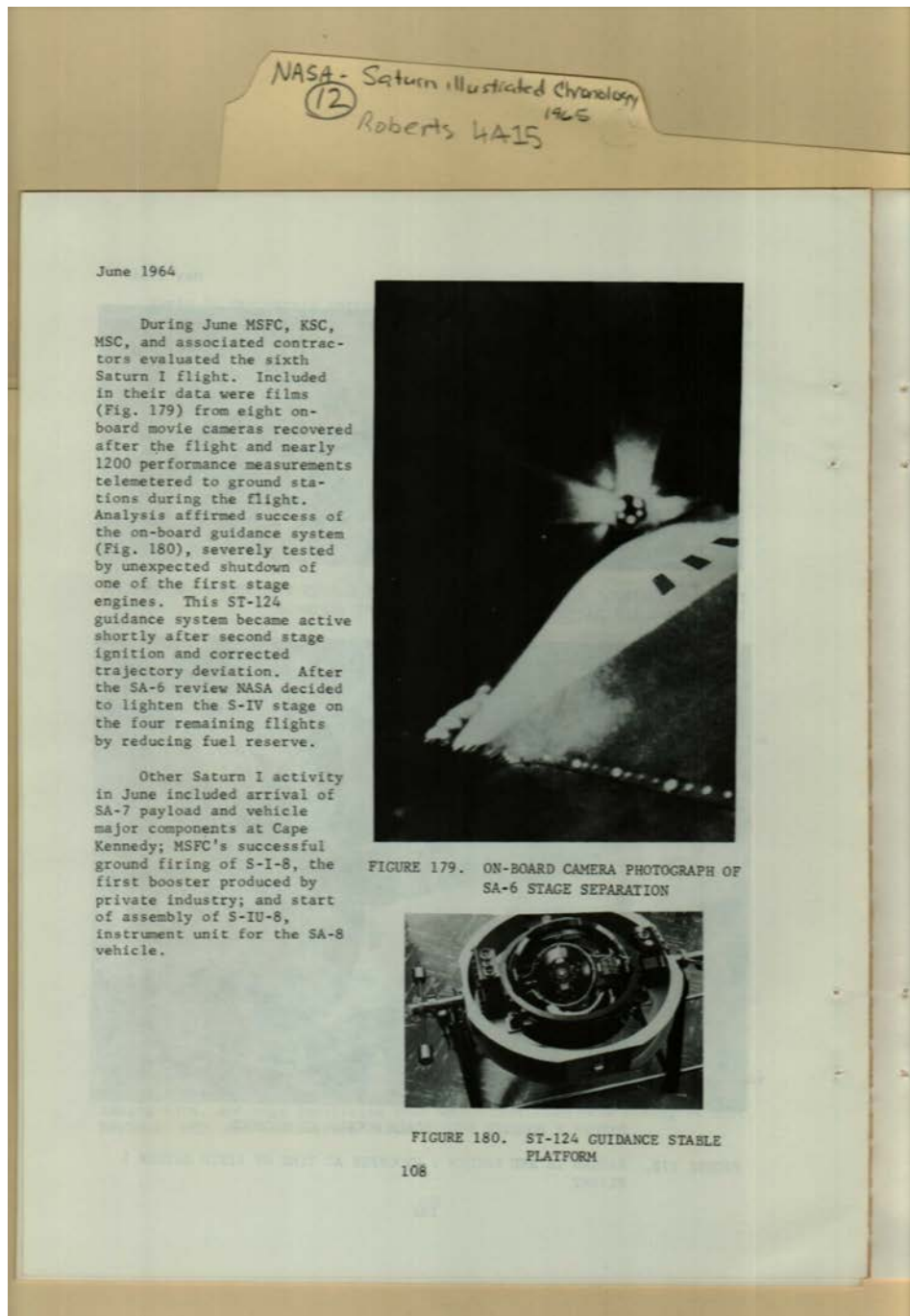
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

SA-6 Stage Separation

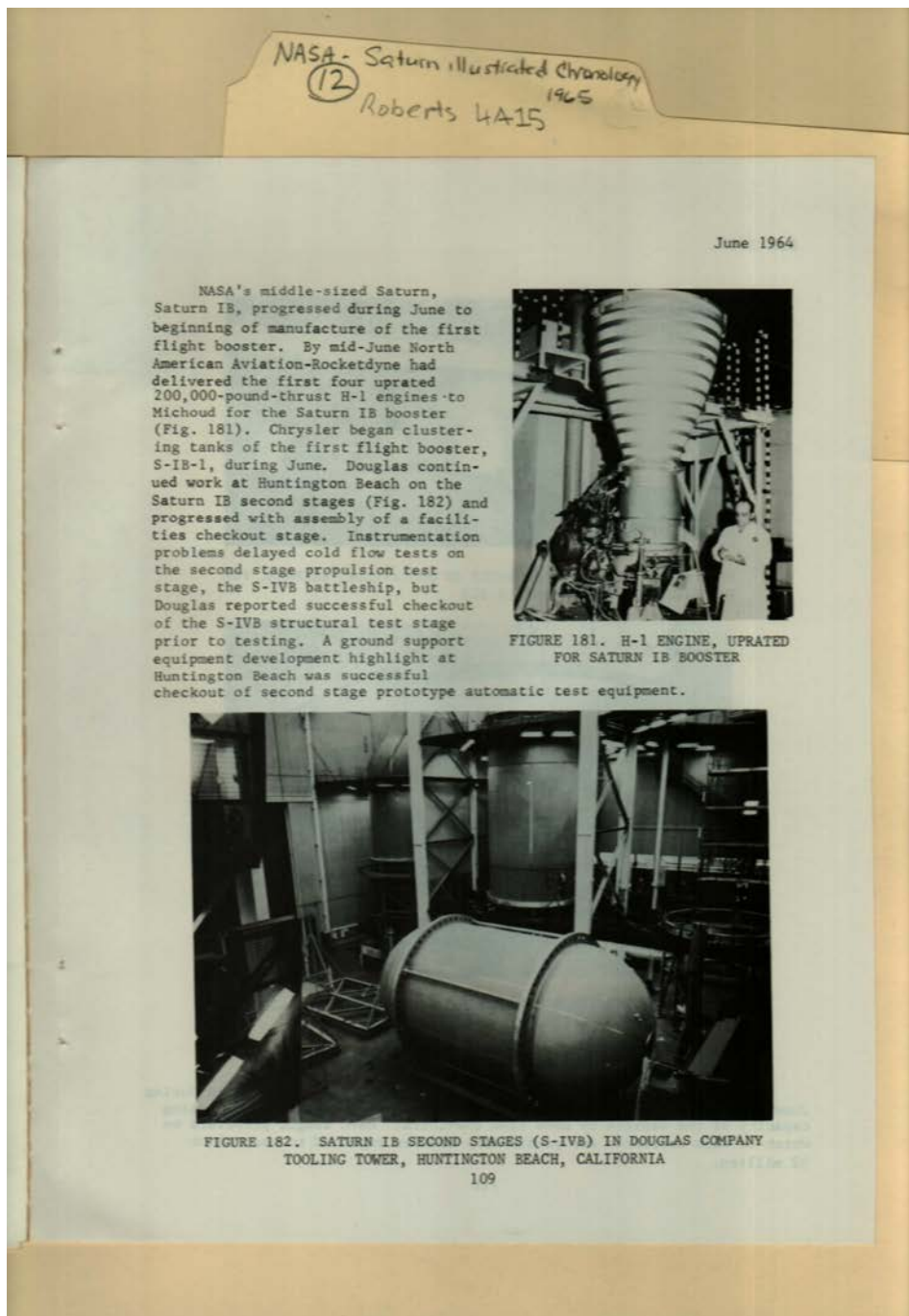
ST-124 Guidance Stable Platform

Types:

photograph

Dates:

May 15, 1965



Names:

H-1 Engine

Saturn IB Second
Stages

Places:

Huntington Beach,
CA

Types:

photograph

Dates:

May 15, 1965



Names:

Fuel and LOX Tanks
for Saturn V First

Stage

Structural Test Stage
Thrust Unit for

Saturn V Second
Stage

Places:

Huntsville, AL

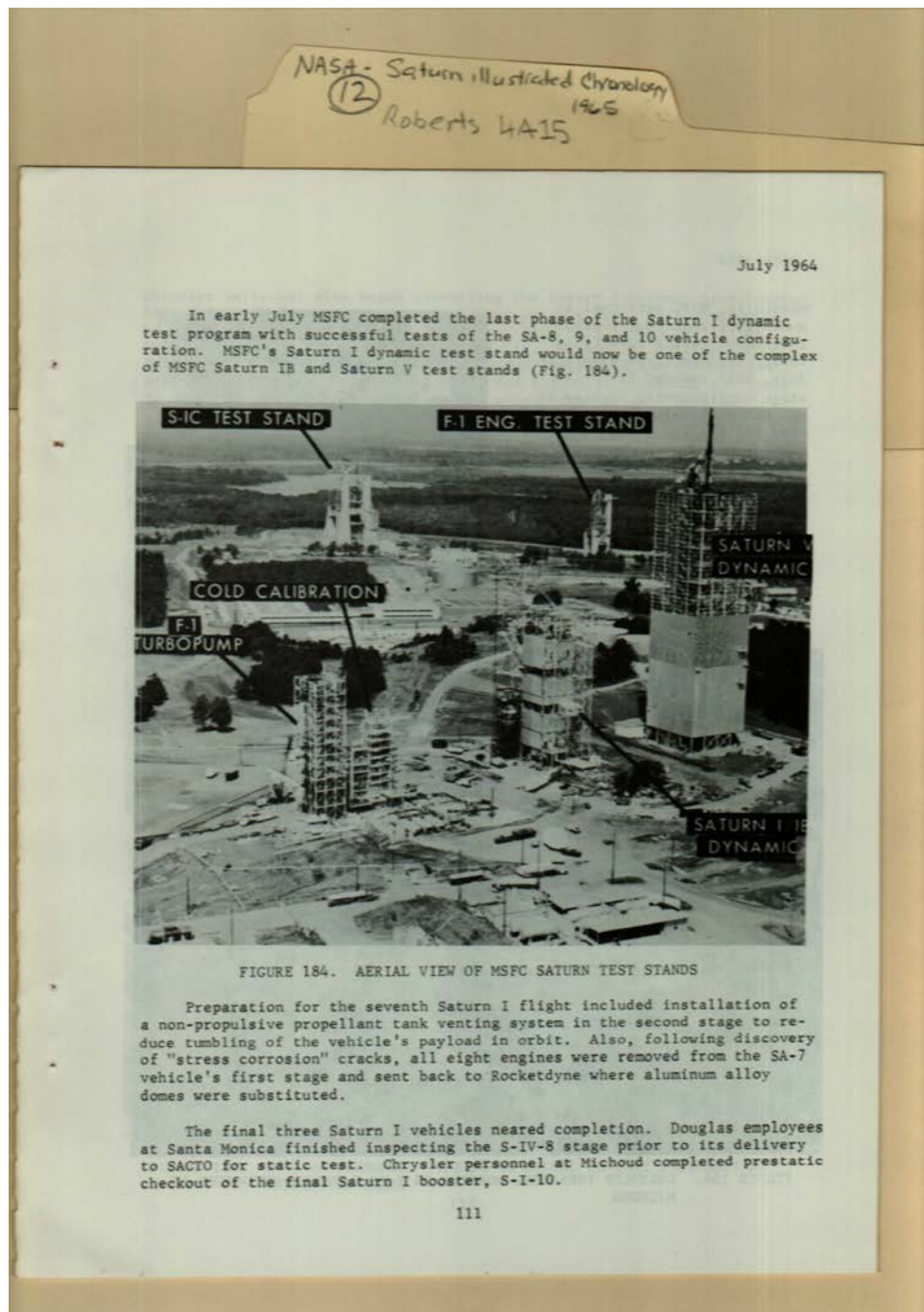
Seal Beach, CA

Types:

photograph

Dates:

May 15, 1965



Names:

Saturn Test Stands

Places:

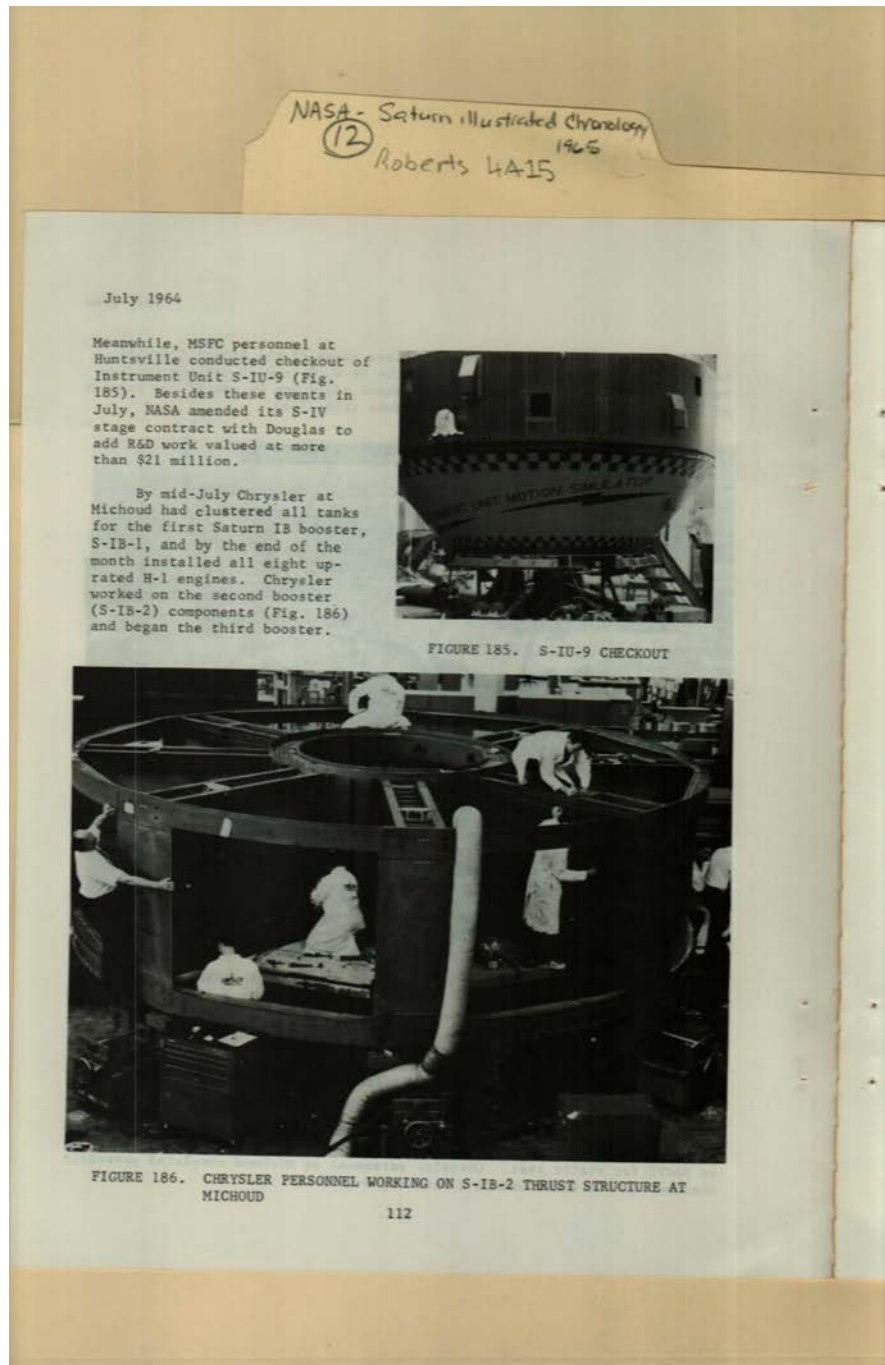
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

S-IB-2 Thrust
Structure, Chrysler

Personnel
S-IU-9 Checkout

Places:

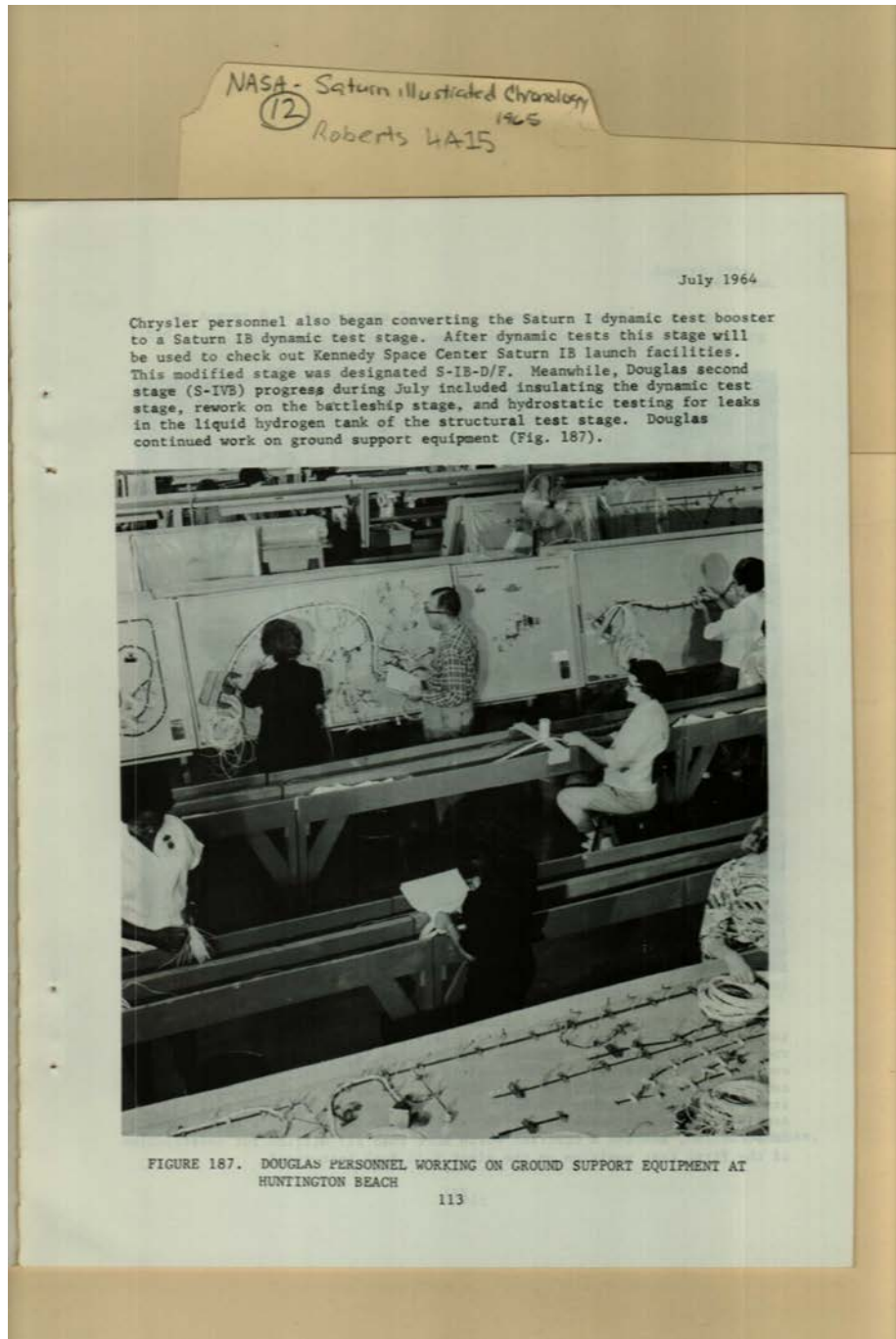
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

Douglas Personnel,
Ground Support

Equipment

Places:

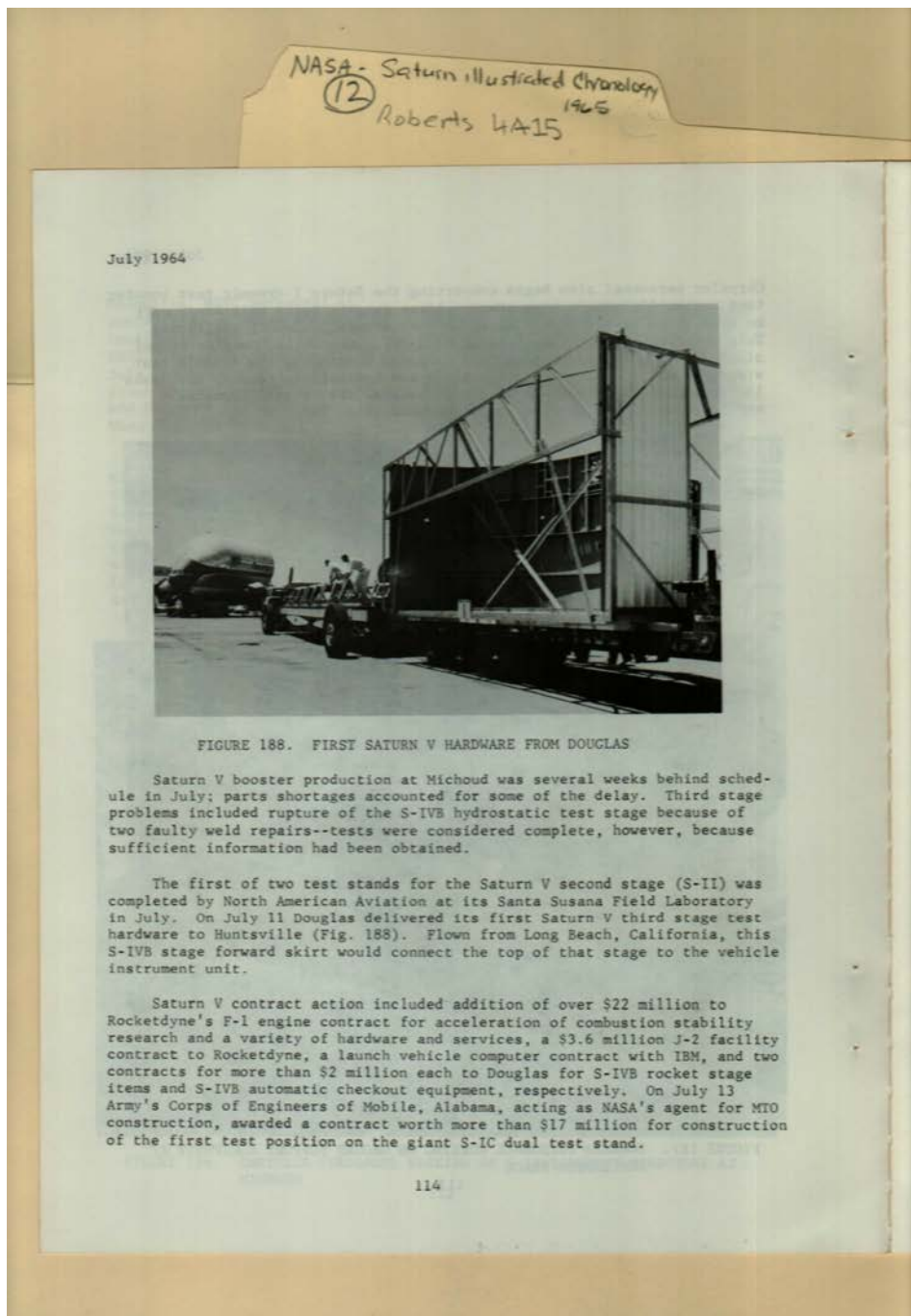
Huntington Beach,
CA

Types:

photograph

Dates:

May 15, 1965



Names:

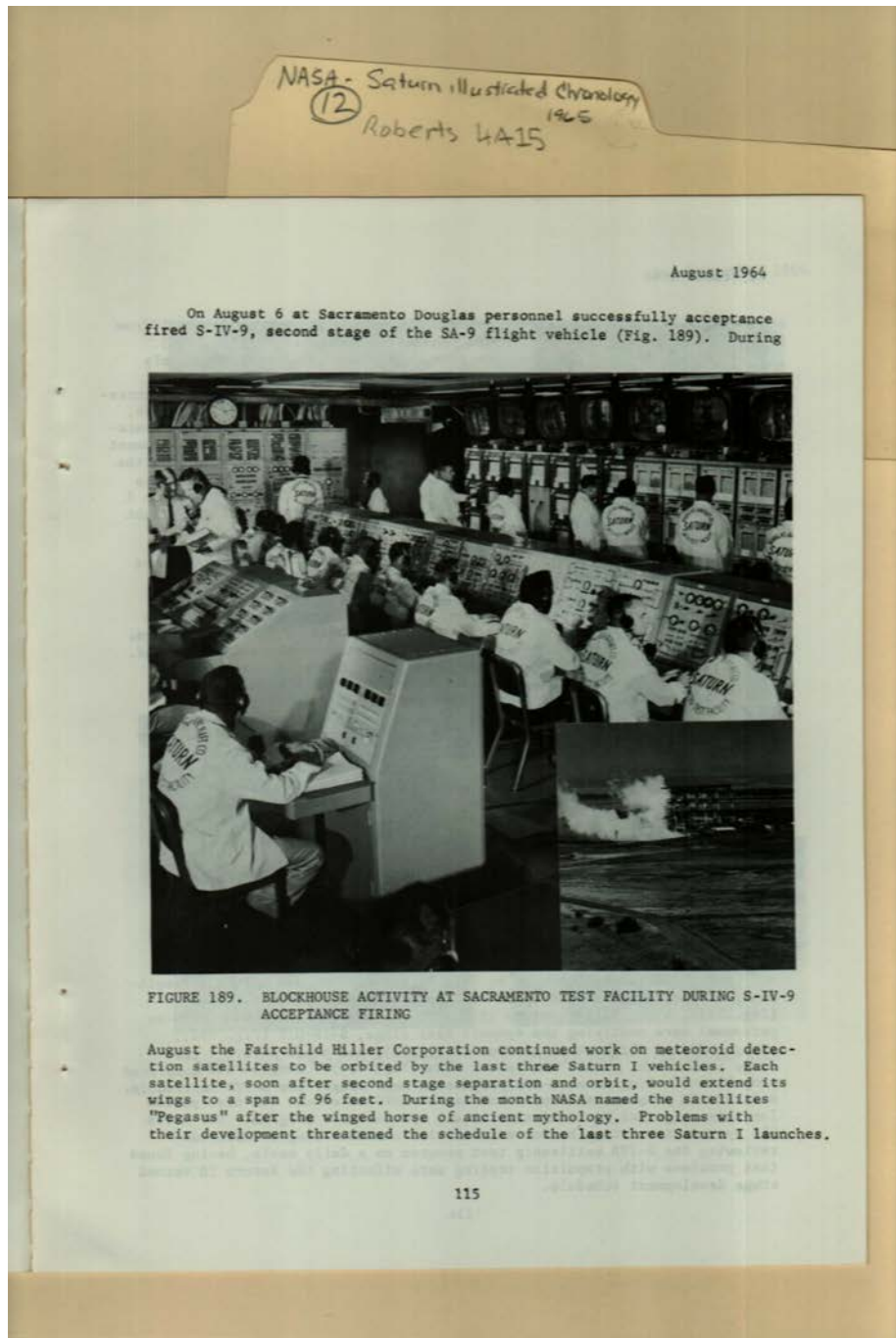
First Saturn V
Hardware

Types:

photograph

Dates:

May 15, 1965



Names:

Blockhouse Activity
S-IV-9

Places:

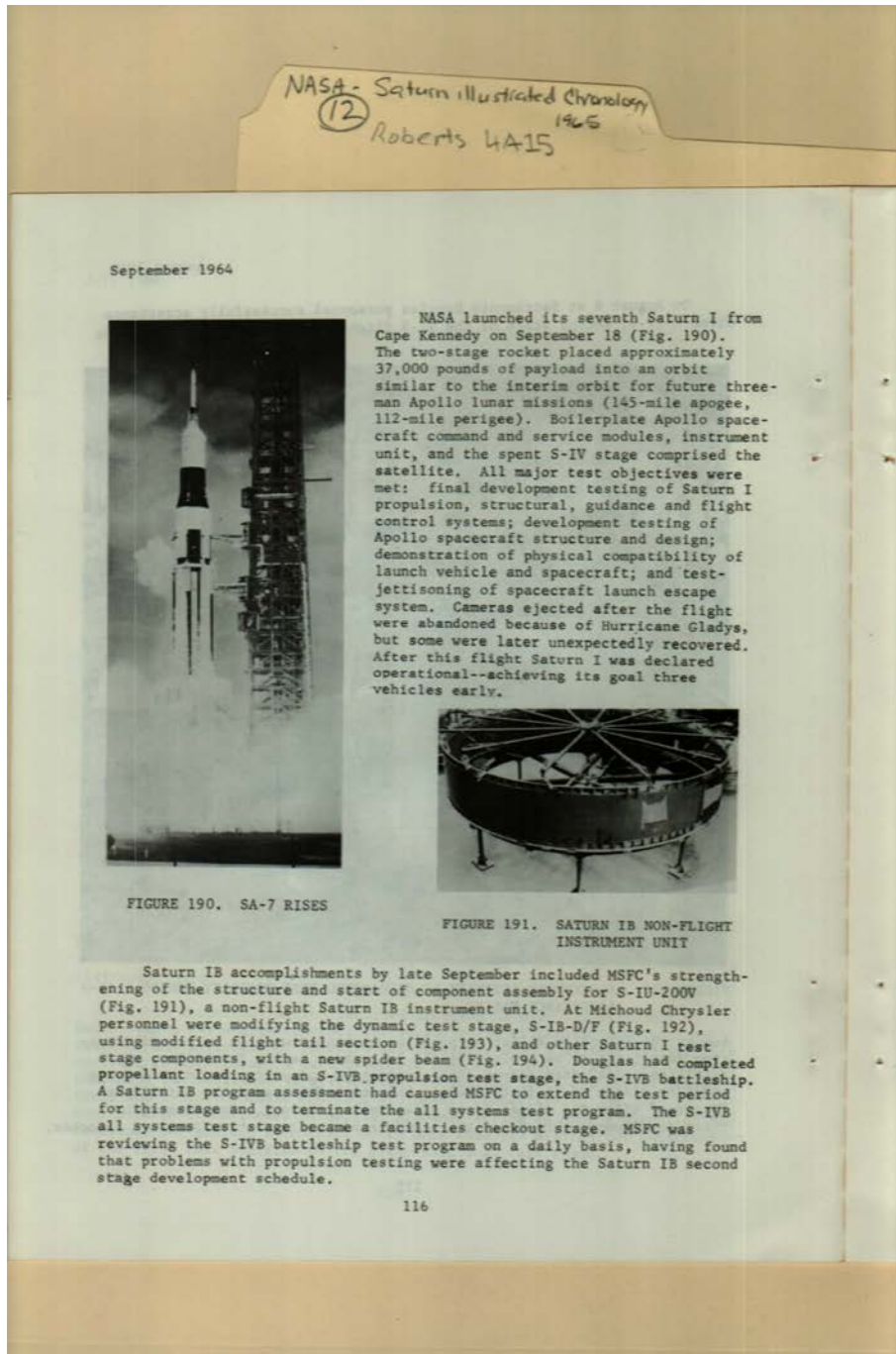
Sacramento, CA

Types:

photograph

Dates:

May 15, 1965



Names:

SA-7

Saturn IB Non-Flight
Instrument Unit

Places:

Cape Kennedy, FL

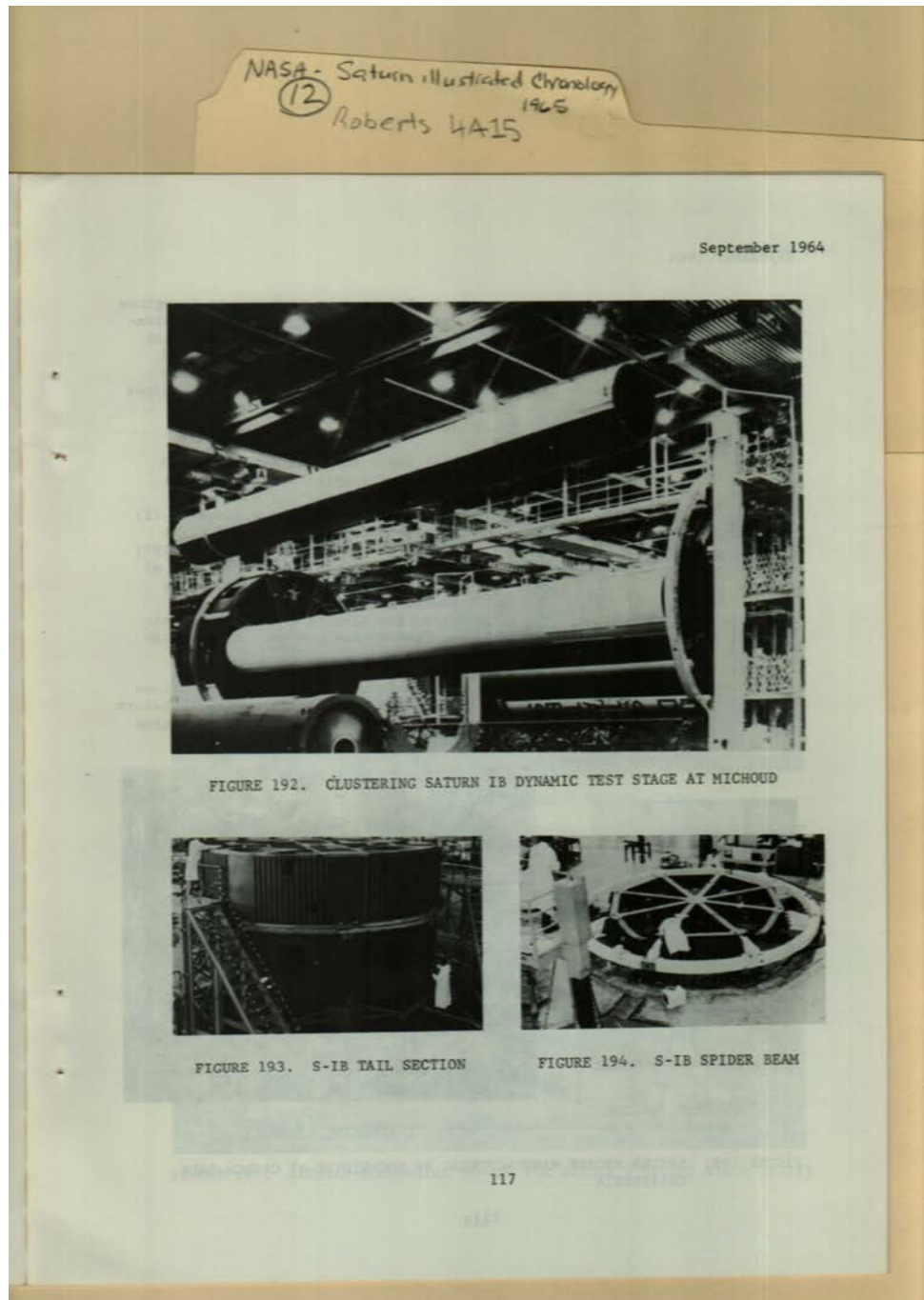
Huntsville, AL

Types:

photograph

Dates:

May 15, 1965



Names:

Clustering Saturn in
Dynamic Test Stage

S-1B Spider Beam

S-IB Tail Section

Places:

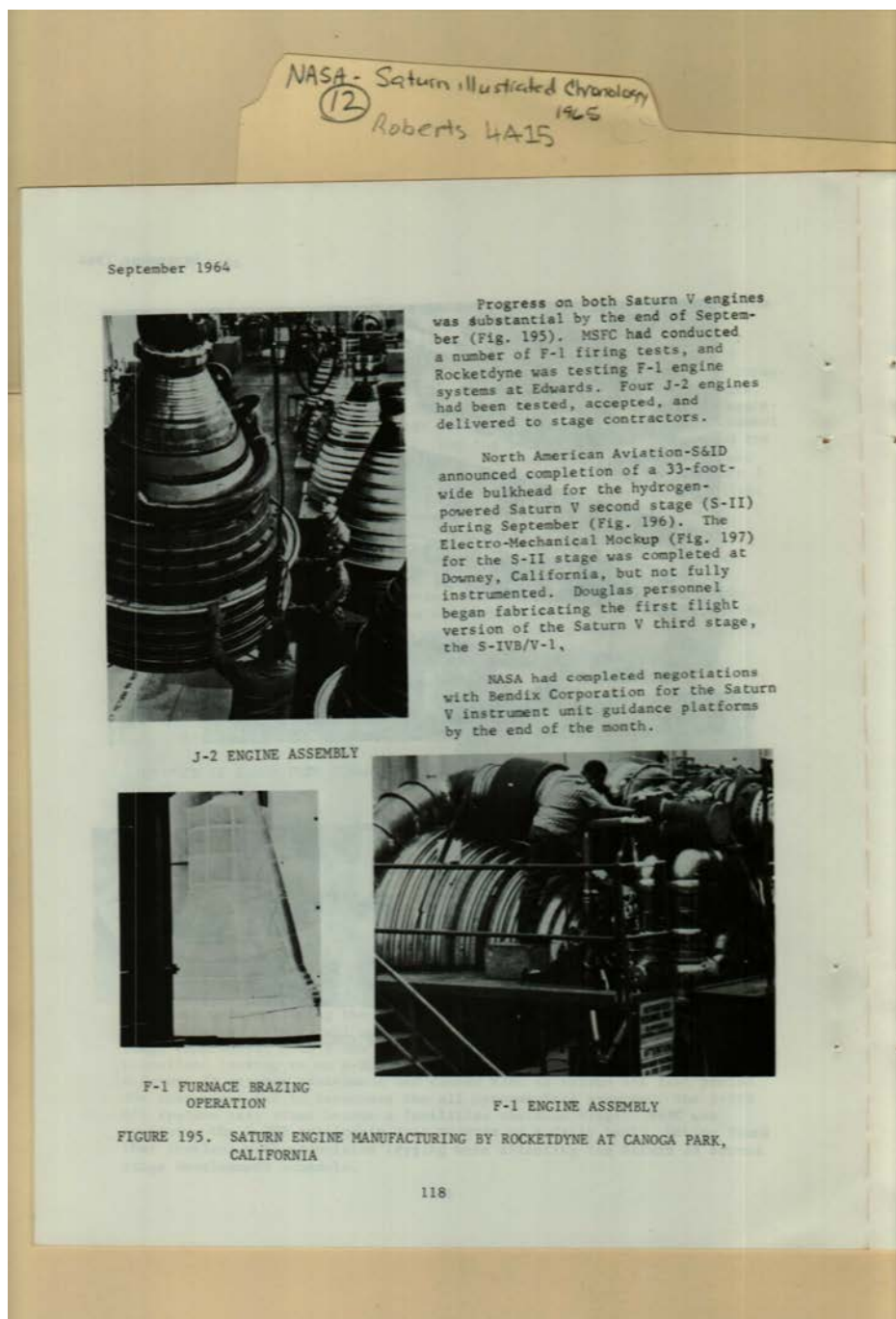
Mississippi

Types:

photograph

Dates:

May 15, 1965



Names:

F-1 Engine Assembly

F-1 Furnace Brazing
Operation

J-2 Engine Assembly
Saturn V engines

Places:

Canoga Park, CA

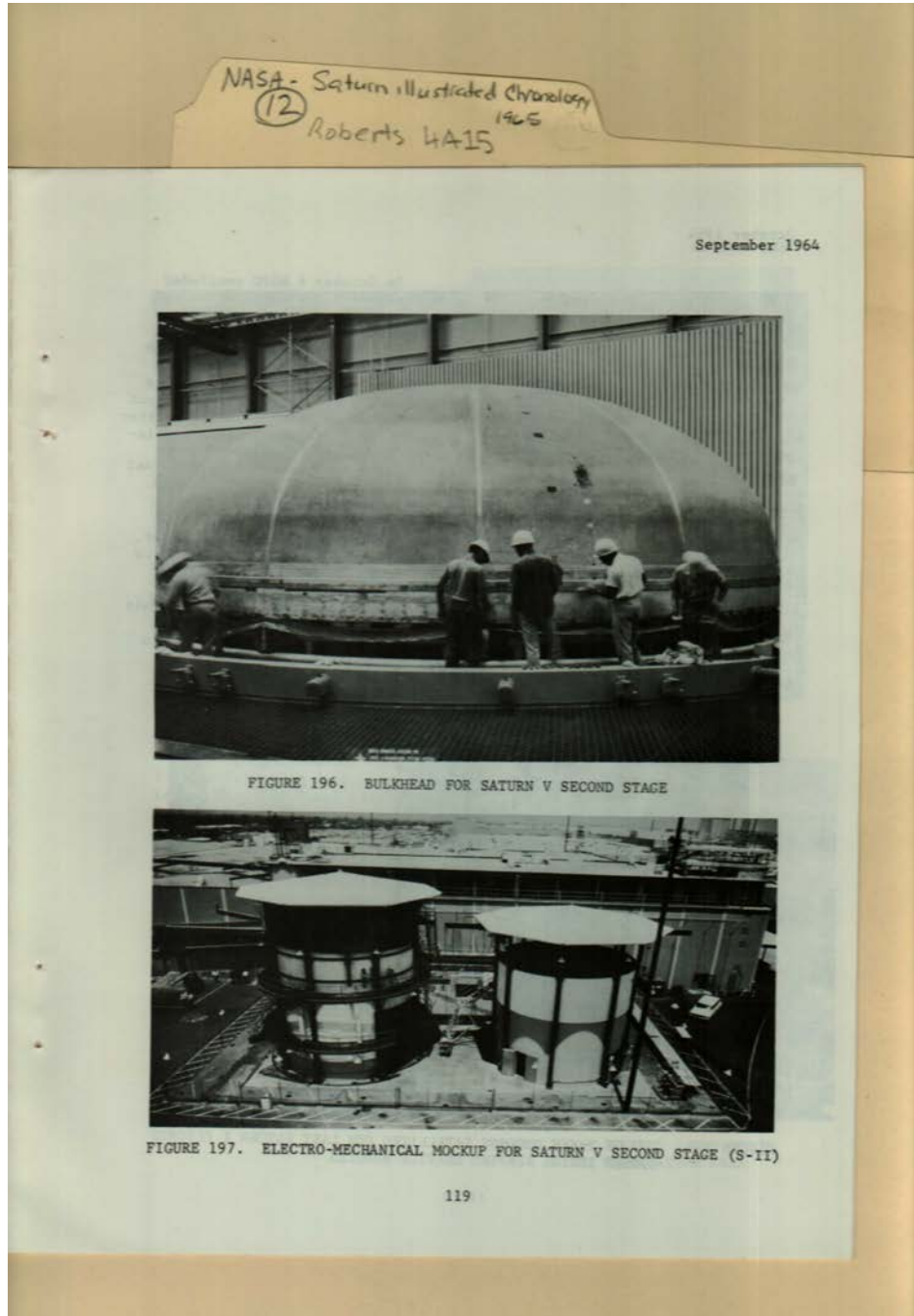
Types:

booklet

photograph

Dates:

September 1964



Names:

Bulkhead for Saturn
V Second Stage

Electro-Mechanical
Mockup for Saturn

V Second Stage

Places:

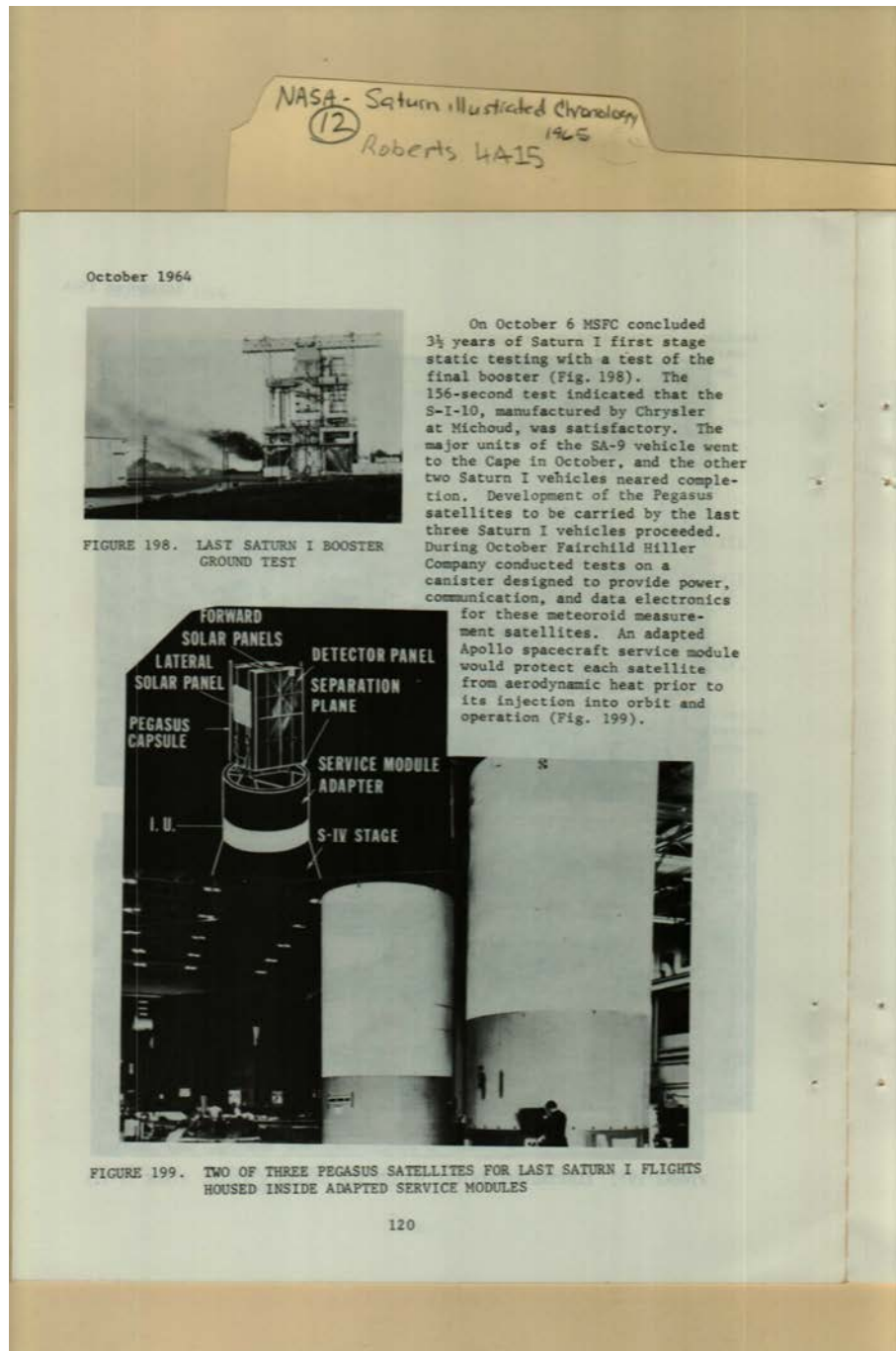
Downey, CA

Types:

photograph

Dates:

September 1964



Names:

Last Saturn I Booster
Ground Test

Pegasus Satellites

Places:

Huntsville, AL

Types:

photograph

Dates:

October 1964



Names:

Chrysler Saturn IB
Booster Work

Douglas S-IVB Stage
Fabrication Area

Places:

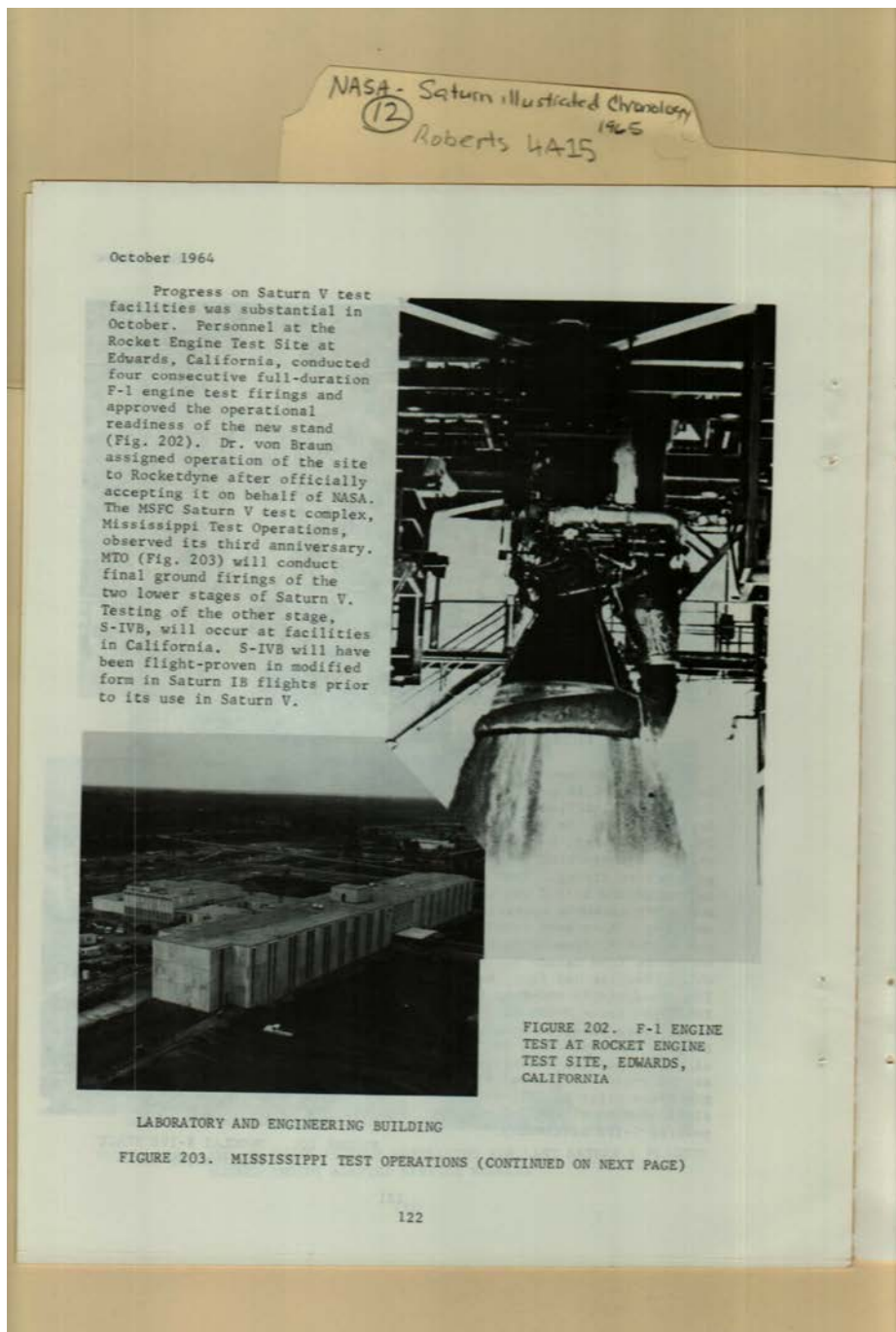
Mississippi

Types:

photograph

Dates:

October 1964



Names:

F-1 Engine Test

Laboratory and Engineering

Building Rocketdyne

von Braun, Wernher, Dr.

Places:

Edwards, CA

Mississippi

Types:

booklet

photograph

Dates:

October 1964



Names:

Test Stand for First
Saturn V Stage (S-

IC)

Test Stand for Second
Saturn V Stage (S-

II)

Places:

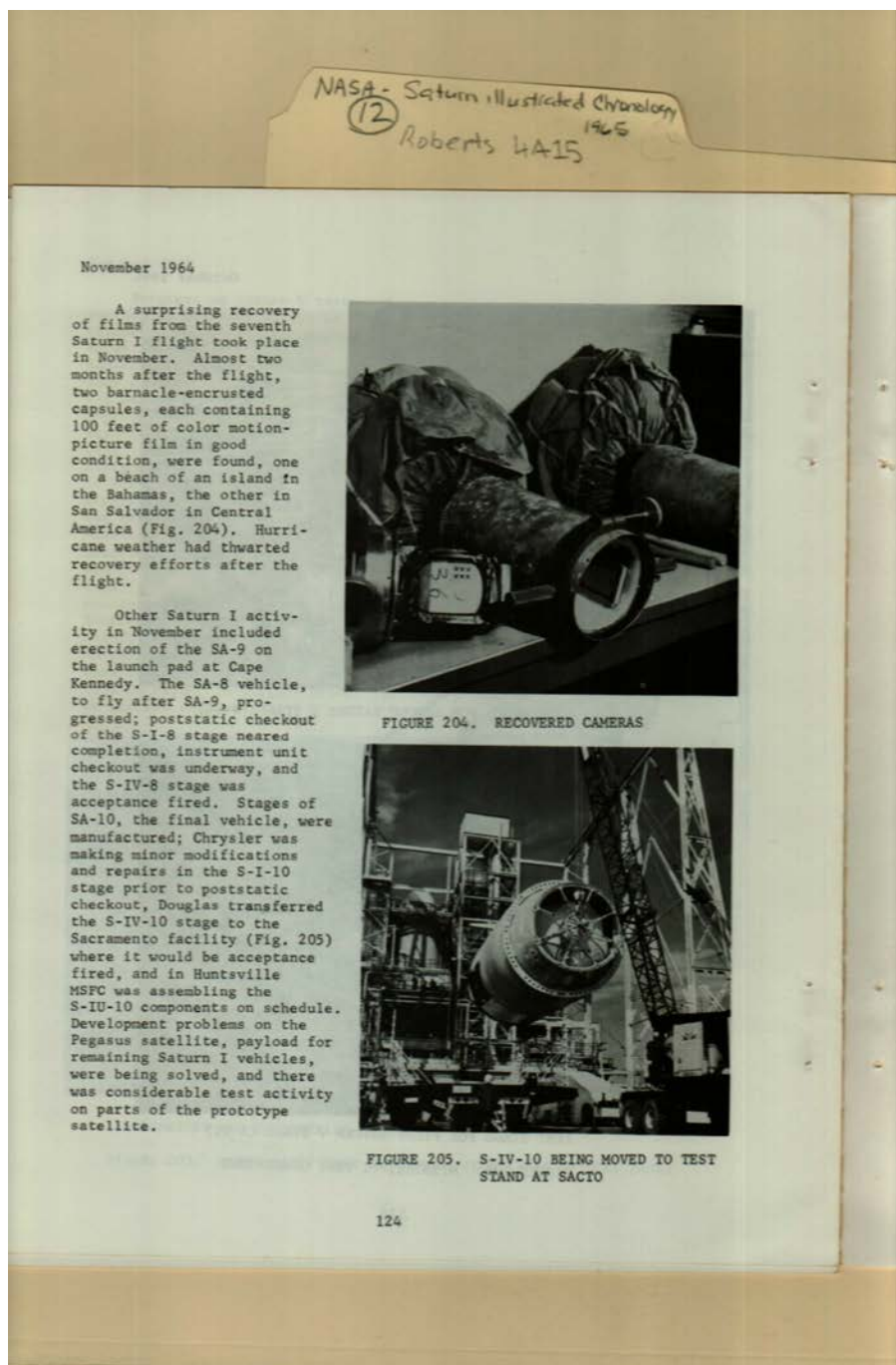
Mississippi

Types:

photograph

Dates:

October 1964



Names:

Recovered Cameras

S-IV-10 being moved
to Test Stand at

SACTO

Places:

Sacramento, CA

Types:

photograph

Dates:

November 1964

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1965
12
Roberts 4A15

November 1964



FIGURE 206. CHRYSLER SATURN IB FABRICATION AND ASSEMBLY AREA AT MICHLOUD



FIGURE 207. AUXILIARY PROPULSION SYSTEM FOR SATURN IB SECOND STAGE

With the first Saturn IB booster complete, Chrysler continued manufacture and assembly of the next three during November (Fig. 206). Technicians removed engines from the first booster, S-IB-1, and shipped them to Neosho for LOX dome retrofit. Engines would be re-installed at Michoud before delivery of the stage to MSFC for static test. At SACTO Douglas employees test fired, for the first time, the Auxiliary Propulsion System (Fig. 207) for the Saturn IB second stage, S-IVB. This system consists of six 150-pound thrust engines which provide attitude control after the main engine (J-2) shuts down and the S-IVB stage enters into the coast phase of flight. In Huntsville MSFC finished assembly of a non-flight Saturn IB instrument unit, S-IU-200V. On November 24 a successful S-IVB battleship firing occurred (Fig. 209).

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Names:

Auxiliary Propulsion System for Saturn

IB Second Stage

Chrysler Saturn IB Fabrication and

Assembly Area at Michoud

Places:

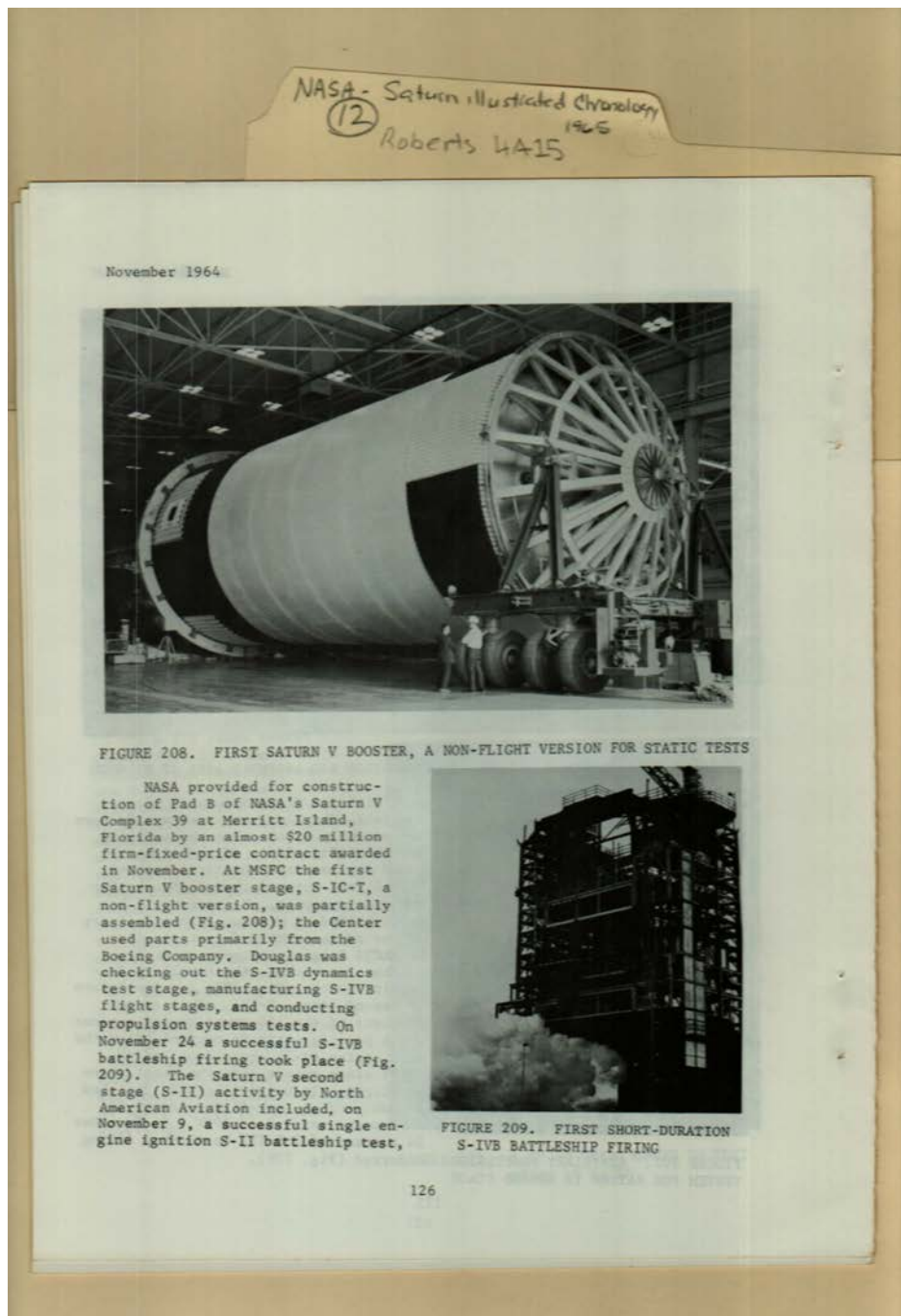
Sacramento, CA

Types:

photograph

Dates:

November 1964



Names:

First Saturn V
Booster

First Short-Duration
S-IVB Battleship

Firing

Saturn V Complex 39
contract

Places:

Huntsville, AL

Merritt Island, FL

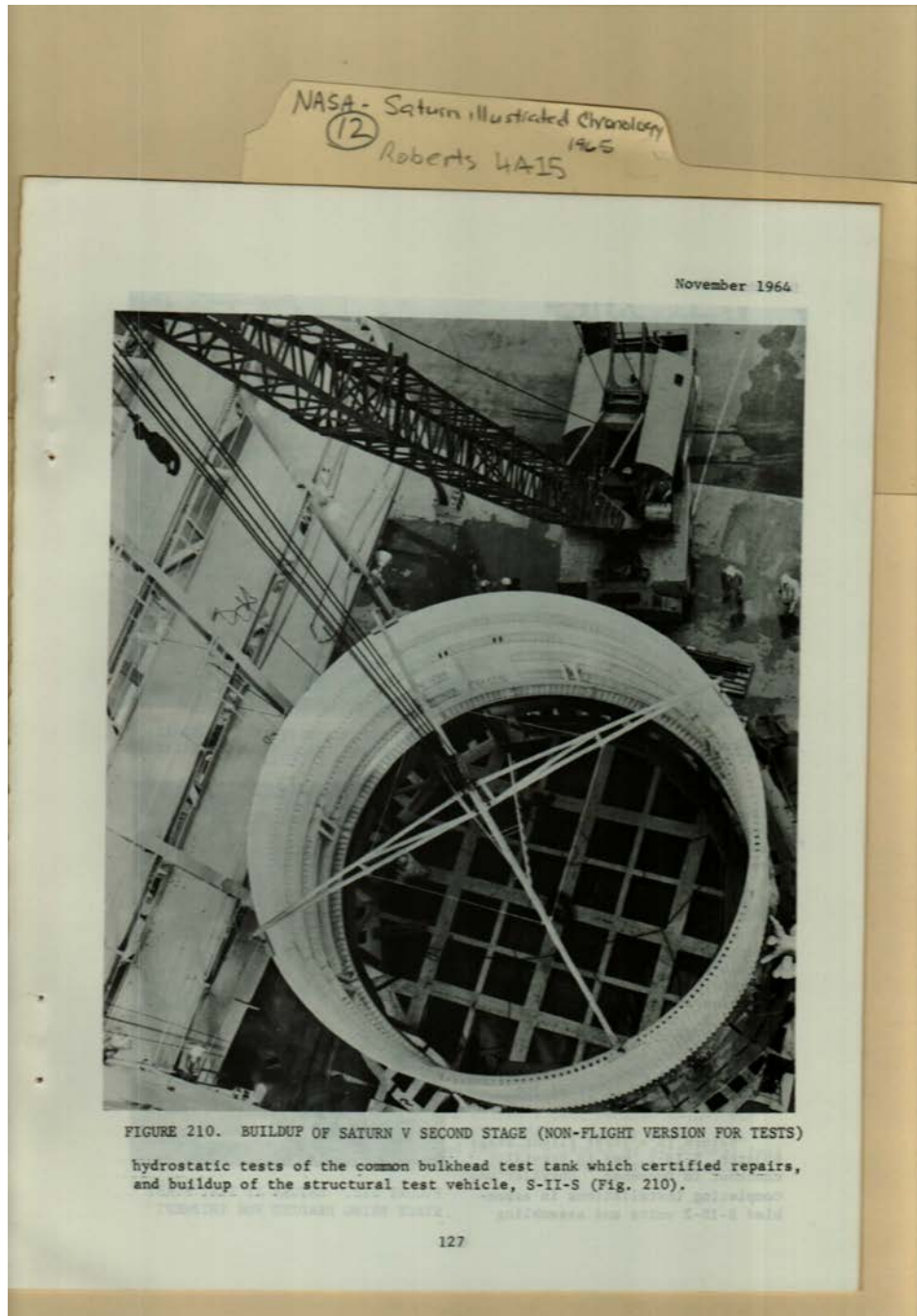
Types:

booklet

photograph

Dates:

November 1964



Names:

Saturn V Second
Stage

Types:

photograph

Dates:

November 1964



Names:

Pegasus B and
Pegasus Prototype

Saturn IB Test First
Stage

Places:

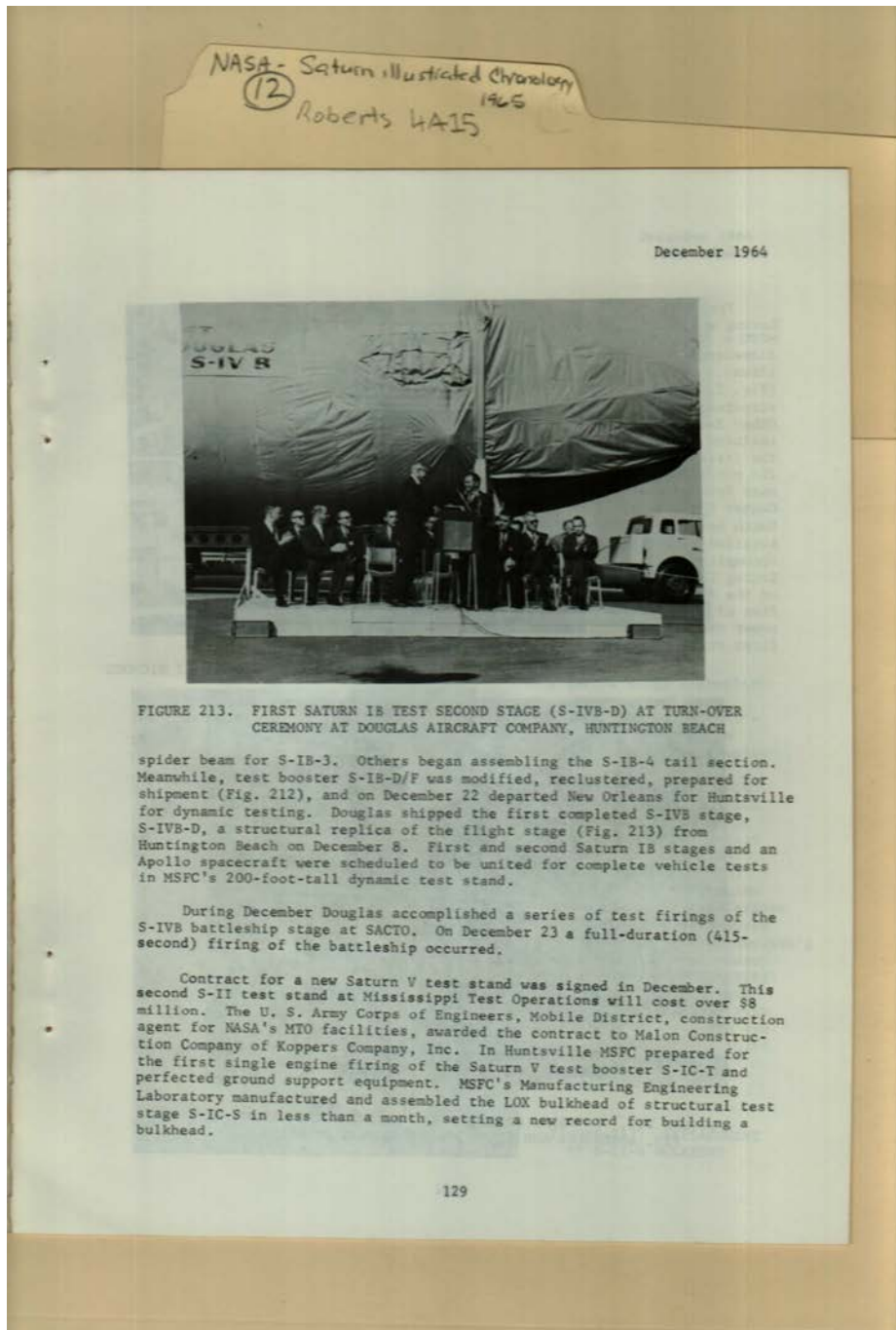
Hagerstown, MD

Types:

photograph

Dates:

December 1964



Names:

First Saturn IB
Second Stage

Ceremony

Places:

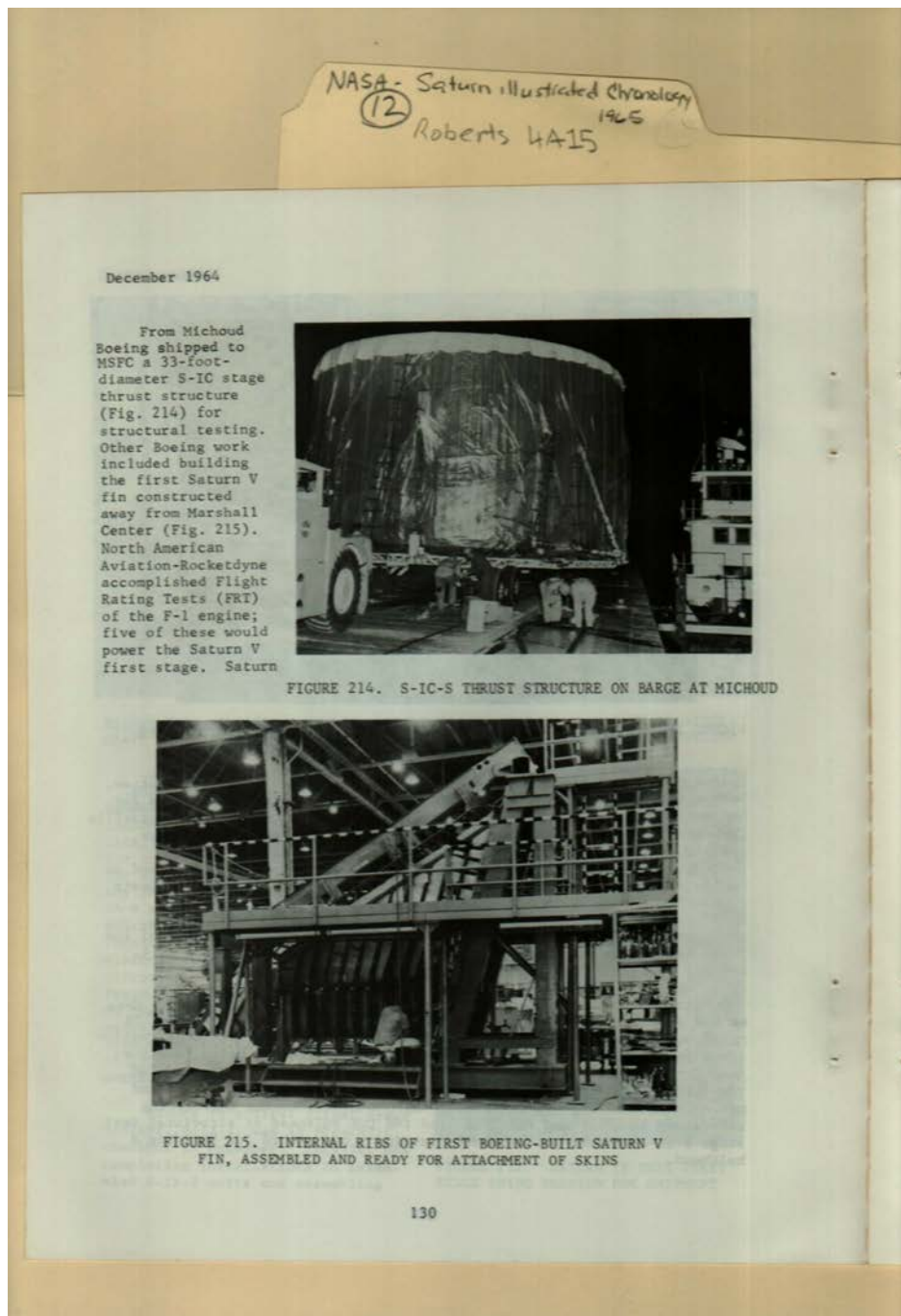
Huntington Beach,
CA

Types:

photograph

Dates:

December 1964



Names:

Internal Ribs of First
Boeing-Built Saturn

V Fin

S-IC-S Thrust
Structure on Barge

Places:

New Orleans, LA

Types:

photograph

Dates:

December 1964



Names:

J-2 Engine
Gimballing Test

Replacement of S-II-S
Bulkhead

Places:

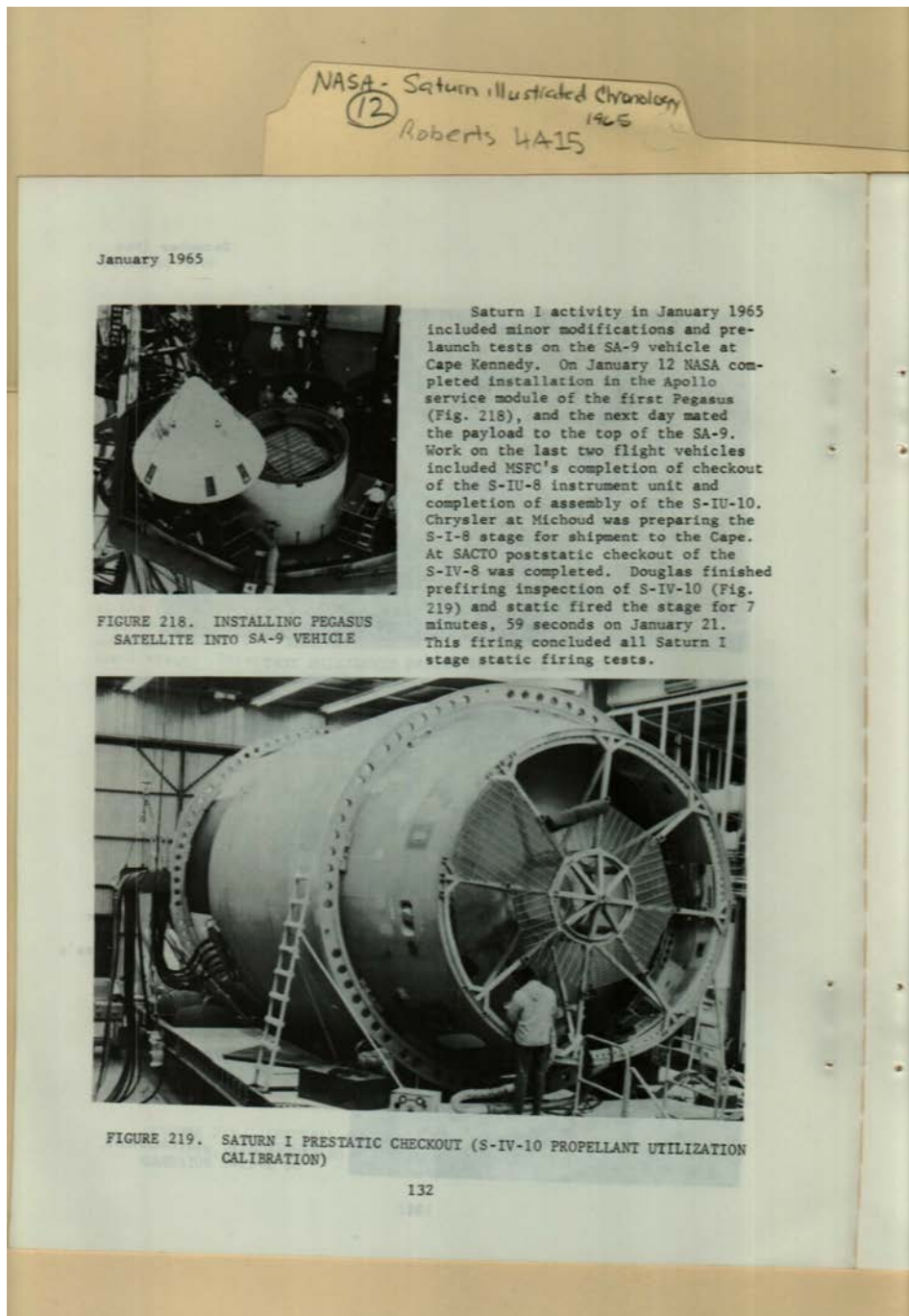
Downey, CA

Types:

photograph

Dates:

December 1964



Names:

Installing Pegasus
Satellite into SA-9

Vehicle

Saturn I Prestatic
Checkout

Places:

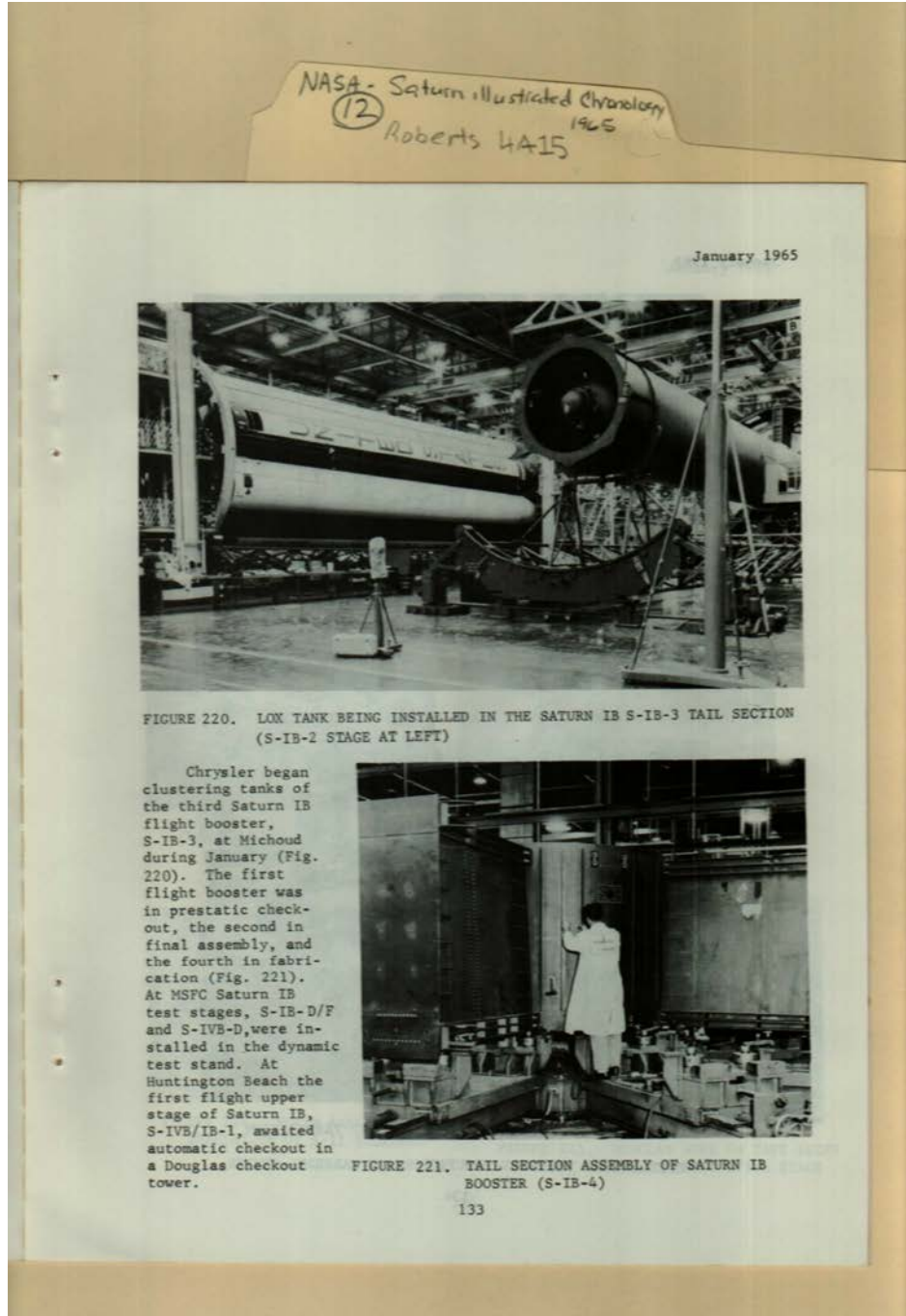
Cape Kennedy, FL

Types:

photograph

Dates:

January 1965



Names:

LOX Tank Being
Installed in Saturn

IB S-IB-3 Tail
Section

Tail Section
Assembly of Saturn

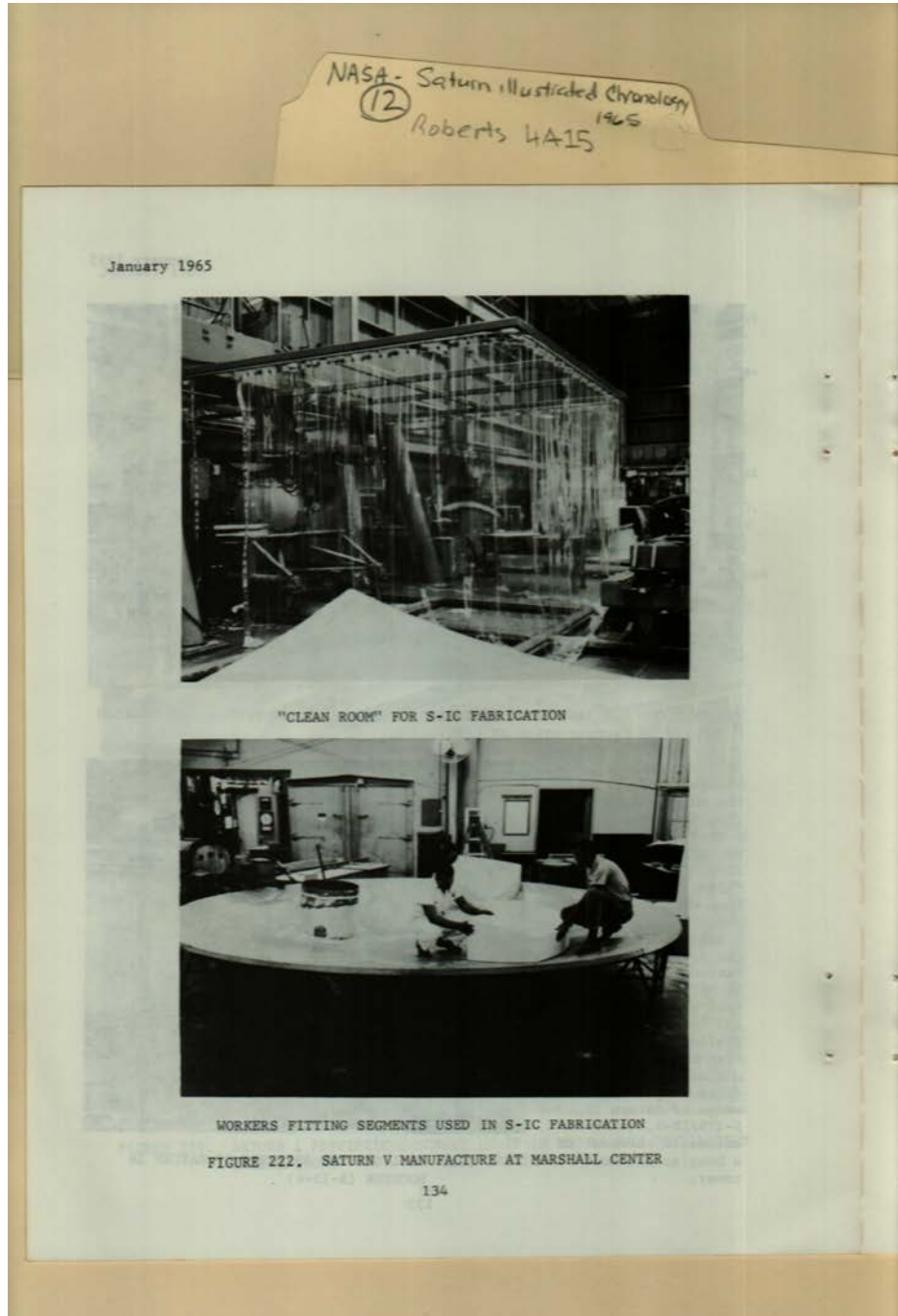
IB Booster

Types:

photograph

Dates:

January 1965



Names:

S-IC Fabrication

Clean Room For S-IC
Fabrication

Places:

Huntsville, AL

Types:

photograph

Dates:

January 1965



Names:

Insulation of S-II Bulkhead

Placing Ring on Tank Skin

Ring Baffle for Fuel Tank

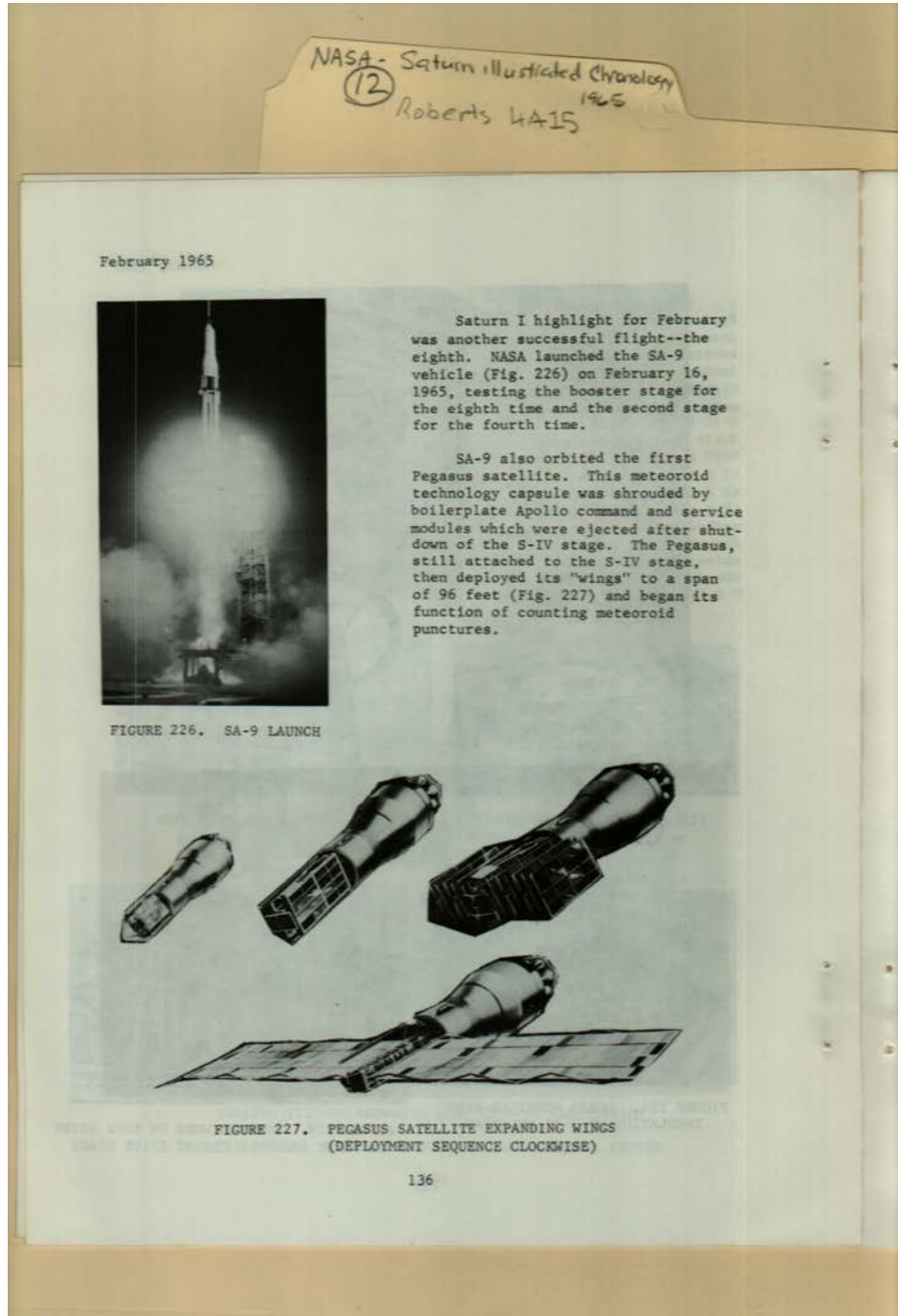
Work on Tank Skins of First Saturn V Flight S/IVB Stage

Types:

photograph

Dates:

January 1965



Names:

Pegasus Satellite
Deploying Wings

Sequence
SA-9 Launch

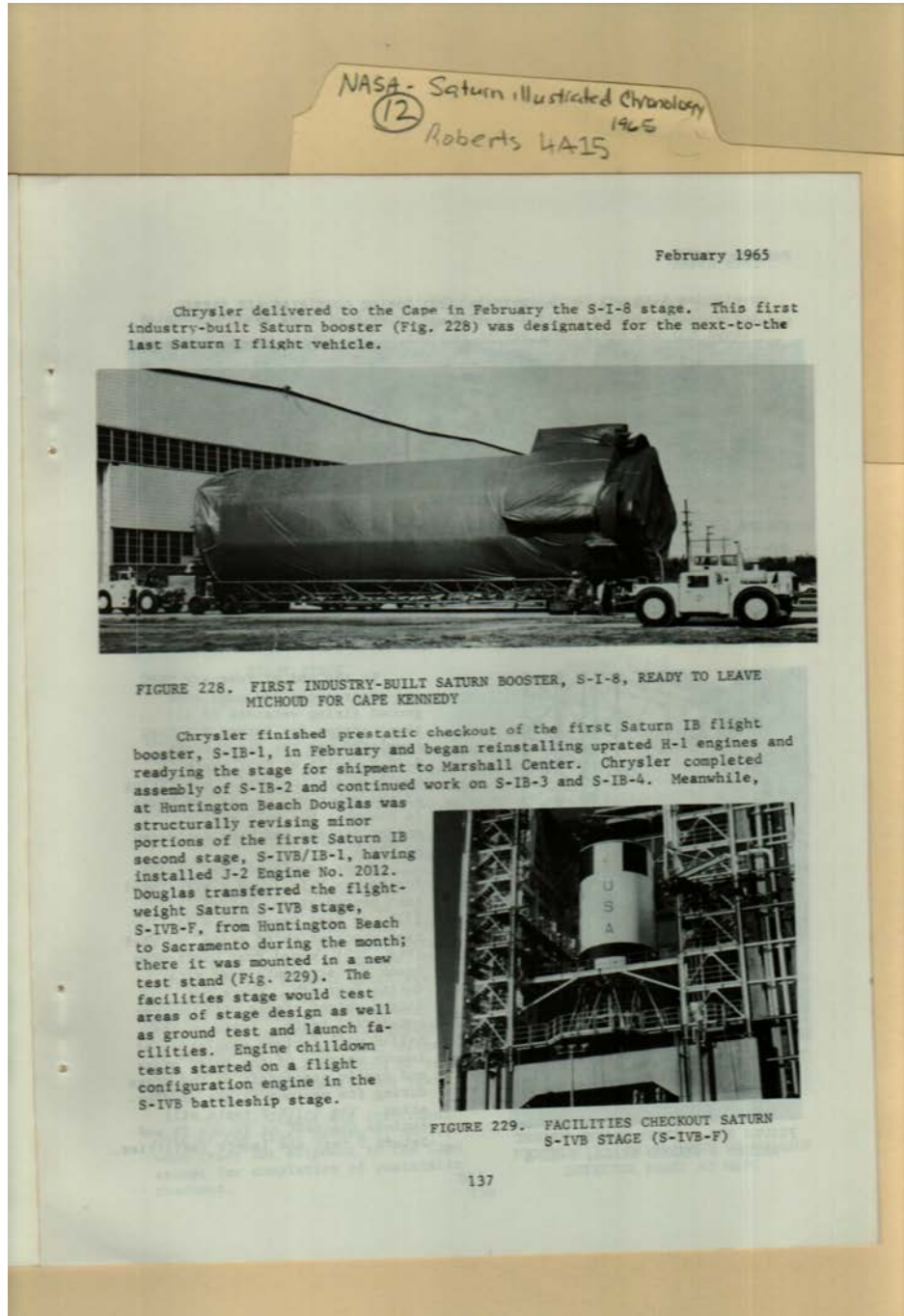
Types:

diagram

photograph

Dates:

February 1965



Names:

Facilities Checkout
Saturn SIVB Stage

Saturn Booster S-I-8

Places:

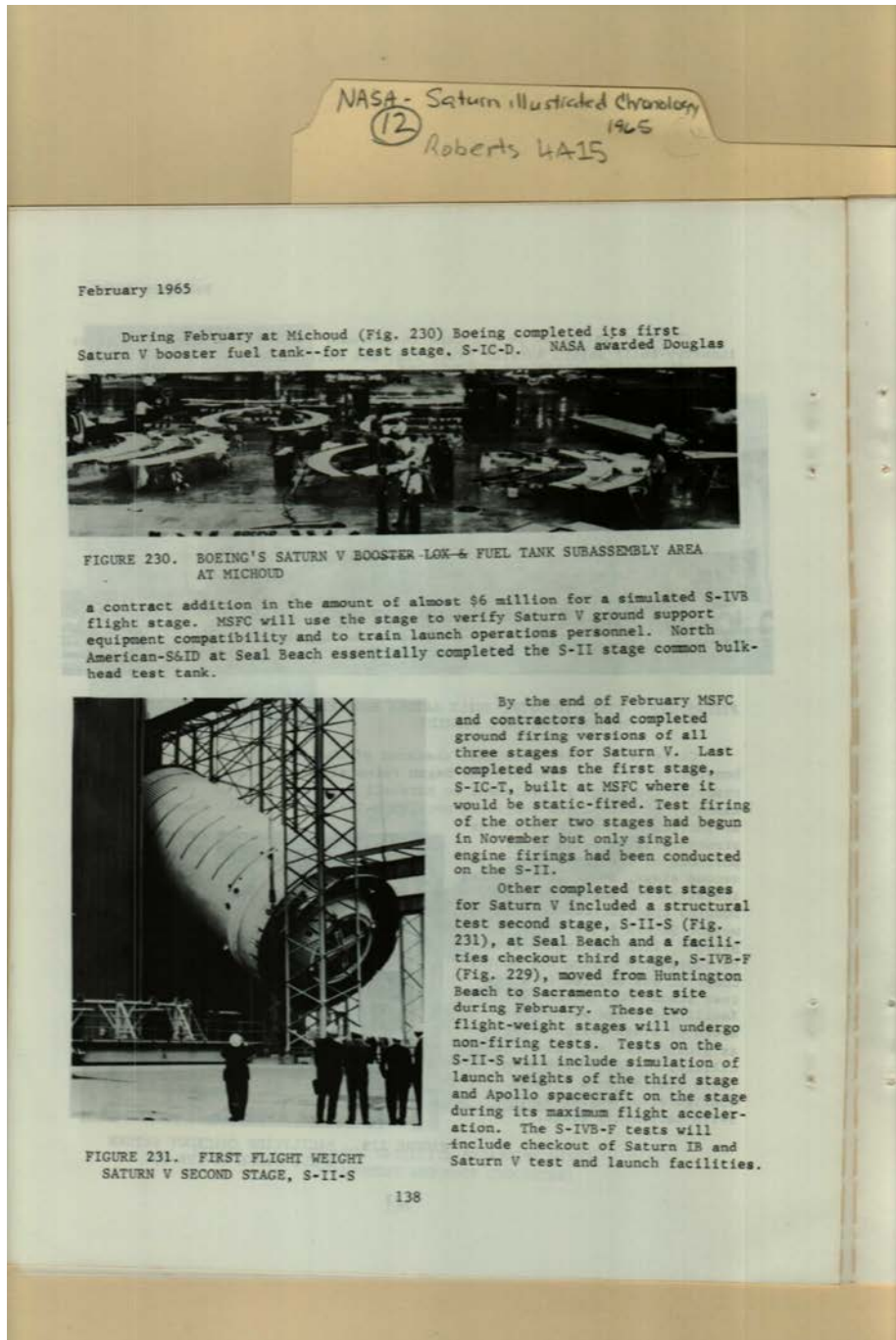
New Orleans, LA

Types:

photograph

Dates:

February 1965



Names:

Boeing's Saturn V
LOX & Fuel Tank

Subassembly Area

First Flight Weight
Saturn V Second

Stage , S-II-S

Places:

New Orleans, LA

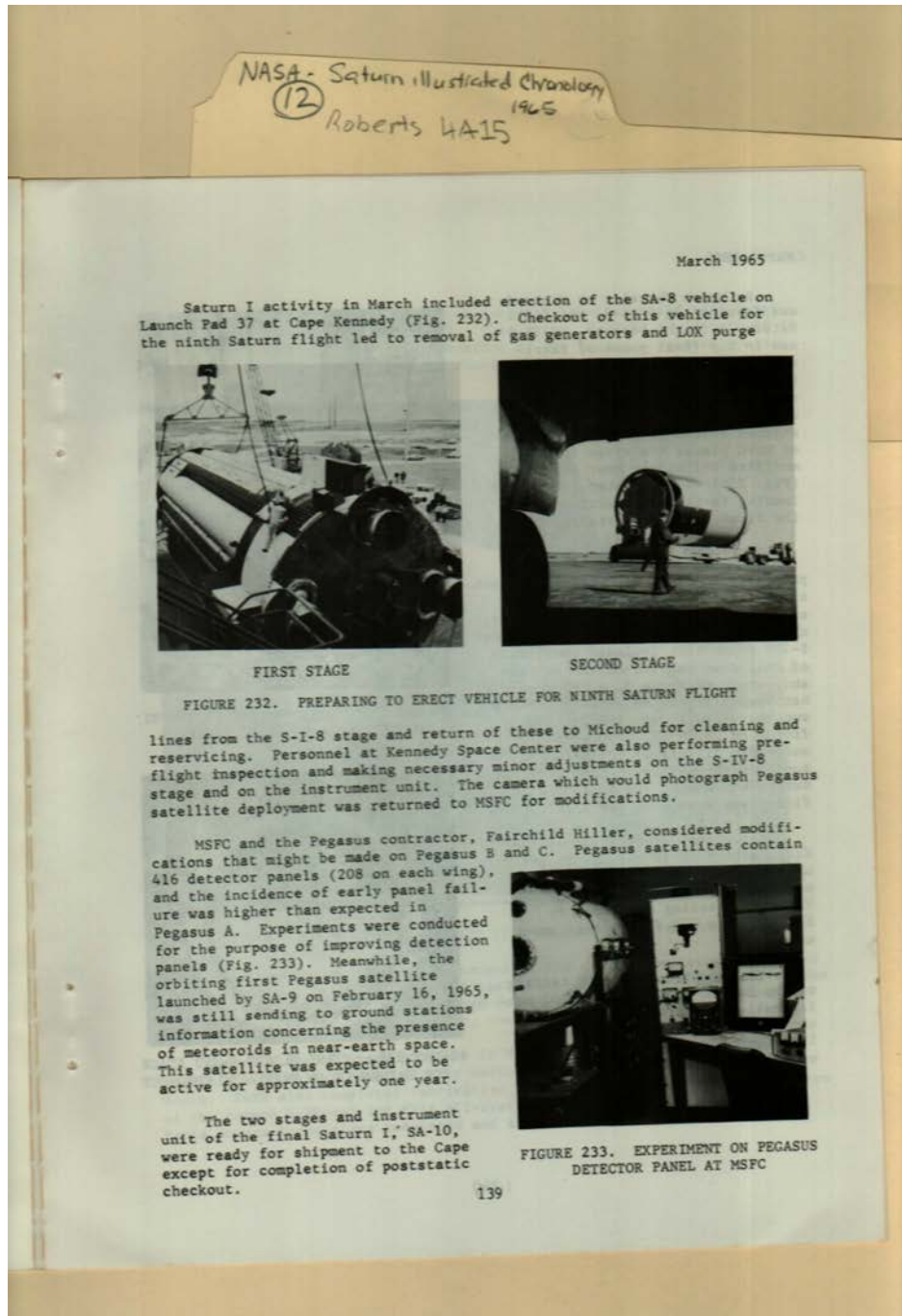
Seal Beach, CA

Types:

photograph

Dates:

February 1965



Names:

Experiment on Pegasus Detector

Panel First Stage

Preparing to Erect Vehicle for Ninth

Saturn Flight Second Stage

Places:

Cape Kennedy, FL

Huntsville, AL

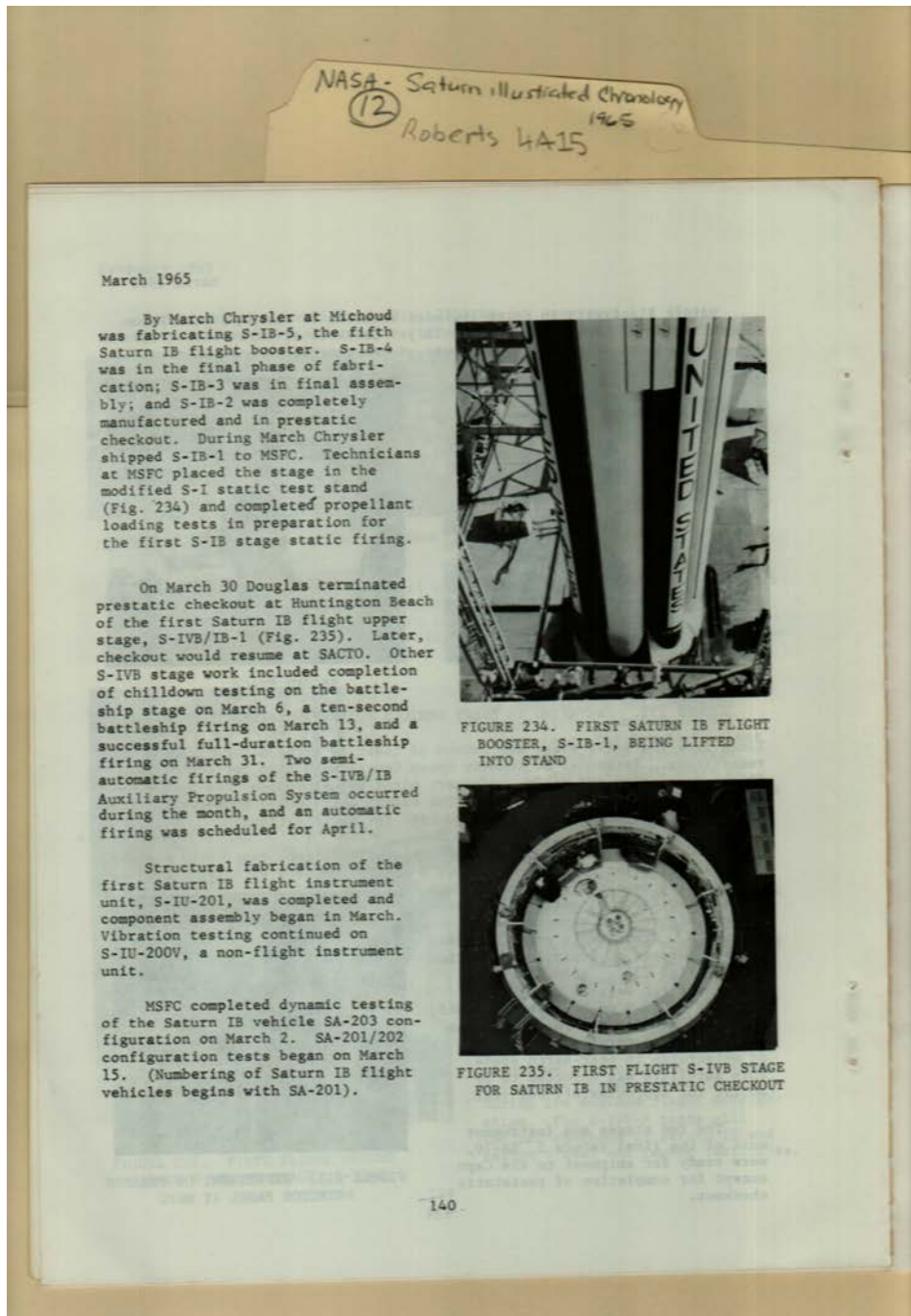
Types:

booklet

photograph

Dates:

March 1965



Names:

First Flight S-IVB Stage for Saturn IB

in Prestatic Checkout

First Saturn IB Flight Booster Lifted Into

Stand

Places:

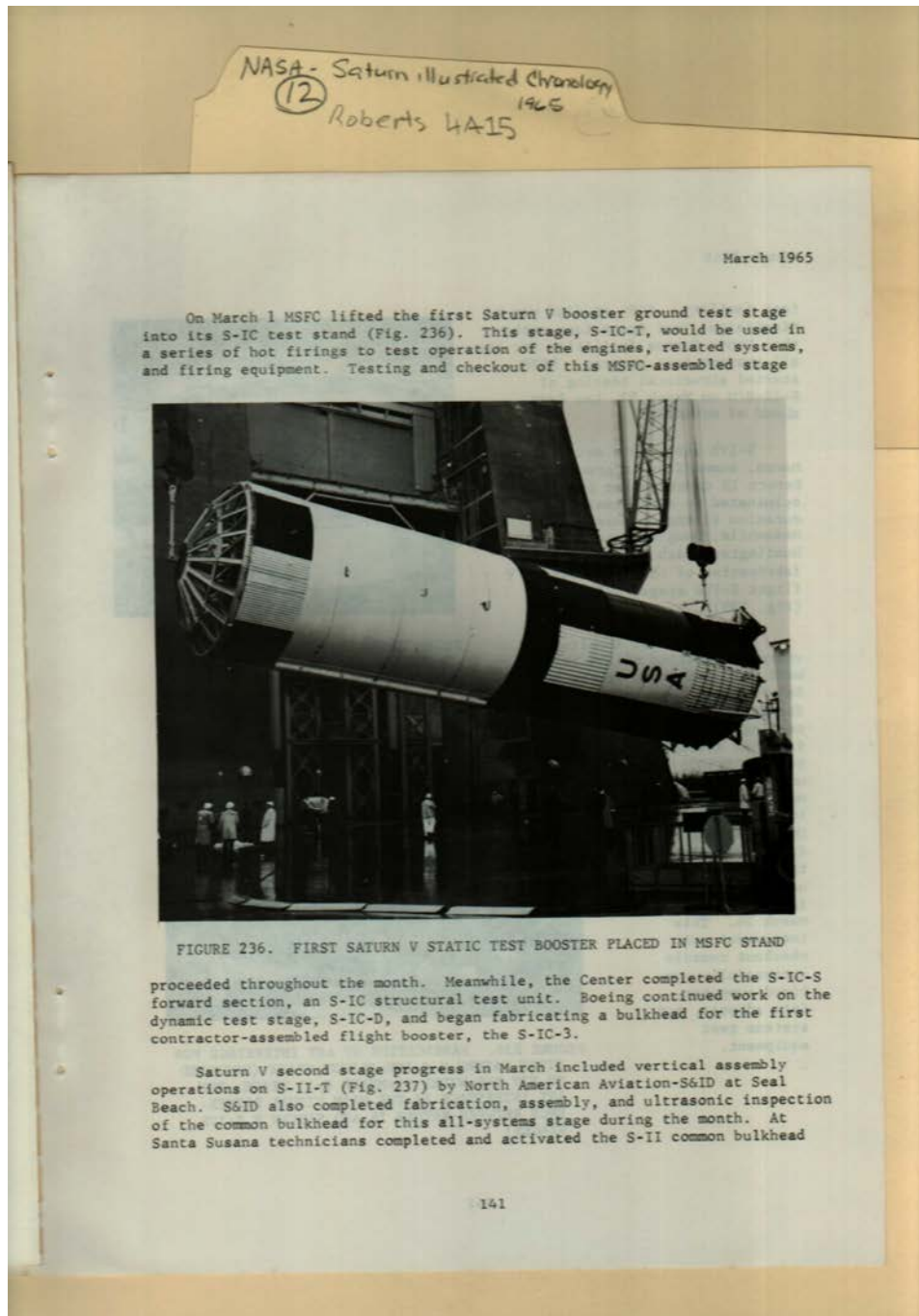
Huntsville, AL

Types:

photograph

Dates:

March 1965



Names:

First Saturn V Static
Test Booster

Places:

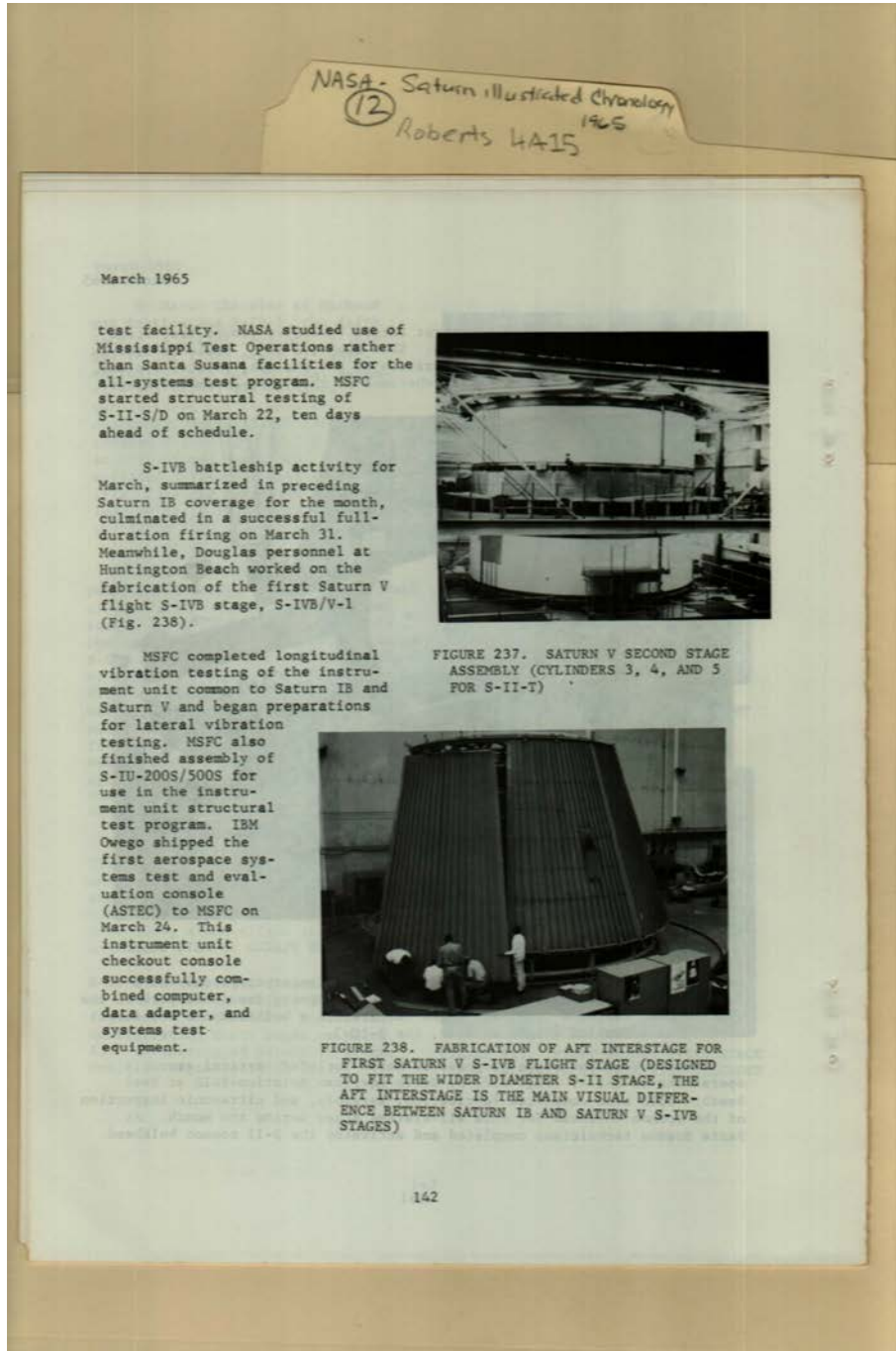
Huntsville, AL

Types:

photograph

Dates:

March 1965



Names:

Fabrication of Aft
Interstage

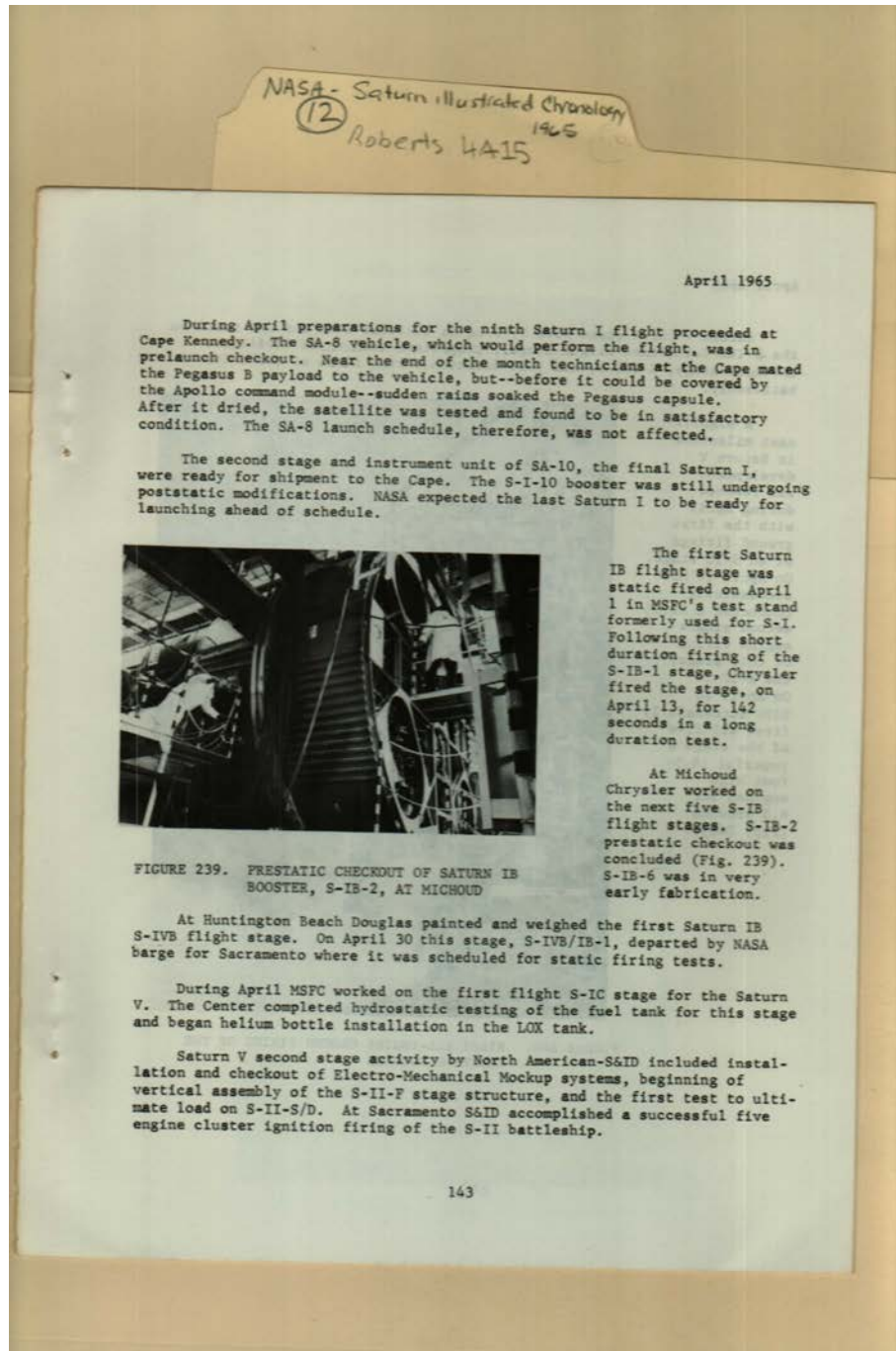
Saturn V Second
Stage Assembly

Types:

photograph

Dates:

March 1965



Names:

Prestatic Checkout of
Saturn IB Booster,

S-IB-2

Places:

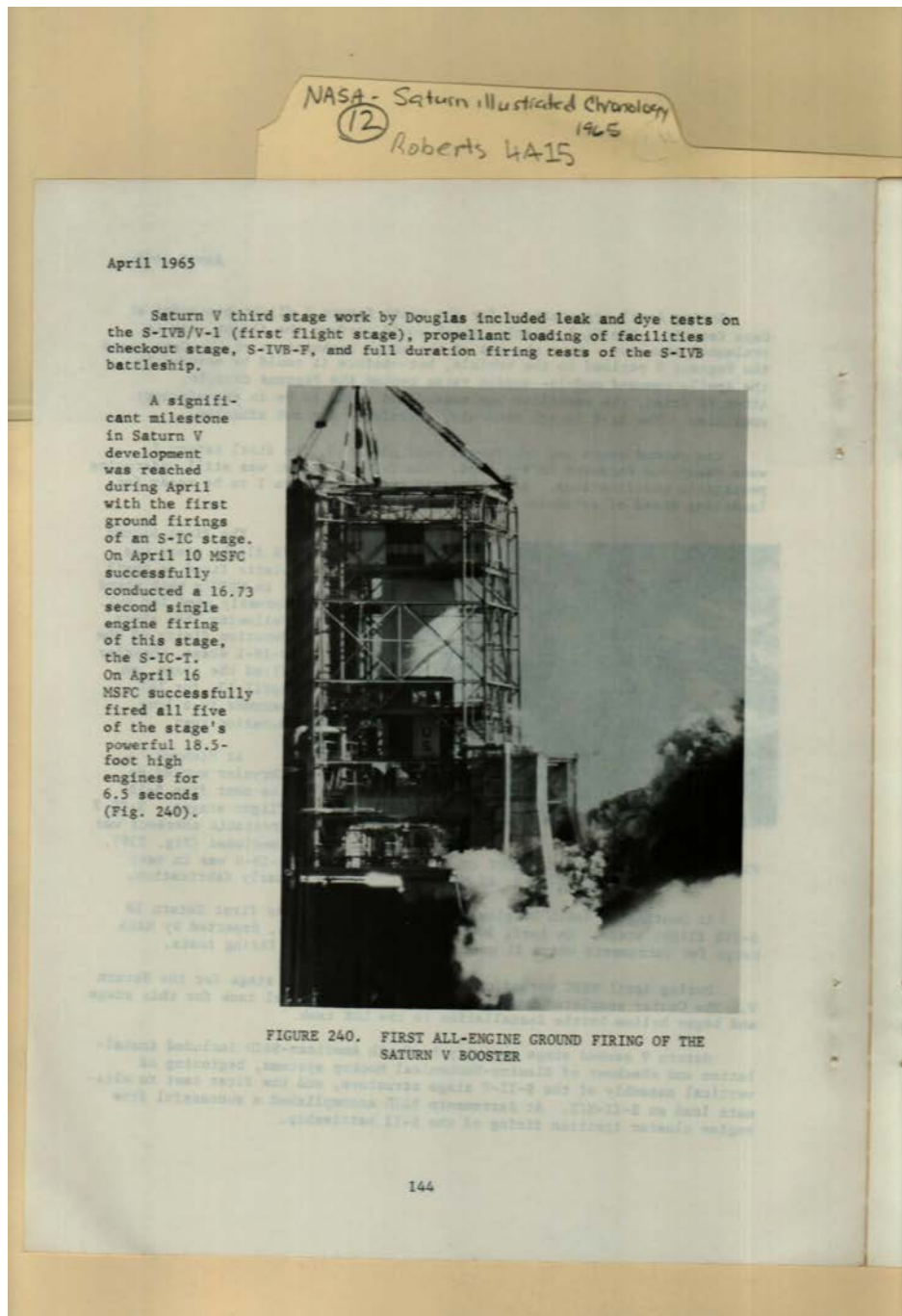
New Orleans, LA

Types:

photograph

Dates:

April 1965



Names:

First All-Engine
Ground Firing of

the Saturn V
Booster

Places:

Huntsville, AL

Types:

photograph

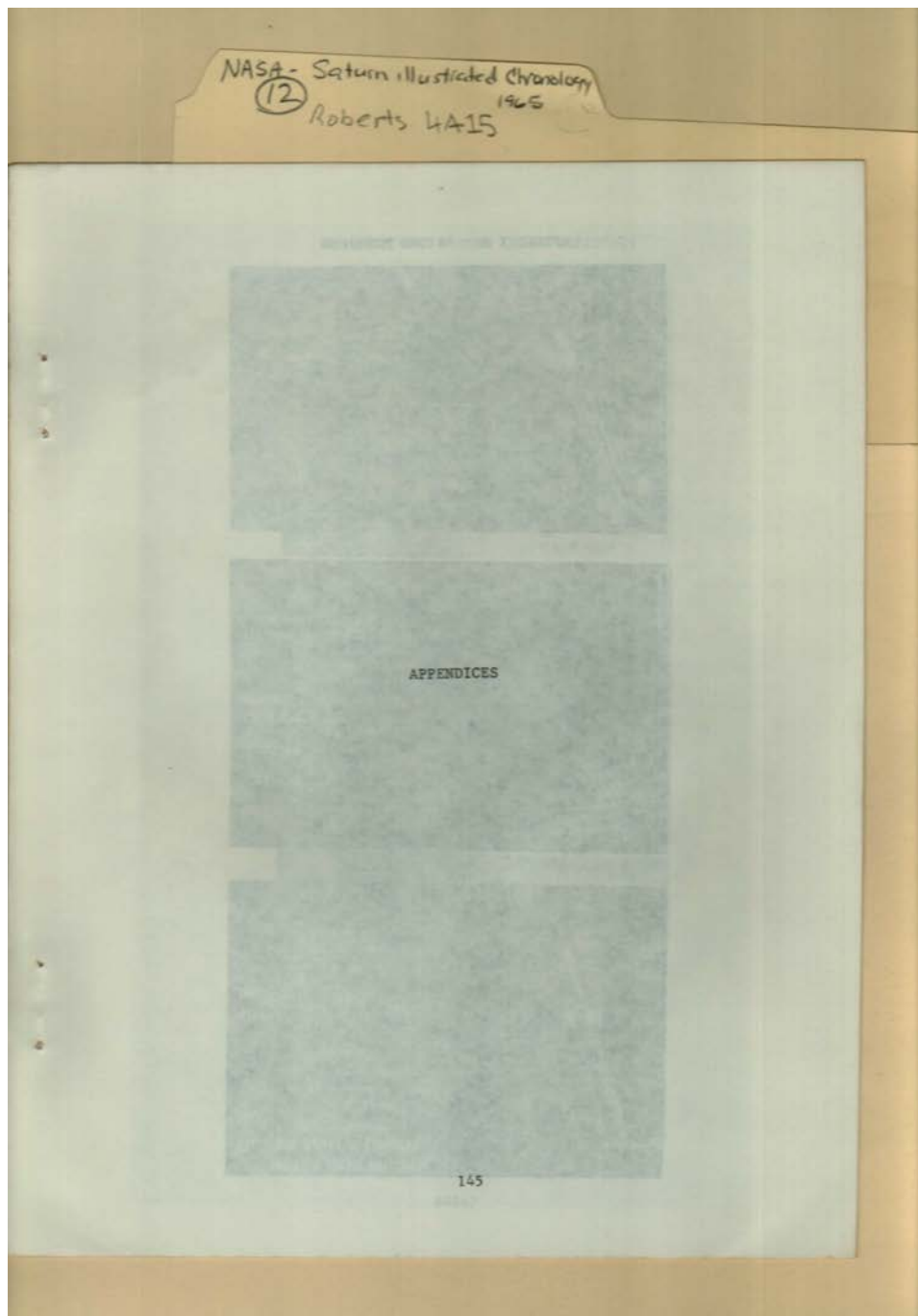
Dates:

April 1965

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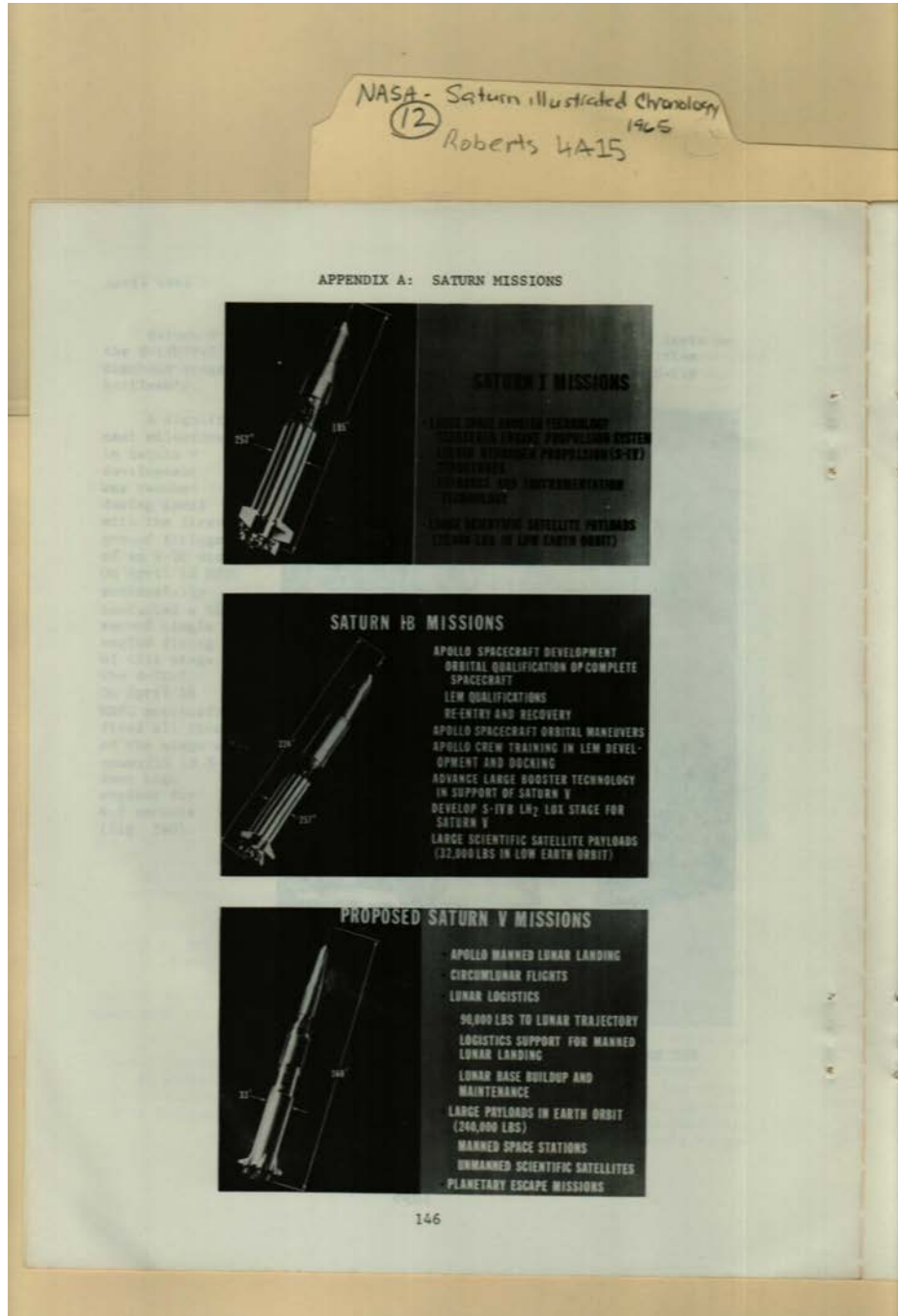
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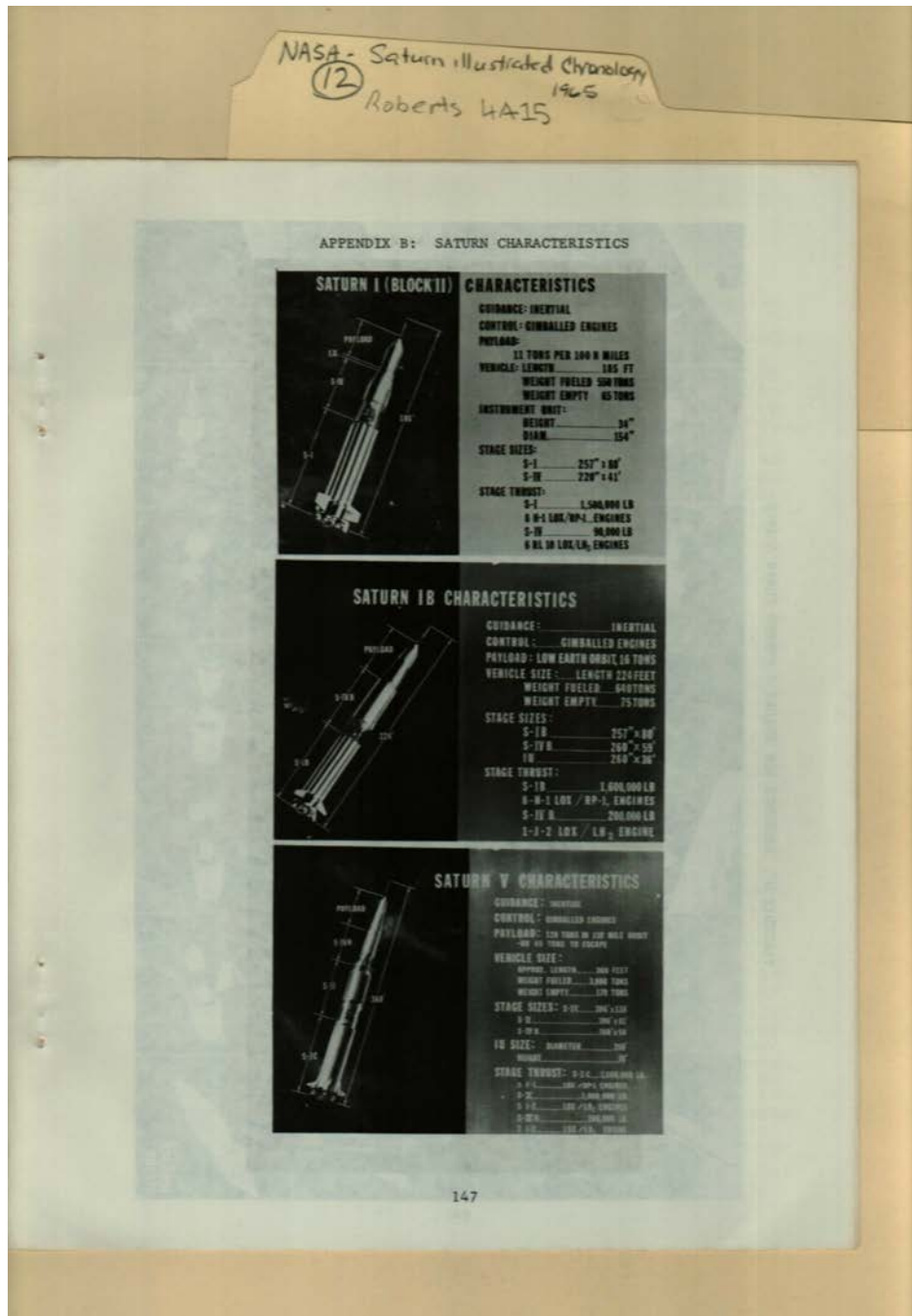


Names:

Appendix A: Saturn Missions

Types:

diagram

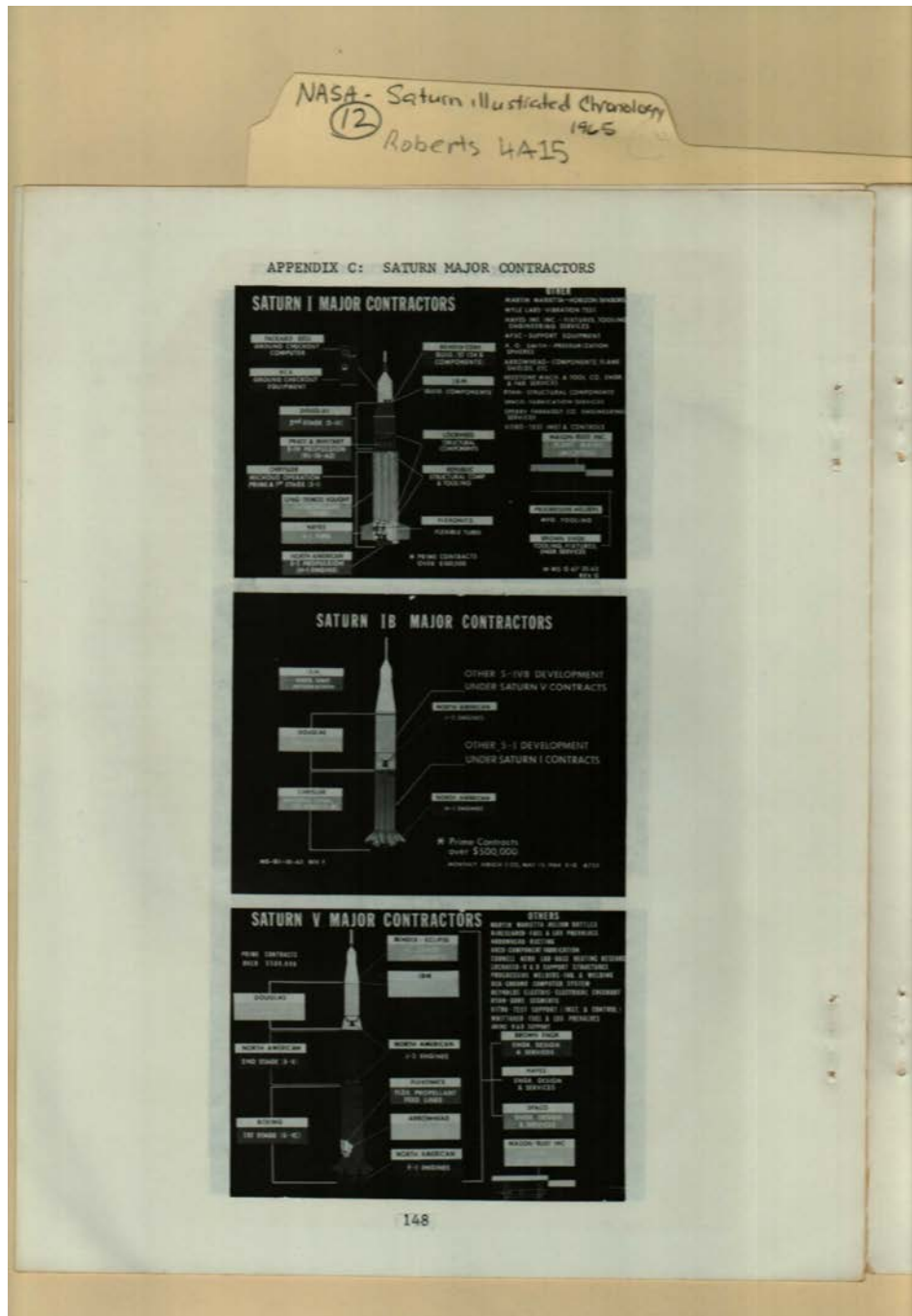


Names:

Appendix B: Saturn
Characteristics

Types:

diagram

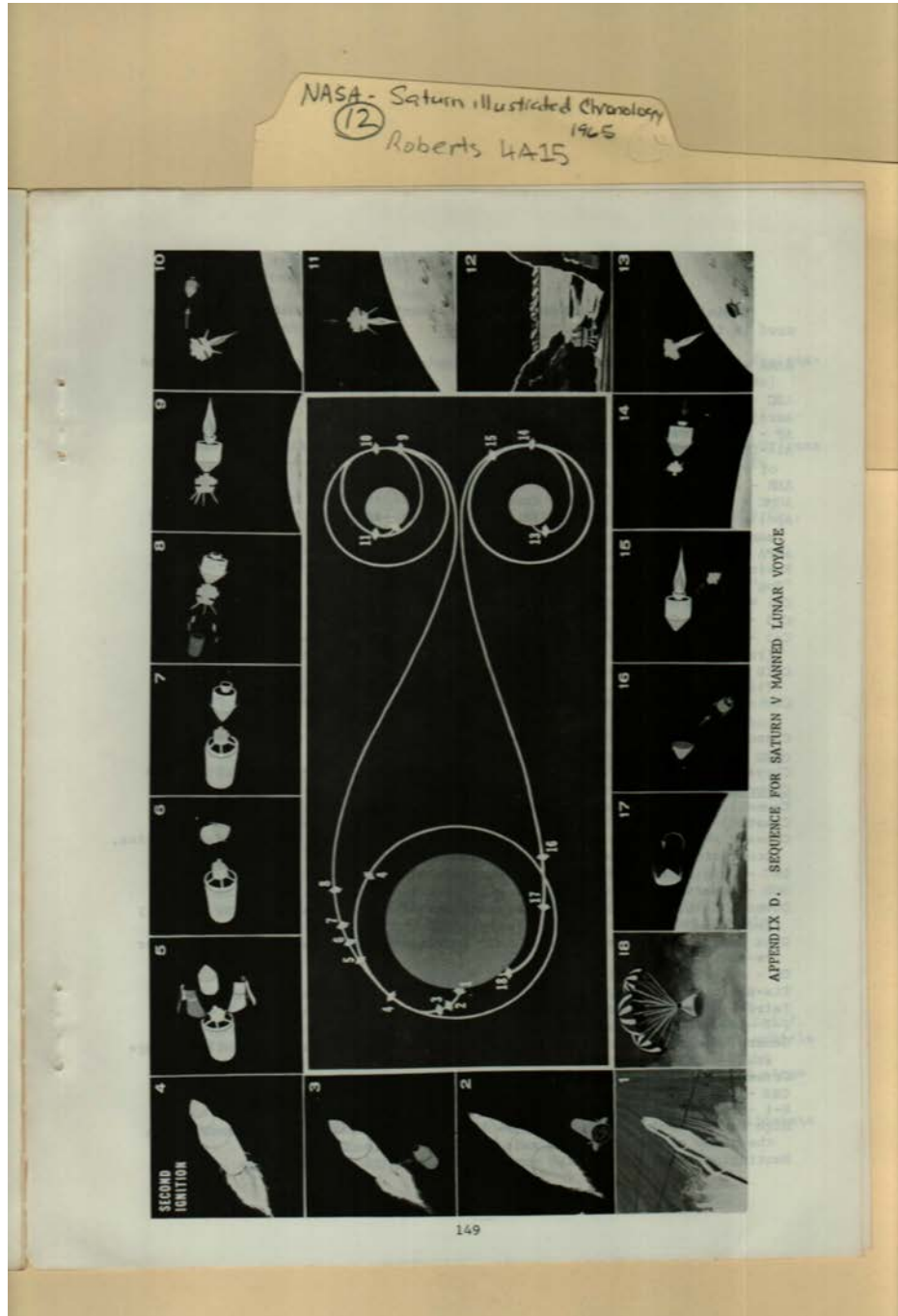


Names:

Appendix C: Saturn
Major Contractors

Types:

diagram



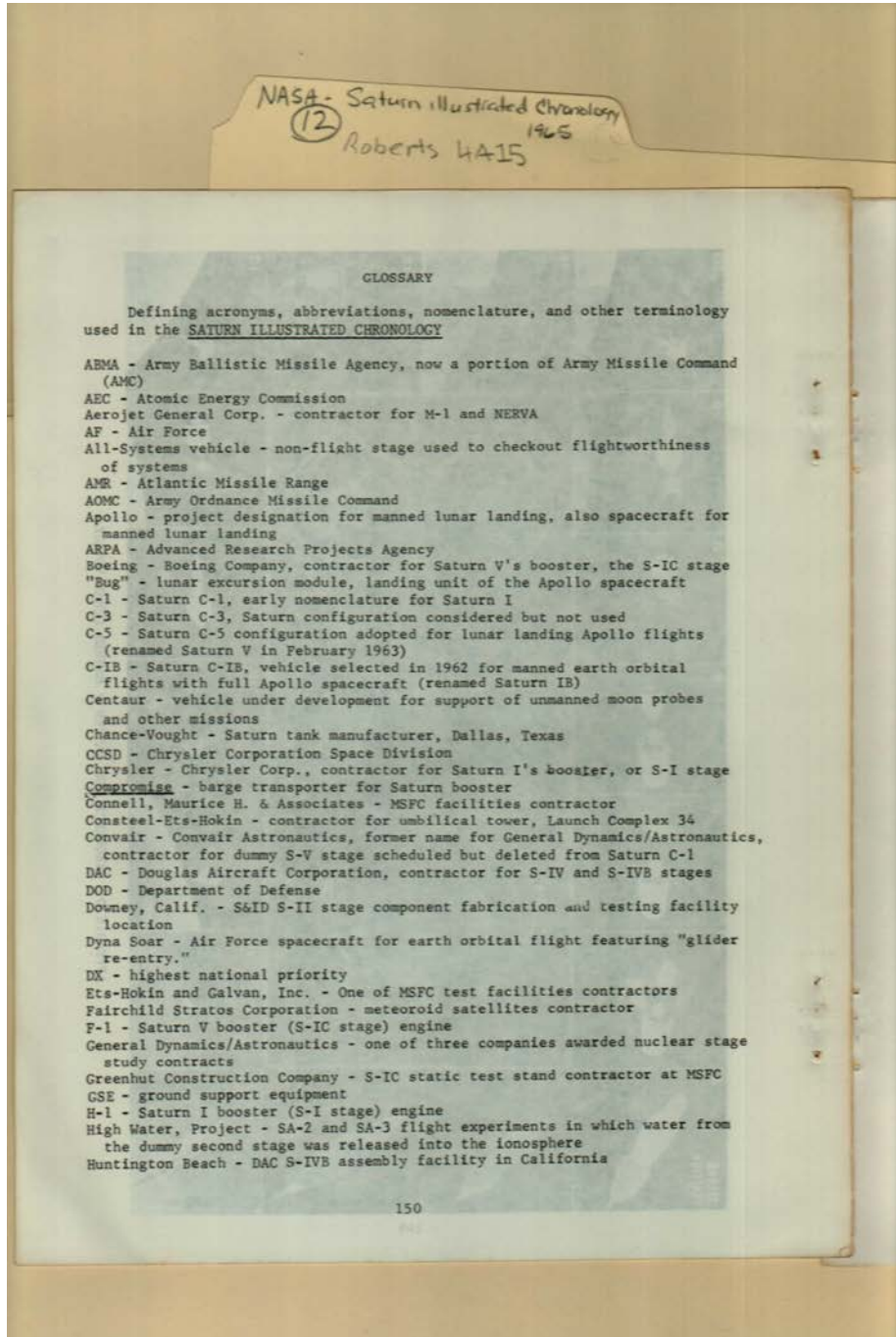
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Appendix D:
Sequence For

Saturn V Manned
Lunar Voyage

Types:

diagram

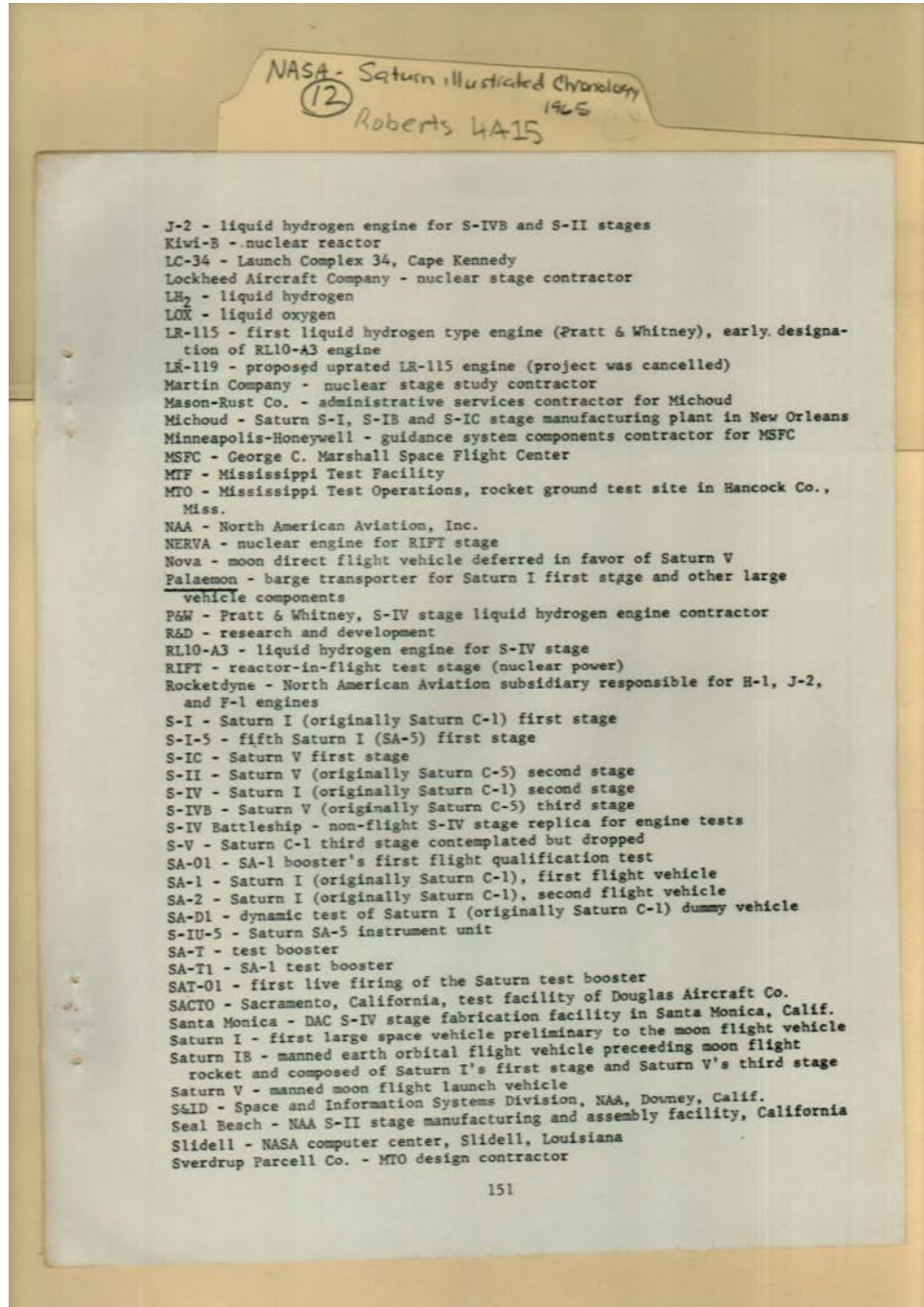


Names:

Glossary

Types:

list



Names:
Glossary

Types:
list

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