

APPENDIX B—INDEX

A	
Advanced Research Projects Agency (ARPA).....	1-3
Aft Interstage Assembly, Third Stage.....	5-2
Aft LOX Bulkhead, Second Stage.....	4-4
Aft Skirt, Second Stage.....	4-2
Aft Skirt, Third Stage.....	5-2
B	
Boeing Facilities.....	8-1
C	
Common Bulkhead, Second Stage.....	4-4
Common Bulkhead, Third Stage.....	5-2
D	
Douglas Facilities.....	8-3
E	
Edwards Field Laboratory.....	8-5
Engine Operation, F-1 Engine.....	3-9
Engine Operation, J-2 Engine.....	6-6
F	
Facilities.....	8-1
Boeing Facilities.....	8-1
Douglas Facilities.....	8-3
Huntsville Facilities.....	8-7
IBM Facilities.....	8-4
Kennedy Space Center.....	8-9
Mississippi Test Facility.....	8-8
North American Rocketdyne Facilities.....	8-5
North American Space Division Facilities.....	8-2
F-1 Engine.....	3-1
Bearing Coolant Control Valve.....	3-4
Electrical System.....	3-7
Engine Description.....	3-1
Engine Interface Panel.....	3-7
Engine Cutoff.....	3-10
Engine Operation.....	3-9
Flight Instrumentation System.....	3-8
Fuel Pump.....	3-4
Gas Generator System.....	3-4
Gimbal Bearing.....	3-1
Hydraulic Control System.....	3-7
Hypergol Cartridge.....	3-2
Oxidizer Dome.....	3-1
Oxidizer Pump.....	3-3
Pressurization System.....	3-6
Propellant Feed Control System.....	3-5
Pyrotechnic Igniter.....	3-2
Thermal Insulation.....	3-2
Thrust Chamber Assembly.....	3-1
Thrust Chamber Body.....	3-2
Thrust Chamber Injector.....	3-1
Thrust Chamber Nozzle Extension.....	3-2
Turbine.....	3-4
Turbopump.....	3-3
Final Assembly, Second Stage.....	4-5
Final Assembly, Third Stage.....	5-3
Fins and Fairings, First Stage.....	2-4
First Stage.....	2-1
Fabrication and Assembly.....	2-1
Fins and Fairings.....	2-4
First Stage Flight.....	2-16
First Stage Systems.....	2-7
Forward Skirt.....	2-4
Fuel Tank.....	2-2
Intertank.....	2-3
LOX Tank.....	2-3
Post-manufacturing Checkout.....	2-6
Stage Description.....	2-1
Thrust Structure.....	2-1
Vertical Assembly.....	2-5
First Stage Systems.....	2-7
Control Pressure System.....	2-14
Electrical System.....	2-11
Environmental Control System.....	2-15
Fluid Power System.....	2-11
Fuel System.....	2-7
Instrumentation System.....	2-12
LOX System.....	2-9
Range Safety System.....	2-13
Visual Instrumentation.....	2-15
Flame Deflector.....	8-12
Forward Skirt, First Stage.....	2-4
Forward Skirt, Second Stage.....	4-5
Forward Skirt, Third Stage.....	5-1
Fuel Pump, F-1 Engine.....	3-4
Fuel Tank, First Stage.....	2-2
G	
Gimbal, F-1 Engine.....	3-1
Gimbal, J-2 Engine.....	6-1
H	
Huntsville Facilities.....	8-7
Hypergol Cartridge, F-1 Engine.....	3-2

SATURN V NEWS REFERENCE

I		O	
IBM Facilities.....	8-4	Oxidizer Dome, F-1 Engine.....	3-1
Instrument Unit.....	7-1	Oxidizer Pump, F-1 Engine.....	3-3
Emergency Detection Equipment.....	7-7	P	
Instrument Unit Description.....	7-1	Pyrotechnic Igniter, F-1 Engine.....	3-2
Instrument Unit Fabrication.....	7-1	S	
Instrument Unit Systems.....	7-2	Saturn V Development Program Highlights.....	1-6
Instrument Unit Systems.....	7-2	Saturn Vehicle Evaluation Committee.....	1-4
Electrical System.....	7-7	Second Stage.....	4-1
Environment Control System.....	7-2	Aft LOX Bulkhead.....	4-4
Guidance and Control.....	7-3	Aft Skirt.....	4-2
Switch Selector.....	7-7	Common Bulkhead.....	4-4
Tracking System.....	7-6	Electrical System.....	4-12
Interstage, Second Stage.....	4-2	Final Assembly.....	4-5
Intertank, First Stage.....	2-3	Flight Control System.....	4-11
J		Forward Skirt Assembly.....	4-5
J-2 Engine.....	6-1	Ground Support.....	4-13
Control System.....	6-5	Insulation.....	4-5
Engine Description.....	6-1	Interstage.....	4-2
Engine Operation.....	6-6	Liquid Hydrogen Tank.....	4-4
Flight Instrumentation System.....	6-6	Liquid Oxygen Tank.....	4-3
Gas Generator and Exhaust System.....	6-5	Measurement System.....	4-11
Propellant Feed System.....	6-2	Ordnance System.....	4-12
Start Tank Assembly System.....	6-6	Propellant System.....	4-7
Thrust Chamber and Gimbal System.....	6-1	Structure.....	4-1
K		Systems Tunnel.....	4-5
Kennedy Space Center.....	8-9	Thermal Control System.....	4-11
L		Thrust Structure.....	4-2
Launch Complex 39.....	8-10	Ullage Motors.....	4-10
Launch Control Center, Kennedy Space Center.....	8-10	Silverstein Committee.....	1-4
Liquid Hydrogen Tank, Second Stage.....	4-4	Subcontractors.....	B-1
LOX Tank, First Stage.....	2-3	Boeing Subcontractors.....	B-1
LOX Tank, Second Stage.....	4-3	Douglas Subcontractors.....	B-2
M		IBM Subcontractors.....	B-4
Marshall Space Flight Center		North American Rocketdyne Subcontractors.....	B-7
Assignment of Saturn V Development.....	1-1	North American Space Division Subcontractors.....	B-7
Facilities.....	8-7	Super Guppy.....	8-4
Project Management Organization.....	11-1	Systems Tunnel, Second Stage.....	4-5
Michoud Assembly Facility.....	8-1	T	
Mississippi Test Facility.....	8-8	Testing.....	9-1
Mobile Launcher.....	8-10	Acceptance Testing.....	9-1
N		Automatic Checkout.....	9-2
National Aeronautics and Space Administration....	1-1, 11-1	Development Testing.....	9-1
North American Rocketdyne Facilities.....	8-5	Flight Testing.....	9-2
North American Space Division Facilities.....	8-2	Qualification Testing.....	9-1
		Reliability Testing.....	9-1
		Testing at the Launch Site.....	10-1

Third Stage.....	5-1	Ordnance Systems.....	5-13
Aft Interstage Assembly.....	5-2	Propulsion System.....	5-4
Aft Skirt Assembly.....	5-2	Telemetry and Instrumentation System.....	5-12
Common Bulkhead.....	5-2	Thrust Chamber Assembly, F-1 Engine.....	3-1
Fabrication and Assembly.....	5-1	Thrust Chamber Body, F-1 Engine.....	3-2
Final Assembly.....	5-3	Thrust Chamber Injector, F-1 Engine.....	3-1
Forward Skirt Assembly.....	5-1	Thrust Chamber Nozzle Extension, F-1 Engine.....	3-2
Propellant Tank Assembly.....	5-1	Thrust Structure, First Stage.....	2-1
Stage Description.....	5-1	Thrust Structure, Second Stage.....	4-2
Third Stage Systems.....	5-4	Thrust Structure, Third Stage.....	5-2
Thrust Structure Assembly.....	5-2	Transportation Route Map.....	9-2
Third Stage Systems.....	5-4	Turbine, F-1 Engine.....	3-4
Electrical Power and Distribution System.....	5-11	Turbopump, F-1 Engine.....	3-3
Environmental Control Systems.....	5-12		
Flight Control System.....	5-9	V	
		Vehicle Assembly Building, Kennedy Space Center..	8-10, 10-1

ADDENDUM

Flight History	12-1
AS-501 (Apollo 4)	12-1
AS-502 (Apollo 6)	12-2