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SMALL SUPERSONIC TUNNEL FACILITIES
PRELIMINARY MODELS DETERMINE SUPERSONIC INLET CONFIGURATIONS.
HEAT TRANSFER COEFFICIENTS ARE ALSO EVALUATED.
BASIC STUDIES OF AERODYNAMIC COMPRESSION
RAMJETS FOR MACH 3
TEMPERATURE EFFECTS ON BOUNDARY LAYERS
THRUST STUDIES OF SUPERSONIC INLETS
SUPERSONIC INLETS FOR BUZZ INVESTIGATIONS
DO NOT HANDLE

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SMALL SUPERSONIC TUNNEL FACILITIES
GENERAL STUDIES OF SUPERSONIC AIRPLANE CONFIGURATIONS
INLET AND EXHAUST INTERFERENCE STUDIES
ENGINE EFFECTS ON AIRPLANE STABILITY
LIFT DRAG RATIO MEASUREMENTS
DO NOT HANDLE

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CENTRAL DATA PROCESSING SYSTEM
DATA RECORDING AND PROCESSING
ENGINE
DAMPER ROOM
CADDE
1103
RAW DATA
REDUCED DATA
CONTROL ROOM
FAX PLOTTER
SCALE MODEL OF TYPICAL RESEARCH RAMJET

10 BY 10 FOOT TUNNEL
MODEL PREPARATION
SHOP
FLEXIBLE WALL ACTUATOR
MODEL PARTS READY
FOR ASSEMBLY

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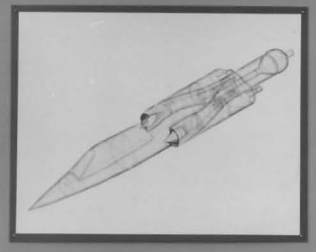
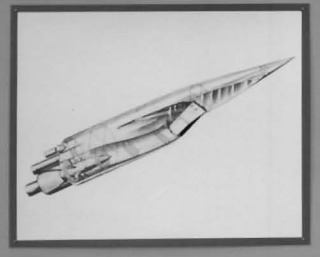
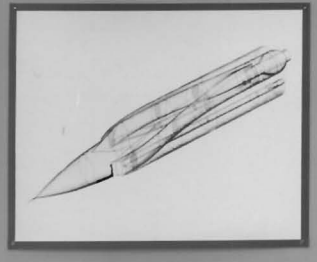
RESEARCH ON AIR INLETS

ILLUSTRATIONS SHOWING MODEL SUPPORT AND FLOW CONTROL ARRANGEMENTS







PROBLEMS OF SPECIFIC AIRPLANES ARE INVESTIGATED
IN ADDITION TO BASIC STUDIES

INLET LOCATION IS IMPORTANT

INLET DETAILS EFFECT PERFORMANCE

STUDIES OF INLET AND FOREBODY PERFORMANCE ARE MADE ON SPECIFIC AIRPLANE MODELS