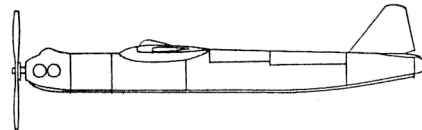
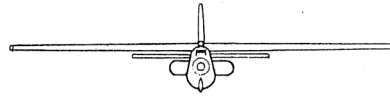
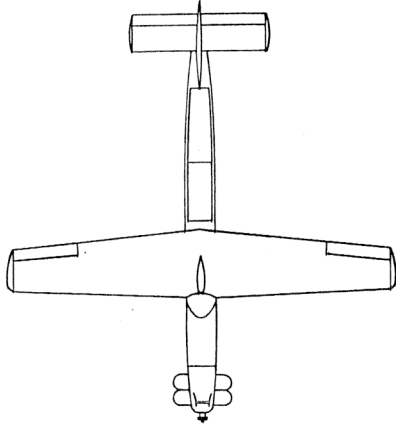


Characteristics Summary

DRONE OQ-19D



RADIOPLANE

Wing Area 18.7 sq ft Length 12.3 ft
 Span 11.5 ft Height 2.7 ft

AVAILABILITY			PROCUREMENT			
Number available			Number to be delivered in fiscal years			
ACTIVE	RESERVE	TOTAL				

STATUS

1. Design Initiated: Oct 49
2. First Ground Launched Flight: Apr 50
3. First Air Launched Flight: Aug 50
4. First Delivery: Oct 50

Navy Equivalent: None

Mfr's Model: None

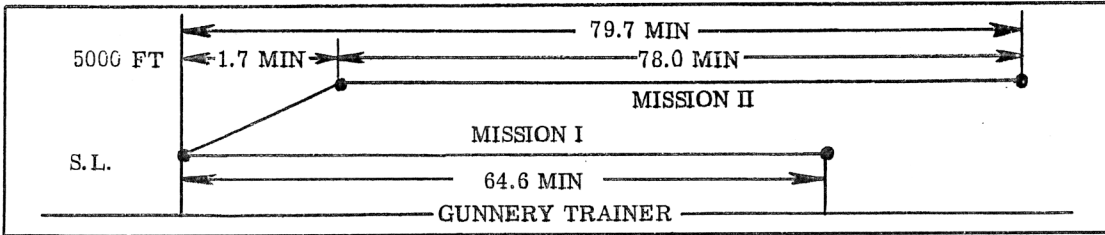
POWER PLANT	
(1) O-100-1 McCulloch	
THRUST RATINGS	
BHP-RPM-	SL - MIN
T.O: *72 - 4100 -	SL - *
Nor: *72 - 4100 -	SL-Cont
*Engine operates at full throttle at all times.	

FEATURES
Designed for Anti-aircraft Gunnery
Keel Alighting Gear
Integral Flotation System
Fuel Consists of a 10 to 1 Ratio of Gasoline and Oil
Max Fuel Cap: 11.3 gal

GUIDANCE
RADIO
Transmitter . . . AN/URW-3
Receiver . . . AN/ARW-26AY
CONTROL
Control System RPS-1
Aileron Gyro System E16A
Elevator Servo D-7

RECOVERY
38 ft Nylon Parachute
350 lb Test Suspension Lines
Rate of descent is approxi- mately 20 fps at 4000 ft alt. at a drone weight of 300 lb.
Ground release is auto- matic

Characteristics Summary Basic Mission OQ-19D



PERFORMANCE		
ENDURANCE	RANGE	SPEED
64.6 minutes at sea level or 93.9 min @ 10,000 ft (incl. climb)	190 naut. mi. at 179 knots avg. in 1.08 hours	MAX 179 knots at sea level, max power MIN 54 knots at sea level, max power
LAUNCHING	CLIMB	ALTITUDE
<u>Ground</u> Type A-7 Catapult with ATO unit mounted on rocket car or Model A-2 Rotary Launcher <u>Air</u> Suspended and launched from B-26C aircraft	3540 fpm sea level, launching wt., max power 2200 fpm 10,000 ft max power	S.L. to 20,000 ft (avg. operating range)
LOAD	WEIGHTS	TARGET ACCURACY
Fuel: 11.3 gal protected 0% droppable 0% external 0%	Empty 250 lb Launch 319 lb	Determined by visibility limitations for in-sight control

- NOTES**
- Performance Basis:
(a) Estimated data
 - Revision Basis: To reflect latest characteristics and performance data
 - Performance Reference: Radioplane Report 2030, "Substantiating Data Report for Pilotless Aircraft Characteristics Charts", dated 1 Oct 58.