

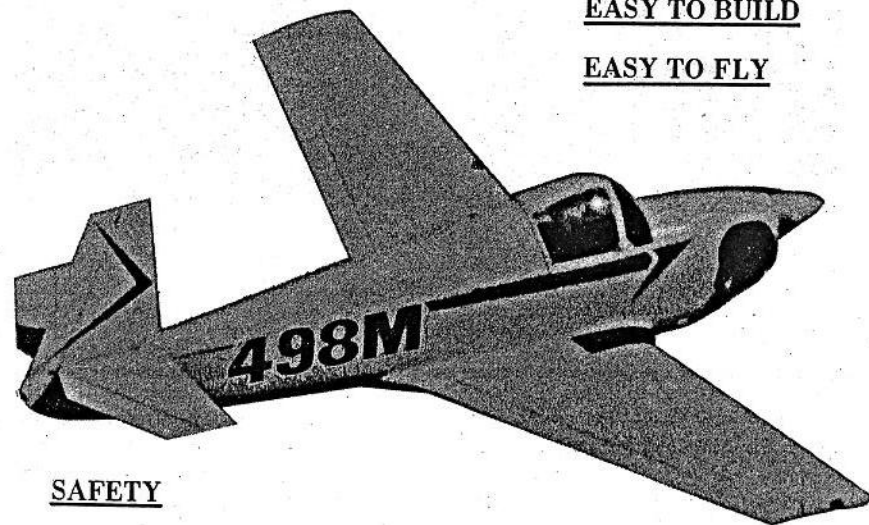
Mooney Mite

COMPLETELY ENGINEERED

DETAILED PLANS

EASY TO BUILD

EASY TO FLY



SAFETY

ECONOMY

RELIABILITY

the most

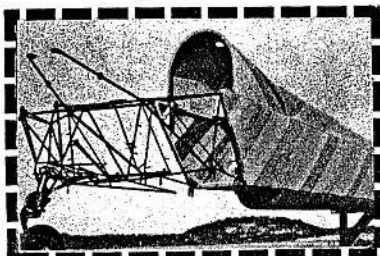
fun airplane

ever built!

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Charlottesville, Virginia 22903

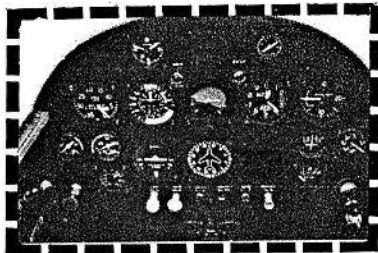
1970

utility
comfort
safety



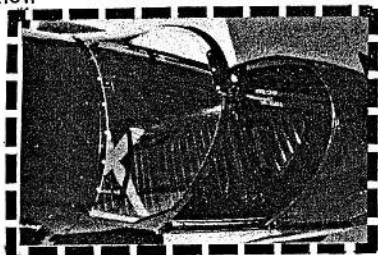
construction

speed
economy
easy to build



panel

it's easy to fly



cabin interior

cruises 130 m.p.h.
gets over 30 miles to the gallon

The new cabin pampers the pilot. Roomier inside than ever, the Mooney Mite offers luxurious easy-chair comfort for even the biggest man. There's more headroom, more legroom, more room side-to-side. The seat is adjustable and is contoured of foam rubber and no-sag springs, and is covered with beautiful vinyl plastic.

The cabin is heated, soundproofed, and lined with a new plastic-covered insulating blanket.

The instrument panel has been enlarged to make provision for optional radio equipment and instruments.

The huge baggage compartment behind the seat carries 40 lbs.

The new windshield and canopy are made of thicker Plexiglass, providing a sturdier and quieter installation.

Pilots and owners rejoice in the safety, utility and handling ease of the Mooney Mite. Anyone licensed to fly can fly the Mite without special licensing or training.

Superb construction and selection of materials result in the most economical maintenance possible, and choice of the famous Lycoming engine is assurance of factory replacement parts everywhere.

The Mite is built along the lines of Britain's famous "Mosquito" Bomber: a superb balance of fine materials especially chosen for use where each offers its own particular advantages. This construction affords extra safety in a tubular steel framework surrounding the pilot's compartment.



The Mite is a show stealer wherever it goes! B.F. Torrance, California

SEE WHAT OWNERS SAY

I'm going to keep this one until it passes to my heirs! H.G. Milwaukee, Wisconsin

The Mite was still climbing 250 to 300 fpm when I passed 19,800 when the wife called me back to lunch. C.C. Palm Springs, California

I'd sell my Mooney Mite for only \$20,000 to someone who will keep it in a gold-plated heated hangar and only fly it off a diamond runway. C.C. Kerrville, Texas

The Mooney Mite—Without Doubt—is more Fun than should be legal. J.D. Phoenix, Arizona

The Mite is a dream to fly. F.S. Camden, Ohio

I passed through 21,000 feet and it was still climbing over 100 fpm. G.L. Arlington, Virginia

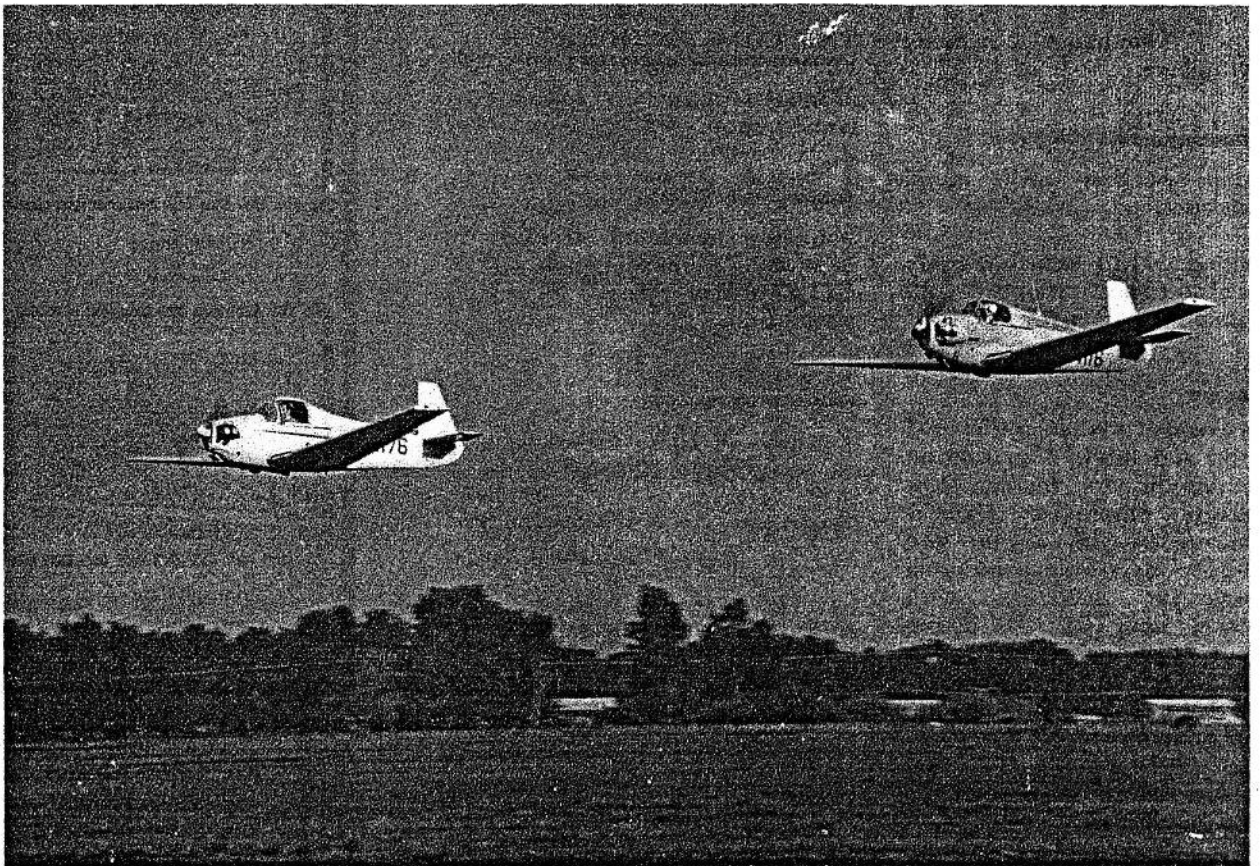
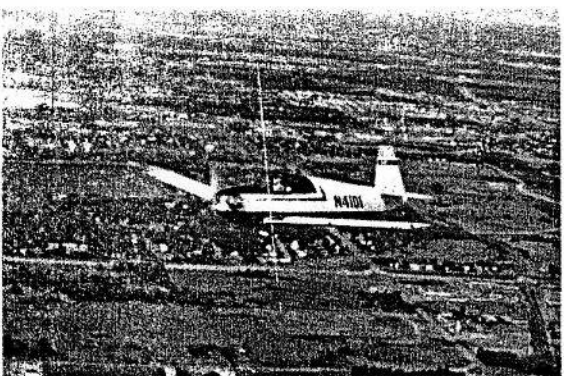
The Mite is a very responsive airplane. It must be the way you wear it that makes you feel you can do anything with it. N.M. Elk City, Oklahoma

Just got back from a trip to Texas from Charlottesville, Va. Flew just over 2500 miles round trip on \$31.68 worth of gasoline. F.Q. Charlottesville, Va.

This Mooney Mite is a sharp, economical, high performer. Easy and thrilling to fly. Of the light planes I've flown, there is none to compare to this one for ease of handling and just genuine flying contentment. P.H. Lisbon, Maine

I have flown my Mite over 40 hours in the past couple of months, so you know I am enjoying life. G.S. Peoria, Illinois

Flying the Mite cannot be described unless a person is a writer, it has to be experienced. H.H. Winchester, Va.



The nation's flying doctors, businessmen and farmers are all up in the air about the new Mooney Mite. It's the most personal, most timely airplane ever built! The single-place Mooney Mite offers big plane speed, safety, stability, utility and comfort at a cost anyone can afford. On the ground and in the air, the Mooney Mite sets new standards for flying businessmen and farmers, demands less attention and gives more dependable performance than any comparable business plane at the present time.

MOONEY MITE

Type: One-place low-wing monoplane

FUSELAGE:

Cabin Section: All metal construction.

Welded 4130 chrome-moly steel tube frame with aluminum skin covering.

WING:

Low-wing fully-cantilevered wood and fabric construction of modified, laminar-flow design employing NACA sections 64-415 at tip and 63-215 at root. Laminated single-spar structure with torsion box (01 "D" type) construction is used. 95 sq. ft. area

FLAPS:

Narrow chord type spanning 70% of wing.

Total area is 10.54 sq. ft.

AILERONS:

Differentially operated with 6.62 sq. ft. area.

TAIL EMPENNAGE:

Laminated wood construction with variable incidence for trim. Fabric covering over wood adds protection for weathering.

All control surfaces are of welded steel frame construction with fabric covering. All gaps between control surfaces and attaching members are sealed to reduce drag.

TAIL CONE SECTION:

Monocoque plywood construction.

LANDING GEAR

Manually retracted tri-cycle type using rubber doughnuts in suspension for shock absorbtion.

POWER PLANT:

Engine: M-18 M-18X Lycoming Model Models O-145-B2

Propeller: M-18X Sensenich Models Model 66CB54

WEIGHTS AND LOADINGS:

Maximum Gross Weight 780 lbs.

Empty Weight 505 lbs.

Useful Load 275 lbs.

Maximum Baggage Capacity 40 lbs.

Useful Fuel Capacity 11.4 Gals.

Auxiliary Tank 6.0 Gal.

Wing Loading 8.21 lb/HP

Power Loading 12.0 lbs/HP

PERFORMANCE:

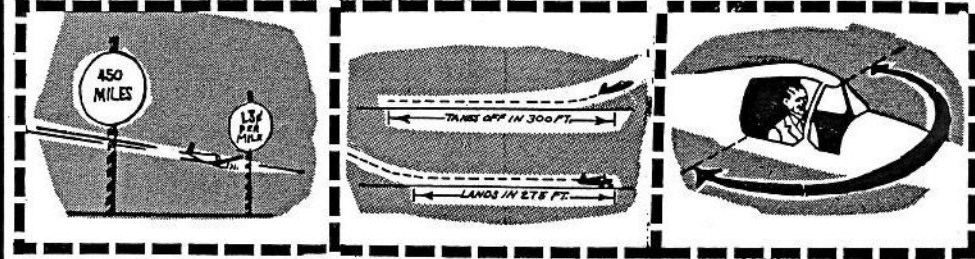
Red Line Speed 143 mph

Structural Crusing Speed 114 mph

Stalling Speed 43 mph

Range with Aux tank 600 miles

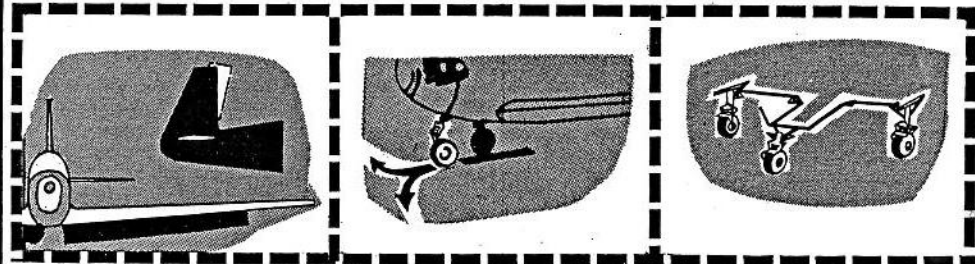
Rate of Climb 1000 fpm



cruising range

short take-off and landing

visibility



trim and flaps

steerable nose wheel

landing gear

here are the important SAFETY FEATURES in the Mooney Mite

Powered by the Lycoming 65 h.p. engine famous for economy and dependability, and equipped with an all-available 14-gallon tank, the Mooney Mite has a cruising range of 450 miles, and flies at an average cost of 1.3 Cents per mile! Discounting *indirect costs* and time savings en route, this compares with 3.6 cents per mile for the average car on the ground.

It lands easily at main airports or out-of-the-way strips. It's easy for one man to move about on the ground, unaided. It flies beautifully at 10,000 feet and can go to 21,000 feet with ease.

The Mite lets you go where you're needed—and be home again at night!

You can keep *two* Mooney Mites going—or even *three*—for the cost of maintaining only one airplane of different design.

In the air and on the ground, the Mooney Mite gives excellent visibility in all directions. Its uncluttered contours let you see where you're flying or taxiing.

In one simple adjustment, integrated controls trim the entire tail assembly, altering the angle of the horizontal stabilizer. Coordinated flaps slow you down in flight to speeds as low as 50 m.p.h. so that you can safely drop in on any convenient strip. Tricycle landing gear (with steerable nose wheel) lets you taxi about with the greatest of ease. This same tyicycle landing gear gives a bonus of added flying on windy days, when tail wheel models are forced to stay indoors.

The Mite's exclusive landing gear is manually retracted and is fool-proof and foul-proof.