

While stationed in England during World War II, I spent some of my free time riding my bicycle, visiting many of the small airfields which dotted the British countryside. It was there that I first saw large numbers of de Havilland Tiger Moth trainers being used to teach future Spitfire and Hurricane pilots how to fly. I can still recall how slowly the Tiger Moths made their circuits and bumps, and still

wonder at the bounces their landing gear were able to survive. It was then that I realized how great a primary trainer the Tiger Moth was.

Over the years, I read every aviation history book I could find, and discovered that the Tiger Moth was really an outgrowth of the first aircraft named Moth, powered by a de Havilland Cirrus engine. The aircraft company had taken one of their 8-cylinder, V-type engine, and liter-

ally sawed it in half, then installed it in the trainer they had just built. This re-designed engine provided 60 horsepower at 290 pounds. The name Moth was given the new trainer because of Captain de Havilland's avocation as a lepidopterist (collector of beautiful, unusual butterflies and insects).

The correct de Havilland designation for the Cirrus Moth was D.H.60. It had straight wings, mounted directly over

each other, which also folded for ease of storage. The first flight of the Moth was made by de Havilland at Stag Lane, England, in February of 1925. One year later, the first Moth seaplane was equipped with all-metal floats, and flown to the United States for possible production in this country. One Moth was even equipped with a single float and a Short amphibian undercarriage.

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DE HAVILLAND TIGER MOTH



England and
Canada's Primary
Trainer Has Always Been a Popular
Model Subject

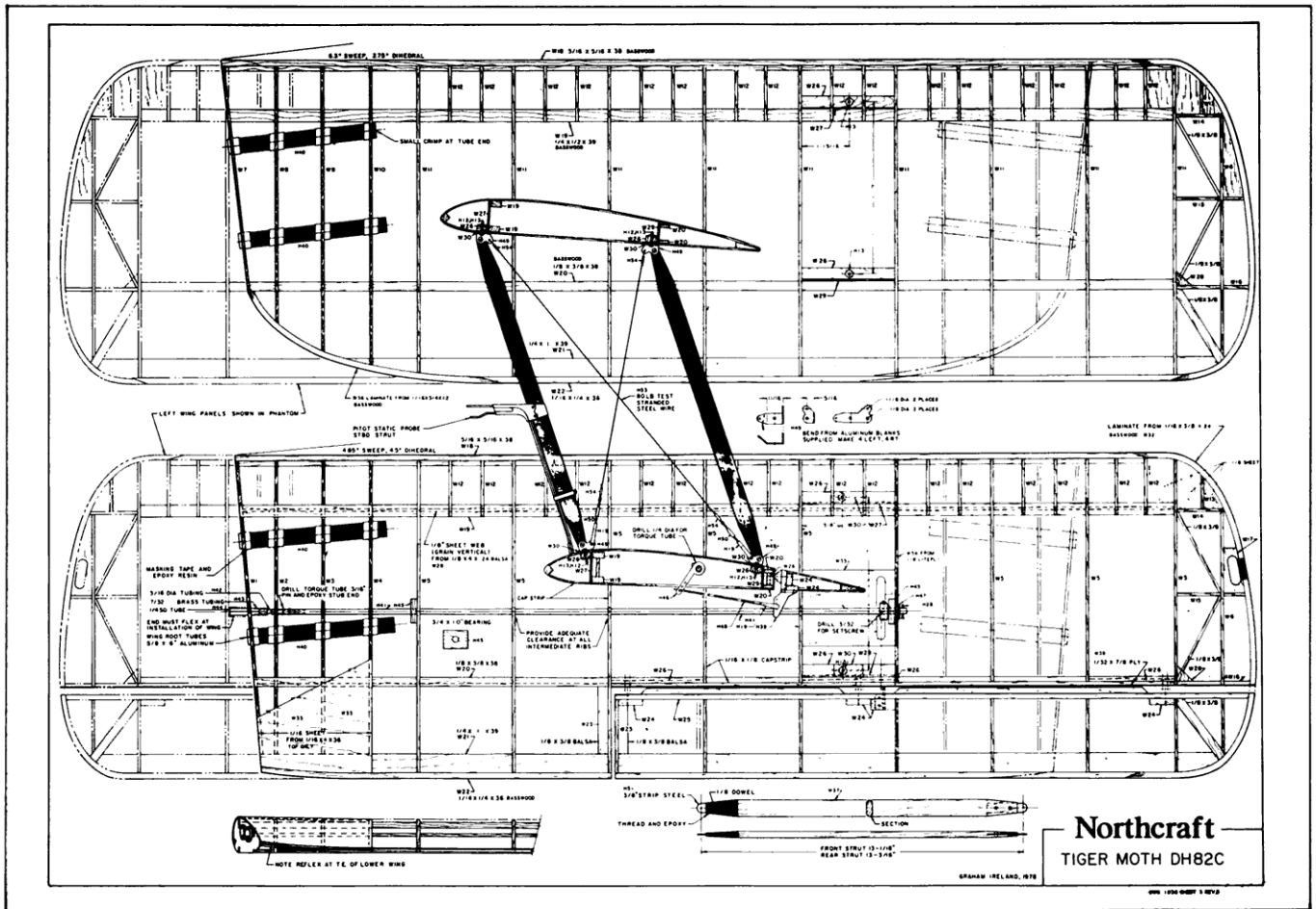
By Pete Chaput



Willie McLaughlin of Terra Cotta, Ontario built his Moth from a Northcraft kit. Willie is an active Canadian full size professional pilot, and has thousands of hours in many different Canadian and American aircraft.



Jim Morrow, of Riverside, California has been campaigning his DH-82 for several years and has qualified for the Masters in the past because of the Moth's good flying ability.



TIGER MOTH

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In 1987 there were still two Moths flying in England, having been preserved by the de Havilland Moth Club.

By 1928, Moths were in service in many other countries as well, including Africa, Australia, and Canada.

In 1927, the name Tiger Moth was applied to a small racing-type test-bed, designated the D.H.71, and was the vehicle used to flight-test the engine which would become the standard in England's training fleet, the 135 hp Gypsy Major, and in this installation, the engine was installed inverted, to provide more ground clearance for the propeller, and other considerations as well.

The first Tiger Moth D.H.82, as we know it, was test-flown in 1931. At the insistence of the Air Ministry, for safety's sake, the struts were re-located, and the wing swept back, so that the occupant of the front seat would stand some chance of getting out of the aircraft, in case of an accident. In the early days of England's training command, nose-over accidents were quite common.

When England entered into World War II, production of Mosquitos was considered a very high priority, and soon, all

of de Havilland's Hatfield manufacturing plant space was needed for that purpose, and building of the Moths was transferred to Morris Motors. By 1945, over 8,000 Tiger Moths had been built.

During the early years of the war, license had been granted to de Havilland of Canada to re-design the Moth to adapt it for local conditions, and the result was the D.H.C. 82C. During this time, the constant threat from enemy vessels in the North Atlantic prevented the shipment of Gypsy Major engines, so an in-line Menasco, available in North America, was substituted. In fact, the Tiger Moth underwent so many changes, including the installation of cowlhing hinges, re-location (more forward) of its landing gears, and the addition of a cold-weather hatch, that a new designation, that of 82C was assigned to the trainer.

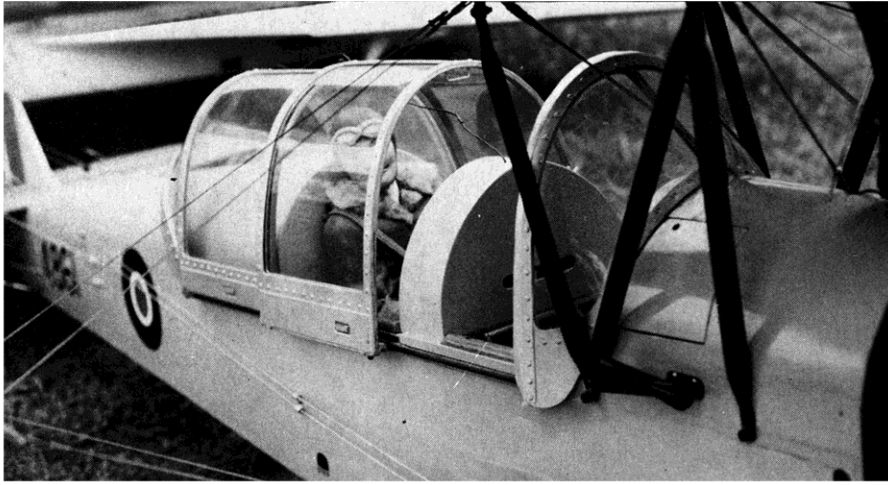
In 1942, 200 of these aircraft were built by the United States as PF24s, then turned over to the R.C.A.F. for their training program.

There is no mistaking the shape of a de Havilland; its distinctively-shaped rudder was retained on almost every one of

them built, from the earliest models to the latest. They were built in every conceivable configuration, from single-engine models, to twins, to four-engine biplanes, and every single one of them was pleasing to the eye.

Scale modelers discovered the Tiger Moth many years ago, and many are built and flown each year by enthusiastic hobbyists. Modelers in Southern California who attend any of the large number of meets and contests there are undoubtedly familiar with one of the best-known local Moths, the Tiger Moth owned and flown by Jim Morrow, of Long Beach, California. A veteran of several years flights, Jim's Moth bears the yellow, blue and red colors, and distinctive markings of the Swedish Air Force, one of the countries which was licensed to build the Moth by de Havilland.

There are many plans and kits in a large enough variety of sizes available to satisfy everyone. The plans being featured, this month, are from Northcraft Hobby Products Inc., 115 Industrial Avenue, Box 419, Carleton Place, Ontario, Canada K7C 3P5. This firm offers plans and parts, as well as complete kits for this historic, great-flying aircraft. Hobby Shack also offers several different kits of the Moth, as do a number of other model companies. ●



The Canadian version can be spotted because of its canted forward landing gear and cockpit cover.