

## AT A GLANCE

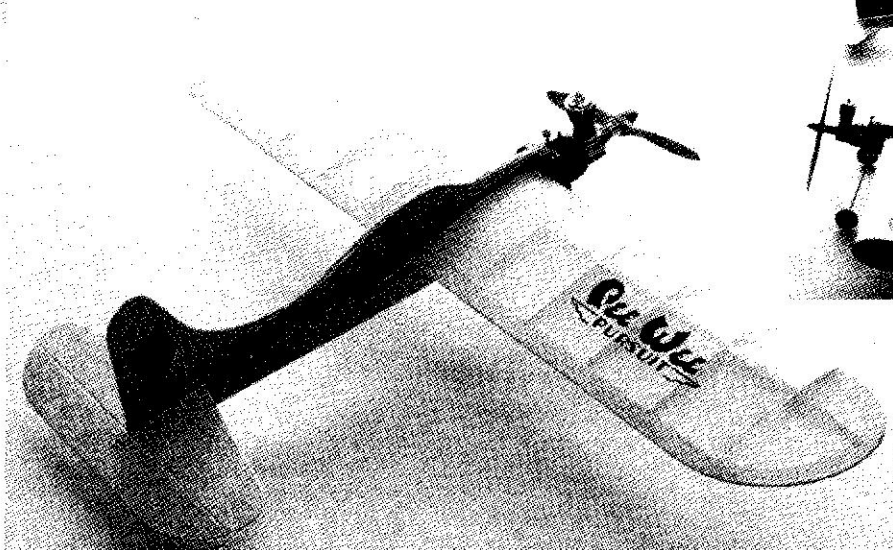
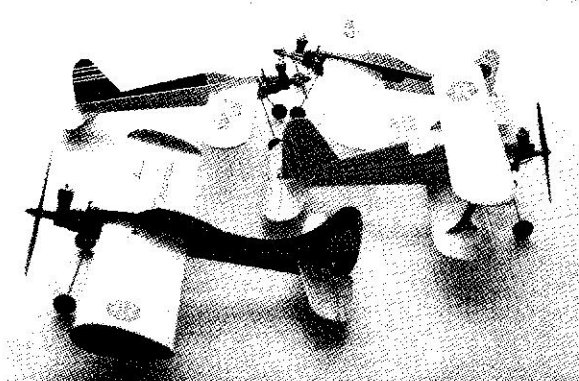
Type:	C/L Stunt
Construction:	balsa/ply
Wing span:	20" (Pursuit), 18" (Pup)
Airfoil:	flat plate or 3/32" wing stock
Length:	14" (Pursuit), 14.5" (Pup)
Weight:	4.75 (Pursuit), 4.5 (Pup) oz
Wing loading:	9.7 oz./sq.ft (Pursuit), 12.8 oz./sq. ft. (Pup)
Wing area:	70 in <sup>2</sup> (Pursuit), 51 in <sup>2</sup> (Pup)
Engine:	Cox .049 reed valve
Line Diameter/length:	27-32' lines use 1/2A line, or Spyder Wire fish line

Besides the difference of canopy and turtle deck, the two 1/2A ships had different sized wings. The *Pursuit's* wing was larger, and the *Pup's* smaller, with a higher aspect ratio.

The next model to follow, the *Pup*, was quite innovative in that it represented the most for the least ever offered before or since. Here was a 1/2A control line trainer offered at the unbelievable price of 75 cents! It was so unbelievable that the price jumped to 95 cents shortly thereafter. It is to be noted that on the plans for these models there was no reference or drawing of the standard control line bellcrank assembly. This meant that no royalties had to be paid to Mr. Jim Walker who possessed the patent on the U/C bellcrank at that time. In the renowned lawsuit with Leroy Cox in 1956, Jim Walker lost the rights to the patent on the bellcrank system of control and it was free to be used by everyone.

Joy Products also produced a good looking little profile 1/2A freeflight called the *Nomad*. Boy, it was one, too. I built one as a kid and lost it along with my favorite Cub .039 on the first flight. Engine timer? Why those things cost as much as a whole model kit! DT? What's that? Didn't see anything about that on the plans. I never saw it again. We all have a story like this, don't we?

The last model in this series was a good little U/C performer called the *Thunderbug*. The major differences between the *T-bug* and its predecessors were a larger wing area and a bigger, effective stabilizer/elevator as-



This bevy of profile models (above) are all the Joy Products' models that were introduced in succession, after the first 1/2A engine was introduced in 1949. They include, clockwise from the top left, the *Pup*, the *Pursuit*, the *Stunt Runt*, and the *Thunderbug*. Yup, that is a built-up wing on one of the three *Pee Wee Pursuits* (at left) Bill built. He decided to try the model with a 14% thick symmetrical wing. But the plans show the slab wing of the original design.