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Subject: 64 Lancer 850 - Shaping the Wing's Leading Edge

Report No. 64

New Cyclone Lancer 850

February 16, 2018

Today was spent carving and sanding the 3/8" X 1" block balsa leading edge into its final shape. I used the Personna knife which I have mentioned the before, but for some who may not have seen it I will show it again. Sometime ago the late Karl Gies gave me tip on a knife that he used to carve balsa props with for his rubber models. It is called a "Personna Pro" and is shown below. Its extendible blade is scored and after the first segment gets dull, it is intended to be broken off and the next fresh segment is available. However, Karl did not use the individual segments. Instead he used the entire extended blade, which is very sharp, for carving. Well, this is an ideal knife for carving the Lancer 850's 83" long balsa leading edge.



Sue took this picture of me carving on the wing's 3/8" X 1" leading edge.



I always carve in small slivers a little bit at a time much like a barber cuts hair. As a result, it takes a long time and creates all kinds of balsa shavings as shown below.



This is a close up showing the left wing panel's shaped leading edge.



The finished wing was weighed by placing it on the Acculab scale below.



The uncovered wing structure weighed in at 401 grams or 14.14 ounces as shown below, which is 22% of the model's total 64 ounce weight.....Tandy

