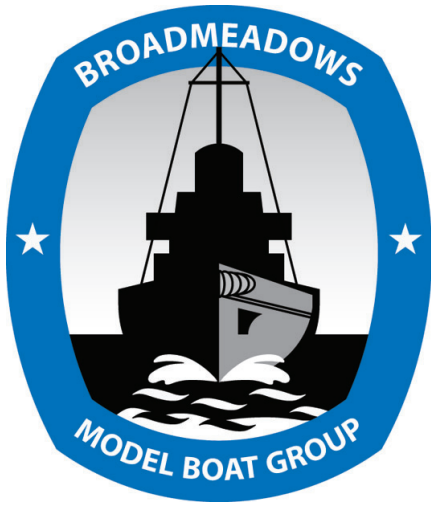


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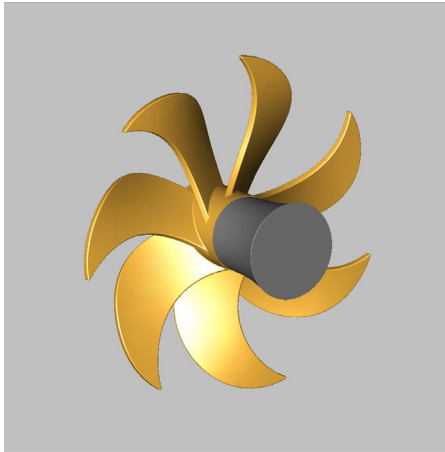
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NEWSLETTER

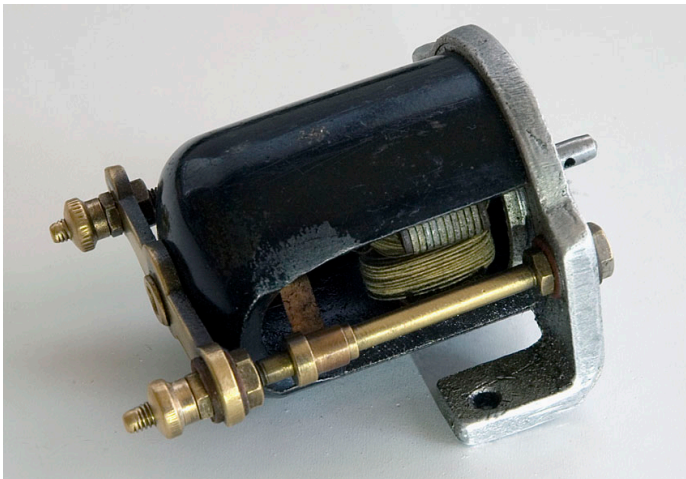
<http://www.bmbg.org.au/>

Ensign's report 1st February 2016

This 7-bladed scimitar prop has replaced the less appropriate one on my sub drawing (refer last newsletter). In order to extend my 3D drawing skills, I make the offer of attempting to draw any model boat fitting etc. you might want to make by 3D printing. (Terms & Conditions apply.)



Wilco, over and out




THAT'S SPEED - THAT WAS

You've got to see this **MOTOR BOAT ENGINE** working to appreciate the speed it develops. It's a racer! Just the sort of thing you want. Runs quite cheaply from an ordinary Torch or Flash Lamp Battery. Send for one before you forget. Easy to fix. Can also be used for driving Meccano Models.

and only 8/6
Post Free

Postage abroad 1/- extra.

L. WILKINSON, 8, City Road, London, E.C.

Readers will remember that I placed a wanted notice for a pre-war Wilco motor in the newsletter for Feb. 2013. Well you can stop looking, I've just acquired this fine example circa 1935. 8/6d then is equivalent to £27.13 (A\$56) now!

Taming a Piranha

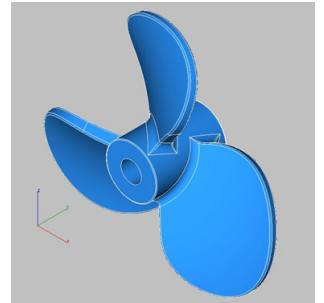
Congratulations to Stephen, whose long saga of building Vic Smeed's Piranha appears in the February Model Boats issue.



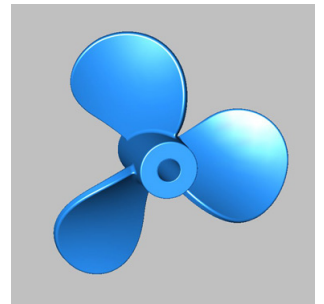
3D printed propeller trials

Some of us have been involved recently designing and making 3D printed propellers.

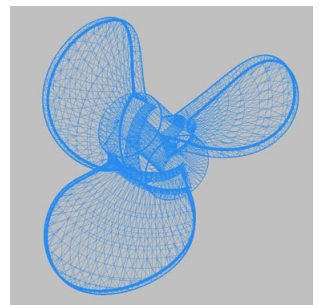
The process begins with consideration of the many variables - blade shape and area, set angle and amount of twist, cupping and taper, and an attempt to draw a propeller with these features.



Through gradual refinement the drawing is developed into something approaching the desired result. Here the material has been trimmed down and the clumsy filletting reduced.



The CAD file must be converted to an STL file for it to be printed. It is here that problems are highlighted, requiring repair of the mesh, before the file can be sent to the printer.



The resultant printed propeller does not have a high surface finish, but it can be improved by hand finishing. Performance testing so far is "encouraging" according to Alan.

(Thanks to John E. for the photo and propeller printing.)

