

The Amateur Yacht Research Society

Some Members' Projects

'Newt' - A Totally Amphibious Land Yacht

Tim Glover

The problem to be solved was how to sail on land and also on water. Let me explain. Where we go sailing is on an estuary in North Wales that is tidal. So when the tide is in I sail my Hobbie Cat and when it is out I sail my Mk. V1 home made land yacht. (pic.1) However when the tide is either half in or half out I am stuck. My dream was to build an Amphibious Land Yacht I could sail at any time. Some time ago at an AYRS meeting I met Kim Fisher. He had some large 52" dia buoyant wheels that he no longer required. (pic. 2) Being given these wheels saved me a considerable amount of time and expense.

These wheels were then fitted to my Mk V1 land yacht. (pic.3) They worked well in water but not on land, because of their shape they sank into the sand. So 4" wide flat tyres were fitted. (pic. 4) These worked well on land (pic. 5) and also they worked in the water. (pic.6) The next task is to modify the wheels further so that they can run over very soft sand.



AYRS - *Where the ideas are !*

Membership and other enquiries to: AYRS, BCM AYRS, London WC1N 3XX, England
Tel: +44 (1727) 862268; Email: office@ayrs.org; Website: <http://www.ayrs.org>