Schools Design Prize 1981

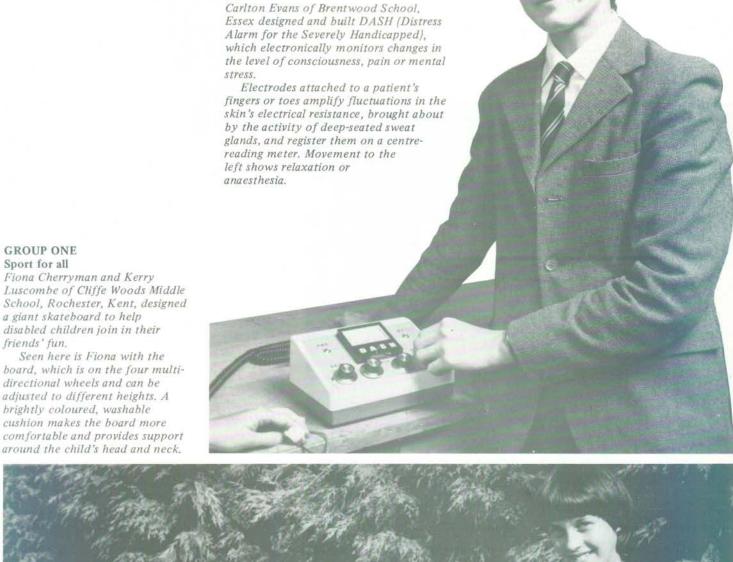
Once again a distinguished group of winners emerged from this year's competition and were presented with their cheques and certificate by the Prime Minister, Mrs. Margaret Thatcher, at a ceremony at the Institution of Civil Engineers, on 9 December 1981, before an invited audience of educationalists, industrialists and the press.

Readers of Studies in Design Education Craft and Technology, many of whose pupils have entered successfully for this competition in recent years, will be interested to learn of the 1981 winning entries so we are including a selection of annotated photographs that virtually speak for themselves.

GROUP ONE

Aquarium breeding tank David Chorley, of Ifield Comprehensive School, Crawley, designed a breeding tank to clip on the edge of an aquarium. It contains a small trap, in which the pregnant fish is placed. When the young fish are born, they fall through slits at the base of the trap into the breeding tank so that the parent fish cannot eat them.



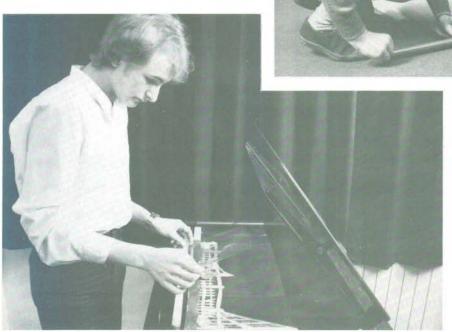


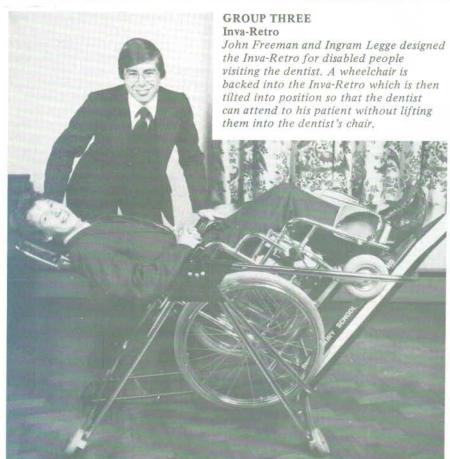




Below: GROUP THREE

Improved animation table for the amateur Keen cartoonist Anthony Benson of John Rigby Sixth Form College, Wigan found his home-made equipment too limited for the advanced techniques he wished to try, yet the professional tables were out of his price range. He designed and made an animation table which incorporated some of the professional features. The glass lid is pivoted so that it stays at a fixed height when lifted, leaving both hands free, and when put down clamps the drawing or cells firmly in place. The background scenes can be moved independently using rollers on either side of the table, and a sliding peg-bar allows the cells to be moved precisely to the left or right.







Above: GROUP THREE Play structure for young children

This blue and yellow play structure, designed by Amanda Grace, of Manshead Upper School, Luton is intended for pre-school playgroups. It is adapted and dismantled easily, folding up for easy storage.

Below: GROUP THREE A design you can count on

A local printing works gave Jonathan Cameron the brief for his A-level project at Edlington Comprehensive School, Doncaster. They wanted a cheap, portable and easy to use device which would count paper.

Jonathan used a battery-powered electric pick-up from a record player, which he housed in a T-shaped glass reinforced plastics case. When the pick-up is run down the edge of a pile of fanned-out paper, the pulses created are counted and register on a liquid crystal display.

