

Palliser boss Hugh Dibley extols the virtues of the smart WDB2 to the Editor.

THE PALLISER WDB2:

Driving a Formula Atlantic

By SIMON TAYLOR

As far as single-seater racing goes, 1971 looks like being the 1600 cc year. Already we have Formula 2 and Formula Ford with this engine capacity, although at opposite ends of the power and expense scales; next season these will be joined by the new Formula 3, and in this country by the latest class from John Webb's fertile brain, Formula

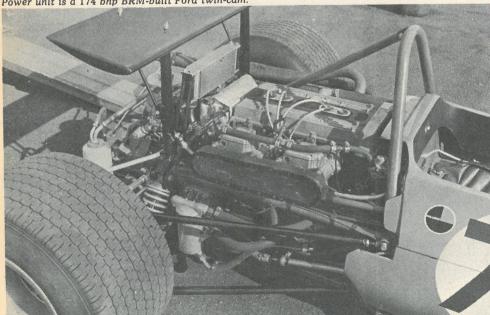
Shortly after Formula 5000 was announced two years ago I track-tested an early adaptation for that class, Robs Lamplough's Lotus 43. When Hugh Dibley, boss of Palliser Racing Design, offered me a ride in his works development Formula B car it instantly appealed as, although it lacked the last 25 bhp or so that the BDA-powered Atlantics will enjoy, it was in every other respect similar to what Atlantics will be like next season.

The car I tried, the Palliser-BRM WDB2, is the product of a London single-seater manuPhotography by PETER BURN

facturer which has only recently started to come into prominence in this country, but in the USA it has been a popular marque for some time, and in fact something like 100 Pallisers have been sold on the other side of the Atlantic. Over there they are retailed by Bob Winkelmann (brother of Roy, the famed Formula 2 entrant) and are known as Winkelmann-Pallisers; most have been Formula Fords, but there have also been several Formula B chassis.

Palliser is Hugh Dibley's middle name: he is seen less around the circuits these days and is more often up in the air following his other profession as a BOAC airline pilot, but he used to be a very quick man, first in Lola Formula Juniors, then in a Brabham BT8 sports car entered by Stirling Moss, and later in a Lola T70. Back in his Formula Junior days Hugh got to know Len Wimhurst, who was then working with Lolas and later

Power unit is a 174 bhp BRM-built Ford twin-cam



Current Palliser single-seaters, apart the F5000 and the Supervee, which use some VW parts to comply with the lations, are basically the same : a neat s space frame of 16 and 18 gauge round square steel tubing, with front and suspension following current racing pra in using top and bottom wishtiones at front and a single top link and reversed wishbone at the rear with radius rods following current fashion, recently the top wishbones on the works development

became works foreman at Brabh

ments got properly under way in n

fascinating yard in North Street

which also houses Davrian, Gropa

Burt Ray, Jag saloon racer Albert

and until recently Gerry Birrell and

tyre business. These days the Pallise

shop is a hive of activity producing

Fords, Formula Bs, the occasional F

expected to get under way in next season, and is already gaining po

a new car for Formula Supervee (

in the States) and even a monocoque p

5000, while a 2-litre sports car is on

way. At the busiest time of the year pr

tion is something like five cars a week

first Palliser was a one-off

built for Hugh in Len's back about two years ago Palliser Racin

has been replaced by a much more with based link whose rear arm is steeply and back towards the cockpit, but the geometric remains unchanged and the mod has me no measurable difference.

A large number of parts often bought by other manufacturers are made by exclusively for Pallisers, like the magnesic uprights, the smart wheels which are sold to other manufacturers like Daren components like driveshafts, suspension b oil pumps and even steering racks. chassis, like that of so many other Brit single-seaters, is made for Palliser by Motors, and the smart and distinctive glas fibre body, with its downward-curving no

and ducted air intake, is the work of Steven

Moulding Developments. The Formula B works development has had a couple of successful club outings Dibley's hands in this country recently, last weekend it was busy in an FB even at Sebring. It looks very smart in oran with black nose fins and rear wings, while it was wearing at the time of my test follow a race at Lydden Hill, when Hugh won equalled the outright circuit record. have been working closely with BRM will their Formula Ford cars, which have be having a lot of success this year in hands of Peter Lamplough, Bob Evans Vern Schuppan, and it therefore comes as surprise that the works B car is fitted a BRM-built Ford twin-cam unit, interesting using Dell'Orto carburetters rather than customary Webers. This engine shows a second 174 bhp on the brake and, though I was ass to observe a rev-limit of 8100 rpm during trial, it can be taken quite a bit higher

The gearbox now fitted is the FT200, compact five-speeder that Hewland develo for the current Formula 2; a lot of Form B-type twin-cam cars use the less soph cated Hewland Mk 8, but with the sort outputs now being gained from these engine

Magnesium front upright and redundant pl up point from earlier short top wishbone.



Mk 8 is apparently a bit marginal. Tyres drove the car were Dunlop 342s, 11.60 fronts on 9 ins rims and 5.50/13.60

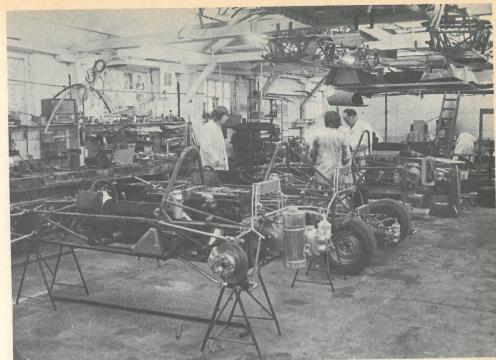
on 12 ins rims. venue for my trial was Snetterton, on d, blustery day that threatened rain. the first problem when testing an the make car is getting into it, ice selling single-seaters to well-fed nce senting single scatters to well-red in the Palliser having unusually roomy cockpit, which incidentally dy complies with the international 1971 cockpit size rules, and my 10 ins needed quite a bit of padding to

was expecting the car to feel very powerwas expecting the propel about 9 cwt, but fact the impression was more of smooth e, with lots of urge from 5000 rpm, while the engine would pull happily from nuch lower revolutions. Deceptively, however, the power was very much there, although optimum gearing for Snetterton's Norwich Straight and with its big wings and wide tyres the car would rush up to the equired rev limit of 8100 in fifth by about halfway along that long straight and not want to go much faster. This was only my second sampling of the FT200 box, and it really is a delightful artifact: provided that the revs are right the little lever goes nick-snick from gear to gear in a most satisfying way. Coming out of the hairpin in second the power really told, with the rev-counter needle whisking round the dial in each gear so that one was comfortably in fith well before braking and dropping to fourth for the Esses.

This is a double corner which certainly sorts out the men from the boys: the men would naturally manage to take the whole sequence under power, but I must admit to allowing myself a definite confidence lift oming out of the left-hand half to get the car into the right-hand sweep for the econd part. Then, still accelerating, comes the long never-ending sweep of Coram, the righthand curve that leads down to Russell. This s not a nice corner in an understeering car, for you can get too far to the left where the bumps are, have to wind on more lock, and get into trouble, but at my level anyway the Palliser was very well-behaved and kept its nose tucked reassuringly into the apex of the corner. I found at first that I was understeering heavily at the hairpin and losing a lot of time, but only because I wasn't being decisive enough early enough in the corner, so that when I tried to boot it the car still ndersteered. When I got the knack of getting the power on early enough in the corner it was possible to come accelerating out under power with the whole car beautifully alanced. On faster, more open corners like Riches (the right-hander after the start, taken fourth) the Palliser could be taken in leep, turned towards the apex and booted, and again there was that fine feeling of balance between power and roadholding.

Under braking, too, the Palliser was very pressive. I found on every lap, approaching he hairpin at maximum revs in fifth and hen running out of courage and hitting the trakes before the 200 yds marker, that I had braked far too early; the rapidity with which he car slowed down was helped, of course, the musical sequence down the gearbox m fifth to second just as fast as the hand an move the lever. One of the most satisfying rners was Sear, where one arrives still rating hard in fourth from Riches, gives brakes a very brief dab when one is most in the corner and simultaneously drops third, and then powers out round the out left-hand kink that follows through and into fifth gear. The overall effect that the car was very forgiving and us, and certainly seemed easy to drive: 174 bhp was never an embarrassment, but as always usable.

on an earlier occasion at Silverstone, when notographs for this article were taken didn't get a chance to drive the car, huppan offered me a few laps in his ula Ford Palliser, which he has been with distinction this season under the Bond Racing banner. Very similar to



Activity in the North Street works with a Formula B under construction nearest the camera.

the B in basic layout, this naturally used FF's mandatory 5½ ins rims shod with the currently fashionable Avon crossply tyres, and had one of BRM's Formula Ford units.

In fact lapping Silverstone on one's own is probably not really the way to test a Formula Ford: it ought to be in frantic traffic going four abreast and five deep, touching wheels and nudging nosecones. I was very glad I wasn't in that situation, however, and was able to appreciate that the FF Palliser had the same solid, all-of-apiece feel that I was later to find in its bigger sister. To go really quickly, a Formula Ford needs to be chucked into a corner and held in a sort of squashy slide: this is a technique which needs practice to perfect, and incidentally must require a lot of skill if it's to be done in the neat, unflurried way that one or two drivers at the very top of this formula exhibit, often in very tight situations.

It had been over a year since I had last driven a Formula Ford, and they seem to have more power than they used to: certainly the BRM motor seemed to pull very strongly. The sturdy, neat construction of the Palliser and the high standard of finish must make it a good bet for the Formula Ford driver embarking on a season on a tight

budget, and the competitiveness of this chassis has been adequately demonstrated in Formula Ford racing this season.

Palliser are currently advertising their Formula Atlantic car minus engine but as a complete rolling chassis with FT200 gearbox for £2075, while it is also available in F3 and F2 forms. The Formula Ford, complete with BRM-tuned engine and ready to go, is £1510. Next year's Atlantic car will be virtually identical to the current car apart from improved seat and pedal adjustment, and the adoption of sheet metal plating to the chassis tubes to increase rigidity even further. Palliser Racing Design are at 65 North Street, London, SW4. Tel: 01-622 0752/0755



Taylor in the FF (below) and discussing it with regular driver Vern Schuppan (above right)

