## The story of Arthur Mallock's cars, past, present & future

Roade. With his military moustache he bears a marked wins included a trip to Ireland ARTHUR MALLOCK lives at the end of a cul-de-sac but somewhat flamboyant in the pretty Northamptoushire country village called style. That year his five He is very much a family man with two grown-up sons replica chassis frames and two resemblance to author George Orwell. A former major Ford Championship of Ireland be drawn any further due to the Official Secrets Act. in the Army he now works in electronics but cannot and four second places. At the in the Official Secrets Act. end of 1939 he offered to build enthusiasts the world over know that his hobby is and a younger daughter and at 50 the looks at least be the garden or the local council. But motor racing 10 years younger) you would think his hobbies would also know that over the years his cars have notched up driving, designing and constructing racing cars. They the club racing season without a spate of further countless successes and barely a week goes by during

well overdue in the columns of feature article on Arthur Mallock and his U.2s was evening suited me most as he worked during the day. So two popular myths were already the reply that there wasn't really a factory and which Motoring News, the good G.P.O. delivered a letter to Mill Cottage asking if I could visit his factory. Back came visit his factory sidered to make swing axles couple of weeks later, I wonexploded and as I veered off would tell me that his 1968 work better than anyone else that the man dered what further revelations awaited me. Little did I guess modifications would include wishbone front suspension; but more of that later. MI towards Roade a deciding I always conwas back in 1956 with quite It was 1958 that the turn came and the stopy of the U.2 as a U.2 really starts. Faithful WJ, 1515 came in for gleaned from the then strugg-ling Colin Chapman. That some radical modifications for although the LMB suspension lay-out had always shown good season proved to be successful were made over the winter, but Mallock's 1957 season was ner and some chassis mods but the car was still not a winwas built with side members entirely new semi-space frame ellipticals restricted the ing of the driver's seat. cut short by an engine blow the fact that the rear quarter

ferred to the Army with the rank of major. He made his racing debut in 1947 (how many other drivers have been at it 20 years and are as comafter the war in which he served in the R.A.F., flying Dakotas and war. The Mallock motor racing

> would be available. so that finance for a new car was also sold during the winter seen them

## U2s START TO SELL

E.J. WINNER. John Harwood, an enormous 6ft. 4in, sticks out of his U.2 Mk. 2 while dicing round the Eifelrennen. He won the 1960 race in appalling

regulations for less than £400 with the hope that it would not disgrace itself in International competition meet the new Formula Junior The new chassis frame was rather The new car was built to

engine modifications

results (he was timed at 137 m.p.h. at Reims) and later on. October 16, to be exact, with his huge offt. 4in. frame the airstream, he rennen F.J. burgring South Circuit in terrible weather. Mallock also sticking well out into nental races chalked up his first F.J. win before the year was out. Mallock offered replicas of he won the with race on promising Zur-Eifel-

and until this day still with Mallock's help. takers although the customers built 1172 and sports cars the chassis/body assemblies for safe, you had to find the rest of the pieces yourself chassis/body than assemblies several Indeed



other such

formula until this day.

Austin 7 radiator but this was replaced by a cut-down ORIGINAL U.2. WJ 1515 as it looked after the new frame had been built. Here it is fitted with the original version.

1½ in. square tubing and superstructure of ¾ in.

suffered

So an ower-

later a similar fate befell the Minor back axle replaced the made his name in 1965. The crank and the project came Austin 7 unit used on the Mk.2 continued into 1962 and to a temporary halt. Meanwhile original car and there were Mallock reverted back to 1172 Mallock moved from his home various other tweaks. Formula due to the rising only three miles from Brands Originally two of these F.J. costs of F.J. and in 1962. Then the Army and arrived task weeks from the statement of the Army and arrived task weeks. down in it and suddenly it looked like a U.2. In only its second race the Brands 1172 record was broken, but a week the superstructure of 34 in. square tubing. The car was much lower, Mallock sat right similar to the Mk.1 but had several of the side members extending to the full width of the body using mainly 18g, square section tubes. A modified Morris

from Ford 93As at £1 10c

in such a machine that Grove-wood Award winner and F3 driver Peter Gaydon first made his name in 1965. The Mk.2 continued into 1962 and Mallock reverted back to 1172 still around today and it was at the back the radius arms the Mk. 6 appeared the swing the hands of Max Mosley, Jeremy Lord, Brian Myers, Dave Darby and Blemy of wide tyres could now be utilised widened by seven inches, while many more wins. Mk been converted to this speciand a second immediately had been placed outside the frame. This did the trick and four inches and the front track axle overlap was increased by and, of course, there have been the engine 4½ in. further back, fication. For 1967 the Series from lap times at places In fact, many earlier U.2s have Silverstone Club and Maliory. hink was necessary. So when or Mk. 6B was produced with

successfully a Mk. 2 and a Mk. Wragg has long been a U.2 expert, having previously raced sports car honours, the Chevrules specifically framed to take 4, 1965 saw the inception of ticated and expensive machine. the Clubman's Formula with ron, a very much more sophisof the other work, like steering column bosses, modifying the of a very high standard. Most 6 chassis to be built, and the contracted to local firms, while Mallock has all the local workmanship him back axles and so forth. front axle beam and so on is breakers yards keyed up to find

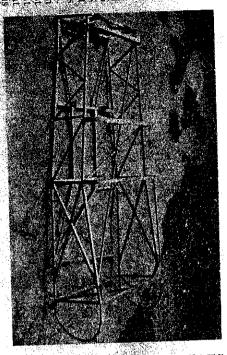
chassis is now sold with vir-tually all welding completed and all brackets in place On has a very good line in 24 gauge Duralumin for panelling and he recommends four 6th be quite a lot of work still left to do on a chassis. Mallock Steering on the Mk 68 has been by rack and pinion. Hill man Imp I.h.d units, which curvatures so all you new is a pop rivet gun of shaped bonnet retails at £9 an Panelling is very sum earlier models there used to x 3ft. sheets at 30s eac mountings, Mallock can also provide along glass fibre nose comes at ±5 there are no dou column, wheel, etc. Springing is ong AT7 spring/

in the Lotus 7, DRW, U.2 and using Ford or B.M.C. engines and non-all-enveloping bodies. U.2 and Chevron dominate this but by 1966 the speed-up in tyre development brought fatter and fatter rubber and a readvocated very narrow track Arthur Mallock has always small sports cars by Armstrong AT7 springly damper units at £4 8s. a time, the back axie has to be modified and Mallock provides a fully modified casing with the four trailing arms and Panhard rod at £18 exchange. Mallock has a stock of swing axles At the price of £80

wn and fitted with a 1936 rd 8 engine. Mallock 1 15cy in the big er 1172 race in which Lonus. sercharged LMB suspended stin Seven Special registra-n number WJ 1515. Several ang & decut it 20 years and are as com-tive as Mallock?) using a 750 M.C.s brand new 11/2 rmula, WJ 1515 was dusted engine was soon took the first two places, the end of the season allock was regularly the first play a significant part the U.2 story. The Austin isioned off and a special success. This car was then seasons with a notable lack ikely combination was run 500 F.3 events for a couple led a CRM purchased, but esent-day Clubman Lotus a strange change of fate that n-Lotus driver home and it also proved unreliable t they were the first nondrivers proudly in true U.2 style this other drivers have later this same car was Speedway-JAP engine the min of 1953 and replaced announce Major,"

uring 1954 and 5, but An overseas posting kept morr racing but he

at Roade which is only eight miles from Silverstone. Thus settled, he was back in 1959 only three miles from Brands Mahock moved from his boing with the car now very com-petitive as a Ford Ten engine on to such an extent that he hecame known as the "Mad became known as the had been fitted. Mallock pressed thanks to his safe this time Harwood arrived Orignally two of these FJ cars were to be laid down. completed until one for Mallock and another for Major John Harwood, an various projects and his car was June while Mallock was side-Army friend of Mallock's. Hartracked by trials and go-kart wood's car was completed August. these F.J. had taken ý



BASIC FRAME. All U.2s start with a basic frame produced to Mallock's design by Arch Motors. This is actually a Mk. 4 frame, the latest Mk. 6 is basically similar but has more brackets, etc., included

achieved a long standing am-bition by winning the 1172 others have scored enormous of years with 1,500 c.c. engines Jeremy Dave Miller with Darby and Brian Myers,

costs of F.J. and in

Championship. bition by

winning the

because of

which must

multi-tube "birdcage" frame. handling ability of the U.2 All six sides of the "Box" are triangulated resulting in axles was devised giving 30 over system for the swing and so now we had coils all and so now we had coils all and so now we had coils all and so now with sinust. that of say a Lotus 23. per degree deflection, twice by Mallock to and this eliminated the For 1963 there were quite few changes, for the old nation chaptes were finally The success was achieved torsional rigidity cent more swing the be 1,500lb. ft. attributable remarkable limitalength engine, rained. trom without any

Mallock again won the 1172 Formula Championshin when the Mk.4 appeared a year later there was little difference went single-seater abroad, for un. New Zealand, one in not. together well over 50 U.2s have while a couple have been built under licence in Australia. Alnow been built, including 17 Africa, another in the States, year. huxury he only introduced this as chassis numbers were a during 1967, but Mallock does A few U.2s for there are two in nave South gone

a lot of problems with

During 1963 there were quite a lot of problems with this

axles which become quite con-fused on bumpy surfaces. The

tions of conventional

Swing

engine was also moved

back

1/2 in. and the Mk.3 was born.

## BUILDING A U.2

except for general tidying up.

Mallock

and again put up some surprisracing again in 1964, this time to the new F.3 specification Lotuses in what now was the in 1965 and again the difnot really a success. In fact for accessability but this was model were not great although and as some are brought up to 3, 4 and 5 are very similar the engine was moved forward later specification very easily During this period Mallock extremely difficult to the Brabhams and to say that Marks was introduced performances previous could probably be produced for £300 if one did all the work one's self, but a more realistic price for a Clubmans car, less engine. A very basic 1172 car varied, and the cost of "How much does it cost to build a U.2?" I asked but the specification, the piece of string, Of course, complete with a £400 engine a winning car like would be about £500, everything depends as the reply to the one about answer seemed to be the same cost over £1,000. and various other goodies, could gearbox and which on can Mosley's labour while the ğ

serious single-seater racing.
The Mk.5 was introd

tront-engined

good

ferences over the

was selling kits regularly and there was then over 20 in exis-David were make anything Motors, who build the frames the chassis is produced by Arch Mallock does himselt, not actually

tell one from another.

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had 12 consecutive wins. while earlier this year Ken ,000 c.c. Holbay-powered car James Mortimer's plenty of

Formula Ford events with promise Richard's U.2 was built originally as a road car with a Mk. 6 fitted with starting money. At the other end of the scale, his son, and earned himself almost £700 several International F.2 races twin cam Cosworth Mk. has put on quite a mileage Richard, who works for Aston with a wider cockpit and he vartin, bas been racing his Coptina OI apowered car in This year Mallock has raced getting has taken problems apart wet when it part

know the exact number

for Brabham and the majority of other British single-seaters.

captured

Championships

FASTEST U.2 driver this season has been Wax Moslev with the Meadsneed Racing

from Ford 93As at £3 10s., costs £10. sion to the cross over system a set, and the essential conver-

special stub axles, a set of wheels, difassorted bits and pieces and cooler, a Lockheed brake your U.2 is well on the way. A new 116E close ratio gear-Throw in one of Mallock's special radiators and oil oil or a rackheed brake kit. and telling him to get as much of the stuff himself and with options to suit the pocket wants to have his car read) then an engine to suit aluminium bell XOQ tomer a complete lock's system of giving a custime during a winter if he the person building a U.2 wil needs and pocket. Obviously one can generally assume that "if there are any problems give me a ring" is a good one. So of course, not everyone the man racing a new U.2 for the next season. But Malspeed, in London, for help and always go along to a firm with this talent but you could encouragement. Wragg, in Sheffield, or Meadis recommended, to spend all his leisure good mechanic too. gaisnea few other parts list gearyou 20

arm enough. In fact, there is quite an art in setting up U 2s Once your car is complete, Mallock offers a rather unique properly and Mallock race it for you if you twist his for you at a track and even after sales competition service that this can make all the or he will sort your car out

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racing kit. ARTHUR MALLOCK, in his With his military

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cars

Continued from Facing Page

ie but it seemed rather com-ated and would be best ance to the handling. He lained to me how this was to Mallock himself.

THE FUTURE

business side of U.2 as well the design. Next season he the design two models.

Mk 7 Formula Fortwhich dallock now feels he 2 has already appeared with home front suspension, but ogress hes not so much in ing something new, as gaven up something old. One s was privately modified rlier this year it went very ll in the hands of Tony oore. At present the two new ams car called the nd a similar but wider vishbone layout suntiar narrower than previous on the present Brab-4.3, for Mallock says front suspension

ing a frame to earn money for his next season's car, while 16-year-old kaymond's home constructed gokart was gathering dust on one side as he In fact, he is positively excited about U.2 prospects in the and although the cars will have have been more of a hobby than a business for "it pays apour U.2 prospects in the formula Unit the present U.2s to be weighted, he thinks that Mallock will be putting all his effort into Formula Ford for the racing but there is cer-tainly no money in the bank as a result, says Mallock, they will dominate the formula. whole operation is run from Mill Cottage, a derelict cor-tage next door where all the spares are kept and a couple of adjoining garages. In one of these when I visited. snorting through emphasise the hopes to start racing next season with a strict budget 1172 Richard Wallock was busy paintcar Racing is in the Mallock , April. point. his nose

sidering building complete cars pood have to find new premises and Arthur Mallock is now conbut will obviously

below me."

the feelers are out. He does not intend giving up electronics Finally, let us disp rumour, there is not engined can which will feature U.2 type swing axle front suscycle racing and hill climbs.
Mallock has helped with the
design of the rear mounted imp engined U.2 on the stocks. This friend of Mallock's is building just yet, but he might one day Inoun pension, but that is all. three-wheeler has arisen because a fot moto

whole psychology of U.2 is based on being philanthropic. In this age of commercialism this is a refreshing attitude. ness came from the same be-Chapman and Eric Broadley, for all three's racing and busisame breed of Mallock still builds U.2s in his spare time is governed by ginnings. That Chapman now no doubt is the fact that the several factors, but among them heads the Lotus empire Perhaps a quotation from Robert Louis Stevenson would not, hope nor love. be appropriate: "Wealth, I ask the heaven above, and the road friend to know me. All I seek, Arthur Mallock is of the men as Colin and



F.2 U.2. Arthur Mallock leads Alan Rees, and a Protos, during the Zandvoort F.2 race. He took part in several such races with his twin-cam powered car and carned almost £700 start money.