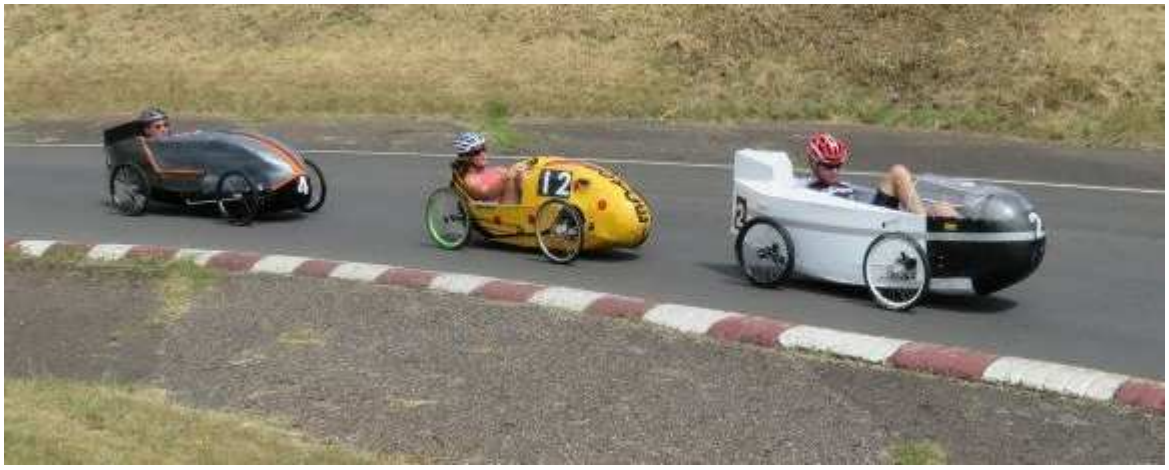
The Shenington 24 hour Race

25th – 26th June 2016



Le Mans in the heart of England…
…except that these cars are all human powered!

- **Race starts midday Saturday.**
- **Teams of 6 drivers per car.**
- **Free camping from Friday evening onwards.**
- **Full catering available**



www.pedalcarracing.info

What is Pedal Car Racing?



Pedal car racing is a sport where teams of drivers race single-seater human powered cars in races of up to 24 hours in duration on circuits such as go-kart tracks like Shenington.
With **classes for juniors as well as adults**, the sport actively encourages young people to learn team working and race craft, along with a good dose of physical fitness, whilst having a whole load of fun along the way.
6 team members share the driving, with each completing as many laps as they can before handing over to the next driver.

What are Racing Pedal Cars?



Think part car, part bike, part go-kart, part bob-sleigh?
A pedal car is whatever you make it as long as it complies with the fairly basic set of rules laid down in The British Pedal Car Specification.
These rules allow many variations and basically set the leading dimensions and safety features the cars must carry.
Whereas some people have access to special materials such as carbon fibre and high grade metals, others build theirs from the kinds of steel you might see office furniture made out of and a pedal car can be as basic or as advanced as you can make it.
Cars of all shapes and standards of engineering successfully completed the 2014 edition!



Who races Pedal Cars?

Cycling clubs, scout troops, explorer scout units, youth clubs, school groups apprentice schools, university students and some teams are just a **bunch of friends wanting to have a great time**.
This really is ***the most fun on four wheels*** (particularly if you are too young to hold a driving license…)



What is the Shenington 24 hour Race?



24 hour pedal car races are nothing new.
In fact, the sport owes its origins to 24 hour races between teams of apprentices back in the 1960's.
There has always been a 24 hour race on the British Pedal Car Championship calendar but from 2008 onwards the event has moved to the superb Shenington Kart Club circuit near Banbury.
The concept is simple and very similar to 24 hour sports car racing: 1 car, six drivers, and 24 hours to clock up as many laps as possible.
For the fast teams at the front, the idea is to win the event or their class.
But to many, the challenge is simply to finish the race and have a great time.
Some teams get themselves sponsored for the event and it really is a great way to do something a bit different whilst raising money for your school, youth club, scout group or favourite charity.



Teams of all different ages and abilities race together on the same circuit at the same time.
Negotiating slower cars is something the fast teams have to get good at!

The Detail:

Car Specification and Rules

All the rules are available in the BFPCR rule book which can be found on line at www.pedalcarracing.info
If you would like a copy then please get in touch (contact details at the end of this document).

The rules set out the minimum safety standards to which the car must comply, together with the leading dimensions and the lighting requirements.
There are no rules concerning how long any particular driver may drive for, how many laps must be completed before a pit stop, what tyres must be used, or even which parts of the body may or may not be used to power the car.

In fact, give or take a few constraints, it is a very open formula and there are no "fake" rules designed to manufacture the racing in any one direction or another what so ever.
It is refreshingly simple: The car must be powered solely by the muscle power of a single driver.

There are sometimes cars available to borrow or hire for individual races such as this.
Please feel free to get in touch with the race organisers to see if any are available if you would like to enter but cannot build your own machinery!

Classes

There are six classes in pedal car racing all sharing circuit space, so the safe lapping of back markers is a skill that the faster drivers must acquire.

PC1: Open class - 6 drivers per car in 24 hour races (4 in all other races)
All cars automatically qualify for PC1 and it is the cars at the head of this class which usually fight it out for the overall win.

PC2: Under 16's - 6 drivers per car in 24 hour races (4 in all other races)
All drivers must have been born on or after 1/1/2000 for the car to qualify for this class during 2016
The cars are usually very similar in appearance to those racing in PC1 but they tend to be built a little bit more robustly to cope with the increased number of driver changes and the less sympathetic treatment that teenage drivers can sometimes dish out to racing machinery.
Quite often the lead PC2 outfits will be in amongst the top six overall come the end of the race.

PC3: Under 14's - 6 drivers per car in all races
All drivers must have been born on or after 1/1/2002 for the car to qualify for this class during 2016
The cars are often lighter and generally have to be somewhat smaller for obvious reasons!
Most of the cars in this class do not run aerodynamic bodywork – the drivers change over far more often and do not reach the higher speeds of PC1 and PC2 so a body shell would generally seen as a hindrance.

PC4: Under 12's - 6 drivers per car in all races
All drivers must have been born on or after 1/1/2004 for the car to qualify for this class during 2016
These cars are generally very basic, unfaired and as light as possible.

PCP: Pairs - 2 drivers per car only
Self-explanatory. This is the one for nutters!

PCF: Female teams - All drivers must be female. (Number of drivers depends on age range)
Also self-explanatory.

***Please note:**
Due to safety considerations, PC3 and PC4 cars stop between the hours of 12pm and 6am during 24 hour races.

The 2015 Edition

2015 saw 31 cars take the start and, give or take a few "walking wounded", all finished 24 hours later.



The race began with a fitting tribute to our friend – and champion pedal car constructor – Gary North who had sadly lost his long battle with cancer the previous year.

Gary's car – racing as Atom / Force India number 69 was given honorary Pole Position and led the field away at the start of the race driven by his son.

They continued throughout the 24 hours, coming home a fine 12th place in memory of a truly wonderful man who the pedal car community miss so much.

At the front of the race, Wing Racers battled with Apollo Racing until the latter hit trouble just after nightfall after which the lead was maintained in a skilful display of fast, controlled driving.

Further back, the British Human Power Club in their mind blowing Kingsbury Quattro held off the recovering Apollo to take 2nd place by less than a car's length whilst Team JMC, boasting motorcycle legend Guy Martin on the driver lineup finished a commendable 4th in their first ever pedal car race.

In PC2, Team Bikebus had the speed but the Explorer Scout team of Swebbelli Racing always kept in touch and were close enough to capitalise when accident damage and mechanical trouble blunted the cycling club's challenge, Swebbelli taking a win very much against expectations with Team 105 – another scout team – finishing a strong third.

Team 105, however, cleaned up in the PC3 and PC4 classes, dominating both ahead of determined opposition from Falcon Notnray.

Elsewhere, Royce won both the Ladies and the Pairs classes in their superb Cliff Polton built car.

Whatever your speed, there will always be someone going a similar sort of pace to race against.

For 2016 we want to expand the race further still and cement it's place in the calendar.

This is a unique event in the UK and we welcome teams from all over the country to compete.

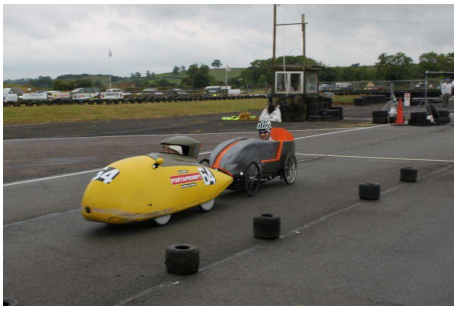
Pos.	Car #	Laps	Diff	TeamName	Best	Best (mph)	Last	PenU	Last10	Last20	Last40	Distance(mi)	Speed(mph)	Class
1	2	1174		Wing Racers	63.7	20.9	72.7	75.3	7	14	29	434.05	18.1	PC1
2	64	1156	18	BHPC	62.7	21.2	70.4	73.1	7	15	32	427.39	17.8	PC1
3	1	1156	0s	Apollo Racing	64.8	20.5	71.0	72.4	7	16	32	427.39	17.8	PC1
4	66	1116	40	Team JMC / Hope Factory Racing	63.8	20.9	85.1	85.4	6	13	28	412.60	17.2	PC1
5	22	1072	44	Doughty Racing	65.3	20.4	78.7	88.2	6	14	28	396.34	16.5	PC1
6	4	1062	10	Apollo Racing	66.9	19.9	87.5	85.7	7	14	28	392.64	16.3	PC1
7	7	1015	47	Flying Penguins	66.9	19.9	121.9	98.0	7	13	27	375.26	15.6	PC1
8	3	1005	10	Swebbelli Racing	67.9	19.6	102.6	77.4	7	15	27	371.56	15.5	PC1
9	8	981	24	Swebbelli Racing	67.2	19.8	84.1	77.7	6	13	27	362.69	15.1	PC2
10	5	966	15	Team Bike Bus	65.5	20.3	83.5	89.0	7	13	26	357.15	14.9	PC2
11	19	964	2	The Odd Balls	72.4	18.4	91.2	92.7	6	12	26	356.41	14.8	PC1
12	69	954	10	Atom / Force India	69.9	19.0	116.8	70.7	7	13	26	352.71	14.7	PC1
13	27	944	10	Titanic	70.0	19.0	80.0	78.4	7	13	25	349.01	14.5	PC1
14	11	874	70	Team 105	74.5	17.9	82.9	91.6	6	11	21	323.13	13.5	PC1
15	10	847	27	Swebbelli Hemel Network Racing	72.3	18.4	103.1	77.0	8	14	26	313.15	13.0	PC1
16	25	785	62	SimonStrong	79.4	16.8	102.1	94.7	7	13	24	290.23	12.1	PC1
17	24	732	53	Team 105	68.6	19.4	83.3	91.7	6	11	23	270.63	11.3	PC2
18	16	716	16	Falcon Notnray Racing Team	77.5	17.2	106.9	105.9	5	11	20	264.72	11.0	PC1
19	12	711	5	Royce	64.8	20.5	94.0	4147.1	2	2	2	262.87	10.9	PC1 DF
20	21	666	45	Matrix Racing	85.5	15.6	121.8	108.6	6	11	20	246.23	10.2	PC2
21	28	620	46	Team 105	79.2	16.8	82.7	91.8	6	12	23	229.22	9.5	PC3
22	37	598	22	Redditch Explorers 1	102.1	13.0	116.0	109.4	5	9	18	221.09	9.2	PC1
23	32	543	55	Team 105	82.0	16.2	88.0	91.8	6	11	22	200.76	8.4	PC1
24	38	529	14	Falcon Notnray Racing Team	90.3	14.7	109.1	105.8	5	10	20	195.58	8.1	PC3
25	44	489	40	Victorious Vikings	94.9	14.0	127.8	134.0	4	8	16	180.79	7.5	PC3
26	41	466	23	Redditch Leaders	92.1	14.5	124.4	122.2	4	8	17	172.29	7.2	PC1
27	14	448	18	Notnray Network	86.0	15.5	107.1	105.7	5	11	21	165.63	6.9	PC1 D
28	61	446	2	Sharnbrook Scouts - Adventurers	93.8	14.2	185.9	115.1	5	9	17	164.89	6.9	PC3
29	51	412	34	Team 105	103.5	12.9	130.0	133.6	4	8	14	152.32	6.3	PC4
30	42	344	68	Peoples Republic of Grimsbury	120.4	11.1	250.4	283.1	2	4	8	127.18	5.3	PC4
31	56	273	71	AAC Racing	98.7	13.5	200.6	210.5	4	6	6	100.93	4.2	PC1 D

Some of the 2015 Class Winners:

Overall & PC1: Wing Racers



2nd Place: British Human Power Club ; 3rd Place: Apollo Racing
(It was actually closer than this so they only get 1 photo between them…)



PC2 (Under 16's): Swebbelli Racing



PC3 (Under 14's): Team 105



The Race Weekend

Teams are welcome at the circuit from 6pm on the Friday night onwards.

Pit space is limited but each car will be allocated a 3m x 3m space in the pits.

There is virtually unlimited space in the camping fields behind Café Corner and there is also a camping area (more suitable for caravans) further away behind the club house.

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Provisional Schedule

Friday, 24th June

1800	-	Circuit gates open for teams. Pit lane open for unloading.
1945	-	Pit lane closed for unloading.
2000 - 2100	-	Free Practice 1. (Cars may practice once passed basic check – over.)
2100 – 2200	-	Pit lane open for unloading.
2215-2315	-	Free Practice 2. (Cars may practice once passed basic check – over.)
2315	-	Circuit closed for practice. Circuit gates closed & locked except for emergency access.

Saturday, 25th June

0800	-	Circuit gates open. Pit lane open for unloading.
0900	-	Scrutineering open.
1030	-	Pit lane closed for vehicles. Free Practice 3. (Cars may practice once passed scrutineering only.)
1120	-	Circuit closed for practice.
1130	-	Mandatory drivers' briefing.
1145	-	Cars form on grid in championship order.
1200	-	**RACE STARTS**
2300	-	*Circuit Gates Locked except for emergency access.*

Sunday, 26th June

0700	-	*Circuit Gates Unlocked.*
1200	-	**RACE ENDS**
1230	-	Presentations.
1400	-	All teams clear of site.
1430	-	Everyone off site.

The Circuit



The circuit is 595m long and runs clockwise.
Stratford and Runway Straights test the cars' straight-line speeds whereas the Bruno Chicane complex is waiting to catch out anyone whose handling is perhaps not all that it might be (particularly in the wet).
It is a track which certainly keeps the drivers awake whilst allowing plenty of width for lapping back markers.
The record winning distance was 1198 laps in 2008. Since then increased entries (meaning more "traffic") and inclement weather on several occasions has helped this to remain!



There is a wide variety in styles of car.

24 hour café – "Bear Grills"

Run by 5th Rugby Scout Troop, the café is situated at the "pit-in" end of the pit lane serving hot and cold drinks and snacks on Friday night and throughout the 24 hours.
They will cater for your team for the entire weekend for a very reasonable price.
This is the main place where you can check the timing and scoring screen as well so why not drop in, take a well earned break, and have a nice cup of tea while you catch up on how the race is going.



Sometimes, things do not always go entirely to plan…

Do you want to know more?

- **Need more information?**
- Get in touch!

- **Need help and advice on building a car?**
- We can help!

- **Can't see yourself building a car but want to race anyway?**
- We can often put you in touch with someone who can help!

- **Need an entry form?**
- Contact the race organiser (details below) or enter online at www.pedalcars.info.

Please note, entries must be received on or before 1st May 2016

If you need anything then please contact us.
Through websites, forums, facebook or good old fashioned phone calls there is always someone who will help you get started in this fast, friendly and fun sport.

All the information on the Shenington 24 hour race, and the other races around the country which make up the 2015 British Pedal Car Championship, can be found at www.pedalcarracing.info

Alternatively, you can contact the race organisers on the address at the bottom of the page.

Thank you

Thank you for taking the time to read this document.
I hope it might have inspired you to join in this unique race and I look forward to seeing you in June.

24 hours remains a classic challenge to drivers, car builders and supporters alike.
No one said it was easy so massive respect is due to all and anyone willing to take on the challenge.
Hopefully that will include you!

Contact:
Jeremy Featherstone
Race Organiser
Shenington 24 hour race
07972 738349
e-mail: racing@pedalcars.info



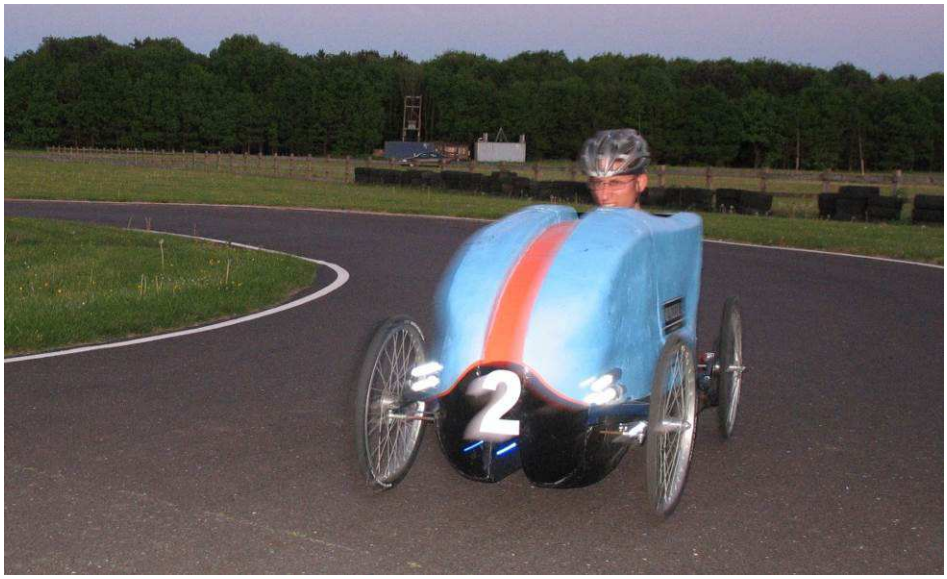
…and the view isn't bad either…

***Our sister event*:**

Saturday, 23rd April 2016

The Bruntingthorpe 6 hour

A 6 hour pedal car race at the famous Bruntingthorpe Proving Ground



The ideal chance to test your cars and your legs in advance of Shenington!

- 4 drivers per car (6 for under 14's & younger)
- Superb 400m karting circuit
- Race runs 12pm – 6pm
- A great way to test your car before the 24 hour!

All details on ***www.pedalcarracing.info***

