



[www.pfabristol.flyer.co.uk](http://www.pfabristol.flyer.co.uk)

**POPULAR**  
**flying**  
Association

# Bristol Strutter

Newsletter of the PFA Bristol Strut

June 2007

## NEXT MEETING - CHAT EVENING - JUNE 14TH

Because two outside visits to Bristol ATC are taking place this month, we have not arranged anything formal for the Thursday Strut evening. However, rather than cancel completely, Steve suggests we come along for a chat over a beer and discuss aeroplanes. One idea to be aired is a possible Strut fly-out during the summer months - any suggestions considered! Also, we have an opportunity to show a training video which Graham has about mountain flying, produced by the Swiss Aero Club.

### Inside this issue:

Last Month's Meeting	1
YA at Gloucester	2
June picture quiz	2
Where to go	3
Future meetings	3
Fun Stuff!	4
Red Arrows displays	4



## LAST MONTH - SHELL AVIATION

The Strut welcomed Rob Midgley from Shell Aviation last month. We sat transfixed as he filled our brains to overflowing from his encyclopaedic knowledge of Aviation fuels and oils. We now know the difference between RON and MON and why the RON octane rating of MOGAS tells us little about a fuels behaviour in an aircraft engine. His concerns about the "pot luck" aspects of using forecourt petrol in aircraft were most compelling and this pilot for one will not be using it as a result. Oils were also discussed with semi synthetic multi grades being the best solution for the majority of engines after break-in unless you fly behind a big radial.

Now we know the answers to the questions in last month's Strutter:

Q: Will 100LL be available 5 years from now?

A: Possibly but probably not in ten.

Q: What is the industry's strategy for 100LL phase out?

A: Develop a lead-free alternative that can be burned in the engines we fly now.

Q: What are the implications of biofuel additives in forecourt unleaded for those of us who can burn it?

A: It's a big problem that will soon get worse making the use of forecourt fuels in aircraft an increasingly risky proposition.

Q: What are the differences between "straight" and "W" oils and when do we use them?

A: Straight oils have no additives or detergents. They are designed to allow wear between parts. We use them only to break in an engine. "W" means additives have been added to reduce wear and clean the internals.

Q: Is multi grade suitable for my engine?

A: For any engine we are likely to fly, yes. Some big radials with massive crank journals may still need single grade "W" oils.

Q: What does "ashless" actually mean and why don't we need it in our cars?

A: Because aircraft engines are air cooled and big bore. The gaps between alloy pistons and steel cylinders are bigger and vary more. This lets oil into the combustion chamber that burns. When ashless oil burns it burns clean and doesn't leave residue (ash). Cars have small pistons and water cooling thus smaller gaps and smaller temperature changes so oil seldom leaks up unless the engine is knackered.

Q: Why isn't there a fully synthetic oil option for piston aircraft?

A: Full synthetics don't keep lead in suspension very well. Some mineral oil is needed to do that.

A super talk from Rob and it's good to know Shell are rooting for GA.

Steve

### Contact Information

#### Strut Co-ordinator:

Steve Neale

01454 326745

E-mail:

[srneale@yahoo.co.uk](mailto:srneale@yahoo.co.uk)

#### Treasurer/Membership Sec:

Gordon Pritt

01934-622795

e-mail:

[gordon.pritt@virgin.net](mailto:gordon.pritt@virgin.net)

#### Newsletter distribution:

Ian & Mary Leader

01275 541572

e-mail:

[ian@pfabristol.flyer.co.uk](mailto:ian@pfabristol.flyer.co.uk)

Editorial address:

7, Cantell Grove

Stockwood, BRISTOL

BS14 8TP

## PFA Young Aviator weekend

On the 12th May, Bristol strut members joined forces with Gloucester strut, providing ground support at their Young Aviator day. The weather didn't look very promising at first, with solid drizzle sweeping up the channel, but by mid-morning it had cleared sufficiently to allow flying. When the youngsters arrived, they were given a safety briefing and allocated a guide who took them over to look at the aeroplanes, and the pilot owners were pleased to show them around, describing how the aircraft worked.

14 youngsters in total, and a couple of helpers were flown despite the turbulent windy conditions.

The pilots and aircraft were:

<i>Mike Edwards</i>	Cessna C172
<i>David Joyce</i>	Europa classic
<i>Ray Lewis</i>	Jodel Mascaret
<i>Richard Thwaites</i>	Tobago
<i>Manuel Queiroz</i>	Van's RV-6

Thanks to the Bristol crew for helping Harry pull off a very successful day.



## Free Magazines

We have received news of a 'significant stash' of past issues of PF which is being offered free to a good home. The collection is in the Lyneham area, and anyone interested in taking them should contact Greg directly on [gregcook@waitrose.com](mailto:gregcook@waitrose.com) or phone him on 01249 896247.

From Wg Cdr G C Cook, OC 47 Sqn

## Looking ahead... Strut meetings (to be confirmed)

**13th September** We hope to have a follow-up talk with Bristol ATC a year or so after the Airspace changes at Bristol.

**11th October** Bristol Strut AGM.

**8th November** Talk about Jabiru engines.

**13th December** Strut Quiz.

## Your Starter for ten



This month we have received a puzzler courtesy of Alan George.

The question is simply "what is this aircraft"?

The registration marks have been deleted from the picture, but Alan provides an additional clue by saying it was seen at an RSA (French equivalent of PFA) open day in Toulouse.

Answer in the July/August Strutter.

Don't forget that  
Oaksey Park frequency  
is now  
**132.225**

## Where to go in June / July

Free landing vouchers valid this month are available in:

*Pilot Magazine:* Bagby, Donegal (Eire), Fair Isle, North Coates, Panshanger and White Waltham.

*Flyer Magazine:* Kilkenny, Lydd, Le Touquet and Sturgate.

*Today's Pilot:* Elstree, Lashenden, Old Buckenham and Popham.

Here is a selection of PFA and local fly-in events to consider this summer:

### June

9th Jun – Defford Air Day - Croft Farm - [see website](#). Or call 07769 658041 between 20.00 and 21.00 Tues to Fri before.

8-10th Jun – Aero Expo 2007, Wycombe Air Park - see [www.expo.aero](http://www.expo.aero)

16/17th - Air Britain Classic Fly-in at North Weald. Strictly PPR 01992 524510 Web: [www.air-britainflyin.co.uk](http://www.air-britainflyin.co.uk)

17th - Kemble Air Day - [www.kembleairday.com](http://www.kembleairday.com)

23/24th Jun – PFA Robin Hood fly-in, Hucknall - see [PFA website](#)

30th Jun/1st July - PFA South West fly-in, Dunkeswell - for details see [Devon Strut website](#)

### July

1st - Oaksey Park AutoAero day and PFA Fly-in. (Freq. 132.225) Contact Peter on - [peter.anthony@wpfaf.co.uk](mailto:peter.anthony@wpfaf.co.uk)

7th/8th - PFA at Popham - [www.popham-airfield.co.uk](http://www.popham-airfield.co.uk)

14/15th - RIAT Fairford - Why not fly in? Landing fees start at £250.00 [See website](#).

26/29th - Weston Helidays - WSM Helicopter Museum. See [www.helicoptermuseum.co.uk](http://www.helicoptermuseum.co.uk)

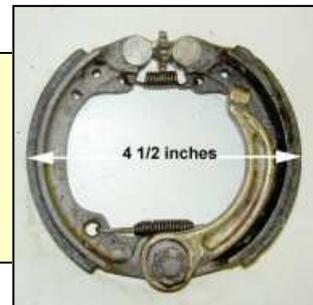
29th - Branscombe Air Day - see [Devon strut website](#).

'Dunkeswell, August 12th' – the proposed event to be staged by South West Airfields Trust, has changed dates to **July 28th-29th** and the venue will now be Uptottery Airfield. The format will be a re-creation of an "open day" given by the USAAF 439th Troop Carrier Group in July '44. Period vehicles (civilian and military) and vintage aircraft will be warmly welcomed. Initial contact to the Ops Office 01202 737430 or e-mail [vintageflying@ntlworld.com](mailto:vintageflying@ntlworld.com)

*A request for help from Devon Strut:*

Wanted - Bendix brake shoes and cam/adjusters as shown for Aeronca 100 restoration - or any other parts, drawings etc!

Please contact Miles on 01460 281129.



## Future meetings

**June 11th** - Visit to ATC Bristol

**June 21st** - 2nd group visit to ATC Bristol - still a couple of places left!

Please contact Steve for info on car parking, also if you're not sure in which group you are listed.

**June 14th** - Informal chat evening at BAWA

No meetings at BAWA during July or August - next one there Thursday 13th September.

## Future RAeS Meetings - all at: No.4 Hamilton Place, London, W1J 7BQ

*Flying the Fastest Cars on Earth* **Thursday 28th June**. Speaker: Wing Commander Andy Green, Royal Air Force

*Test Flying the World's Fastest Airplanes* – Kelly Johnson's F-104 and SR-71 Robert Gilliland Joint Flight Test Group & Historical Group Evening Lecture **3 July**

*Sopwith Lecture* Tom Enders, Chief Executive, EADS **11 July**

*Australian Antarctic Operations* Virginia Mudie, Deputy Director, Australian Government Antarctic Division **18 July**

*MAINTENANCE ENGINEERING TRAINING Meeting Future Airworthiness Challenges* **Wednesday 5 - Thursday 6 Sept**

*THE MULTI-CREW PILOT LICENCE: One Year On* **Wednesday 26th September 2007**

Contact Kirstie on [conference@raes.org.uk](mailto:conference@raes.org.uk) for registration details.

## Fun Stuff!

The identification chart on the right was received recently from Pete White in Devon Strut. Could be useful to keep in the cockpit in case you're intercepted by a UFO.

Also, a weblink from Graham which all origami enthusiasts should find compelling:

[www.bestpaperairplanes.com](http://www.bestpaperairplanes.com)



## Members news

RV-6 1/6th Share based at Gloucester - Call Manuel Queiroz on 01905 820 806.

Cessna F.172G For Sale or Grouping, currently based at Gloucester - contact Mike Edwards [mike@poetpilot.com](mailto:mike@poetpilot.com) or phone 01594 832 816

## Red Arrows display dates



If you are flying around the westcountry during the summer please be aware of the many displays in our part of the country. The Red Arrows website [www.raf.mod.uk/reds](http://www.raf.mod.uk/reds) publishes all the events at which they are displaying, and it's worth printing off to carry in your flight bag. Also, don't forget to ring the AIS

information number **0500 354802** when checking the Notams before you leave home, because there could be some last minute variation to the published list. Last year, there were several instances of TRA busts, one of which was at Kemble resulting in the show being cut short. Don't let it be you this year!

*News from the Red's website; On 1st May it was announced that they are to adopt Cancer Research UK as their official charity for 2007/08.*

For convenience here are the published displays local to our area in June and July:

### June

- 9th Isle of Wight Festival, IOW
- 15th GoldCoast Oceanfest, Croyde, Devon
- 17th Kemble Air Day - [www.kembleairday.com](http://www.kembleairday.com)
- 22nd Fat Face Night Surf @ Lusty Glaze Beach, Newquay, Cornwall
- 23/24th Goodwood Festival of Speed, West Sussex

### July

- 7th RNAS Yeovilton International Air Day, Somerset
- 14/15th Royal International Air Tattoo, Fairford, Gloucestershire
- 25th Lyme Regis RNLI Show, Dorset
- 26th Weston-Super-Mare Air Day, Somerset



There are also quite a few fixtures in Dorset and Devon during August. Don't get caught out!