

VENOM, GEMINI, HAWK,
GOOSE, SPITFIRE, WASP,
KOMET, ENVOY, SWIFT

Find the names of some of the aeroplanes that Eric flew. Those in bold can also be found in this hangar.

Use the touchscreen! What sort of power does the komet use? Jet propulsion Rocket power Propellers

CLAIM TO FAME: He piloted 463 different types of enemy aeroplanes including the Messerschmitt Komet which you'll find second on the left as you enter the Hangar.

Did you know? Brown's colleagues nicknamed him 'Winkle', but being short meant he could curl up safely in his cockpit.

What job was James made to do? Pilot Cook Navigator

Which birds were on-board? Pigeons Seagulls Crows

Match the main film (at back of space) to answer. From East Fortune to _____, USA.

Can you fill in the blanks in the R.34 flight log? Date _____ From East Fortune to _____, USA.

CLAIM TO FAME: The R.34 airship made the first East to West crossing of the Atlantic Ocean and the first return flight too. James and Wopsie were on that special voyage but they weren't meant to be! Both hid on-board.

Did you know? Gerald Freshwater describe the aeroplane? Roomy A car with wings Cramped A flying hospital

How does flying doctor ambulance service operated miles from Edinburgh to the island of Barra? Can you work it out? Use the workspace below.

Did you know? Sir James 'Boom' Hamilton 1923-2012
The Supersonic Engineer

CLAIM TO FAME: James, a Scotsman from Penicuik, led the British half of the British and French team that designed Concorde – the first passenger aeroplane to travel faster than the speed of sound. He also designed the special delta wing shape that helped it reach these incredible speeds.

Complete the drawing below by adding both delta wings.

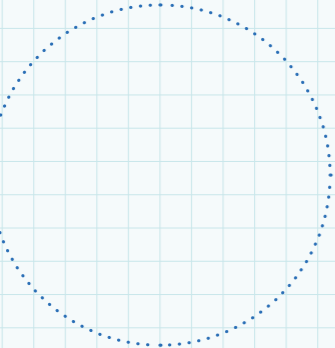


Did you know? When Concorde flies fast it creates shockwaves in the air that make a big 'boom' sound. This is how Sir James got his nickname.

Congratulations
You've got what it takes to be a

HERO OF FLIGHT

Hand back your pencil to the shop reception to receive your Hero sticker.



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Awarding funds from
POSTCODE CULTURE TRUST

National Museums Scotland Scottish Charity, No. SC011130

The Lifeline
Scottish Air Ambulance Service

CLAIM TO FAME: Travelling to remote islands to deliver babies, attend accidents and respond to emergencies.

Find the bright yellow aeroplane. Use the touchscreen! Name a place where the ambulance service operated miles from Edinburgh to the island of Barra? Can you work it out? Use the workspace below.

Remember: Time = Distance ÷ Speed
A 45 minutes
B 1 hour
C 2 hours

The Test Pilot
Captain Eric 'Winkle' Brown 1919-2016

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The Stowaway Pioneers
James Ballantyne & Wopsie the Cat

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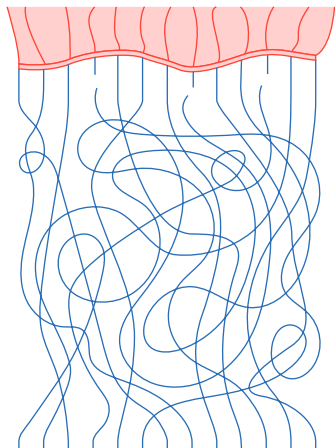
What job was James made to do? Pilot Cook Navigator

Which birds were on-board? Pigeons Seagulls Crows

The Lifeline
Scottish Air Ambulance Service

CLAIM TO FAME: Providing Ground Crew support to the RAF in the Second World War. Cooking, meteorology, maintaining and repairing aircraft radar operating and... parachute packing!

The parachute strings have become tangled and loose.



Listen to the soundtrack and circle the correct answers below:

Parachutes had to be kept...

Tangled Warm Dry
Crumpled Clean
Damp Flat
Upside-down Folded

Did you know? During the Second World War, female pilots delivered new aeroplanes from factories to air stations as part of the Air Transport Auxiliary.

Which 3 strings are broken?
A B C D E F G H I J K L M
_____, _____ & _____

The Record Breaker
Sheila Scott 1922-1988

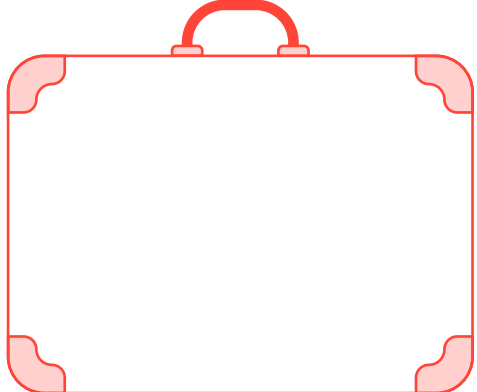
CLAIM TO FAME: Sheila broke over 100 world records for solo flight, including round the world trips. She became the first person to fly over the North Pole in a small aeroplane in 1971.

Read the side of her aeroplane, the Piper Comanche. What name did she give the aeroplane?

Look! At what Sheila packed. Can you find her mascot?

Draw or write down three things that you would pack for a round the world solo flight.

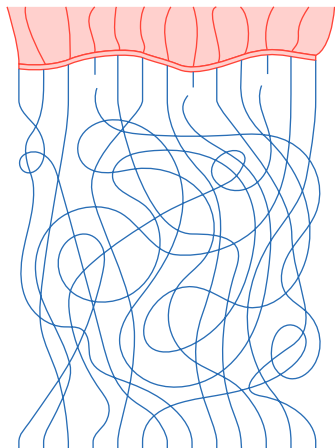
While you're here... Don't forget to complete Sheila's Heroes' Challenge on the map inside. See overleaf.



The Lifeline
Scottish Air Ambulance Service

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National Museum of Flight Scotland

HEROES OF FLIGHT



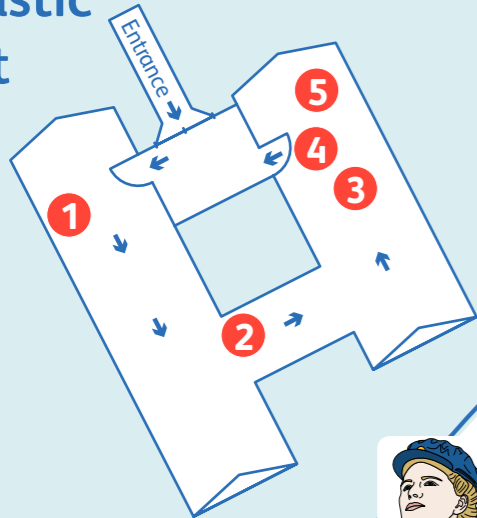
This challenge-based trail highlights some of the inspirational characters behind our collection. Complete the tasks to earn your Hero sticker!

Heroes' Challenges

Each hero of flight has set you a task. Complete these and tick them off to earn your Hero sticker reward.

These five challenges can be found in our interactive galleries in the building called **Fantastic Flight**.

Fantastic Flight



Sir James 'Boom' Hamilton



1 Develop your engineering expertise Experiment with the different wing shapes in the stream of air to feel how the force of lift is made.

Completed

James & Wopsie



2 Demonstrate your teamwork as part of our crew Help Captain Scott land the R.34.

Completed

Sheila Scott



3 Prove your navigation abilities Plot Sheila's journey on the globe with the chord provided. Compare it with the same journey on the map to demonstrate the challenge of navigating around the globe.

Completed

Captain Eric 'Winkle' Brown



4 Show your pilot skills Eric had to get to grips with the controls of many different aeroplanes. Try the flight simulator or try one of the 'Test Zone' activities. Compare how you get on with others in your group.

Completed

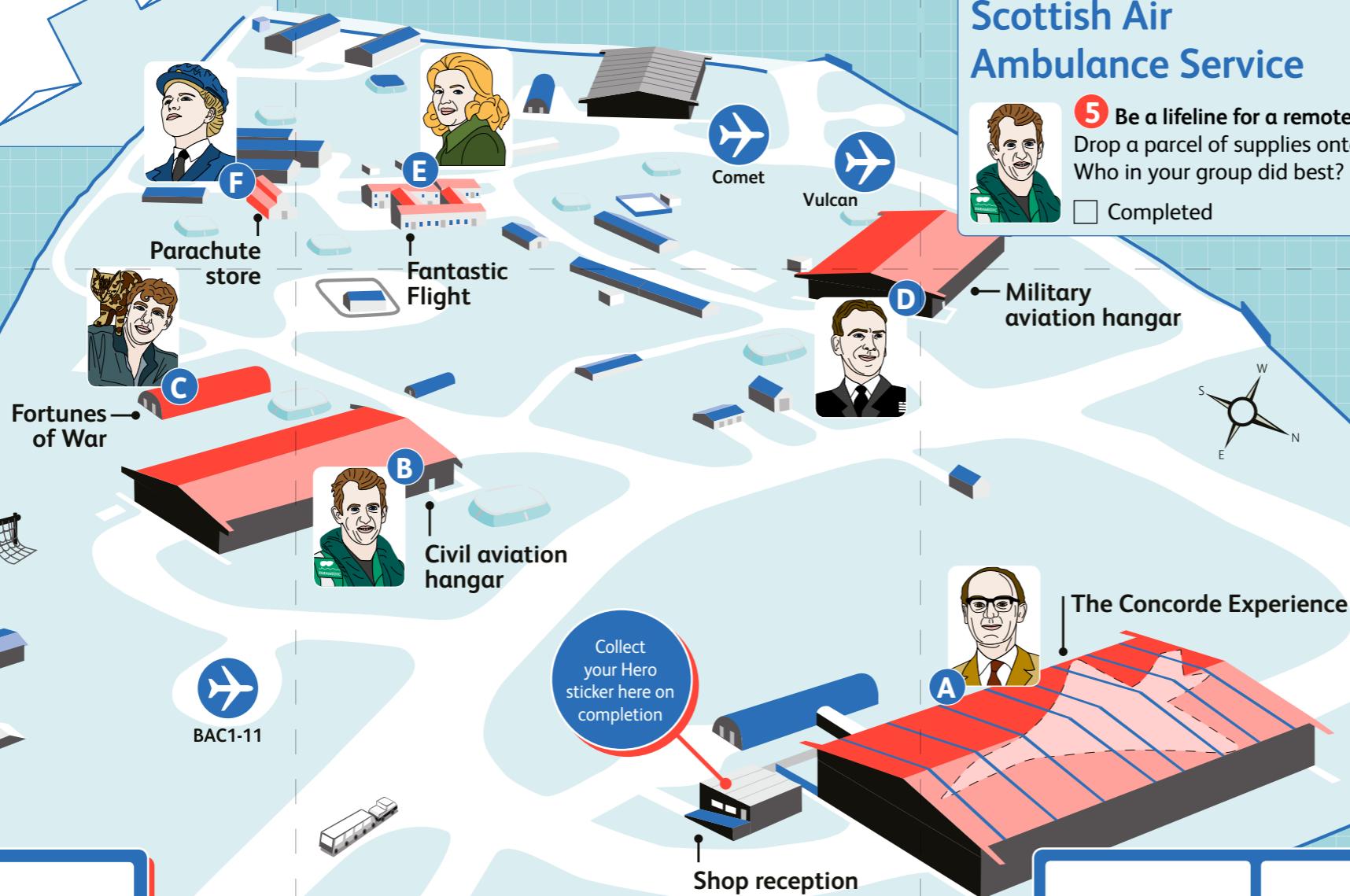
Scottish Air Ambulance Service



5 Be a lifeline for a remote community Drop a parcel of supplies onto a target. Who in your group did best?

Completed

Remember
To complete your final challenge visit the Parachute Store.



Collect your Hero sticker here on completion

Did you know?
Percy Pilcher made early experiments with powered flight here in Scotland in the 1800s. See his glider, the Hawk at the **National Museum of Scotland** in Edinburgh.

Visit the **National Museum of Rural Life** for a great day outdoors and loads more wildlife to see.

Nature's Heroes

While you are here, why not look out for wildlife?



Honey bees can flap their wings very rapidly – up to 230 times a second.



Pigeons have amazing homing instincts and have been used in the past to send emergency messages by pilots in distress.



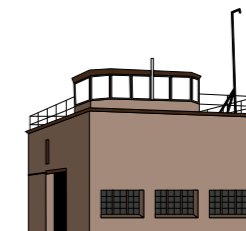
With superb eye-sight, buzzards can react in an instant to dodge enemies and catch prey.



Seagulls use different calls and movements to share information in their group and help gather food.



Painted Lady Butterflies can fly up to 30 miles per hour. When it gets colder they migrate 9,000 miles.



Look!
Can you see the control tower and three runways?
To see the control tower look North West from outside the **Military Aviation hangar**.

