

About the Student Flight Log Book

About the Exhibition

Tango Alpha Charlie: Texas Aviation Celebration — on display September 12, 2010, to January 9, 2011, at The Bob Bullock Texas State History Museum — presents the story of aviation in Texas from the early 1900s and into the future. The exhibit includes an introduction and five sections: Aviators, Manufacturers, Services, Future of Flight, and a Timeline. Within each section, visitors interact with artifacts, digital games, and hands-on activities to experience milestones in aviation history.

Purpose of the Student Flight Log Book

Each page of the *Student Flight Log Book* corresponds to a lesson in the *Tango Alpha Charlie: Texas Aviation Celebration Educator Guide* and a section of the exhibit. As students move through the exhibit, they complete a variety of activities documenting the people, groups, and companies in Texas who made contributions to the development of aviation throughout history. Students may work alone or in groups to collect information and reflect on their learning. The *Try It Out* page lists the interactive and hands-on stations located throughout the exhibit.

Assembling the Student Flight Log Book

Copy the pages front to back in the order that they appear in the guide. Stack the copied pages together and fold them in half to create a booklet. The page numbers will appear in order.

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Completing the Student Flight Log Book

- Assign students to work alone or with a group to complete the *Student Flight Log Book*
- Challenge students to see how much information they can gather during their tour of the exhibit
- Select specific sections for students to complete

Assessing Learning

- Students share the information they gather with the class, and then reflect on the people they think are the most memorable, or who made the most important contributions to the development of aviation in Texas
- Students use the graphic organizers to complete lesson activities from the *Tango Alpha Charlie: Texas Aviation Celebration Educator Guide*
- Students select a topic or person they want to know more about. After developing questions to research, students prepare a presentation to share the answers they discover
- Students use the information from their *Student Flight Log Book* to create a game about the people, experiences, discoveries, and achievements showcased in the exhibit



Student Flight Log Book

Name

Date

The Bob Bullock Texas State History Museum

Early Aviators

What did early aviators **Louis Paulhan** and **Benjamin Foulois** accomplish in the field of aviation? Record the primary and secondary sources that provide evidence of their accomplishments.

Person	What did this person accomplish?	Evidence
Louis Paulhan		
Benjamin Foulois		

World War I and the Stinson Family 1910s

Observe the artifacts showing **Katherine Stinson's** accomplishments. List at least two of her accomplishments that you think are the most important.

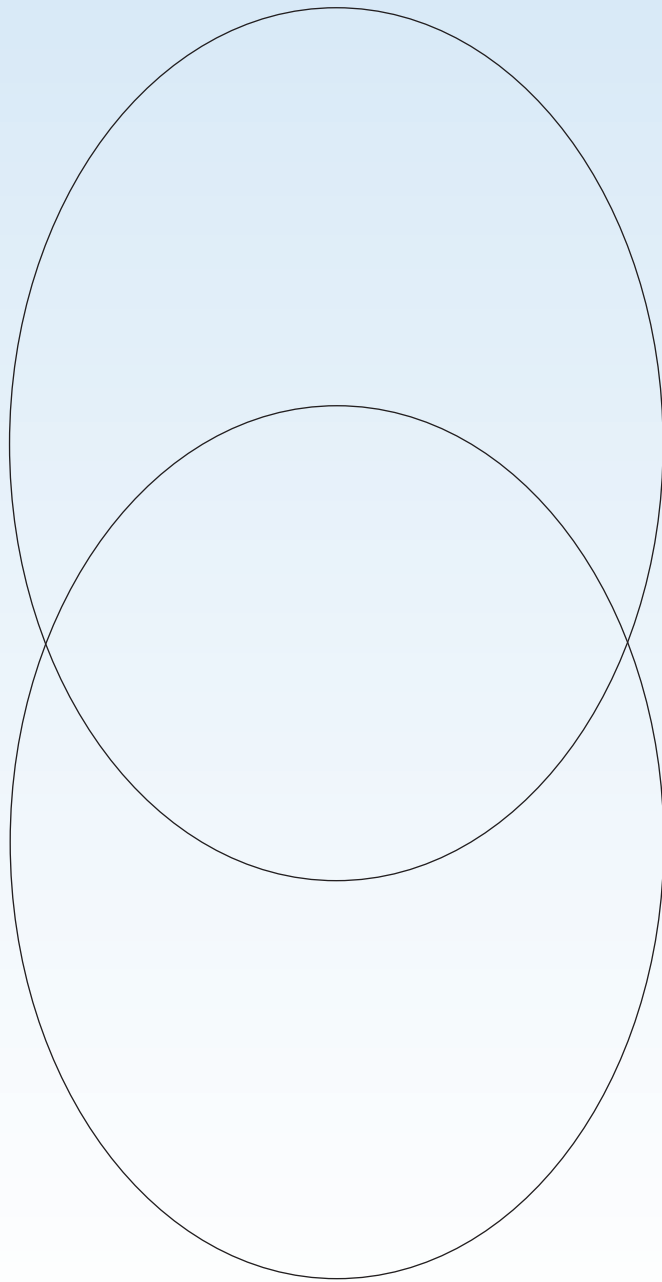
Katherine Stinson's Accomplishments
1.
2.

What can you conclude about Katherine Stinson based on the posters, articles, and trophies displayed in the exhibit?

Ormer Locklear and **Bessie Coleman** were known for their achievements in early aviation. Identify and list their similarities and differences.

Bessie Coleman

Ormer Locklear



Barnstormers

Record Setters

What records or accomplishments did **Wiley Post**, **Howard Hughes** and **Douglas Corrigan** achieve? Record their accomplishments and the artifacts you used as evidence.

Wiley Post

Accomplishment:

Artifacts:

Howard Hughes

Accomplishment:

Artifacts:

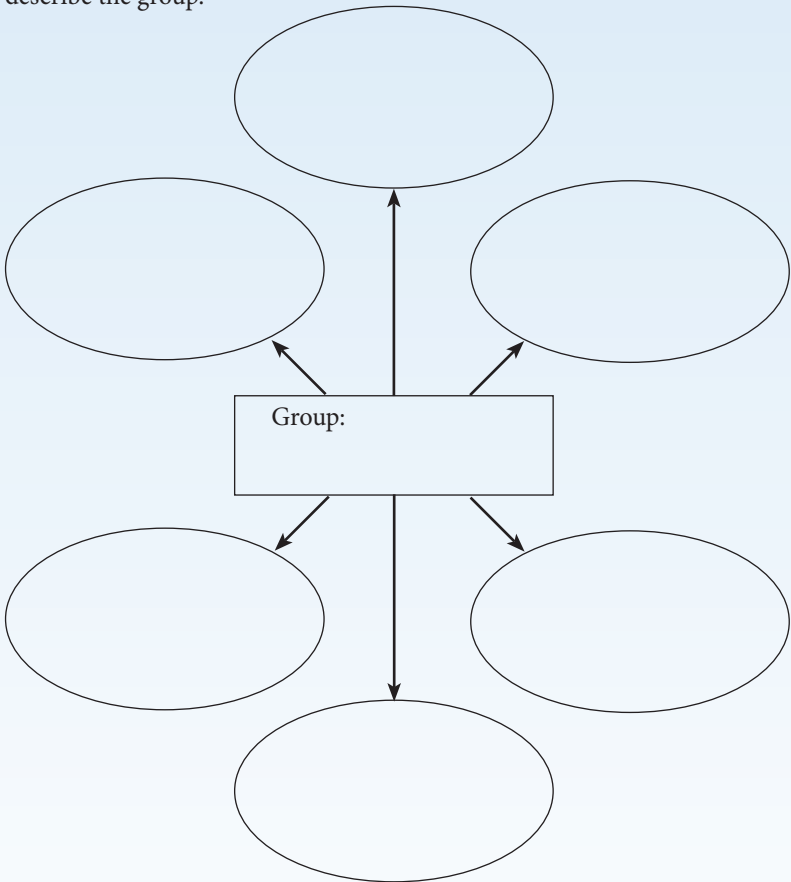
Douglas Corrigan

Accomplishment:

Artifacts:

Earn Your Wings in Texas ***World War II 1940s***

Select one of the WWII groups (**WASP**, **Tuskegee Airmen**, **Flying Tigers**, or the **Royal Air Force**), and create a concept map containing facts that describe the group.



Explain why you chose this group.

Texas in the Cold War and the Space Race

Draw a sketch of an artifact that represents something from the Cold War Era.



Explain why you chose the artifact.

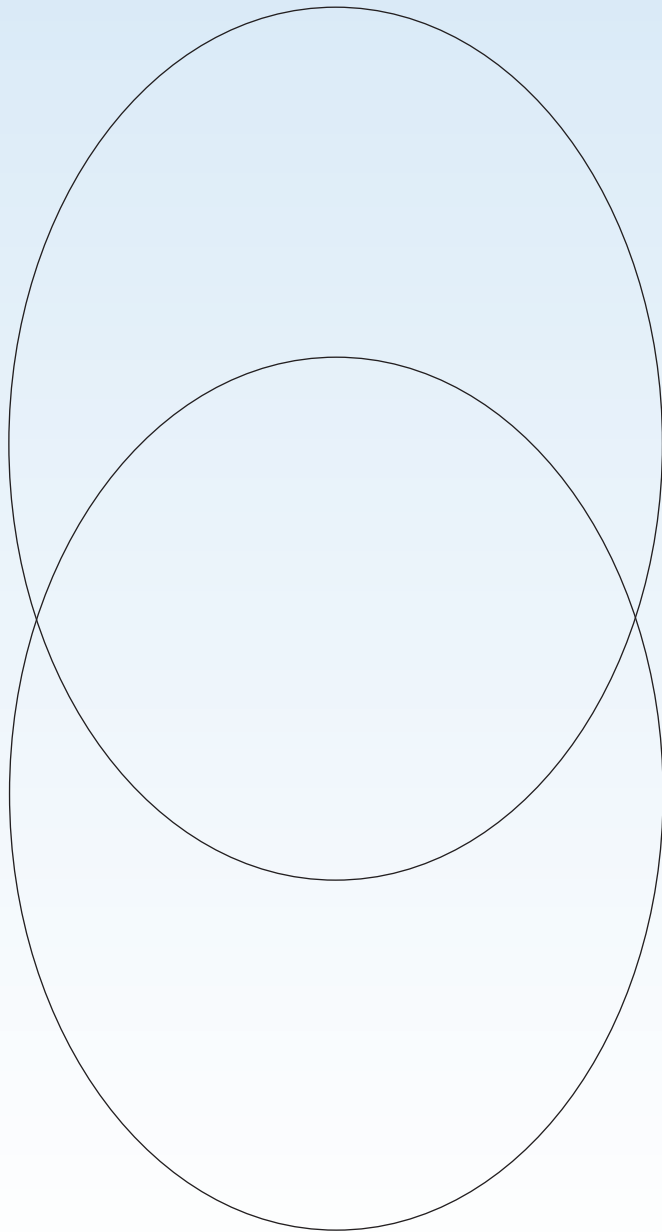
How is this artifact important to the time period?

Texas in the Cold War and the Space Race

Jeana Yeager and **H. Ross Perot Jr.** were known for the records they set in aviation. Identify and list the similarities and differences of their record setting flights.

Jeana Yeager

H. Ross Perot Jr.



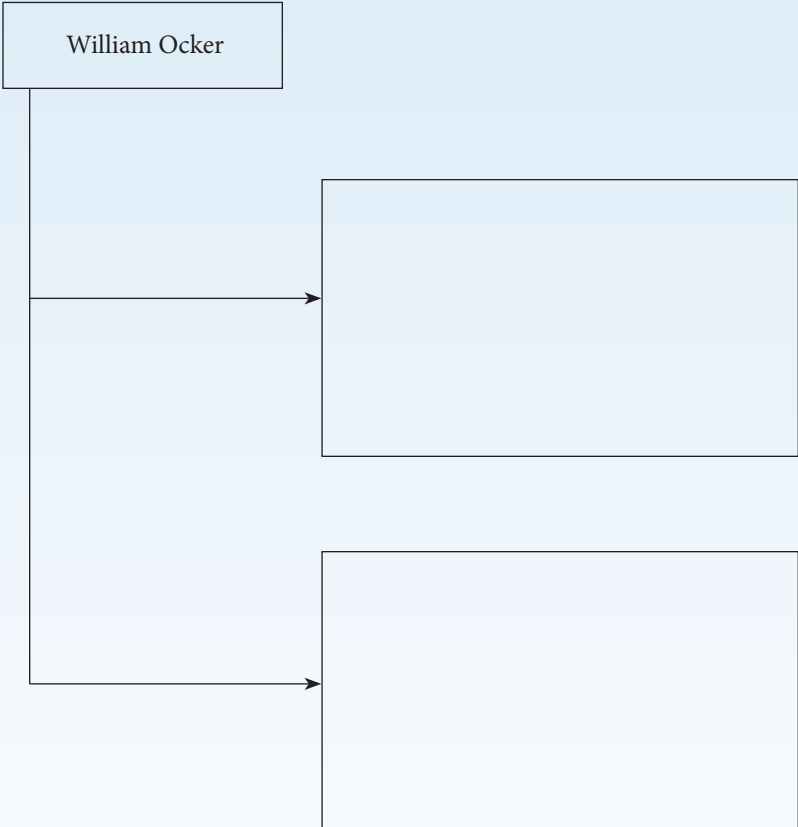
difference

similarity

difference

Texas Manufacturers

Record details about **William Ocker's** developments in aviation.



Explain why you think William Ocker is known as the “father of instrument flying.” _____

Texas Manufacturers

Draw and label an example of an artifact that represents the **Stanzel Brothers'** accomplishments and **Leo Windecker's** accomplishments.

Stanzel	Windecker

Texas Manufacturers

Identify what each manufacturer produces and something else you learned.

Company	What the company produces	Something else you learned about the company
Bell Helicopter		
Mooney Aircraft Company		
American Eurocopter		

Explain which manufacturer you think has the best products and why.

Commercial Air Travel

Identify at least two of the commercial airlines in the exhibit. Write two facts about each.

Name of airline: _____

Fact 1: _____

Fact 2: _____

Name of airline: _____

Fact 1: _____

Fact 2: _____

Explain which airline you would fly with and why.

Privatization of Space

Explain what you think scientists and astronauts will accomplish in space in the future.

What evidence supports your ideas?

Time Flies Timeline

Identify something you learned about ballooning from the timeline.

Try It Out!

Try each of the interactive and hands-on activities stationed throughout the exhibit.

Interactive Game Stations

- Play the *Bessie Coleman Barnstorm* game. Remain on the course to earn as high a score as possible. Perform tricks and hit targets to increase your score.
- Play the *World War II Pilot Training* game. Listen to your trainer, and see how many tasks you can complete.
- Play the *Fuel Mileage* game. See how many questions you can answer correctly to earn fuel for your flight.
- Try your hand at *Air Marshalling* to see how well you can guide an airplane into the proper position at an airport.

Hands-on Stations

- Create a flight plan to trace the flights of famous record setters.
- Observe the wind tunnel to discover how air flows around wings and creates lift.
- Study blueprints and practice building a variety of structures.
- See how well you can control the robotic arm.