

# AIR POWER TOUR HISTORY CONTEST

## B-29 SUPERFORTRESS "FIFI"



### Specifications (B-29)

Engine/Horsepower:	Four Wright 3350 engines rated at 2,200 hp each
Empty Weight:	71,360 lbs.
Max Take-off Weight:	141,100 lbs.
Max Speed:	358 mph
Max Altitude:	31,850 ft.
Range:	4,100 miles
Production:	3,970 built
Crew:	10
Armament:	Two .50 cal. machine guns in each of four remotely controlled turrets, two .50 cal. machine guns and a 20 mm cannon OR three .50 cal. in the tail turret; maximum of 20,000 lbs. of bombs.
Number Flying Today:	2

### QUESTIONS

1. What is the name of the B-29 that dropped the first atomic bomb?
2. Where is the B-29 that dropped the first atomic bomb displayed today?
3. What year was the first B-29 flown?
4. When the CAF found "FIFI", where was it and how was it being used?
5. What was the name of the Japanese city where the first atomic bomb was dropped?

### Resources for Questions

<https://www.airpowersquadron.org/history>

<https://science.howstuffworks.com/boeing-b-29-superfortress1.htm>

# B-24 LIBERATOR “DIAMOND LIL”



## Specifications (B-24)

Engine/Horsepower:	Four Pratt & Whitney Engines rated at 1200 hp each
Empty Weight:	36,500 lbs
Max Take-off Weight:	65,000 lbs
Max Speed:	290 mph
Max Altitude:	28,000 ft.
Range:	2,100 miles
Production:	18,493
Crew:	11
Armament:	Ten .50 cal. machine guns in four turrets and two waist positions. Max of 8,000 lbs of bombs
Number Flying Today:	2

## QUESTIONS

1. Where was the most famous B-24 production plant?
2. At peak production, how fast were B-24s coming out of the factory?
3. During WWII, how was “Diamond Lil” primarily used?
4. What was the purpose of the ad campaign “Rosie the Riveter”?
5. “Diamond Lil” was painted in the colors of the 98<sup>th</sup> BG (Bomb Group). The 98<sup>th</sup> BG participated in the Poesti Raid. What was the purpose of the Raid?

## Resources for Questions

<https://www.warhistoryonline.com/instant-articles/black-sunday-ploesti-raid.html>

<https://www.history.com/topics/world-war-ii/rosie-the-riveter>

<https://www.savethebomberplant.org/save-a-piece-of-history>

# C-45F EXPEDITOR “BUCKET OF BOLTS”



## Specifications (C-45F)

Engine/Horsepower:	Two Pratt & Whitney 450 hp engines
Empty Weight:	6,175 lbs
Max Take-Off Weight:	8,727 lbs
Max Speed:	215 mph
Max Altitude:	21,400 ft.
Range:	850 miles
Production:	9,388
Crew:	1-2
Armament:	Two .30 cal. machine guns and a bomb bay for training only
Number Flying Today:	Approximately 250

## QUESTIONS

1. Which military branch was the first to order the C-45?
2. What was the name of the company that manufactured the C-45?
3. What was the primary use of the C-45 during WWII?
4. What was the civilian designation of the C-45?
5. How many years were both the military and civilian version of the C-45 manufactured?

## Resources for Questions

<https://www.airpowersquadron.org/c-45-expediter>

[http://www.skytamer.com/Beechcraft UC-45F.html](http://www.skytamer.com/Beechcraft_UC-45F.html)

# PT-13 BOEING STEARMAN



## Specifications (PT-13)

Engine/Horsepower:	One Continental R-650 220 hp engine
Empty Weight:	1,936 lbs
Max Take-Off Weight:	2,717lbs
Max Speed:	124 mph
Max Altitude:	11,200 ft.
Range:	505 miles
Production:	10,346
Crew:	1
Armament:	None
Number Flying Today:	Approximately 1,000

## QUESTIONS

1. What was the official name of the PT-13?
2. What name is the PT-13 generally called and where did this name originate?
3. Why is this type of airplane referred to as a biplane?
4. What was the PT-13's primary use in WWII?
5. What was one of the primary civilian uses of the PT-13 after WWII, particularly on the Eastern Shore?

## Resources for Questions

<https://www.airpowersquadron.org/boeing-stearman>

<https://www.revolvy.com/page/Boeing%252DStearman-Model-75>

<https://www.britannica.com/technology/biplane>

## CONTEST RULES

1. Eligibility for contest entry – Any student from grades 6 - 12.
2. Deadline for submission of entries – Midnight May 15, 2019
3. All entries are to be submitted on the attached form to [manager@flySBYairport.com](mailto:manager@flySBYairport.com) or Salisbury Regional Airport, 5485 Airport Terminal Rd, Unit A, Salisbury, MD 21804-1599.
4. Students and parents are encouraged to work together on researching the questions.
5. The first 400 correct contest submissions will receive free passes to tour the aircraft at the Salisbury Regional Airport on June 4, 2019 during the Air Power History Tour hours of operation. Parents/Guardians bringing the student(s) to the SBY Airport for the tour will be responsible for their adult admission fee.
6. All students touring the aircraft will receive a small poster of the aircraft signed by the crew members.
7. Transportation will be provided by Worcester County Public Schools for participating students.
8. Please note that any student 9 years old or younger is free. They must be accompanied by an adult. The adult admission is \$15.

**AIR POWER HISTORY TOUR CONTEST FORM**

**B-29 SUPERFORTRESS "FIFI"**

Questions:

- 1.
- 2.
- 3.
- 4.
- 5.

**B-24 Liberator "Diamond Lil"**

Questions:

- 1.
- 2.
- 3.
- 4.
- 5.

**C-45 Expeditor "Bucket of Bolts"**

Questions:

- 1.
- 2.
- 3.
- 4.
- 5.

**PT-13 Boeing Stearman**

Questions:

- 1.
- 2.
- 3.
- 4.
- 5.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

School: \_\_\_\_\_

Grade: \_\_\_\_\_