



Unraveling the Tech Failures Behind Washington's Fatal Air Collision

Description

On Wednesday night in the US, a passenger plane and a US Army helicopter crashed near Ronald Reagan Washington National Airport. They fell into the Potomac River.

There were 60 passengers, including some famous figure skaters, and 4 crew members on American Airlines flight AA5342 from Wichita, Kansas. Three soldiers were in the helicopter, which was flying for training. Sadly, [no one survived](#) from either aircraft.

This incident happened just over a month after a [plane crashed in South Korea](#) due to a bird strike, which killed most passengers. Both crashes raised concerns about safety in flying.

A system called TCAS helps pilots avoid crashes. It works by checking for other aircraft nearby. If there is a risk of a crash, it alerts the pilots. However, this system does not work well at low altitudes, like during this tragic accident.

Vocabulary List:

1. **Incident** /'ɪn.sɪ.dənt/ (noun): An event or occurrence often unexpected or unusual.
2. **Helicopter** /'hɛlɪ.kɒptər/ (noun): A type of aircraft that is lifted and propelled by one or more horizontal rotors.
3. **Passengers** /'pæsɪndʒərz/ (noun): Persons traveling in a vehicle train ship or aircraft.
4. **Survived** /sər'vaɪvd/ (verb): Continued to live or exist especially after a dangerous event.
5. **Concerns** /kən'sɜːnz/ (noun): Worries or anxieties about a particular issue.
6. **Tragic** /'trædʒɪk/ (adjective): Causing or characterized by extreme distress or sorrow.

Comprehension Questions

Multiple Choice

1. How many passengers and crew members were on American Airlines flight AA5342?

Option: 60 passengers and 4 crew members
Option: 50 passengers and 2 crew members
Option: 70 passengers and 6 crew members
Option: 80 passengers and 8 crew members



2. What type of aircraft crashed near Ronald Reagan Washington National Airport?

- Option: Passenger plane and a US Army helicopter
- Option: Cargo plane
- Option: Private jet
- Option: Military jet

3. What does the TCAS system help pilots avoid?

- Option: Mid-air collisions
- Option: Engine failure
- Option: Weather disruptions
- Option: Landing issues

4. How many soldiers were in the US Army helicopter that crashed?

- Option: Three soldiers
- Option: Five soldiers
- Option: Two soldiers
- Option: Four soldiers

5. Where did the aircraft fall during the incident?

- Option: Potomac River
- Option: Chesapeake Bay
- Option: Atlantic Ocean
- Option: Lake Erie

6. Which location did the American Airlines flight AA5342 depart from?

- Option: Wichita, Kansas
- Option: Los Angeles, California
- Option: New York City, New York
- Option: Miami, Florida

True-False

7. The TCAS system is effective at low altitudes.

8. Both crashes mentioned in the text involved bird strikes.

9. The incident occurred near Ronald Reagan Washington National Airport.



10. The helicopter involved was a commercial airliner.
11. The American Airlines flight had mostly military personnel on board.
12. There were no survivors from the crash of the two aircraft.

Gap-Fill

15. The TCAS system helps pilots avoid _____ by alerting them.
16. The helicopter was on a training _____ before the crash.
17. The incident occurred just over a month after a crash in _____ due to a bird strike.
18. The TCAS system does not work well at _____ altitudes.

Answer

Multiple Choice: 1. 60 passengers and 4 crew members 2. Passenger plane and a US Army helicopter
3. Mid-air collisions 4. Three soldiers 5. Potomac River 6. Wichita, Kansas
True-False: 7. False 8. True 9. True 10. False 11. False 12. True
Gap-Fill: 15. crashes 16. flight 17. South Korea 18. low

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What celestial object is often a subject of scientific research due to its potential impact on Earth?
Option: Meteor
Option: Comet
Option: Asteroid
Option: Galaxy
2. Which substance can impair cognitive functions when consumed excessively?



- Option: Water
- Option: Tea
- Option: Coffee
- Option: Alcohol

3. What is an unexpected event that may cause harm or disruption?

- Option: Routine
- Option: Incident
- Option: Success
- Option: Joy

4. Which type of live bacteria are considered beneficial for gut health?

- Option: Virus
- Option: Parasites
- Option: Fungi
- Option: Probiotics

5. What term is used to describe individuals who did not succumb to a dangerous situation?

- Option: Lost
- Option: Survived
- Option: Trapped
- Option: Drowned

6. Which emotion is characterized by a high level of enthusiasm and anticipation?

- Option: Calm
- Option: Bored
- Option: Excited
- Option: Tired

7. What microorganisms can be both harmful and beneficial to human health?

- Option: Fungi
- Option: Bacteria
- Option: Parasites
- Option: Virus

8. What term relates to mental processes including perception memory and problem-solving?

- Option: Physical
- Option: Emotional
- Option: Cognitive
- Option: Social

9. What systematic investigation aims to discover and interpret facts?

- Option: Guesswork



- Option: Research
- Option: Rumors
- Option: Hearsay

10. What is a place of refuge or safety where people animals or plants are protected?

- Option: Desert
- Option: Sanctuary
- Option: Jungle
- Option: Cave

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. Asteroids can have a significant _____ on Earth if they collide with the planet.
12. Scientists have raised _____ about the potential dangers of certain behaviors.
13. The helicopter crash resulted in a _____ loss of lives.
14. The internet has revolutionized how people are _____ globally.
15. Scientists are conducting groundbreaking _____ on cognitive impairment and Alzheimer's disease.
16. The authorities _____ the path of the asteroid to avoid a collision with Earth.
17. Laughter is _____ and can spread positivity among people.
18. Eating a balanced diet ensures that your body receives essential _____ for good health.
19. Behavioral changes can be observed when people are under the influence of _____.
20. The team of scientists is researching the effects of gut _____ on cognitive function.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The hikers packed essential gear and food for their trip into the wilderness.

22. The farmers were thankful for the abundant precipitation that nourished their crops.



23. The psychologist studied the various reactions and actions exhibited by the subjects.
24. The complex instructions left the students feeling bewildered and puzzled.
25. The rescue team arrived swiftly at the scene of the accident in the mountainous terrain.
26. The travelers boarded the train for a scenic journey through the countryside.
27. The unexpected occurrence led to chaos and confusion in the bustling city center.
28. The workshop encouraged active participation and engagement among the attendees.
29. Globalization has made the world more interlinked and united in various aspects.
30. The children were thrilled and eager about the upcoming holiday festivities.

Answer

Multiple Choice: 1. Asteroid 2. Alcohol 3. Incident 4. Probiotics 5. Survived 6. Excited 7. Bacteria 8. Cognitive 9. Research 10. Sanctuary

Gap-Fill: 11. impact 12. concerns 13. tragic 14. connected 15. research 16. diverted 17. contagious 18. nutrients 19. alcohol 20. research

Matching sentence: 1. Supplies 2. Rainfall 3. Behaviours 4. Confused 5. Helicopter 6. Passengers 7. Incident 8. Interaction 9. Connected 10. Excited

CATEGORY

1. Health - LEVEL1

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