



## **“XPLORATION OUTER SPACE”**

SEASON V - 2018/2019

**FCC FRIENDLY EPISODE WRITE-UPS**

### **SECOND QUARTER**

Week of April 1, 2019 through week of June 17, 2019

#### **Week of April 1, 2019 (Episode #131)**

The InSight Lander is on its way to Mars. Host Emily Calandrelli discovers what it takes to prepare this spacecraft for its mission, learns all about the science it will do once it lands, and feels the power of this historic launch.

#### **Week of April 8, 2019 (Episode #132)**

Do you know which planet in our solar system has a longer day than year? Or why Apollo astronauts were quarantined after returning from the Moon? Learn all this and more as host Emily Calandrelli speaks to two experts about the most fascinating facts about our universe.

#### **Week of April 15, 2019 (Episode #133)**

Host Emily Calandrelli explores the future of space medicine and how we may overcome the challenges ahead. She operates a small surgical robot and 3D prints a custom medical device.

#### **Week of April 22, 2019 (Episode #134)**

Astronauts from the last five decades share stories of their adventures. Scientists and engineers involved with exploring space also give insights to the fascinating worlds within our solar system.

#### **Week of April 29, 2019 (Episode #135)**

Countless spacecraft, such as Cassini and Galileo, have made invaluable discoveries in our solar system – but they can't last forever. Who decides when and how to end their missions? Host Emily Calandrelli speaks to NASA scientists at the heart of these decisions.

#### **Week of May 06, 2019 (Episode #136)**

Host Emily Calandrelli gets an inside look at some of the coolest jobs in the space industry. From becoming a famous space YouTuber, to smelling items before they go to the International Space Station, these are not your typical careers.



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#### **Week of May 13, 2019 (Episode #137)**

This episode captures Apollo’s most amazing video and audio moments caught on camera including: the famous John F. Kennedy speech at Rice University where he inspires the nation to reach the moon; Kennedy’s never-before- heard private audio in which he voices his doubts about sending a man to the moon; and the first spectacular pictures of Earth ever taken from the moon.

#### **Week of May 20, 2019 (Episode #138)**

This episode features the important “firsts” of the Apollo program. From the first satellite launched by the Soviets called Sputnik; to the first man who flew in space named Yuri Gagarin; the first spacewalk to the first live broadcast in space, many of the monumental achievements of the space race are documented.

#### **Week of May 27, 2019 (Episode #139)**

This episode chronicles several of the major decisions that define the Apollo mission including: the decision to use a lunar module that detached from the command module rather than one giant spaceship landing on the moon; the decision to have Neil Armstrong be the “first man,” and the controversy around it; the decision to move forward after a horrific fire took the lives of three astronauts; and the surprising decision on who should be the first astronauts.

#### **Week of June 3, 2019 (Episode #140)**

Three very different, uniquely talented men came together to form the crew of Apollo 11. Neil Armstrong, the skilled pilot, Buzz Aldrin, the astronaut with a PhD, and Mike Collins, the well-liked pilot of the command module. This episode looks at all three men, not only in their professional capacities, but their personalities as well. They were, as Mike Collins described them, “amiable strangers.”



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#### **Week of June 10, 2019 (Episode #141)**

Before Apollo, there was Gemini, and before Gemini, there was the Mercury program. This episode examines Mercury, the first U.S. program to put a man in space. It looks at the people, such as astronaut John Glenn, the events, such as Alan Shephard's first flight to low earth orbit, and the triumphs of this precursor to Apollo.

#### **Week of June 17, 2019 (Episode #142)**

400,000 people worked in putting a man on the moon. This episode looks at some of the prominent, and not so prominent players who played their parts, including: Frank Borman and Bill Anders, astronauts of Apollo 8; Werner Von Braun, the German scientist who led the team of American scientists and engineers; and Bill Tindall, whose memos to astronauts, scientists, and engineers were indispensable.