COMING TO GIANT SCREENS IN 2020

DINOSAURS OF ANTARCTICA

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Project Partners: Discovery Place (Charlotte, NC); The Field Museum (Chicago, IL); The Franklin Institute (Philadelphia, PA); NHNZ (Natural History New Zealand); The University of Utah—Natural History Museum of Utah

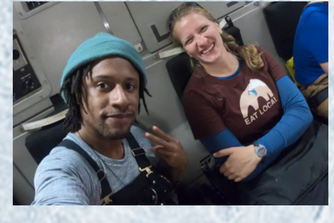
BEYOND THE BONES: USING DINOSAURS A GATEWAY TO THE HISTORY AND TRANSFORMATION OF ANTARCTICA AND THE PLANET'S POLAR ECOSYSTEMS, AND EXPLORING THE FORCES THAT CONTINUE TO SHAPE CLIMATE AND LIFE ON EARTH

Dinosaurs of Antarctica is a giant screen film and outreach project that documents the work of NSF-funded researchers on expeditions to Shackleton Glacier during the 2017-2018 field season. This immersive film and companion television special will bring the past to life and engage the public, and particularly students in middle grades (6-9), with polar science through appealing, entertaining media experiences and informal learning programs. The film serves as a companion for the synonymous *Antarctic Dinosaurs* museum exhibition (developed by the Field Museum and several partner institutions).

BIG IDEAS:

- Dinosaurs as a gateway to polar science, climate change, evolution, and more
- A nuanced, multi-disciplinary interpretation of paleontology and Earth's profound changes
- Inclusive storytelling and programming
- Improved integration of film content and educational outreach into museum mission programming

A COMPELLING SCIENCE ADVENTURE: EXPEDITIONS TO ANTARCTICA

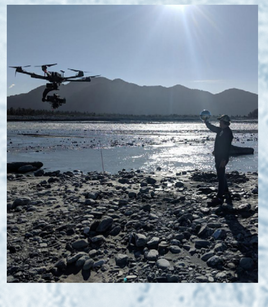


Projects filmed in Antarctica were supported by NSF Grants #1341304, *Collaborative Research: Understanding the Evolution of High-Latitude Permo-Triassic Paleoenvironments and Their Vertebrate Communities* and #1443546, *Collaborative Research: Permian and Triassic Icehouse to Greenhouse Paleoenvironments and Paleobotany in the Shackleton Glacier Area, Antarctica.*

FILM AND OUTREACH PROJECT COMPONENTS:

- A giant screen film in 2D and 3D formats
- A television special
- An "educational toolkit" of flexible, multi-media resources and experiences for informal use
- A "Field Camp"-themed Antarctic science intervention for middle school students
- An *Antarctic Dinosaurs* comic book and presentations by author G. Neri, produced for young people (including non-readers and at-risk youth who typically lack access to science and nature)
- Presentations and public programs with scientists featured in the film

IN PRODUCTION



Dinosaurs of Antarctica film, television special and comic to be released globally in 2020

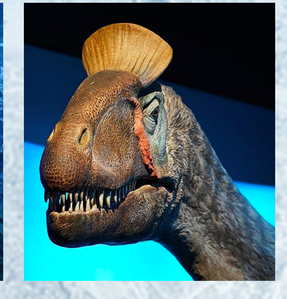
HOW CAN WE MAKE POLAR SCIENCE RELEVANT AND INCLUSIVE?

- Building on the charismatic appeal of dinosaurs
- Broadening participation:
  - Role models underrepresented in STEM
  - Summer learning interventions
  - Artistic interpretations of Antarctic Science

HOW CAN FILMS ENHANCE LEARNING IN MUSEUM SETTINGS, PARTICULARLY IN ASSOCIATION WITH EXHIBITIONS AND OTHER PROGRAMS?

- A knowledge building study will examine film with the *Antarctic Dinosaurs* companion exhibition and outreach programs
- How do these experiences interact to create deeper learning?

ANTARCTIC DINOSAURS: A COMPANION EXHIBITION EXPERIENCE



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