古植物学的故事 461 期[总第 462 期]
Story of Paleobotany Series (No.461) [The 462nd issue in total]
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2016-6-2 23:18

Dr. Regan Elizabeth Dunn is currently a post-doctoral researcher of the Currano Paleoecology Lab within the Department of Botany, University of Wyoming, Laramie, WY. Regan E. Dunn began her paleobotanical training in the Department of Botany, University of Wyoming, Laramie, WY, and received her M.Sc. degree in 2003. She worked as geologist (paleobotanist) for National Park Service for John Day Fossil Beds National Monument at Kimberly, Oregon in 2003—2008. Regan E. Dunn received her Ph. D. degree from the Department of Biology, University of Washington, Seattle, WA in 2013. Then, Dr. Dunn worked as Geology & Paleontology Collections Manager, University of Washington Burke Museum (Seattle) for 1 year.

∮1 Education background

2013: Ph.D., Department of Biology, University of Washington, Seattle, WA;

2003: M.S. Department of Botany, University of Wyoming, Laramie, WY;

1995: B.Sc., Colorado State University, Fort Collins, CO.

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The basic information of Regan Elizabeth Dunn's M.Sc. thesis is given below:

Title: Correlation of leaf megafossil and palynological data with North American land mammal ages from Paleocene-aged strata of the Ferris and Hanna formations, Hanna Basin, south-central Wyoming / by Regan E. Dunn.

Author: Dunn, Regan E.

Subject(s): Paleobotany -- Paleocene, Paleobotany -- Wyoming -- Carbon County, Paleobotany -- Wyoming -- Hanna Basin.

Description: xiii, 204 leaves, bound : ill. (some col.) ; 29 cm.

Note(s): One col. map on 1 folded leaf in pocket.

Thesis/Dissertation: Thesis (M.S.)--University of Wyoming, 2003.

Bibliography: Includes bibliographical references (leaves 136-157).

Additional Name(s): University of Wyoming. Department of Botany.

OCLC No.: 54093127

The basic information of Regan Elizabeth Dunn's Ph.D. dissertation is as follows:

Title: From cells to canopies : reconstructing vegetation structure and its response to climate change in the middle Cenozoic of Patagonia using phytolith morphology

Author: Regan Elizabeth Dunn

Degree supervisor: Caroline A. E. Strömberg

LCSH and PCI subjects: Paleoecology -- Cenozoic; Paleoecology -- Patagonia (Argentina and Chile); Phytoliths -- Patagonia (Argentina and Chile); Paleoclimatology -- Cenozoic;Paleoclimatology -- Patagonia (Argentina and Chile)

Publisher: Thesis (Ph. D.)--University of Washington,2013.

Publication Date: 2013

Format: 1 online resource (vii, 152 pages) : illustrations (some color), 2 maps (1 color)

Language: English

OCLC Number: 881767622

Alma IZ record number: 99161776451701452

Alma NZ record number: 99318433574101451

∮ 2 Academic statements

Dr. Regan E. Dunn writes: “My research addresses questions in paleoecology involving the interplay between climate, vegetation and faunal evolution through major geologic events. My approach is multi-disciplinary and includes the study of fossil and modern phytoliths, leaves and pollen along with geochronology to reconstruct ancient ecosystems. I am also interested in studying cell characteristics in modern plants to better understand how cell morphology is influenced by the environment and phylogeny. ” Cited from https://regandunn.org/

∮ 3 Recent publications

Dunn, R.E., Le, T., Strömberg, C.A.E, in press, Light environment and epidermal cell morphology in grasses: International Journal of Plant Sciences.

Selkin, P.A., Strömberg, C.A.E., Dunn, R.E. Kohn, M.J., Carlini, A.A., Davies-Vollum, S., Madden, R.H., 2015, Climate, dust, and fire across the Eocene-Oligocene transition, Patagonia: Geology (2015): G36664-1.

Kohn, M. J., Strömberg, C.A.E., Madden, R.H., Dunn, R.E., Evans, S., Palacios, A., Carlini, A., 2015, Quasi-static Eocene-Oligocene climate in Patagonia promotes incremental faunal evolution and mid-Cenozoic global cooling: Palaeogeography, Palaeoclimatology, Palaeoecology, v. 435, p. 24–37.

Dunn, R.E., Strömberg, C.A.E., Madden, R.H., Kohn, M.J., Carlini, A.A. 2015, Linked canopy, climate and faunal change in the Cenozoic of Patagonia: Science, v. 347, p. 258–261.

Dunn, R.E., Madden, R.H., Kohn, M.J., Schmitz, M.D., Strömberg, C.A.E., Carlini, A.A., Ré, G.H., Crowley, J., 2013, A new chronology for middle Eocene–early Miocene South American Land Mammal Ages: GSA Bulletin, v. 125, p. 539–555.

Strömberg, C.A.E., Dunn, R.E., Madden, R.H., Kohn, M.J., and Carlini, A.A., 2013, Decoupling the spread of grasslands from the evolution of "grazers" in South America: Nature Communications. DOI: 10.1038/ncomms2508.

Dillhoff, R.M, Dillhoff, T.A., Dunn, R.E., Myers, J.A., and Strömberg, C.A.E., 2009, Cenozoic paleobotany of the John Day Basin, central Oregon: Geological Society of America Field Guide 15, p. 135-164.

Ellis, B., Johnson, K. R. and Dunn, R. E., 2003, Evidence for an in situ early Paleocene rainforest from Castle Rock, Colorado: Rocky Mountain Geology, v. 38, p. 73–100.

Qigao Sun:
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Umbrella of American palaeobotany--1: An unfinished list of American palaeobotanists

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