

# FOSSIL MYSTERIES

**Was Created with the Support of Experts and Consultants**

## **Anthropologist:**

Gary Haynes, Ph.D., University of Nevada, Reno

## **Archaeologist:**

Stephen Mithen, Ph.D., Reading University, England

## **Biologists:**

Jennifer R. Gillette, Ph.D., Loyola Marymount University

Storrs Olson, Ph.D., National Museum of Natural History, Smithsonian Institution

## **Education Specialists:**

Marianna Adams, Ed.D., Institute for Learning Innovation, (front-end evaluation; educational materials; website)

Dolores Monterrubio Alvarez, (educator and bilingual specialist)

## **Geologists:**

Pat Abbott, Ph.D., San Diego State University

Tanya Atwater, Ph.D., University of California, Santa Barbara

Barry Eakins, Ph.D., Scripps Institution of Oceanography

Gabriele Gruber, Ph.D., Geologisch-Palaontologische & Mineralogische Abteilung, Darmstadt, Germany

Peter Lonsdale, Ph.D., Scripps Institution of Oceanography

Jeff Myers, Ph.D., Western Oregon University

Douglas Nichols, Ph.D., United States Geological Survey, geologist

Maria de Carmen Perrilliat, Ph.D., Universidad Nacional Autónoma de México, Mexico City

Claude Spinosa, Ph.D., Boise State University

Jorge Ledesma Vazquez, Ph.D., Universidad Autónoma de Baja California

Michael Wallawender, Ph.D., San Diego State University

## **Geophysicist:**

David Sandwell, Ph.D., Scripps Institution of Oceanography

## **Paleontologists:**

Larry Agenbroad, Ph.D., University of Northern Arizona

William Akersten, Ph.D., Idaho Museum of Natural History

Francisco Aranda Manteca, Ph.D., Universidad Autónoma de Baja California,

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Add two SDNHM/Fossil Mysteries/Experts and Consultants

Annalisa Berta, Ph.D., San Diego State University  
Kenneth Campbell, Ph.D., Natural History Museum of Los Angeles County  
Matthew W. Colbert, Ph.D., University of Texas  
Walter Coombs, Ph.D., Western New England College  
Phillip Currie, Ph.D., Royal Tyrrell Museum of Paleontology, Canada  
Kyle Davies, Sam Noble Oklahoma Museum of Natural History  
Daryl Domning, Ph.D., Howard University  
Ted Fremd, Ph.D., John Day Fossil Beds  
Mark Goodwin, Ph.D., University of California Berkeley  
David D. Gillette, Ph.D., Museum of Northern Arizona  
Steve Godfrey, Calvert Cliffs Museum  
Michael Gottfried, Ph.D., Michigan State University  
Daniel Guthrie, Ph.D., Claremont Colleges  
Jack Horner, Museum of the Rockies  
James Kirkland, Ph.D., Utah Geological Survey  
Wighart von Koenigswald, Ph.D., Institut für paläontologie Der Universität Bonn, Germany  
Martin Lockley, Ph.D., University of Colorado, Denver  
James Madsen, Ph.D., Dinolab  
Gregory H. McDonald, National Park Service Geologic Resources Division  
Matthew Muhlbachler, Ph.D., American Museum of Natural History  
Robert Purdy, National Museum of Natural History, Smithsonian Institution  
Eric Scott, Ph.D., San Bernardino County Museum  
Christopher Shaw, George C. Page Museum  
Robert Sullivan, Ph.D., State Museum of Pennsylvania  
Blair Van Valkenburgh, Ph.D., University of California, Los Angeles

**Paleogeographer:**

Ron Blakey, North Arizona University

**Photographer:**

François Gohier

**Prehistorian:**

Don Burge, College of Eastern Utah Prehistoric Museum  
Jean Clottes, French Ministry of Culture, Paris

**Sound Editor:**

Paul Murphy, Ph.D.

**Zoologist:**

Nabuyuki Yamaguchi, Ph.D., Department of Zoology, Oxford University, England

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## **Exhibition Fabricators**

The San Diego Natural History Museum conceived *FOSSIL MYSTERIES*. After the National Science Foundation awarded the Museum a planning grant, Museum staff designed the exhibition, with funding for implementation also provided by the National Science Foundation and other matching grants and donations.

SDNHM exhibit planners sought community input while planning and developing *FOSSIL MYSTERIES* through interviews and focus groups with various stakeholders including a wide range of educators and students, Spanish-speakers, people with special needs, youth, families, Museum visitors, staff, docents, and board members. In addition, an interactive website was created to facilitate peer review of the exhibition plan from science and exhibit professionals across the nation.

Staff members contributed expertise in paleontology and geological studies, especially Brad Riney, Richard Cerutti, Scott Rugh, Melissa Anderson, Pat Sena, Hugh Wagner, Don Swanson, Kesler Randall, Mark Roeder, and volunteer Pat Donvito.

Technical expertise in fossil preparation, molding, and casting enhanced the exhibited specimens—especially the work of Fritz Clark (deceased), Maggie Hart, and Don Jeffrey. Welding and braising skills of Josh Payne, Alfredo Duenas, and Don Jeffrey created the original fitted-metal mounts for all fossils exhibited.

Scott Tremor and Phil Unitt offered guidance regarding birds and mammals and Jon Rebman provided invaluable botanical data. All graphic design was produced by the Museum's art department with the help of Mary Lou Morreal, Elle Wilks-Stokes, and Carter Tatum. Ana Grinberg-Vandersip managed the exhibit database, and organized the sound production and exhibition archives. SDNHM librarian Margaret Dykens located references. Paisley Cato provided advice on archivally appropriate materials for specimen mounts and inventory registration for specimens. All website components were produced by the Museum's Webteam under the direction of Debbie Walden.

Jim Melli, staff artist, sculpted exquisite scale models for most of the full-sized sculptural creations, helped direct the creation of the Eocene Diorama, and contributed illustrations for many of the graphic panels. Michael Field drew all the design drawings, helped supervise the installation, and served as a core member of the development team along with Nancy Owens Renner, exhibition developer; Lynett Gillette, paleontologist and children's science book writer; exhibition curator paleontologist Tom Deméré; with the guidance of the Museum's program directors Ruth Shelly (now at the Children's Museum in Wisconsin) and Jim Stone; and exhibits department director, Tim Murray.

SDNHM contracted with the Exhibit Services of the Science Museum of Minnesota for the fabrication of interactive components, and all of the furniture, platforms, railings, and lighting, plus project management and installation assistance. The Minnesota team has extensive experience working on exhibitions, including: *Bears; Hunters in the Sky; After the Dinosaurs: When Crocodiles Ruled*, and *Playing with Time*.

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Add four SDNHM/Fossil Mysteries/Experts and Consultants

### **Exhibition Subcontractors**

ArcScience: overhead map, arc maps, OmniGlobe

Atomic Props: megalodon shark

Berkeley Bronze Foundry: bronze cast

Bill Evarts: photographer

Blue Rhino: American lion and cave, Eocene diorama with large trees and animals, pterodactyl, baby mastodon

Doug Henderson: illustrator

Doug Von Gausig, Nature Songs: sound recorder

Dramatic Effects, Inc.'s Jon Erikson: K/T extinction gallery

Gordon Hempton, sound tracker: sound recorder

Jay D. Salter: sound recorder

Lost Art Sculpture's Bill Monteleone: brontothere adult and baby; sea cow and baby

Lynn Isaacson: condor case

Maxilla and Mandible: cast of Eocene primate

Michael Collier: aerial photographer

Museum Productions' Richard Webber: steel sculpture mounts

Research Casting International, Canada: dinosaur skeletons (*Lambeosaurus*, *Albertosaurus*) with sculpted flesh on one side

Tim Gunther: illustrator

Valley Anatomical: giant ground sloth mount, casts of fossil and modern animals, fossil mounts

William Stout: muralist

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Contact: Delle Willett, Director of Marketing

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