

**AUTHORS**

Carol Hill (NSS#8449) is a geologist and the author of *Cave Minerals of the World*, *Geology of Carlsbad Caverns*, and *Geology of the Delaware Basin*. She has worked for over 30 years in the caves of the Guadalupe Mountains. Presently, she is studying caves and ore deposits in the Grand Canyon.

Robert H. Buecher is a registered professional engineer and land surveyor. He has a bachelors degree in civil engineering from the University of Arizona. He was project manager of the baseline studies of Kartchner Caverns for Arizona Conservation Project, Inc.

Gary Tenen is one of the two discoverers of Kartchner Caverns and was the first person to enter the main cave. With his wife Judy, he owns and operates an "Alphagraphics" quick-print franchise in Tucson, Arizona. Tenen is a Fellow of the National Speleological Society.

Randy Tufts, Ph.D., is one of the two discoverers of Kartchner Caverns. He is a researcher at the Lunar and Planetary Lab at the University of Arizona in Tucson, where he studies the geology of Jupiter's moon, Europa. Tufts is a Fellow of the National Speleological Society.

David H. Jagnow is a consulting petroleum geologist in Albuquerque, and also does venture capital financing. He is a life member of the NSS, NSS Conservation Chairman, NSS Conservation Award recipient, NSS Fellow, and has explored and studied the caves of New Mexico and Arizona for the past 28 years.

Charles G. Graf has worked for 20+ years in groundwater assessment, remediation, and protection. A Registered Geologist in Arizona, he serves as Deputy Director of the Water Quality Division, Arizona Department of Environmental Quality. He began caving while attending Arizona State University.

Arthur Lange (NSS#1221) is President of Karst Geophysics, Inc. of Golden, Colorado, where he specializes in the detection and mapping of caverns and groundwater conduits from the surface. He has been an officer in the Stanford Grotto and editor of the publications *Cave Studies* and *Caves and Karst*.

Cal Welbourn, an acarologist with the Florida Department of Agriculture & Consumer Services, Gainesville, received his PhD in 1985 from Ohio State University, Columbus. He has caved for more than 25 years in the United States, China, and Europe, and has worked on National Park Service, Bureau of Land Management, and U.S. Forest Service projects.

Ronnie Sidner has conducted field studies of bat populations since 1980 for various state and federal agencies and for her

graduate research on bat demography. She received a Ph.D. at the University of Arizona, where she is currently teaching a course as an adjunct assistant professor in ecology. Also a self-employed, consulting mammalogist, she has been monitoring cave roosts and activities of endangered nectar-feeding bats in Arizona for ten years for the US Army.

Debbie Buecher has been exploring caves and supporting scientific cave research for 29 years. Her interest in bats led her to complete a degree in biology at the University of Arizona. She volunteered hundreds of hours of work on the Kartchner Caverns baseline studies as cartographer and field technician.

Dr. Owen Kent Davis is a Professor in the Department of Geosciences, University of Arizona. He teaches classes on Environmental Geology and Palynology, and has written 4 books and 178 other publications. He was born March 13, 1949, in Nampa, Idaho, and received his Ph.D. in Ecology.

**PHOTO CREDITS****Front Cover**

Debbie Buecher next to "Kartchner Towers", a group of large stalagmites in the Big Room of Kartchner Caverns. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department.

**Back Cover**

Randy Gruss admiring the stalactites hanging from the ceiling of the Throne Room Overlook of Kartchner Caverns. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department.

**Title Page**

Debbie Buecher next to a wall of stalagmites and draperies in the Big Room of Kartchner Caverns. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department.

**Kartchner Caverns Photo Gallery**

Soda Straws and helictites hang from the ceiling of the Rotunda Room. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department (top left).

Stalactites with crystalline tips in Sue's Room at the end of Kartchner Caverns. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department (bottom left).

Translucent draperies hand from the ceiling of the Throne Room Overlook. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department (top right).

Caver, Steve Holland, peers through the Blowhole. This hole was enlarged by Gary Tenen and Randy Tufts and led to the discovery of Kartchner Caverns. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department (bottom right).

**Previous Page**

Roland Browne admires the Angel Wing shield in a side passage off the Subway Tunnel in Kartchner Caverns. Photo by K.L. Day, A.C.P.I./Arizona State Parks Department.