

# **Proceedings of the 18th National Cave & Karst Management Symposium**

**St. Louis, Missouri**

October 8-12, 2007

## **Symposium Organizers**

Missouri Department of Conservation

Missouri Caves & Karst Conservancy

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## **Published in 2008 by**

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Missouri Department of Conservation  
Missouri Caves & Karst Conservancy

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West Virginia Cave Conservancy

### **Special Thanks**

Holiday Inn/Viking Conference Center  
Meramec Caverns  
Meramec State Park  
Powder Valley Conservation Nature Center  
Schlafly Beer

## 2007 NCKMS STAFF

|                                                                                             |                                                                                                                       |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Chairman                                                                                    | William R. Elliott                                                                                                    |
| Co-Chairman                                                                                 | Jim Kaufmann                                                                                                          |
| Volunteer Coordinator                                                                       | Alicia Lewis                                                                                                          |
| Treasurers                                                                                  | Keturah & Jim Kaufmann                                                                                                |
| Bats Workshop                                                                               | Jim Kennedy                                                                                                           |
| Project Underground Workshop                                                                | Carol Zokaite                                                                                                         |
| Illinois Karst Field Trip                                                                   | Philip Moss                                                                                                           |
| Program                                                                                     | Jim Kaufmann                                                                                                          |
| Audio-Visual Coordinator                                                                    | Eugene Vale                                                                                                           |
| Cave Management                                                                             | Julian J. Lewis                                                                                                       |
| Cave Life Studies                                                                           | David C. Ashley                                                                                                       |
| Cave Management by Cavers                                                                   | Jonathan Beard                                                                                                        |
| Caves in Crisis Photo Exhibit                                                               | Tamie Yegge & William R. Elliott                                                                                      |
| Panel: Managing Caves in the 21st Century                                                   | William R. Elliott (moderator), George Veni,<br>Tom Aley, Jim Kennedy, Jim Kaufmann,<br>David C. Ashley & Don Johnson |
| Powder Valley Nature Center Reception                                                       | Judy Bethel                                                                                                           |
| Meramec State Park Field Trip                                                               | Brian Wilcox, Jo Schaper & Eugene Vale                                                                                |
| Meramec Caverns Guides                                                                      | Dwight Weaver, Tom Aley, Paul Hauck,<br>Lee West & Ricky Barnes                                                       |
| Meramec Caverns Dinner                                                                      | Judy & Les Turilli & staff                                                                                            |
| Karst Groundwater & Land Management                                                         | Tom Aley                                                                                                              |
| World Karst                                                                                 | Bern Szukalski                                                                                                        |
| Paleoecology                                                                                | Blaine Schubert                                                                                                       |
| Posters                                                                                     | Jim Kaufmann                                                                                                          |
| Banquet                                                                                     | Alicia Lewis & Jim Kaufmann                                                                                           |
| Banquet Speaker                                                                             | Blaine Schubert                                                                                                       |
| Managing Caves on Public Lands                                                              | James R. Goodbar                                                                                                      |
| Urban Karst                                                                                 | Jim Kaufmann                                                                                                          |
| Urban Karst Field Trip, St. Louis                                                           | Bob Criss                                                                                                             |
| Front cover logo                                                                            | Bryan McAllister                                                                                                      |
| Back cover photos by Michael Carter of restoration work in Fisher Cave, Meramec State Park: |                                                                                                                       |
| Matt Tenny and Jason Hardinger clean a stalagmite to be reattached.                         |                                                                                                                       |
| Jonathan Beard glues a stalagmite together.                                                 |                                                                                                                       |

### Volunteers:

|                    |                  |
|--------------------|------------------|
| Brian Andrich      | Bill Kacerovskis |
| Mark Andrich       | Bryan McAllister |
| Jon Beard          | Jodi Miles       |
| Stephen Brandebura | Lisa Mobley      |
| Leonard Butts      | Philip Moss      |
| Michael Carter     | Philip Newell    |
| Jeff Crews         | Eric Otto        |
| Bob Criss          | Jo Schaper       |
| Douglas Foster     | Eugene Vale      |
| Paul Hauck         | Lois Walsh       |
| Paul Hummel        | Joe Walsh        |
|                    | David Webster    |
|                    | Shawn Williams   |