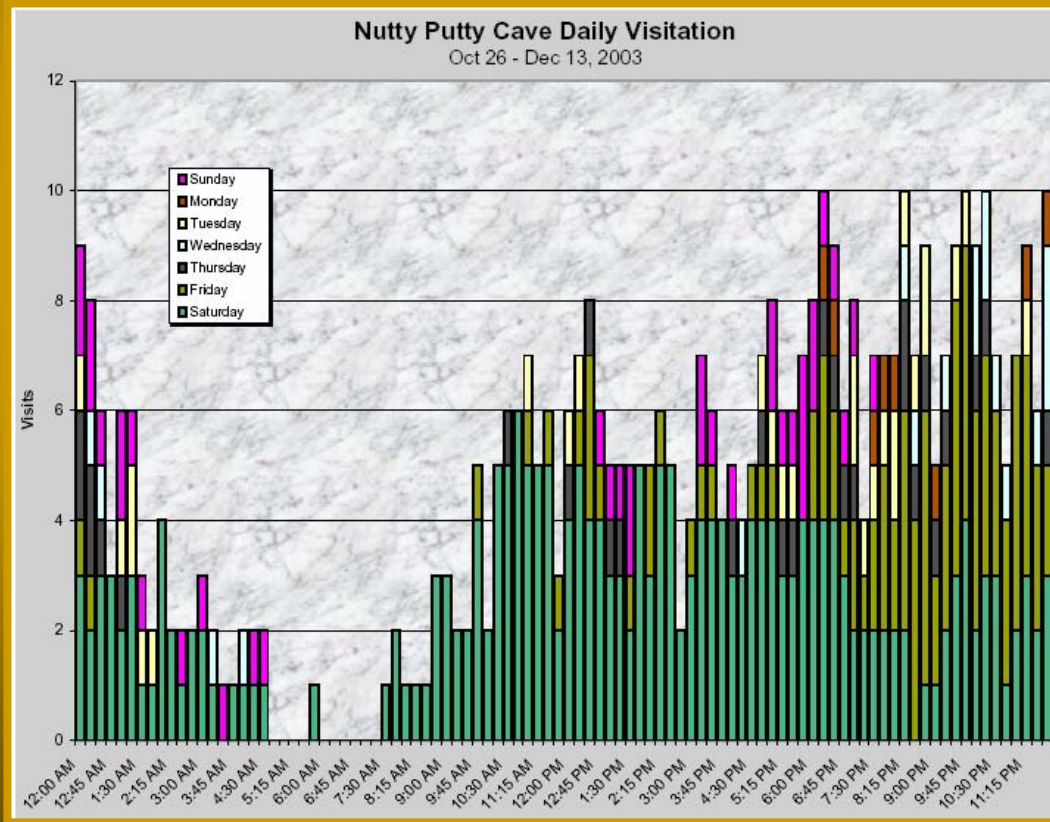


# Unprepared Leaders and Kids Go Caving



Typical outfitted visitors

# Visitors Are There at All Imaginable Hours.



# Accidents Are Waiting to Happen.



A fixed rope with worn sheath



Blood trail from a head injury

# Something Must Be Done



To Get Cavers Involved



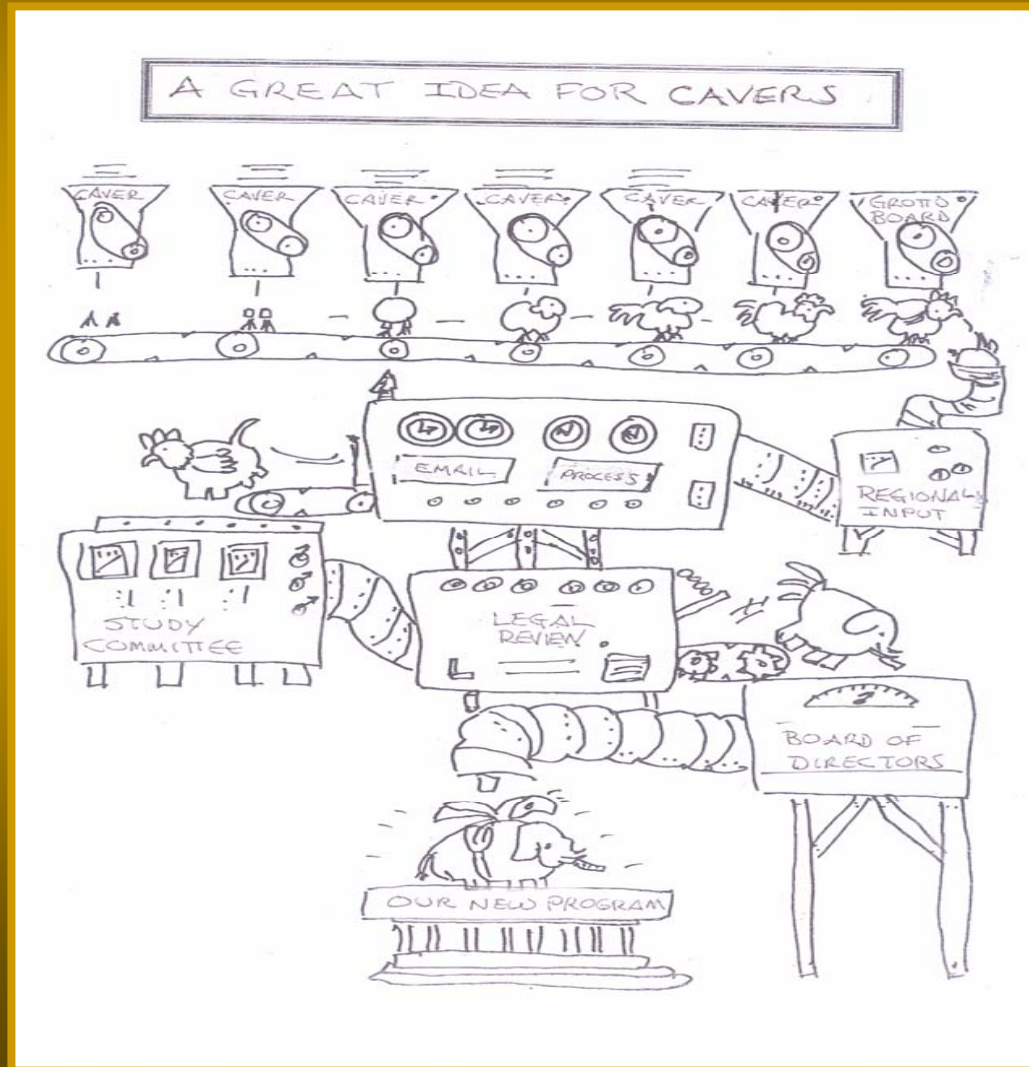
# A Safe Caving Project

Utah National Parks Council, BSA  
NSS Youth Group Liaison Relations

And

The Timpanogos Grotto, NSS

# Two Committees Lead the Project



# A Committee of Three



# A Committee of Many

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☐ Brandon Kowalas (E-mail)	brandon@caveutah.com
☐ Brian Zwahlen (E-mail)	brian@bigcanyonranch.org
☐ Carson Mellott (E-mail)	Camellott3@aol.com
☐ Cody Beardall (E-mail)	cbeerdall@msn.com
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☐ Harold Jacklin (E-mail)	jhar541@netscape.net
☐ Jeremy Jackson (E-mail)	jjackson@uofu.net
☐ Judith McCullen (E-mail)	mcculju@hotmail.com
☐ Keith Christenson (E-mail)	tropicalbats@hotmail.com
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☐ Steve Roper (E-mail)	sgr_pa@yahoo.com.
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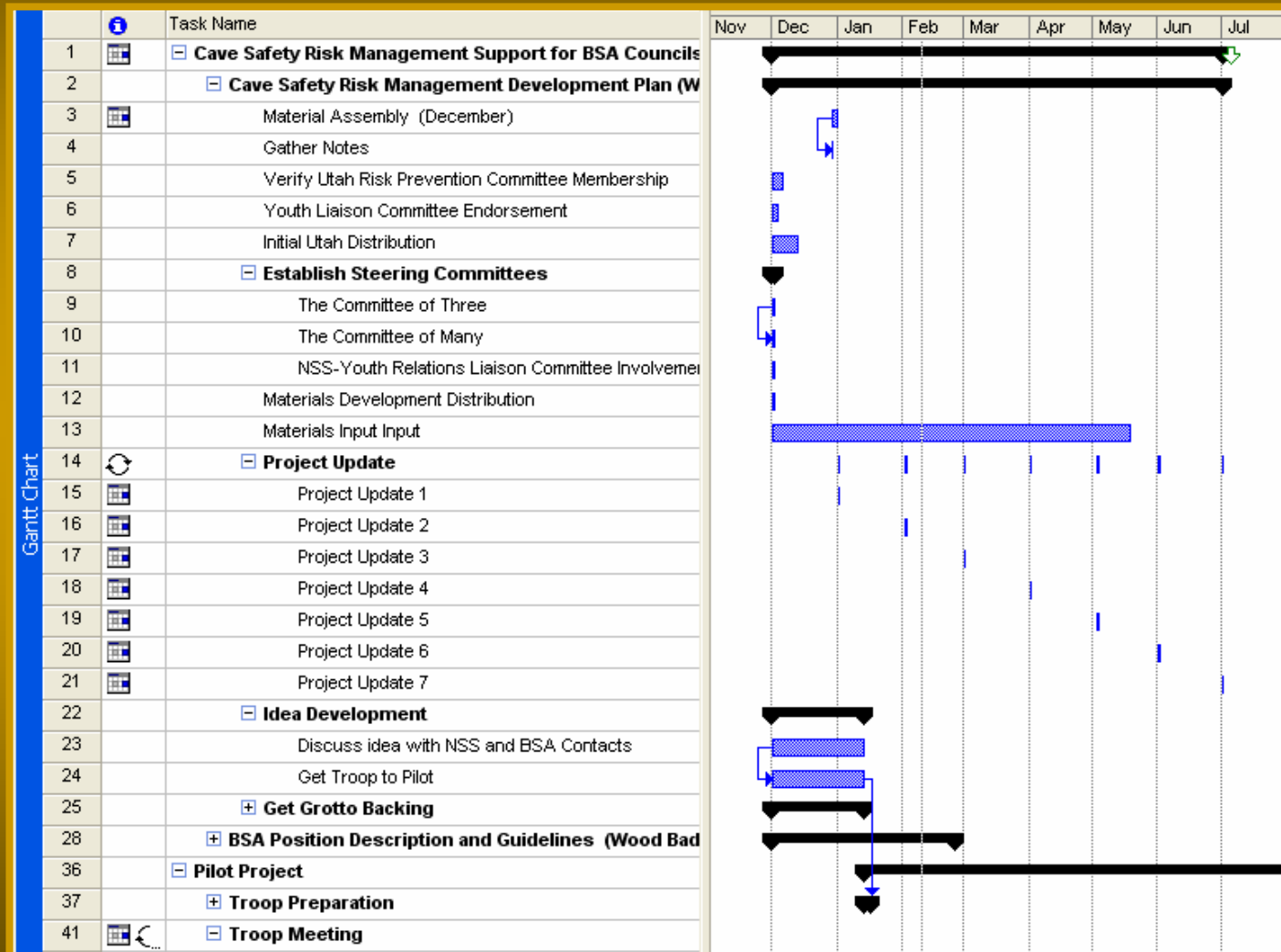
# Two Scout Leaders

1. Phil Brown
2. Carson Mellott

# Groups Represented

1. National Speleological Society- Youth Group Relations Committee
2. American Cave Conservation Association
3. Timpanogos Grotto
4. Utah National Parks Council Health and Safety Committee
5. Utah School Land Trust – Nutty Putty Land Owner
6. National Park Service
7. National Outdoor Leadership School
8. US Forest Service
9. Bureau of Land Management

# Planned Completion = July 4, 2004



# Grotto Input

- Caving Topic Presenters
  - Climb On Instruction (BSA Certified)
  - First Aid Instruction
  - Knots
  - Basic Equipment
  - Mapping
  - Cave Maneuvering
  - Conservation
  - No Trace Caving
  - Caving Ethics
  - Vertical Demonstrations

# TIER 1

## Commercial Caves

 **Timpanogos Cave**  
Virtual Field Trip

**Explore the Caves**



**Great Basin On Line**  
The official web site of Great Basin National Park

*Lehman Cave*

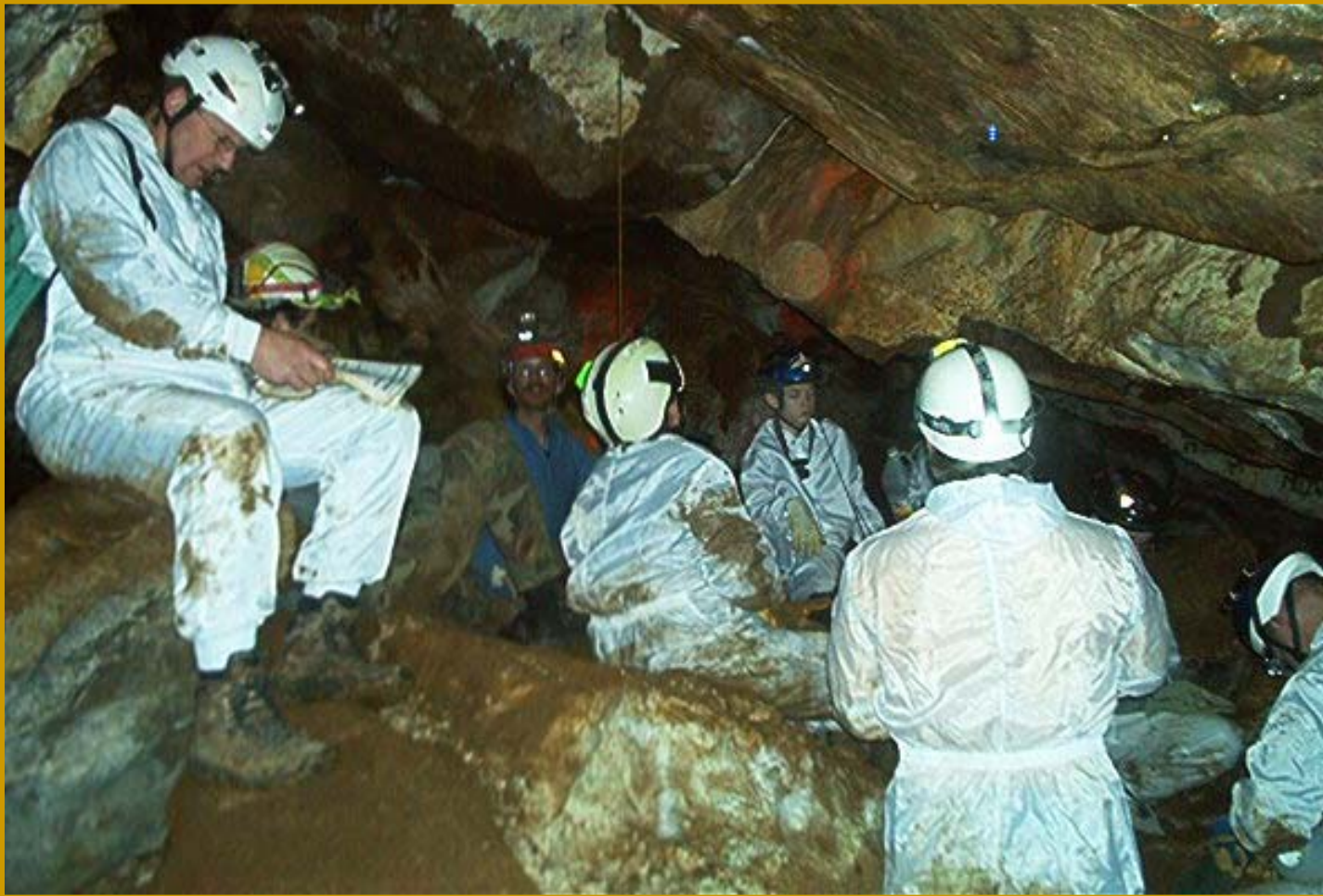


**Minnetonka Cave**  
Paris Idaho



# TIER 2

## Horizontal Caves



# TIER 3

## Vertical Caves



Photo by Brandon Kowallis  
[www.brandonkowallis.com](http://www.brandonkowallis.com)

# Grotto/Scout Leader Input

- Nutty Putty Cave Management Plan
- Nutty Putty Cave Gating and Lease
- Council Leader Orientation Program
- Youth Group Caving Trainers List
- Pre-trip Checklists
- Equipment Check Lists

# Grotto Input Completion Certificate

## Scout Cave Softly Cave Safely

### ACHIEVEMENT

**P**hilroy Brown, Tyler Jones, Brent D Christensen, Trevor J. Stevens, Michael B. Mallory, F. Jacob Mallory, David C. Ball, have successfully participated in Basic Cave Safety and Karst Preservation Training.

**T**his important and innovative program is a Pilot for the National Speleological Society Youth Group Liaison Relations Committee, Utah National Parks Council, Boy Scouts of America and the Timpanogos Grotto of the National Speleological Society



**Brandon Kowallis**  
*Chairman, Timpanogos Grotto*

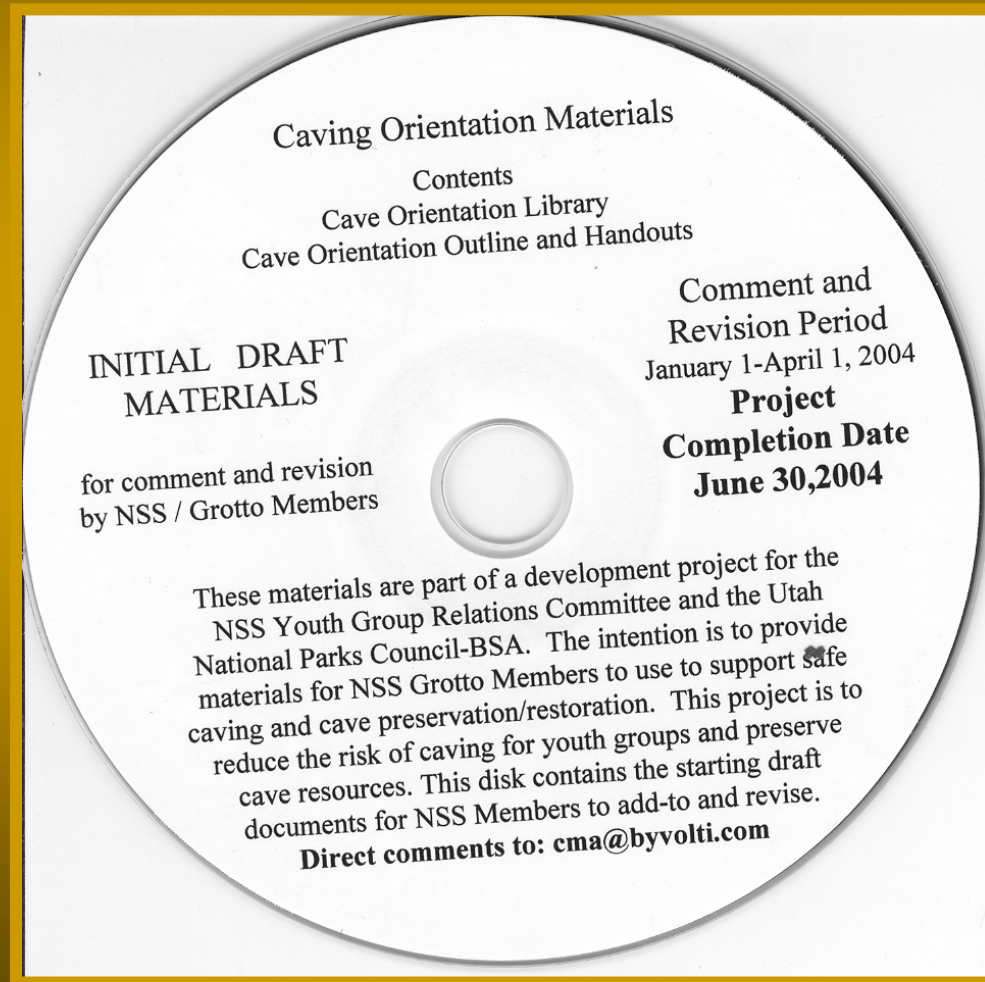
**Charles M. Acklin**  
*National Speleological Society Youth Group Liaison  
Committee*

**Tomas Powell**  
*Utah National Parks Council, Boy Scouts of  
America*

# Spin Off Projects

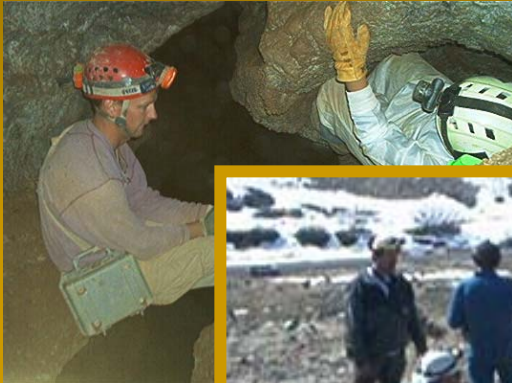
- A Nutty Putty Management Plan – where cavers are working with the landowner and advising the gating and lease arrangement for the cave.
- Cave Trail Rating System – similar to climbing rating.
- Vertical Skills Check off training for Grotto Members.
- Cave Orientation for Youth Group Leaders (Conducted during February).
- Cave Skills Trainers for Youth Groups.
- Grotto Youth Group Relations Officer

# The Results



# The Results

Save Caving



"CAVING IS DANGEROUS

MAKE NO MISTAKE ABOUT THAT. BUT IT IS ALSO TRUE THAT CAVING IS ONLY AS DANGEROUS AS A CAVER MAKES IT."

DAVID R. MCCLURG



# The Results



END OF

IMPROVEMENT

THANK YOU

FOR YOUR PATIENCE

