



# The Cascade Caver

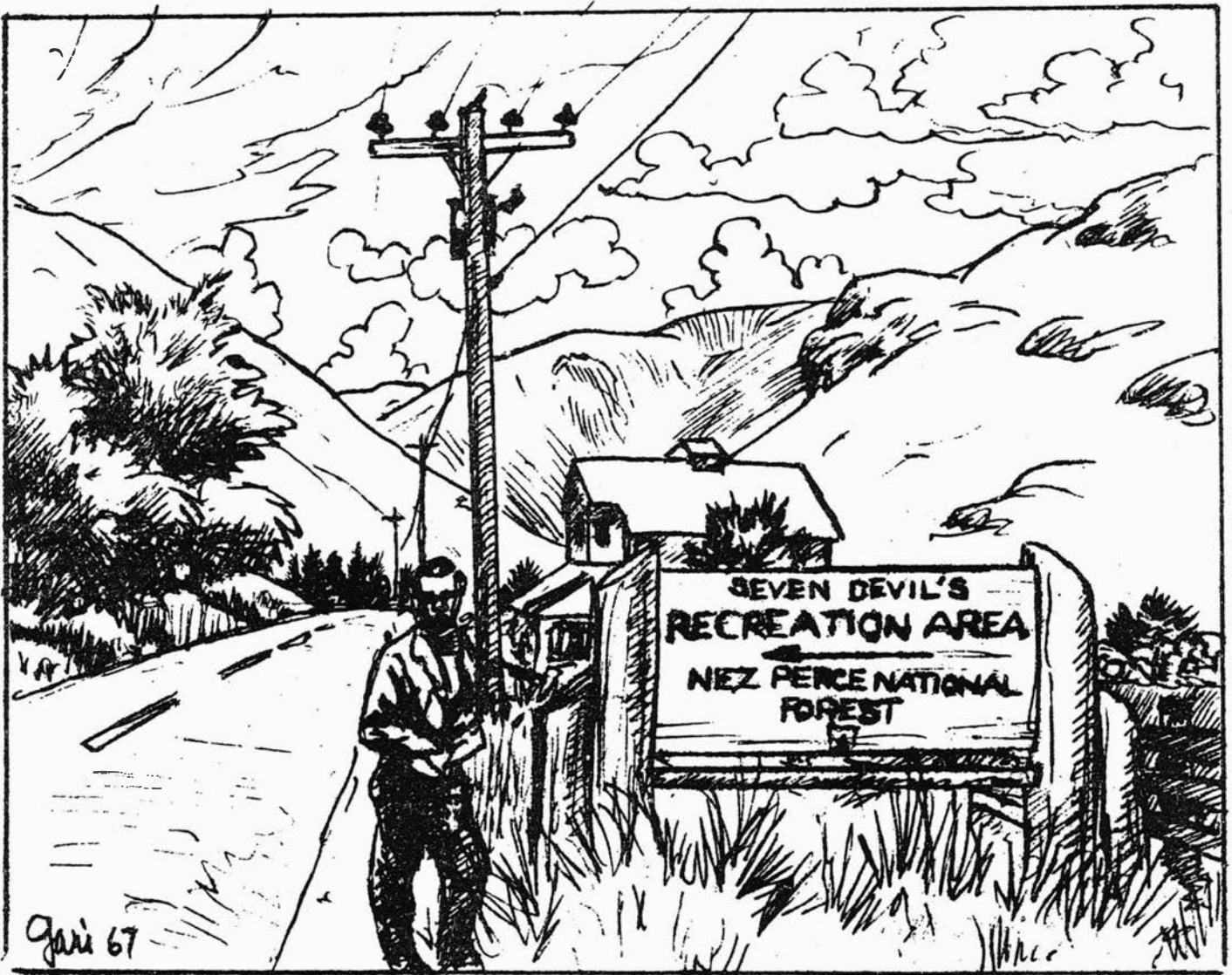
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CASCADE GROTTO N S S.



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Editor: Curt Black

May 1974



- May 3. Rope & vertical session F.C.C. Gym, call Black, 564-0088, or Tom Cunningham, 546-3410, for information on future dates, and times.
- May 5. Concrete caving, and search for Jensens. Call Stan Pugh, SK9-6211,
- May 17 - 19. St. Helens lava tube weekend. Start Friday night with Oregon Grotto Meeting, and continue Saturday and Sunday with caving; including the caves on the other side of Green Mountain.
- May 20. Regular Grotto Meeting at Camp Long, west Seattle. Program will feature Dr. Halliday's slides of east-African Caving. Meeting will start at 8:00 P.M. You are encouraged to come early and try climbing on Sherman rock.. To get there; Exit I-5 at Spokane St. Keep left on the viaduct west for 2 mi. Continue on Fauntleroy Way to 35th Ave. SW. Turn left onto 35th and travel for 6/10 mi to S.W. Dawson St.; turn left again. Camp long sign visible on the corner. At 10:00 the meeting will move to a local pizza parlor.
- May 24 - 27. PAPOOSE CAVE; Memorial Day Mini-Convention, & second International Papoose Culvert Crawl. Also featuring a possible NWCRA practice rescue, & spaghetti feed for cold tired rescuers, and cavers. Call Cunningham, or Black
- June 15 -16. Mt. St. Helens (9,677ft.) Guided trip to rumored steam caves. Call Dr. Halliday, EA4-7474.
- June 19 - 22. Washington Coast littoral cave survey, or trip to Vancouver Island. Call Black.
- July 4 - 7. Cave ridge ice cream feed, and helicopter lottery Call Stan Pugh.
- August 12 - 16. NSS 1974 Convention, Decorah, Iowa. Chartered bus from Portland-- Call Mary White through 573-1782, for information (soon!!).
- August 16 - 23. McMaster University cavers trip to Yorkshire, Cargantuan, and Arotomys. Call Wilschke, 542-2425.
- Labor Day Weekend: NW Regional Convention, Craters of the moon, Id.

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*New Address*

Bob Brown, Rt. 2 Box 389, Battleground, Wa. 98604. Bob has a new job, is working a four day week, and is anxious, considering his location, to do some lava tubing. Cavers are encouraged to drop by if in the area, and according to reliable sources an invitation to stay the night is not hard to come by.

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This months cover is a drawing by Cari Davis, from a photograph by Dr. Halliday, of the road to Papoose Cave; a road that we hope many NW cavers will see this Memorial Day during the Mini-Regional convention, May 24 - 27.

## *Last Months Meeting*

At the last moment, last months meeting place was moved to the apartment of Charles Anderson because of high concentrations of paint fumes in the basement at Camp Long. Because of the move, and because of their inability to find the note I didn't leave, certain grotto members missed the meeting. I'm sorry; Rod, Jan, Tom, Russel, and any others, you have my assurance it won't happen again. (The remodeling is scheduled to be finished by the May meeting) The night started with trip reports from Canada, (13 various holes in the ground including: Cascade, Horne Lake Caves, Crystal, Mammoth Cave (another Cascade discovery -- all 40 - 50 feet of it) Hagars (?), and even the noted Frances Park Caves!) Idaho, (Papoose!!), and some trips getting into the Cascades after a very long winter. Dr. Halliday was offering for sale a large number of caving books, and had his first (and only) copy of American Caves and Caving for people to look at. The meeting was rounded out with further discussion of the Oregon reentry question, and an excellent slide presentation on Texas and Mexican caving; by Robert and Diane Richardson.

CB

### In Clarification

Last months *Caver* read, "...Bob Brown... led a discussion considering the "why nots" of letting (The Oregon Grotto) back in..." I have since realized that I probably couldn't have found more ambiguous terms to describe the discussion. In clarification: Bob Brown, myself, and most grotto members have many friends in the Oregon Grotto; we were sorry to see them leave, and were glad to hear they wanted to come back; possibly out of it's weakened position, or perhaps just out of a desire to lay low, the region hasn't been doing much lately, it's hoped that after putting this event behind us we can get on with the important work of the region. Cascade-Oregon relations, at least as long as I have been observing them, have been characterized by long periods of silence punctuated with arguments, misunderstandings, and even explosions on the semi-official level; it's hoped that through a reunion with the region the grottos will be able to get their official postures down to as cordial a level as our personal relations have always been. In all the discussions this grotto has had considering the reunion question, I have yet to hear any argument against the Oregon Grotto re-joining the NWRA. Clear enough?

CB

## *Features*

TRIP REPORT: Papoose Cave, Idaho  
April 11 - 14

Papoose Cave, near Riggins, Idaho, has the most to offer of any cave within 15 hours of Tacoma; it's an 800+ ft. deep system with easily 2 miles of known passage, (many leads still to be checked) and enough pits and climbs to make it worth double the drive. For these and other reasons Alex Sproul, Bob Brown, Robert & Diane Richardson, and myself made our way east; arriving in Cheney, Wa.

at the home of Dr. Kiver, about 9:00 PM. Here we met Dr. and Mrs. Kiver, Martin Mumma, saw movies and slides, and ate potato chips until late into the night. Awakening after the most pleasant night any of us have ever spent on the way to Papoose, we were greeted with reports of up to 6 inches of new snow between us and Riggins. By following snow plows, and stopping once and a while to watch Robert do respectable imitations of 180° skids we arrived in Riggins at about 3:00 PM. The road to the cave (Pictured on the cover) was snow free at the bottom, but the situation changed rapidly; soon Alex's pride & joy was convincing us that unless we put on the chains, over the conveniently situated cliff we would go. We cruised the remaining 3/4 mile with ease arriving at the campsite at 4:30. Here we met Kathy Mischke who told us that Dave, Bruce Unger, and Fred & Money Spicker (independent Montana cavers) were in the cave, and expected out by 9:00. We set up camp, out they came and the rest of the evening was spent sitting around Alex's catalytic heater conversing.

The next morning we split into three groups: Robert R., Fred, and Bruce decided to make a mad (the word is not inappropriate) dash for the bottom; Alex, Bob B., and Money went on a photographic trip; and David Mischke and myself went on a tour of some places I had wanted to see.

The bottoming group got a bad start, and had quite a bit of bad luck (rephrasing without the euphemism: They got lost). They did make it as far as the 45' pit before being turned back by their better judgement. (did someone say good sense, or was there a mutiny under way?)

The Photographic team didn't have much better luck; the coupling to the meter on Alex's Minolta died, and all exposures were guessed; Money's camera wouldn't function at all (humidity and cold). Despite this Alex got some excellent shots of Satori, and the upper entrance passage.

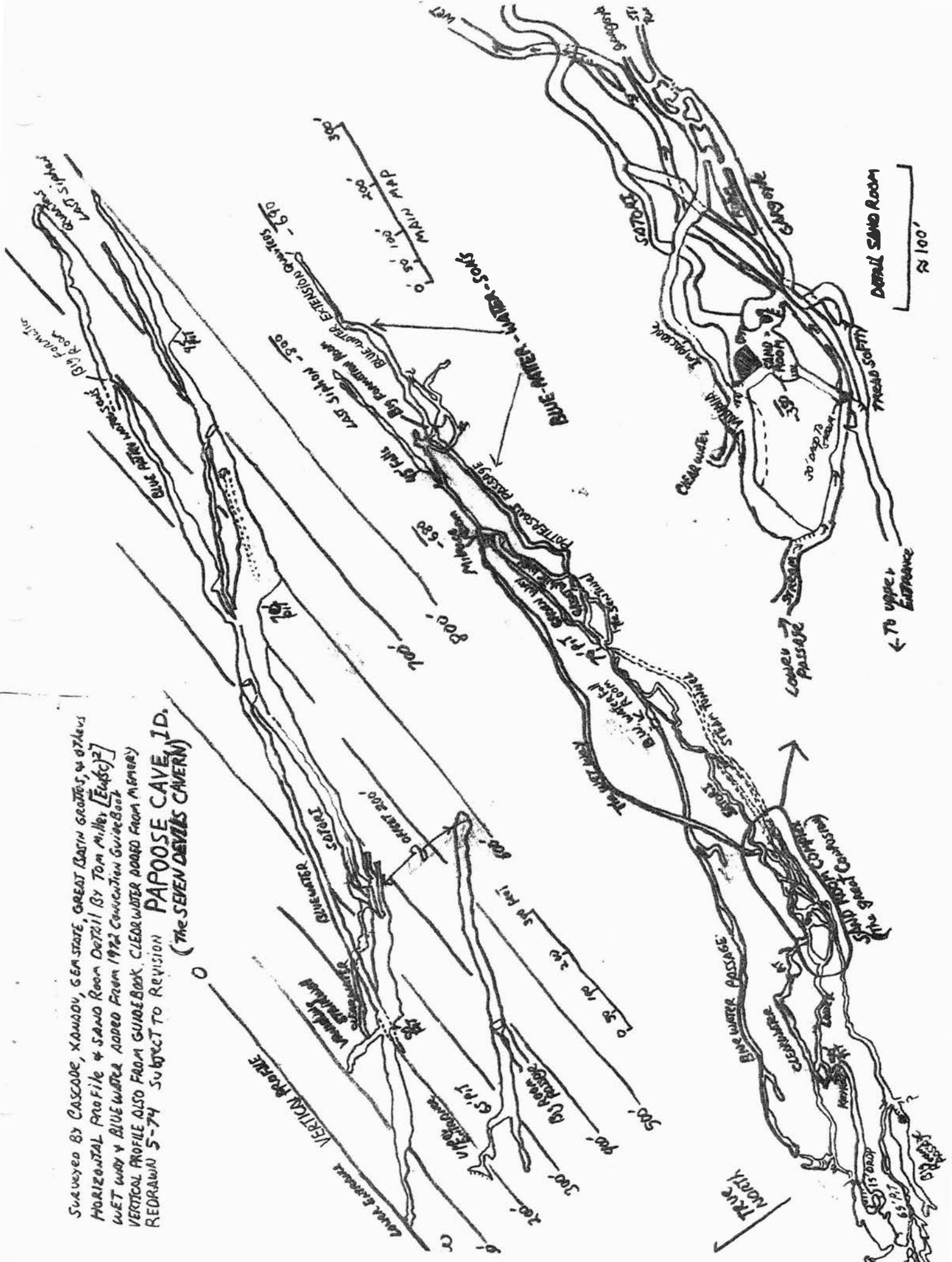
Having heard stories about Dave Mischke's rock climbing abilities, (He has suction cups on the ends of his fingers, and can, at will, sprout wings, and fly across passages) I was somewhat hesitant to join him. However, since he was taking me somewhere I wanted to go - and I couldn't see any suction cups - I followed. It turned out to be one of the most enjoyable trips I have ever had in the cave.

I had always assumed that since no one really went there, the Steam Tunnel/Gargoyle complex was either without beauty, or was so tortuous as to make up for it; I was wrong. Dropping the 50' pit, we proceeded through the Sand Room towards Tread Softly. Cutting back and forth, climbing up through level after level of abandoned, superimposed passage, we finally reached what is considered to be the original level of the cave. Gargoyle, with a low flat ceiling, and soft, powdery dry floor was the most incredibly quiet place I have ever been. All other passages in Papoose have, if not roaring cataracts, at least condensation; here there was nothing but the occasional fizz and hiss of my carbide lamp.

As we continued down the passage the look of Papoose returned; dust gave way to mud, mud gave way to glistening stone. We dropped out of Gargoyle, into the Steam Tunnel, through the Steam Tunnel into Upper Satori. The look of Satori, while beautiful is a beauty different from that of Clearwater, or Valhalla; it's a calcite crust growing over a pool containing dog-tooth spars, helectites growing out of flowstone ledges, or groupings of perfectly clear soda-straws 3 or more feet long. - more subtle than the Pipe Organ in Valhalla, but no less appealing.

We continued on down Upper Satori past the Bluewater Waterfall Room (where Dave did just a little flying) to a point where we could look down 110+ feet through the floor in Blue-Patter-Water-Son's, to the base of the 70' pit. We got there just as the mad-dashers were coming up the pit. We continued on down to the Big Formation Room where we had lunch, and then started out; checking high leads all the way. (well one of us was anyway) We exited by way of lower Satori, and the 50' pit without incident. (But don't let Robert Richardson try and convince you the Key-Hole was easy -- Large quantities of steam, and some interesting sounds,

Surveyed by CASCOE, XANDOU, GEMSTATE, GREAT BATH GRATES, & OTHERS  
 HORIZONTAL PROFILE & SAND ROOM DETAIL BY TOM MILLEY [EUBSC?]  
 WET WAY & BLUE WATER ADDED FROM 1972 CAUCASIAN GUIDEBOOK  
 VERTICAL PROFILE ALSO FROM GUIDEBOOK. CLEAR WATER ADDED FROM M. BERRY  
 REDRAWN 5-74 SUBJECT TO REVISION **PAPOOSE CAVE, ID.**  
 (THE SEVEN DEVILS CAVERN)



preceeded him up the passage; he did fine, but he did fine with effort.) We continued out the culvert gate, on down the mountain to a waiting Blazer, dry clothes, and hot food.

The trip home on Sunday, other than a 1 hours stop to watch hang gliders challenge the White Bird hill, was without incident. Gas was, for the trip as a whole, no problem. (I'm trying not to remember the last 60 miles where, after going through North Bend at 9:30 on Easter Sunday night, we realized that we were going to be spending the night on the highway. Thanks to Alex's skill at coasting down hills (at up to 80+ miles/hr. -- did you know that the lights on a Volkswagen go out when you turn off the engine?) we made it to a station just out of Auburn where we were allowed 2 gallons; enough.)

All in all, as most trips to Papoose are, it was a lot of fun, and we're looking forward to doing it again Memorial Day. You're encouraged to join us!!!

-- Curt Black

### Vulcanospeleological Blooper

Halliday, William R. 1974. American Caves and Caving. N.Y. Harper and Row, P. 47.

Yr. immediate past editor had more of a problem than he realized in getting a basic concept of vulcanospeleology across to the publishers. The idea was that it increasingly appears that most of the island of Hawaii was laid down in successive flows which passed through lava tubes. But with each set of proofs, and manuscript revisions, Harper kept changing it. Finally it came out in the book that the flows solidified into lava tube caverns....

W.R.H.

### Belize-Chiapas Caving/Rafting

In February, and early March, I put in three weeks rafting down the Usumacinta River - it's a journey I've wanted to make for a long time, and in retrospect it was all I hoped it would be. The river goes through some fantastic cave country, in areas of onetime high Mayan population. I met archaeologist Ian Grahm at Piedras Negras; later went caving with him near Chinikaha in Chiapas. Good cave, big upper levels, figurine heads, river passage that we hadn't time to check. Impressive nacimiento just below the entrance outside. Twenty-two of us on the river, mostly Californians, some cavers, five rubber rafts. Beautiful canyons, lots of scarlet macaws flying and howler monkeys howling. Visited two caves on the other side of the river from Yaxchilan -- got grossed out by bats, plus guano, plus army ants (all at once!) -- it's known to have histoplasmosis also. The whole area between Agua Azul and Boca del Cerro has great caving potential, not to mention the more distant hills. And all the rest of Chiapas, for that matter.

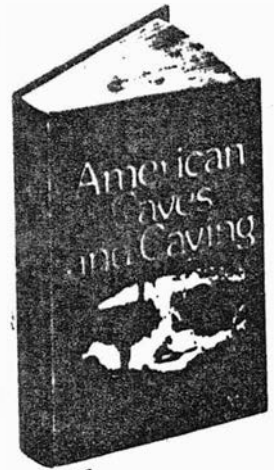
Meanwhile, C.J., and Erro, and Andy Jones did a lot of mapping in St. Herman's Cave, and Caves Branch system. John Hudson recently found some new caves on the Mountain Pine Ridge. Am heading up there soon to take a look. But my mind is still on that river.

-- Barbara MacLeod

# American Caves and Caving

## Techniques, Pleasures, and Safeguards of Modern Cave Exploration

By William R. Halliday, M.D.



### Contents

Introduction 1 Limestone Caves and the Rocks They Inhabit  
2 Lava Tube, Glacier, and Other Types of Caves 3 Wind and Water  
4 Headlamps 5 The Underground Connoisseur 6 Cave Ropes and  
Belaying 7 Vertical Caving--Descending 8 Vertical Caving--As-  
cending 9 Cave Medicine and First Aid 10 Cave Search and Res-  
cue Glossary • Suggested Additional Reading • Equipment  
Sources • Acknowledgments • Index

Dark, dank, winding from a few feet to several miles, barely big enough to wiggle through, then exploding into a subterranean auditorium, caves are as varied as they are mysteriously alluring.

Dr. William R. Halliday's just published book is a delightful guide to just about everything there is to know about American caves and caving -- from how the various types of caves are formed, to several ways to belay, to rib-tickling anecdotes about great - and not so great - spelunkers. indeed, because of it's rare blend of rigorous scholarship, hard-earned practical advice, and refreshing humor, it is no exaggeration to say that American Caves and Caving will undoubtedly become the standard manual of American speleology.

What should you wear when you're caving? Dr. Halliday writes, the cavers garb "should permit instant passage of sweat but not cave water, protect the entire body weightlessly, and immediately adjust to the varied heat transfer situations inherent in the exploration of every cave." Recognizing "this ideal outfit, of course, will never exist," the author, nevertheless, details the best clothing you can use for each type of cave in America.

American Caves and Caving also contains a thorough discussion of spelunking equipment. Here Dr. Halliday meticulously examines assorted types of brakebar rigs, mechanical ascending devices, and ropes. In addition, he devotes an entire chapter to analysis of the strengths and weaknesses of various types of headlamps.

In the last twenty years, vertical caving has become extremely popular. Dr. Halliday lucidly describes various techniques of belaying, vertical ascending and vertical descending. Never a man to mince words, he provides frank reasons for his preferences of where and when to use each basic technique.

Finally, the last two chapters of American Caves and Caving are imperative for any intelligent caver. In "Cave Medicine and First Aid" and "Cave Search and Rescue," the author uses his experience as a doctor and rescuer to provide life-saving do's and don'ts in spelunking emergencies.

-- from the blurb

(American Caves and Caving should be appearing at a bookstore, or grotto meeting near you "soon". -- ed.)

## A PUBLIC ACKNOWLEDGMENT

My advance copy of American Caves and Caving has just arrived, and I regret very much that I must acknowledge problems with the illustrations (which I had previously not had a chance to proofread, or otherwise review). The lack of proofreading is especially evident in a caption referring to "begging plane asastomoses", and spelean twice ended up with an extra a.. A number of the photos, and maps are inserted in places where they are out of context. Bruce Smith, and Bruce Scott (actually the same guy) were credited seperately for adjacent drawings. Instead of Don Rimbach, Jerry Vineyard got credit for one photo (my fault), Luray Caverns got credit for another instead of Pete Hauer (Harper's fault), and Ed Yarborough wasn't credited for another. The composite credit for the Carlsbad map also was omitted entirely.

The biggest problem, however, is in the credits for the other drawings in the vertical caving chapters. As indicated on page 327, most of the work was done by Charley Anderson and Mark Vining; fig. 19, for example is entirely Mark's work. Yet on the list on p. 331 (which was never submitted to me for varification and proofreading), Harper listed them as entirely my own work, which was true of only a few of them. I regret very much that this occurred to mar what is otherwise a very nice book, and wish to make it clear that Charley, and Mark deserve much more credit than they recieved on p. 331.

-- William R. Halliday, M.D.

## SQUAW ROCK RESORT CAVE

Near Squaw Rock Resort on the Natches River between the towns of Natches, and Cliffdale this area is southeast of Chinook Pass. The cave is described as having an entrance 5 feet high and "not so wide", to be a cave and not a mine, and to be located north of the resort.

Bob Bonham (living in Moxee, Wa. just outside of Natches), former owner of the Squaw Rock Resort, knows of the location, as do local forest rangers, and the present owners of the resort.

Let's go get it!

-- Jan Roberts

## RECENT BANDING RESULTS

December 1973

I have recently found bats from our first years bandings at each area so far this year. (These are 1964 - 1965 bats.) We did not get to Spider Cave because of the snow, but we did get to Bat Cave. In the lower east end of Bat Cave we removed some rocks, and crawled some 20 additional feet; we could have kept going but had other things to do.

-- Clyde Senger, W.W.S.C.

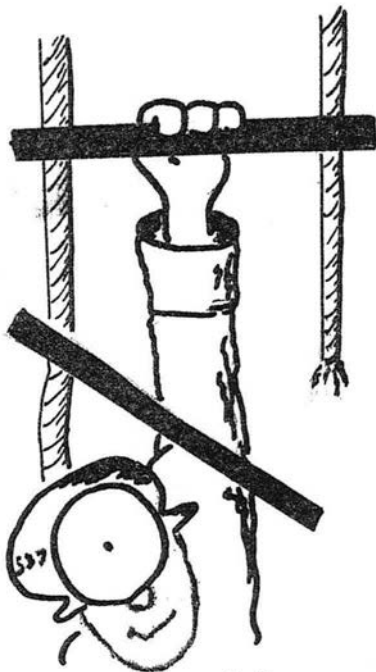
## SOME NOTES FROM ALASKA

April 1974

On New Years Day Julius Rockwell skied into the Byron Glacier to check on the desirability of leading an exploration party the following week. Snow slides had covered both enterences of both glaciers. This has been a bad year for slides with 2 tragedies over the Christmas holidays.

-- Julius Rockwell





*Before I Say  
Goodbye.....*

First, I'd like to thank those people who have been sending material in to the *Caver* - it's very much appreciated. As for the rest of you, spring is bouncing about, and I know your doing something - how about telling me what it is?

Second, while I don't want to be an alarmist, the Cascade Grotto is in need of money. There are a lot of services that we should be providing that, due to money, we aren't; selling cave packs, and cheap bulk carbide are two excellent examples. Raising the dues is not the answer; there are less painful solutions.

One is through increasing the number of people paying dues; by bringing in that large number of "just outside the grotto" cavers, who are caving, and who the grotto was founded to organize. (If you're reading the "*Caver*" - want to, or are going caving, and haven't joined yet -- I mean you)

Another solution is through the the holding of fund raising events. Our fertile minds have already come up with several. A series of Spaghetti Feeds, the first at Papoose, Memorial Day (trial run) the next at, before, or instead of the July meeting at Camp Long, and perhaps one more in August. The **helicopter** lottery was another, but the idea has

hybridized to the point where the helicopter has dropped out (cost). Instead there will be a "Four-day-speleofest/ice-cream-feed/ and all-around-good-time" on Cave Ridge July 4-5-6-7. The ice cream part will be Saturday evening, and Stan Pugh is working out a time plan whereby all those so motivated can, over the 4 days, do every cave on the ridge. An additional idea, from Bob Brown, involved an auction where established cavers could get rid of excess (I checked my closet - I have 4 helmets, 60 # of carbide ect.) equipment, to the benefit of new cavers, and the grotto. Alex Sproul is presently working on producing Mitchell Boxes, and Racks which he has mentioned selling "all profit to the grotto".

I started out by saying I didn't want to be an alarmist: I don't, but I do want to get you excited about what's going to be happening this summer. If all northwest cavers get involved in these things, this can be not only a fantastic summer, but the time when the grotto started providing those services that cavers want, and need.

*Curt Black*

\* - and qualified

(Please send subscriptions, trip reports, additional ideas, and reactions to the address listed on the back cover --ed.)

#### JUST A NOTE

After hearing rumors for over a month, this month's *NSS News* reports that that the NSS office has been paid for in just 3 years. According to the secretary thereby saving \$13,000 in interest payments.

BRITISH DISCOVER VULCANOSPELEOLOGY - and how!

In the last couple of years, British caving and speleological publications have begun to have quite a bit about lava tube caves, and vulcanospeleology. The climax, however, came this month when "British Cave Research Association Transactions" Vol. 1 #1, and "Studies in Speleology" Vol. 2, Part 6, arrived here in the same mail delivery, both containing color photos of lava flowing in a Hawaiian lava tube cave. In the case of the former, it graced the front cover!

The last issue of "Descent" had a short report on the current mapped length of Cueva del Viento on Tenerife - 7,922 m, or 25,990 feet, but it was not clear how much was in which segment. Which reminds me that I'd better get the proceedings of last year's symposium finished up - they hadn't heard of Kazumura Cave, or the one in Korea. Meanwhile, a more formal map, and report will be eagerly awaited.

-- Bill Halliday

*The Cascade Caver*  
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