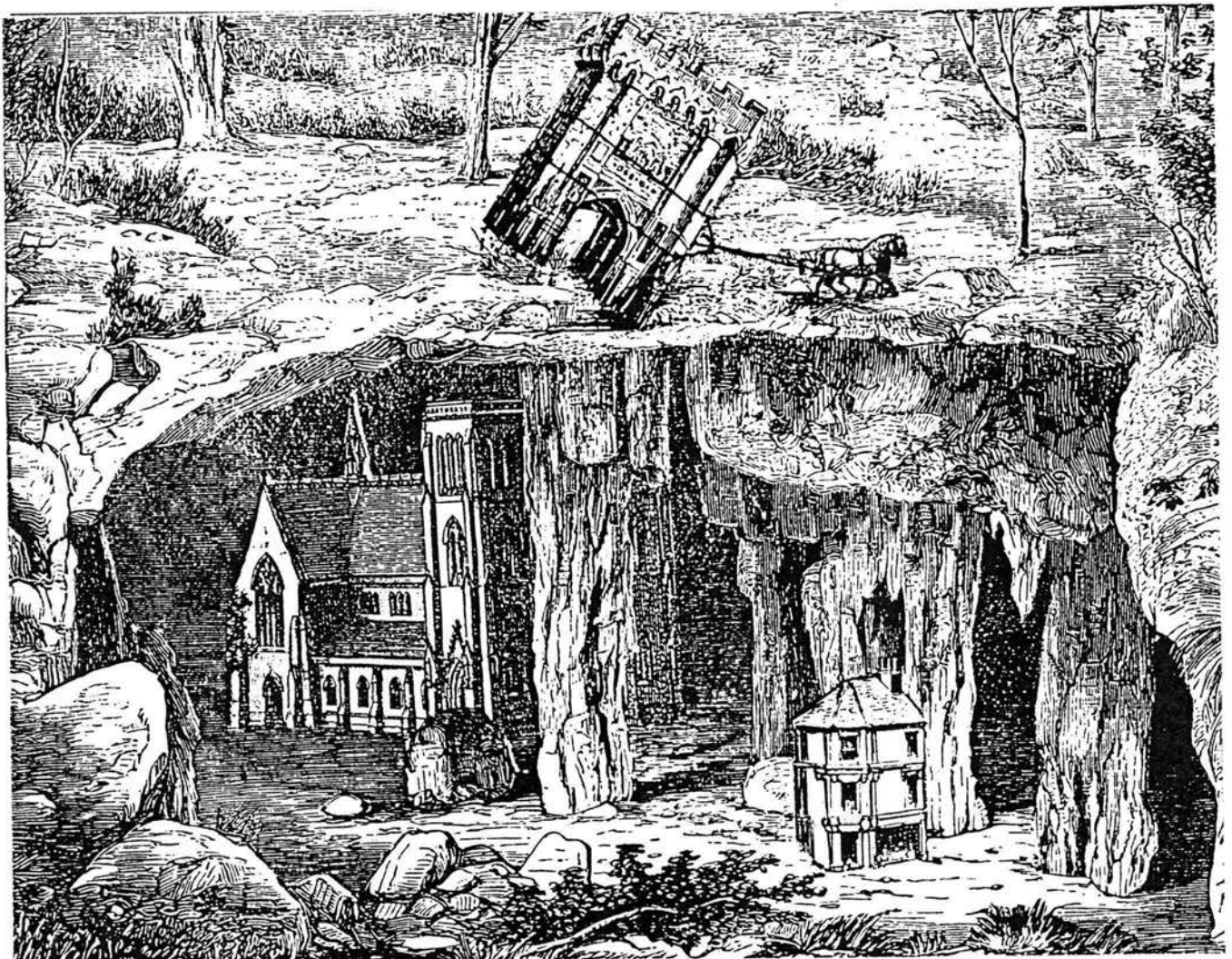


Cascade Caver

Newsletter of the CASCADE GROTTOS, a member of the National Speleological Society



Cascade Grotto

P.O. Box 75663
Seattle, WA
98125-0663

Chairwoman
Sandra Major
(206 324-4005)

Vice Chairman
Tycho Knudson
543-6820

Sec/Treasurer
Jim Harp
745-1010

Trip coordinator
Jim Harp
745-1010

Programs
Larry McTigue
255-3406

Map library
Rod Crawford
543-9853

Book library
Mark Sherman
524-8780

Exchange Library
Ben Tompkins
546-8025

Cave registers
Mike Wagner
282-0985

In the Caver

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MEETINGS

Regular grotto meetings are held monthly at 7:00 pm on the third Friday of each month at the University of Washington, Room 6, in the basement of Johnson Hall. Business meetings are held in odd-numbered months immediately following the regular grotto meeting for the month.

GROTTO MEMBERSHIP

Membership in the Cascade Grotto is \$7.50 per year. Subscription to the Cascade Caver is free to regular members. Membership for each additional family member is \$1.50 per year. Subscription to the *Cascade Caver* is \$7.50 per year.

DUES NOTICES

Members and subscribers please note the date on your mailing label that indicates when your dues expire.

CASCADE CAVER

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Editor: Ben Tompkins, 18002 First Avenue NW, Seattle, WA 98177.

Staff: Tom Kilroy, Tycho Knudson, Sandra Major, Joe Roeder, Laura Roeder, Steve Sprague.

COVER The cover is a drawing from a book full of pictures of houses wandering across the countryside and hiding in strange places.

Upcoming Events

Feb 15 Grotto meeting. Cave survey and mapping workshop. Steve Sprague will cover the basics of cave survey including instruments, notetaking, and map drawing. Two sessions. Hands-on practice session will be conducted at the April meeting.

There will be a Cathedral trip immediately following the grotto meeting Howard Hoyt will lead an exploration of voids beneath a large church. Bring helmets, lights, knee pads, and grubbies.

Mar 2 Tiger Mt. Cave - Steve Sprague and Howard Hoyt - Survey clinic and cave cleanup.

Mar 15 Grotto meeting. Dave Klinger will show slides and discuss the on-going Prince of Wales Island expeditions in Alaska. Business meeting after general meeting

Mar 16 Vertical practice - Jim Harp - Single rope techniques, equipment supplied.

Mar 23 Church Mt. Cave - Larry McTigue - Newest limestone cave in Western Washington

Apr 19 Grotto meeting. Cave survey basics continued with hands-on practice.

Apr 20 Vertical practice - Jim Harp - In preparation for the May NCA regional.

Apr 27 Chilliwack karst area in British Columbia - Dick Garnick - Searching numerous leads for new caves

May 17 Grotto meeting. Business meeting after general meeting

May 25 Northwest Regional Meet (NCA), Trout Lake, WA, Memorial Day weekend hosted by the Cascade Grotto.

Jun 21 Grotto Meeting. Pre-Convention slide show

Jun 22 Cave Ridge - Mark Wilson - Cave register program needs your help.

Jun 30 NSS Convention in Cobleskill, NY

Jul 13 Cave Ridge - Mike Wagner - Rappelling into Hellhole Cave.

Jul 19 Grotto meeting.

Jul 20 Rock climbing and SRT clinic - John Benson - Larabee State Park, on Chuckanut Dr.

Jul 27-Aug 10 Pryor Mountains (Montana) field camp with the Northwest Cave Research Institute. Contact Ben Tompkins at 526-8025.

Aug 5-11 6th International Symposium on Vulcano-speleology, Hilo, Hawaii. Contact W. R. Halliday, 6530 Cornwall Court; Nashville, TN 37205.

Aug 10 Index Ice Caves - Karl Steinke - A fun hike with beautiful views.

Aug 25 Windy Creek Cave - Jerry Thompson - Investigating the new Discovery room.

Aug 30-Sep 2 Papoose Cave - Jim Harp - Labor day near Riggins, Idaho - great formations.

Sep 14 Cave Ridge - Mark Wilson - Rappelling into Newton Cave.

Oct 5 Dynamited Cave - Alan Coakley - Goal is the seldom visited New Big Room.

Nov 23-30 Lava beds National Monument - Rod Crawford - Field research project.

1992 NCA Regional in Idaho.

1992 NSS Convention, Salem, Indiana, Aug. 37.

I'd like to hear about any trips being planned that are not listed. Also, out of town members are welcome to camp at my place to attend the vertical clinics scheduled for the day following a grotto meeting. - Jim Harp (206) 745-1010 (H) or (206) 388-3585 (W)



Meeting Notes

GROTTO CHRISTMAS PARTY

The Third Annual Running of the Box highlighted the Grotto holiday party at the Hoyt house on December 8. The adjustable wooden box with a zigzag passageway through it, known locally as Beezelbub's Breezeway, was made smaller and smaller until none of us could negotiate the turns. Human Toothpaste honors went to Tycho Knudson, Sandy Major, and Tom Kilroy for being the last to make it through. The rest of us, meanwhile, consoled ourselves with more pie.

Much thanks to Jim Harp for roasting the turkey and to everyone else for their contributions to the table. Only about 12 people showed up but a good time was had.

JANUARY GROTTO MEETING

Sandy Major opened the first meeting of the new year by introducing herself and announcing the results of the grotto elections. Tycho and Jim, as new vice-chairman and secretary-treasurer, also told the story of their lives in twenty-five words or less. Sandy next started reviewing all of the appointed offices.

- Jim Harp remains trip coordinator and is already actively at work on plans.
- Program planning will be shared this year by Larry McTigue and Tom Kilroy.
- Ben Tompkins and Tom Kilroy are editor and managing editor of the *Cascade Caver*. Tom outlined the results of the *Caver* staff meeting held earlier in the month. Planned changes include a bigger staff and more features plus concentrating on four major issues per year with smaller monthly update sheets in between.
- The cave register program, headed by Mike Wagner and Howard Hoyt, was reviewed next.
- Steve Sprague volunteered to remain grotto representative to the Northwest Caving Association, the northwest regional caving organization.
- The various grotto libraries were discussed and a head librarian is still needed.
- Jim Harp gave a report on the grotto treasury and then started the trip reports with a recount of his recent snow-shoe trip to Dynamited Cave at Trout Lake. Chuck Crandell followed with an update on Lechuguilla in New Mexico. He says the next major Lech trip is planned for March.

Jim reviewed the trips already planned for 1991.

A motion was made and passed to change the location of the ensuing business meeting to a pizza place.

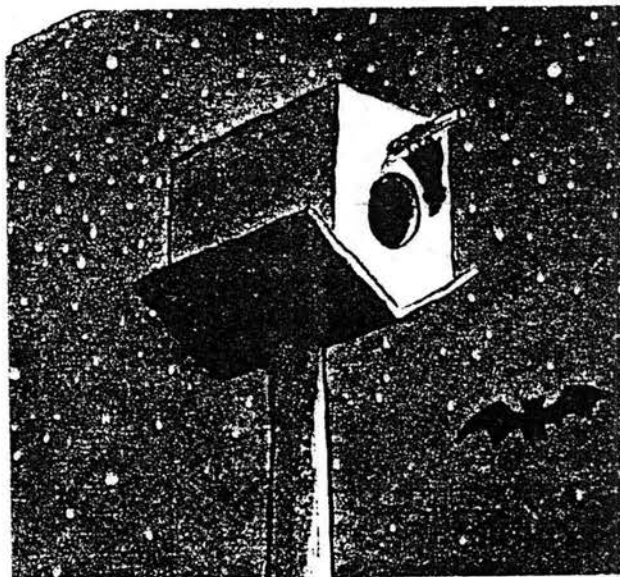
- Steve Sprague provided the evening entertainment with a demonstration of rock drilling and drill bending techniques.

- The meeting adjourned with most people heading for the business meeting.

JANUARY BUSINESS MEETING

The bi-monthly regular business meeting was held on January 18, following the January regular meeting but at the Hungary-U on Roosevelt Street. 16 members attended.

1. Howard Hoyt proposed mailing postcards announcing upcoming meetings. No action was taken.
2. The increased cost of the *Cascade Caver* was discussed along with raising the membership and subscription rates to cover it. A motion was made and passed to raise regular membership and subscriptions from \$7.50 to 10.00 and additional household members from 1.50 to 2.00 each.
3. A motion was made and passed to allocate \$350.00 for the *Cascade Caver* for the first half of 1991 while new publishing schedules and costs are worked out.
4. Plans for the regional convention at Trout Lake were reviewed and approved.
5. Local cave conservation was discussed and it was agreed to form a committee to address cave management issues. Steve Sprague and Rod Crawford volunteered.
6. Ideas for future programs were solicited and discussed.
7. The local cave rescue situation was discussed.



New Grotto Officers

The Grotto officers for 1991 have taken the reins with enthusiasm:

CHAIRPERSON: *Sandra Major*

"I began caving about seven years ago in the muddy holes of New York where I was involved with the Syracuse University Grotto. Most of my caving outside of New York has been around Franklin, WV and in New Mexico. In New Mexico I worked for a short time on cave management for the Bureau of Land Management in Carlsbad."

"A couple of years ago I came to Washington and I'm currently a graduate student at the University of Washington."

"I look forward to being involved with the grotto.. Happy Caving!" - Sandy.

VICE-CHAIR: *Tycho Knudson*

Tycho is another relatively new member but has been active at the meetings and is already involved with the Cascade Caver and survey workshop.

SEC/TREASURER: *Jim Harp*

Jim, of course, was last year's chairman and gets to wear a different hat for a while.

Other New Members

Let's give a hearty welcome some new members:

Tom Strong (NSS 29319) and **Blythe Strong** (NSS 29319), Seattle - Tom is a familiar face around Grotto meetings and has recently turned in his application for membership. He is past Chairman of the NSS Congress of Grottos, past Chairman of the NSS Conservation committee and presently serves on the NSS Board of Directors. Tom's caving activities have taken him underground in half of the US States and abroad and he has also been an active member of UAAC, Escabrosa, Southern California, and Colorado Grottos. Blythe, enjoys a less notorious caving background, mostly under the sands of Arizona.

Donald Robertson, Mercer Island, and **Charles Rogerson**, Bellevue - Don and Charles are two friends who have been bouncing around the lava tubes of Central Oregon as well as traveling the trails of the Cascades. They have been spending a lot of time in the Tiger Mt. Talus Caves, working on a mapping project and are looking foreword to becoming involved in grotto activities. Their first goal is to acquire proper equipment and vertical skills

necessary to become comfortable underground. Charles is interested in hearing from persons with used equipment for sale.

Brad Benjamin and **Debra Cheney**, Seattle - Brad is a self employed writer for music and film magazines such as Billboard. He is into camping, cross-country skiing and white water rafting. Debra operates her own 'information service' business and enjoys training Arabian horses as a hobby. Both Brad and Debra are new at caving and are looking foreword to meeting new friends and becoming involved.

Joe and Laura Roeder, Seattle - Joe and Laura started coming to the Cascade Grotto in the fall of 1990. He has been caving for about 8 years and is an electronic technician at C-Comm in Ballard. She has been caving for 3 years and works at Bay Mortgage and Bay Escrow in marketing. Most of their caving has been done in the Trout Lake area where Joe and his friend Robert discovered JaR cave in the early 80's. They still have not been to Cave Ridge but have done limestone caving on Vancouver Island, some of it on their honeymoon. Joe and Laura are planning another trip up to the Island in August.

Cave Registers

by Mike Wagner

The following caves have or had registers at one time, according to a list published in 1984. I have updated it for the caves I have visited but anyone with more recent information about any of these registers please give me a call at (206) 282-0985.

Cave	Visited	Cave	Visited
Albright Cave	(?)	Newton Cave	1990
Dynamited Cave	(?)	Cascade Cave	1990
Datus Perry	(?)	Red Cave	1990
Folgers Cave	(?)	Lookout Cave	1990
Dry Creek	(?)	Hell Hole Cave	1990
Poacher's Cave	(?)	Danger Cave	1990
McLaughlin Canyon	(?)	Senger's Talus	1991
Falls Creek Cave	(?)	Jackman Creek	1991*
New Cave	(?)	Ramsey's Cave	1991*
Deadhorse Cave	(?)	Windy Creek	1991*

(?)
1991*

Condition and last visit unknown.
Plan to visit this year

Super Senger's Sunday

by Mike Wagner

On Sunday, January 27, 1991 Phill Erickson, his friend Shane, and I headed north to Senger's Talus Cave, that wonderful place in the Chuckanut Mountains.

It was a great day for our first caving trip of the year, meaning it wasn't raining. Actually it was very cold and overcast, perfect for hiking. As we hiked along we began to see strange ice crystals along the outside of the path. Some were flowing like beautiful gypsum flowers while others were very geometric, like perfect quartz crystals. We walked silently along this crystal-lined path, through misty woods, away from the chaos of the city, and it began to seem like a dream. Then the enchantment was broken by a loud group of family of hikers. "Look, Ma, they're going to the Bat Caves", said one. "You're not going to watch the Superbowl?", asked another in amazement.

When we got there it was as spectacular as ever. The immensity of the cliff and boulders is awesome.

I noticed a few out-of-the-ordinary things in the short time we were there. First and foremost, the cave was wonderfully clean in comparison to other trips in the last couple of years. Every trip I pick up litter but one person can't get it all. Please make the effort and stress on others to do the same. My personal thanks to all who already do this; it's you who make the difference.

We saw a large number of bats, about 45 in all. Last but certainly not least, were the fantastic ice formations. I took slides so with luck I'll be able to share them at a future grotto meeting.

Before leaving I installed a new NSS register container and survey register along with some grotto information in the main entrance register room. The previous one was stolen last year and someone thoughtfully replaced it with a mayo jug. I hope the new one lasts as long as the original which was installed in 1979.

Northwest Regional Meet

The Northwest Caving Association and the Cascade Grotto invite all interested persons to attend the 1991 annual convention and Rendezvous of Cavers.

**Peterson Prairie Campground, Trout Lake, Wash.
Memorial Day weekend, May 24-27, 1991**

Definitely unlike other conventions held at Trout Lake. Plans include:

- Guided trips for novices and pros.
- Vertical contest.
- Clinic on building "Bat-Houses" by Jim Nieland.
- Oregon Grotto store.
- Tailgate flea market - bring your unwanted caving, camping and other outdoor related items.
- A newly updated guide book of lava tube country with cave maps and directions. (\$8 or \$6 if paid in advance).
- Saturday Banquet dinner - hosted by NCRI (\$7, or \$5 if paid in advance)

Registration:

Adults - \$6. (\$4 if pre-registered).

Children - \$0.25 per year of age

Registration fee includes campsite.

Full refund if cancellation is received by midnight, May 20th.

For more information contact Jim Harp: 1731 So. Lake Stickney Dr., Lynnwood, Wash.
98037, ph. (206) 745 1010

Chin straps made easy

Ben Tompkins

My caving helmet is an old climbing helmet where the chin straps that fasten together with D-rings. Over the years I've read about concerns with strong chin straps, that a caver may slip in a vertical crack and end up hanging by the helmet. Some means of quickly releasing the chin strap would be vital in that situation. Some people suggest using plastic quick release latches (fastex) and even advocate filing the fasteners so that they release more easily. I've been dubious.

I never modified my chin strap because I figured I was far more likely to take a fall than get stuck by the beanie in a chimney. I want my helmet to stay on my head where it belongs and to still be there when I'm done bouncing around.

In the January *NSS News* appears both confirmation and a solution. Philip Moss writes that the human neck can withstand up to 300 pounds of stress before breaking and that even an unaltered fastex-type buckle gives out much before that. The ideal fastener would *never* come loose when you don't want it to and *always* come loose quickly when you do.

The solution for us D-ringers is so simple that I'm sure everybody but me knows it and I don't know why I never thought of it. Just run the free end up through the dees as usual but then form a loop and bring end of the loop rather than the end of the strap down through the lower D-ring. If done with the free end sticking up on the outside, a tug on this end releases everything.

Lechuguilla

March 1990

by Chuck Crandell

This year's Lech trip started in El Paso, Texas. I flew in from Phoenix and drove the 110 miles or so to Carlsbad, somehow avoiding all the local speed traps. On the way to Belski's house I committed the first of two grievous errors that would kill me the next day in the cave. I stopped and got a grease burger at Dairy Queen. Not only did it provide indigestion but it failed to provide enough calories. The second fupa occurred on arriving at Belski's house to crash. Dave and Carrel love BEER and are also very hospitable. Fortunately there was no hangover. Sunday morning I joined up with Rocko (NJ), Greg (CA), and Roger (?). (About Roger, don't ever ride with him when he is driving!)

Our team picked a set of leads in the High Hopes area to go check. The new airlock/gate on top of the culvert was fantastic. It was counter-weighted and latchable from inside and out. No more getting blasted by the wind in the culvert. Not much else was new from the entrance to the Chandelier Ballroom.

The cave takes on a different character heading out from the Ballroom to the High Hopes base camp and is up and down, up and down. It's a real energy zapper. At base camp, some 8 hours in, I died. I needed rest and lots of it but even so we managed to survey about 400 feet of passage. Everyone ate and

slept for about 6 hours before heading out. Exiting the cave took as long as entering even though we used the new bypass around the Great White Bastard. The Great White Bastard is so named for its aragonite fingers that tear the hell out of your hide. Some thirty hours later a human ZOMBIE emerged from the entrance pit.

After a day of rest I joined another team consisting of Brian Borton (MO), EG (GA), and Rolf Adams (Australia). Our destination was the Western Borehole where Brian had observed two pits with air flow. In about six hours of flying through familiar passage we set up base camp just past the Hard Daze Night Hall and before the junction leading to Oasis Pool. We found to our disappointment that another group had snagged our two-pit lead. They had gotten lost while heading for a lead off the Planetarium above the Chandelier Graveyard. Our leads gone, we opted to check below the floor at the junction of Oasis Pool and Western Borehole passages. Plenty of air was felt but the speculated "keyhole" was never found. At each place we probed we found a layer of silty red clay about 60 feet down. This is an area of massive labyrinth boulders and may have real potential. Some thirty hours later I poked my head up over the entrance pit.

Opting for a less strenuous trip, I motioned for a tour to Christmas Tree Cave in Slaughter Canyon west of Carlsbad Caverns. Greg Stockton (CA), Kyle Fedderly (CA), and Brian Arnold (AZ) joined me for this easy two-hour cave. It was refreshing to hike on the surface.

Some notes on equipment: Equipment technology keeps changing for Lech participants. Equipment choice is a function of time spent underground. I used my lightweight 2-lb Red Scooter down bag for sleeping in and it was fantastic. The only hang-up was that the down got a little damp. Cave humidity

will get you every time. A synthetic bag of similar weight and loft would do nicely. For a ground pad I took my micro ThermoRest which is 3/4 length and 1-inch thick. I also took a space blanket but it was not necessary. For ferrying supplies from the entrance to the base camps in the cave I used a 2100 cubic inch alpine style pack that was comfortable and worked great. My lighting consisted of two helmet-mounted electric lights and no carbide. Cotton pants like I wore are now out and nylon shorts are the way to go. For a top I plan to wear polypro again.

Wanted

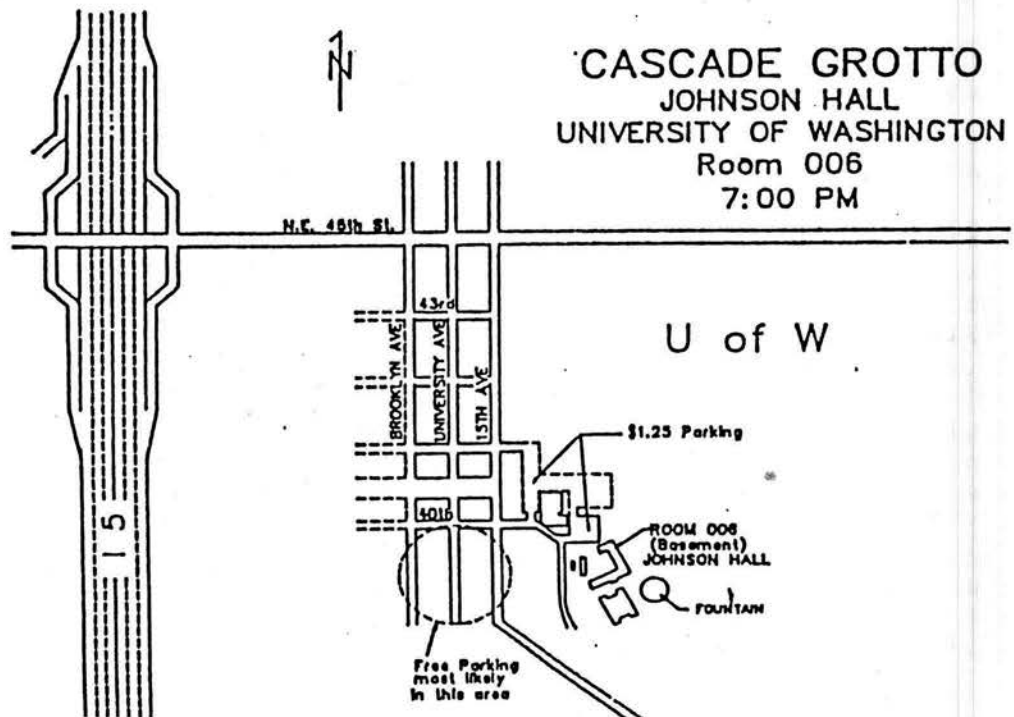
**Need supplies?
Want to learn a new skill?
Like to sell some gear?**

An ad in the *Cascade Caver* might be just what you need.

It is free and reaches a lot of people specifically interested in caving. Your chances of getting what you need are GREAT!

WANTED: Does anybody know where I can get custom-made rigs for vertical work? Need an unusual size. Call: 789-2404, leave a msg. Or days call Laura at 324-7777.

WANTED: Want ads! More Want Ads! We can be your source for finding what you need! Write: Cascade Caver Want Ads, 7531 12th NW, Seattle, WA 98117. Or call Laura at 789-2404 (if no one answers, leave a message)



1991 Grotto Membership List

January 12, 1991

Allen, Marian	206 525-5709	849 NE 68 Street; Seattle,WA 98115
Bagley, Kevin	206 338-2484	9710 - 24th Avenue S.E.; Everett,WA 98208
Benjamin, Brad	206 847-5757	645 Southcenter, Suit 256; Seattle, WA 98188
Benson, Boyd E.	206 546-1410	18020 - 4th Avenue N.W.; Seattle,WA 98177
Benson, Coreen	206 851-7417	10619 - 82nd Ave N.W.; Gig Harbor,WA 98335
Benson, John	206 851-7417	10619 - 82nd Ave N.W.; Gig Harbor,WA 98335
Bjornstedt, Walter	206 877-5751	North 21020 Highway 101; Shelton,WA 98584
Black, Curt W.	206 889-1000	11808 Northup Way, #104 1; Bellevue,WA 98005
Brown, Robert	206 569-2724	P.O. Box 2; Elbe,WA 98330
Carlson, Alex	206 845-3195	5702 E. 80th Street; Puyallup,WA 98371
Cebell, Wayne	206 491-6219	7026 Puget Beach Road; Olympia,WA 98506
Cheney, Debra	206 847-5757	645 Southcenter, Suit 256; Seattle, WA 98188
Coakley, Alan	206 271-1962	1116 S. 27th Place; Renton,WA 98055
Coakley, Tina	206 271-1962	1116 S. 27th Place; Renton,WA 98055
Cole, Roger	206 693-5968	4003 Wauna Vista Drive; Vancouver,WA 98661
Crawford, Rod	206 543-9853	Burke Museum (DB-10); U of W; Seattle,WA 98195
Curry, Monte	206 881-0849?	1617 - 285th Place N.E.; Carnation,WA 98014
Dayton, Andrew	206 255-6136	521 Burnett Ave South; Renton,WA 98055
DeWolf, Robert	206 823-3870	P. O. Box 2374; Redmond,WA 98073-2374
Dickey, Fredrick		P.O. Box 1584; Kent,WA 98035
Elson, Sue	509 997-0430	Rt. 1 Box 610; Twisp,WA 98856
Erickson, Phillip		2612 - 1st Avenue West; Seattle,WA 98119
Garnick, Dick	206 671-1926	1101 N. Forest #104; Bellingham,WA 98225
Garratt, Roger		301 W. Crockett; Seattle,WA 98119
Gregory, Steve	206 784-7995	9025 Cyrus Avenue N.W.; Seattle,WA 98117
Halliday, Dr.W.R.	615 352-9204	6530 Cornwall Court; Nashville,TN 37205
Harp, Jim	206 745-1010	1731 S. Lake Stickney Drive; Lynnwood,WA 98037
Hollenbeck, Greg	206 668-7578	21307 E. Lost Lake Road; Snohomish,WA 98290
Hoyt, Howard	206 782-4567	133 N. 78th; Seattle,WA 98103
James, Richard	206 694-7113	6206 N.E. 70th; Vancouver,WA 98661
Jared, Robert	206 939-3924	5222 Mill Pond Road; Auburn,WA 98002
Kilroy, Tom	206 324-4005	531 Malden Avenue E. #202; Seattle,WA 98112-4575
Kiver, Dr. Eugene	509 235-6448	S. 22202 Frog Hollow Lane; Cheney,WA 99004
Klinger, David M.	509 548-5480	P.O. Box 537; Leavenworth,WA 98826
Knudson, Tycho	206 543-6820	2104 N.E. 45th Street; Seattle,WA 98105
Larson, Shaun	206 547-4844	5423 Kirkwood Place North; Seattle,WA 98103

Legler, Alex	479-1926	P.O. Box 266; Tracyton,WA 98393
Major, Sandra	206 324-4005	531 Malden Avenue E. #202; Seattle,WA 98112-4575
McBride, Molly	206 236-5686	9007 Shorewood Drive #535; Mercer Island,WA 98040
McDermott, David	206 525-5709	849 NE 68 Street; Seattle,WA 98115
McTigue, Larry	206 255-3406	2713 Meadow Avenue N; Renton,WA 98056
Ogawa, Dr. Takanori	03 915-0560	1-11-21 Kita-Otsuka; Toshima-Ku; Tokyo, 170; JAPAN
Rideout, Curtis	206 698-3861	8845 Towne Place N.E.; Bremerton,WA 98310
Robertson, Donald	206 232-2932	9910 SE 40th St; Mercer Island, WA 98040
Rockwood, Kris		9007 Shorewood Drive #535; Mercer Island,WA 98040
Roeder, Joe	206 789-2404	7531 - 12th N.W.; Seattle,WA 98117
Roeder, Laura	206 789-2404	7531 - 12th N.W.; Seattle,WA 98117
Rogerson, Charles	206 454-5256	9806 NE 23rd.Street; Bellevue, WA 98004
Schweitzer, Bob	206 747-2849	1413 - 177th Avenue N.E.; Bellevue,WA 98008-3209
Sherman, Mark	206 524-8780	9417 - 8th Ave NE; Seattle,WA 98115
Smith, Daniel W.	509 997-0430	Rt. 1 Box 610; Twisp,WA 98856
Sprague, Jenny	206 652-6489	15220 - 39th Ave N.W.; Stanwood,WA 98292
Sprague, Steve	206 652-6489	15220 - 39th Ave N.W.; Stanwood,WA 98292
Steinke, Karl	206 271-1260	13125 S.E. 149th Street; Renton,WA 98058
Stitt, Robert	206 283-2283	1417 - 9th Ave West; Seattle,WA 98119
Strong, Blythe	206 938 3957	3260 Walnut Ave SW; Seattle, WA 98116
Strong, Tom	206 938 3957	3260 Walnut Ave SW; Seattle, WA 98116
Thompson, Jerry	206 355-4900	6111 - 88th S.W.; Mukilteo,WA 98270
Tompkins, Ben	206 546-8025	18002 - 1st Ave N.W.; Seattle,WA 98177
Tupper, Ed	206 522-3579	6241 - 34th Ave N.E.; Seattle,WA 98115
Verbarendse, Marty	206 821-8163	14505 - 127th Lane N.E. #N-32; Kirkland,WA 98034
Wagner, Mike	206 282 0985	2770 Westlake N.; Seattle,WA 98109
Walter, Richard		Box 571; Porthill,ID 83853
Whitfield, Phillip R.	604 372-5079	2067 Valley View Drive; KamloopsB.C., V2C 4C3; CANADA
Willhight, Kay A.	206 784-7995	9025 Cyrus Avenue N.W.; Seattle,WA 98117
Williams, Scott V.	206 696-4704	5401 Alki Road; Vancouver,WA 98663
Wilson, Mark M.	206 283-3369	2542 -2nd Avenue West; Seattle,WA 98119
Zak, Dan	206 483-1947	1011 - 215th Street SE; Bothell,WA 98021
Zak, Louise	206 483-1947	1011 - 215 Street S E; Bothell,WA 98021

Bylaws

The grotto constitution, bylaws, and operating policy below show all changes since they were last published in May, 1988. Changes are marked with change bars in the left margin.

Constitution

I. The name of this organization shall be the Cascade Grotto of the National Speleological Society.

II. The purposes of this grotto shall be: to promote interest in and to advance in any and all ways the study and science of speleology, the protection of caves and their natural contents, and to promote fellowship among those interested therein. This grotto shall have the additional object of organizing the members of the National Speleological Society in the Pacific Northwest into a group to better promote these purposes.

Section 2. This organization is organized exclusively for religious, charitable, scientific, literary, or educational purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code. Notwithstanding any other provision of these articles, the organization shall not carry on any other activities not permitted to be carried on by an organization exempt from Federal Income Tax under Sec. 501(c)(3) of the Internal Revenue Code.

III. The entire management and government of this grotto except as otherwise expressly provided shall be vested with the membership.

Section 2. The officers of the grotto shall be: Chairman, Vice-Chairman, and Secretary-Treasurer, elected yearly by the membership. Their duties shall be those usually associated with each office.

Section 3. The membership shall have complete power to manage the grotto, to make rules relating to subsequent elections, to formulate by-laws, to appoint chairmen of special committees, to raise funds in any manner not inconsistent with the policies of the Board of Governors of the NSS, and to perform all other necessary functions.

IV. General meetings of the grotto shall be held at such times and places as are determined by the membership. The chairman of the grotto shall have the power to call special business meetings whenever

necessary but first must obtain the consent of a majority of the voting members.

V. Membership is open to all persons in the Pacific Northwest interested in the grotto's purposes, who have complied with conditions of membership set forth in the By-laws.

Section 2. Only members with their grotto dues paid shall have voting rights in the election officers or at meetings.

VI. The constitution and by-laws of the NSS shall be binding on this grotto. Any action inconsistent therewith shall be null and void.

VII. Any property held by this grotto shall revert to the NSS in the event of dissolution of the grotto.

Bylaws

Article I. The Cascade Grotto shall have five classes of membership:

Section 1. Regular members shall be those persons who have signified their desire to become members, have paid current dues, live in the Pacific Northwest, and are not voting members of other grottos of the NSS in the Pacific Northwest or other units of the Northwest Caving Association. Regular members receive all grotto publications and are entitled to vote on all pertinent matters.

Section 2. Household members are relatives of a regular member, live at the same address, and have paid current dues. Household members receive no publications but those over 15 years of age are entitled to vote on all pertinent matters.

Section 3. Subscribing members are persons who have paid the current subscription rate for grotto publications but who do not desire to be active participants in grotto activities. Subscribing members receive all grotto publications but are not entitled to vote on any grotto matter.

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Section 4. Associate members shall be those persons who have signified their desire to participate in grotto activities but either live outside the Pacific Northwest, or are voting members of other grottos of the NSS in the Pacific Northwest, or other units of the Northwest Caving Association. Upon payment of current dues, associate members receive all grotto publications, are encouraged to attend all grotto activities, but are not entitled to vote.

Section 5. Honorary members shall be those persons elected to lifetime memberships in recognition of outstanding services or achievements. No more than one Honorary member may be elected in any one year. Honorary members pay no dues, receive all grotto publications free for one year, and are entitled to vote on all pertinent matters.

Article II. All grotto dues shall be paid at the time of beginning membership and shall be renewable one year later. Dues for regular and associate members shall be \$7.50 per year. Subscription rate for grotto publications shall be \$7.50 for one year's issues. Dues for household members shall be \$1.50 per year.

Article III. Nominations for grotto officers shall be made at the November general meeting; such nominations must be made by a grotto member with voting rights. All persons nominated for Grotto office must be current NSS members and if elected must maintain their active status with the NSS during their tenure. The Secretary-Treasurer will mail to each member with voting rights a ballot prior to the 10th day of December. The ballot must be returned to the Secretary-Treasurer no later than December 31st. The Secretary-Treasurer will tally the vote and notify both present and newly elected officers of the results. Newly elected grotto officers shall take office on the tenth day of January following the election.

Article IV. A simple majority of voting members present shall prevail at general or special grotto meetings. Approval of amendments to the bylaws or the grotto constitution, or expulsion of a member shall require a 2/3 favorable vote of those voting after due notification to the grotto membership; due notification being 30 days written notice. For the purpose of a 2/3 vote, those voting shall include members present, mail and proxy ballots received by the first meeting after due notice.

A. Duties and responsibilities of the Chairman:

- a. Appoints all committee chairmen and Cascade Caver Editor.
- b. Chairs regular grotto meetings, regular business meetings, and special business meetings. Rules on points of order and in case of tie votes, casts deciding vote. Chairman has the right to vote on all money matters and on any matter requiring a 2/3 vote.

B. Duties and responsibilities of the Vice-Chairman:

- a. Assumes Chairman's duties when he is absent.
- b. Represents the grotto, or ensures that the grotto is represented at the Congress of Grottos.
- c. Conducts all other duties usually associated with this office.

C. Duties and responsibilities of the Secretary-Treasurer:

- a. Maintains grotto Financial records.
- b. Collects grotto dues as per Article 2 of the bylaws.
- c. Maintains grotto funds in an interest-bearing account.
- d. Maintains current membership records.
- e. Provides the Cascade Caver editor with a current membership list by April 15 of each year for printing in the May Cascade Caver.
- f. Submits a financial report to the grotto four times per year, in January, April, July, and October.
- g. Dispenses grotto funds at the direction of the Chairman after approval of the membership. Approval of the membership in the case of fund dispersal only requires a simple majority of those present and voting at any Regular Grotto Meeting.
- h. Conducts duties as outlined in Article 3 of the bylaws.
- i. Prepares the Annual Report of the Grotto and submits it to the NSS.
- j. Assumes Chairman's and Vice-chairman's duties when both are absent.

D. Duties and responsibilities of the Cascade Caver Editor:

- a. Publish a good quality grotto publication (at least six pages) ten times per year. This publication should contain but is not limited to the following: field trip reports, all new members as they join

the grotto (names, addresses, and phone numbers), all business acted upon at grotto, special business, or unit meetings, and other articles or information of interest to the membership.

- b. It shall be the responsibility of the Editor to see that the Cascade Caver is mailed by the Wednesday before the regular monthly meeting.
- c. A current membership list must be printed in the May issue of the Cascade Caver and must be current as of April 15 of that year.
- d. All grotto printing supplies and equipment are the responsibility of the Editor.
- e. The Editor must provide the Secretary-Treasurer with a record of Cascade Caver expenses in January and September of each year.
- f. It shall be grotto policy and the Editor's responsibility to make sure that no sensitive wild cave locations are printed in the Cascade Caver.
- g. It shall be grotto policy and the Editor's responsibility to make sure that no material of a speleo-political nature is printed in the Cascade Caver without approval of the grotto membership.
- h. The Editor has the authority to make minor changes and deletions in any material submitted, or to refuse publication, for reasons of quality or grotto policy. The Editor has final authority over the contents of the Cascade Caver, subject only to his removal by the grotto membership.

E. It is understood that the officers of the grotto and the Editor of the Cascade Caver, in order to fulfill their duties and responsibilities, need the support and cooperation of the membership. It shall be their responsibility to delegate such duties as they are unable to fulfill personally.

F. (Deleted December 2, 1988)

G. Grotto Store.

- a. It shall be grotto policy to operate a grotto Store, the purpose of which shall be the sale and rental of caving equipment. The grotto store shall be managed by a storekeeper appointed by the grotto Chairman.
- b. The Storekeeper has complete authority to manage the store subject only to his removal by the grotto Chairman or grotto membership. Any net profit from the sale or rental of equipment shall be distributed as per item H.
- c. The Storekeeper shall maintain a financial record of the grotto store. By December of each year the Storekeeper shall submit a report to the grotto treasurer on the grotto store inventory and cash-on-hand at the beginning and end of the year

ending September 30. The report shall include total purchases and sales during that period.

H. In order to raise funds for the purchase of merchandise for the store, the storekeeper is authorized to sell "Store Certificates." Only Cascade Grotto members may be certificate holders. Net profit from the store shall be distributed in the following manner:

- 20% to certificate holder dividends
- 40% reinvestment in the store
- 20% to certificate buy-back fund
- 20% to Grotto treasury

In addition, the storekeeper shall sell "Game Certificates" to finance the production of "The Caving Game." Only Cascade grotto members may be Game Certificate holders. Net profit from the sale of games after paying costs shall be distributed as follows:

- 50% to Carlene Allred
- 25% to grotto treasury
- 25% to Game Certificate holder dividends

I. The grotto shall have a Cave Resources Committee. Its duties shall be to maintain a file of Washington unchecked cave rumors and topographic maps for the use of grotto members. Policies for the loan of topographic maps shall be set by the committee.

J. It shall be the responsibility of the Chairman to ensure that the duties usually associated with the following committee positions are accomplished. Normally in order to achieve this the Chairman will appoint committee chairmen:

- a. Membership Committee
- b. Equipment Rental Committee
- c. Grotto Storekeeper
- d. Program Committee
- e. Cave Resources Committee
- f. Field Trip Coordinator
- g. Conservation Committee
- h. Safety Committee
- i. Cave Register and Information Program
- j. NCA Regional Representative
- k. Grotto Librarian
- l. Fund raising Committee
- m. Cascade Caver Editor

K. As a matter of policy, the Cascade Grotto will not direct untrained, unprepared persons to any wild cave by written or verbal directions, signs, or other means, and will not encourage others to do so.

L. It shall be grotto policy to maintain a regular membership of at least 40 cavers in order to provide a level of activity and finances for a healthy grotto. In order to achieve and maintain this number of regular members, the grotto will actively seek out NSS members and active non-NSS cavers living in the state of Washington, who do not belong to another NSS grotto.

M. Grotto general business meetings

- a. Grotto general business meetings will be held immediately following the regular grotto meeting in each odd-numbered month.
- b. A written agenda shall be established in advance of each general business meeting. Any grotto member may submit an item for the agenda to any grotto officer. The grotto chairman shall assemble the agenda and have a copy available for review at the general membership meeting preceding the general business meeting. The deadline for submitting items for the agenda shall be the same general membership meeting.
- c. The grotto secretary shall keep minutes of each general business meeting. These minutes shall be available for review at each general membership meeting and shall be published in the next available Cascade Caver.

N. Grotto meetings will be held at the University of Washington campus in Room 6 of Johnson Hall, on the third Friday of each month, and will start at 7:00pm. Grotto meetings will normally follow the format listed below:

- a. Introductions and announcements by the chairman
- b. Field trip reports
- c. Announcement and sign-up of upcoming trips
- d. Scheduled program
- e. Unscheduled programs

O. All NSS members and non-NSS cavers are welcome at grotto meetings as long as they are not and have not been disruptive or defamatory toward caving, cavers, or speleological organizations.

P. To encourage activity among widely separated members while ensuring grotto unity, grotto members outside the Seattle area shall be authorized to form local units within the State of Washington, when chartered by the grotto membership. Local unit meetings shall be chaired by a Unit Coordinator elected by those grotto members participating in that unit's activities. Local units shall be authorized to conduct any business on behalf of the grotto, so long as they comply with the grotto constitution, By-laws, and Operating Policy. However, business affecting the entire grotto may only be acted on at a regular grotto business meeting as per Item M above.

Q. Changes in these Operating Policies may be enacted by majority vote at any regular grotto business meeting.