

December 1989

## Alaskan Caver, Volume 9, No. 6, December 1989

William Harvey Bowers

Follow this and additional works at: [https://digitalcommons.usf.edu/alaskan\\_caver](https://digitalcommons.usf.edu/alaskan_caver)

---

### Recommended Citation

Bowers, William Harvey, "Alaskan Caver, Volume 9, No. 6, December 1989" (1989). *Alaskan Caver*. 49.  
[https://digitalcommons.usf.edu/alaskan\\_caver/49](https://digitalcommons.usf.edu/alaskan_caver/49)

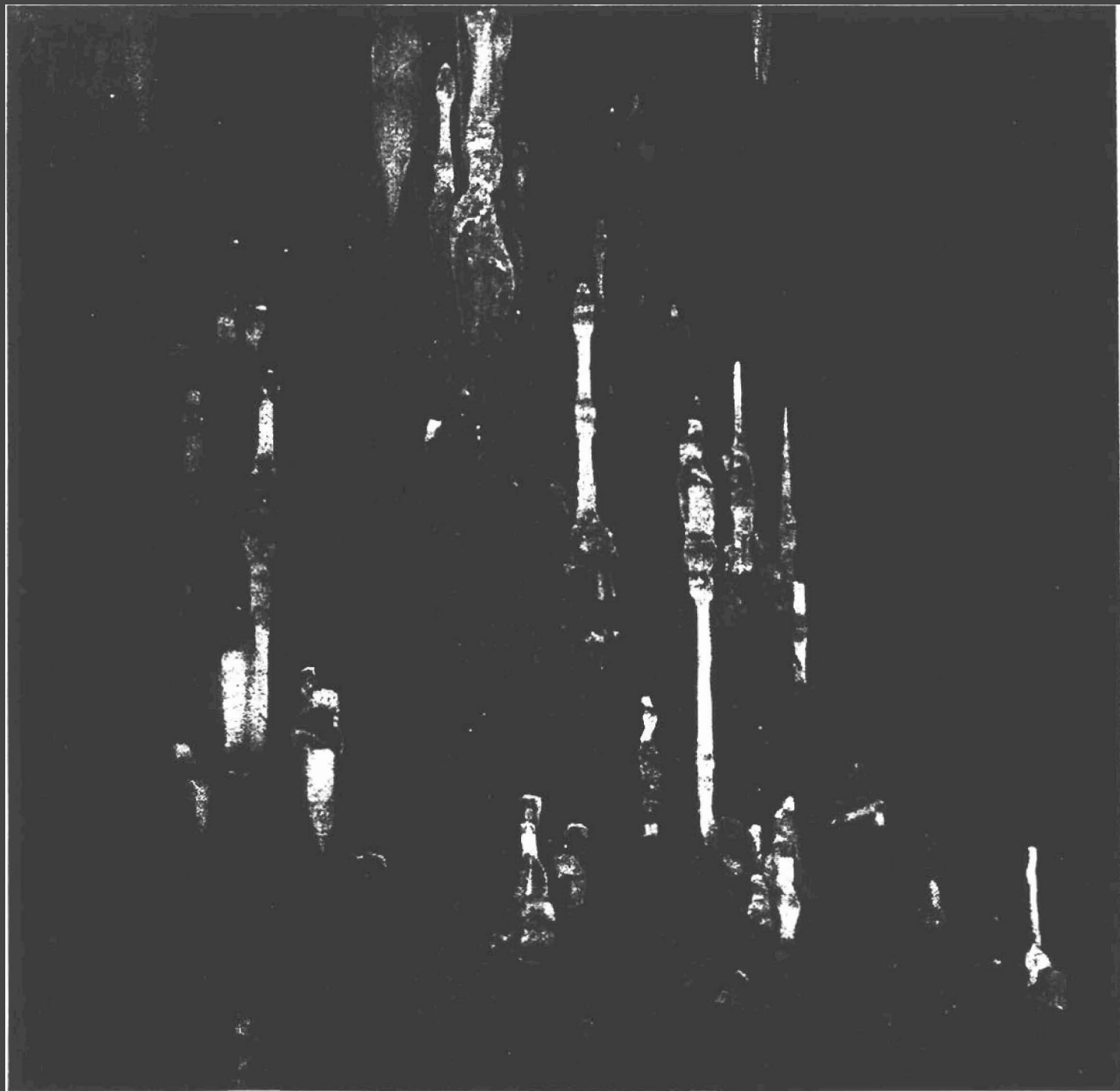
This Book is brought to you for free and open access by the Newsletters and Periodicals at Digital Commons @ University of South Florida. It has been accepted for inclusion in Alaskan Caver by an authorized administrator of Digital Commons @ University of South Florida. For more information, please contact [digitalcommons@usf.edu](mailto:digitalcommons@usf.edu).

# The **ALASKAN CAVER**

**VOLUME 9**

**NUMBER 6**

**DECEMBER 1989**



The Alaskan Caver is the intermittent publication of the Glacier Grotto of the National Speleological Society. (Copyright © 1989 by the Glacier Grotto.) Materials not copyrighted by individuals or by other groups may be copied by other NSS Publications provided credit is given to author and The Alaskan Caver and a copy is sent to the Editor. Back issues are available from the President for \$1.00 each. Members should send articles, letters, news items, announcements, and so forth directly to the Editor (see below). Opinions expressed within are not necessarily those of The Alaskan Caver, the Glacier Grotto, or the NSS.

Membership is open to all interested in Alaskan cave discovery, exploration, description, survey, mapping, photography, hydrology, morphology, biology, geology, history, speleogenesis and other spelaeon processes, conservation, management, adventures, and the fellowship of Alaskan cavers. Dues are \$7.50 per year for the first member of a mailing address and \$1.00 for additional persons at the same address. Overseas air mail requires an additional \$10.00.

Dues are due on January 1 and are sent to the Treasurer (see below) with the application/renewal form. Those paying for the first time after October 1 will be considered paid up for the following year. The year through which each member is paid is indicated on the mailing label. Meetings are called to plan and report on trips or other special events; anyone wanting to have a meeting for any reason should notify the President, Vice President or a Member-at-Large.

<u>Officers</u>	Name	Address	City	St	Zip	Home	Work
President	J Rockwell Jr	2944 Emory St	Anchorage	AK	99508	277-7150	564-8267
Vice Pres	David M Moll	P O Box 82044	Fairbanks	AK	99701	455-6578	474-6318
Acting Sec	Jim Nicholls	P O Box 654	Clear	AK	99507	474-0104	585-6213
Treasurer	Sam Dunaway	7301 Chad St	Anchorage	AK	99518	344-4037	762-2171
Memb at Lg	Tom Hallinan	1617 Wolverine Dr	Fairbanks	AK	99709	479-6064	479-7454
Memb at Lg	Kevin Allred	P O Box 376	Haines	AK	99827	via KHNS*	via KHNS*
Editor	W Harvey Bowers	305 S Bartlett Cr	Wasilla	AK	99687	376-2294	373-2247
Asst Ed	Curvin Metzler	P O Box 100738	Anchorage	AK	99510	333-8766	333-8766
NW Reg Rep	Dave Klinger	P O Box 537	Leavenworth	WA	98826	548-5480†	548-5880†
Membership	Curvin Metzler	P O Box 100738	Anchorage	AK	99510	333-8766	333-8766

\* Messages may be announced to Kevin daily via radio station KHNS at (907) 766-2020

† The area code for phoning Dave in Leavenworth, Washington is (509) (both numbers)

Cover: Cave Lake Cave, Winter 1989 (March). Ice formations covered with white powder, probably residue of calcite. Photo by Kevin Allred; article on page 3.

### Table of Contents

Cave Lake Cave in Winter . . . . .	3
Directory of Membership, Glacier Grotto 1989 . . . . .	4
POWIE III Summary and Statistics . . . . .	6
Minutes of Grotto Meeting . . . . .	7

**Cave Lake Cave in Winter**  
by Kevin Allred

Saturday, March 18, 1989, I decided to ski up to Herman Lake to Cave Lake Cave. My purpose was to take advantage of the cold winter conditions and check the sump in hopes of it being low enough to continue into the cave. (See The Alaskan Caver, Volume 7, Number 2, page 3 (1982) for map of Cave Lake Cave).

It was necessary to ski in five miles, and with some effort I arrived at the entrance to the cave. Inside, ice shelves were protruding into the passage and the floor was covered with slabs of fallen ice. It was apparent that the cave had remained flooded well into the winter. After donning caving gear, I made my way down the main ice-cluttered passage past a forest of pure white ice stalagmites. Here the shelf of three-inch-thick ice remained in place some seven feet above the floor and completely spanned the six-foot-wide canyon for about twenty feet. A couple of chunks of thrown ice brought

the bridge crashing down with a tremendous boom! Further in, unfortunately, the stream was still flowing nicely and the sump was only about two feet lower than I had ever seen it--far short of leaving the lake dry.

Another shelf of ice spanned the area above this terminal lake, and a well-tossed piece of ice knocked it loose with a loud roar followed with a gust of wind from all the displaced air. The possibility of continuing without diving equipment is remote as it still sumps. On the way back out, the other sump was completely sealed with ice, and I paused to photograph the white stalagmites which proved to be covered with a fine white powder, probably calcium carbonate. It was a great trip. □

[**Editor's Note:** Cave Lake Cave, near Haines, is not to be confused with Cavern Lake Cave, on Prince of Wales Island, which was the cover story of our last issue.]

---

**Exchange News**

- The December 1989 issue of DC Speleograph reviewed the June issue of The Alaskan Caver, 9(3), in "News from Alaska", on page 9. Mentioned are old DC Grotto members, Rich and Lis Hall, new DC Grotto member, Mike Mauser, as well as other Glacier Grotto members: Kevin Allred, Harvey Bowers, Bob Bastasz, Jay Rockwell, and Kathy Tonnessen. Our friend David Hatfield is also mentioned.

- The December 1989 issue of Cave Cricket Gazette, 14(8):89-90, made a full reprint of an October

1989 article by Jay Rockwell from The Alaskan Caver 9(4):3-4. It was prefaced by Doug Stecko's kind remark: "This article appeared in one of our exchange newsletters, The Alaskan Caver. I'm reprinting it because of the importance of this recent discovery."

- The December 1989 Explorer was the first received acknowledgement of our October report of the discoveries made last summer. A brief summary of The Alaskan Caver 9(4):3-4 is given on page 132.

# Directory of Membership, Glacier Grotto 189

Name	Address	Pd	NSS#	Home Tel	Wk Tel
Allred, Carlene B.	P. O. Box 376, Haines, AK 99827	89	16389FR	none	none
Allred, Kevin (at lg)	"	89	16730RE	"	"
Bacon, William W., III	P. O. Box 190326, Anchorage, AK 99519-0326	90		(907)248-4811(206)547-5131	
Bastasz, Bob	P.O. Box 2417, Livermore, CA 94550	89N	13696RE	(415)443-9624(415)294-2013	
Bennett, John J. (Jeff)	HC 79 Box 4499, Chugiak, AK 99567	89	30847RE	(907)686-6080(907)269-1111	
Bennett, Katie	"	89		"	
Benson, Boyd E.	18020 4th 89N				
Bergman, Lauralee	758 Park Avenue, Ketchikan, AK 99901	90		(907)255-3767	
Binnian, Emily F.	1101 Cordova Street, Anchorage, AK 99501	89	31038RE	(907)278-1044(907)271-4065	
Black, Curt	P. O. Box 162452, Austin, TX 78716	89		(512)338-1813(512)327-9840	
Bowers, Wm. Harvey (Editor)	305 South Bartlett Circle, Wasilla, AK 99687	89	12088RE	(907)376-2294(907)373-2247	
Brewer, Jan D., D-06498	P. O. Box 8101-2295, San Luis Obispo, CA 93409-0001	90	26344RE		
Bridges, Rick	P. O. Box 1675, Carlsbad, NM 88221-1675	89	12084SU	(505)867-5730	
Burger, Raymond A.	P. O. Box 672349, Chugiak, AK 99567	89	30656RE	(907)688-3835(907)562-3534	
Campbell, Dr. William G.	1101 Cordova Street, Anchorage, AK 99501	89	31039FR	(907)278-1044(907)276-7374	
Carlson, Lynette	P. O. Box 214, Thorne Bay, AK 99919	89			
Decker, David D.	124 5th Avenue, Apt B, Chula Vista, CA 92010	90	31115RE	(619)585-7071(519)566-4736	
Decker, Dr. John E.	Anco, AK P.O. Box 100360, Anchorage, AK 99510	89	09475	(907)345-3489(907)265-1521	
Devaul, Dee Dee	P. O. Box 670163, Chugiak, AK 99567	89			
Dodd, Doug	6225 Bernard Avenue, Alexandria, VA 22310	89	29078AS	(703)626-3386	
Duchanin, Jim	P.O. Box 1138, Girdwood, AK 99587	89		(907)783-2439	
Duchanin, Sai	"	89		"	
Dunaway, Samuel M. (treas)	7301 Chad Street, Anchorage, AK 99518	89	04837RE	(907)344-4037(907)762-2171	
Dunaway, John	"	89		"	
Dunaway, Sharon	"	89		"	
Dunaway, Todd	"	89		"	
Dunec, JoAnne L.	2000 Vallejo, No. 8, San Francisco, CA 94123	89			
Faulk, Marty L.	P. O. Box 35170, Ft. Wainwright, AK 99703-0170	90	28772RE	(907)353-5133	
Faulk, Melba	"	90	31366FR	"	
Gaertner, Linda M.	72 1/2 East Norwich Avenue, Columbus, OH 43201	90N	30397AS		
Gehring, Evan	1024 West 25th, Casper, WY 82604	89N	28685	(307)237-2236	
Hall, Elisabeth Schutzenbach	7040 Gibbs Hill Circle, Anchorage, AK 99504	90	16557FR	(907)333-2090	
Hall, James Allen	"	90	29632FA	"	
Hall, Matthew Thomas	"	90	22131FA	"	
Hall, Michael Ian	"	90	24151FA	"	
Hall, Richard Allen	"	90	16556RE	(907)333-2090(907)257-1377	
Hall, Jo-ann	4840 East Atlantic Place, Denver, CO 80222	89	28874RE	(303)759-8400	
Halliday, Dr. William R.	6530 Cornwall Court, Nashville, TN 37205	89N	812HFT	(615)352-9204(703)430-4826	
Hallinan, Dr. Thomas (at lrg)	1617 Wolverine Lane, Fairbanks, AK 99709-6628	89	06329RE	(907)479-6064(907)479-7454	
Hallinan, Nancy C.	"	89	06367FR	(907)479-6064	
Hamilton, Tom	USGS, 4200 University Dr., Anchorage, AK 99508-4667	89		(907)333-8805(907)786-7451	
Hampton, Don	Box 82950, Fairbanks, AK 99708	89	27054RE	none (907)474-7741	
Head, Joe	21102 NE 242 Avenue, Battle Ground, WA 98604	89	13561RE	(206)687-2668	
Hecker, Miles	3200 Green Meadows Drive, Casper, WY 82604	89N	18733RL	(307)237-2612(307)457-3329	
Hecker, Patti Shannon	"	89N	21566FR	(307)237-2612	
Helms, Mary	801 Airport Heights #315, Anchorage, AK 99508	90	26539RE	(907)258-5592	
Iiliff, Alice L.	804 "P" St. #3, Anchorage, AK 99501	89	13966FR	(907)279-4729	
Iiliff, Chuck	"	89	13956RE	(907)279-4729(907)786-1606	
Jackson, Nathan P.	5972 Roosevelt Drive - STG, Ketchikan, AK 99901	89	30317RE	(907)225-3431	
Jackson, Dorica Rockwell	"	89	30318FR	"	
Jackson, Rebecca L.	"	89	30320FA	"	
Jackson, Stephen P.	"	89	30319FA	"	
Jansen, Barbara	Box 395, Eagle River, AK 99577	89		(907)694-2963	
Jansen, John F.	"	89	4040	" (907)276-4441	
Kelstedt Kelly	Route 6, Box 1344, Santa Fe, NM 87501	89		(505)471-7077	
King, Philip T.	1813 Bannister, Anchorage, AK 99508	90	29943FR	(907)276-0138	
Klinger, Col. David M. (NWRrep)	P. O. Box 537, Leavenworth, WA 98826	90	10583RE	(509)548-5480(509)548-5880	

Koenck, Leon T.	P. O. Box 670163, Chugiak, AK 99567	89	23519
Kraettli, Elisa M.	P. O. Box 72291, Fairbanks, AK 99707-2891	89	16380RE (907)455-6546(907)456-5711
Lane, Buddy	40 Hidden Brook Ln., Signal Mountain, TN 37377-2063	89N	12054RE (615)886-6219(615)867-2846
Lane, Doranne Mullenix	"	89N	17389RE (615)666-6219
Lawton, William S.	"	89	30837RE
Lewis, Steve	P. O. Box 319, Cordova, AK 99574	89	30022RE (907)474-7774
Lipkin, Robert	UAF Room 211 Irving ADWRU, Fairbanks, AK 99775	90	(907)243-5242(907)279-4549
Mausen, Michael W.	2314 Tulik Street, Anchorage, AK 99517	89	11135RE (301)571-1961(301)496-5077
Mays, Rachael H.	9404 Balfour Drive, Bethesda, MD 20814	90	29942RE (907)276-0138(907)564-5220
Meier, Stephen F.	1813 Bannister Street, Anchorage, AK 99508	89	31095RE (907)479-2831
Messler, Neeld J., II	P. O. Box 83226, Fairbanks, AK 99708	89N	28734 (719)687-2555
Metzler, Curvin B.	P. O. Box 5953, Woodland Park, CO 80866	89	23883RE (907)333-8766
Moll, David M. (vicepres)	P. O. Box 100738, Anchorage, AK 99510	89	10106RE (907)455-6578(907)474-6318
Moll, Marshall M., II	P. O. Box 82044, Fairbanks, AK 99708	89	2929BFR
Moll, Sandra K.	"	89	29297FR
Moon, Hank	316 Chambliss Street, Apt. C., Chatanooga, TN 37405	89N	28171RE (615)266-0916(615)265-2254
Morgan, Linda	11302 Melody Dr., #308, Northglenn, CO 80234	89N	
Morton, Bruce R., Jr.	HC 83 Box 206 Eagle River Rd, Eagle River, AK 99577	90	3202RL (907)694-9112
Morton, Virginia	"	90	
Nicholls, James R.(Act.Sec.)	3020 Davis Road RD 10, Fairbanks, AK 99709	89	15216RE (907)474-0104(907)585-6213
O'Harra, Doug	P. O. Box 14-9001, Anchorage, AK 99514-9001	89	(907)257-4200
Olson, Dr. Wallace	Box 210961, Auke Bay, AK 99821	89	(907)789-3311(907)586-1679
Olson, Marie M.	"	89	
Pease, Maj C.R. (Chuck)	Box 547, APO, NY 09057 (W.GERMANY)	89	4847FL 49-6152-8233949-69151-5142
Remele, James J.	7840 Convoy Court, San Diego, CA 92111-1210	89	(619)277-1010
Rockwell, Bill	6318 East Greenlake Way North, Seattle, WA 98103	89	30316RE (206)524-6025
Rockwell, Dr. Julius, Jr.(pres)	2944 Enory Street, Anchorage, AK 99508-4466	89	11308RE (907)277-7150(907)564-8267
Rockwell, Elizabeth A.	"	89	15232FR (907)337-1583
Rockwell, Julius IV (Tad)	1090 Alder Street, Eugene, OR 97401	89	17856FR (503)687-9127
Rosenbaum, Tonya	Box 92401, Anchorage, AK 99409-2401	89	appl (907)522-1670
Ruggles, Anne K.	Box 82950, Fairbanks, AK 99708	89	27053RE none (907)474-7741
St. Dennis, Cathy	1103 Chugach Way #3, Anchorage, AK 99503	90	(907)561-3628(907)263-9000
Sanders, Dr. Robert B.	11661 Rockridge Road, Anchorage, AK 99516	89	(907)345-0203
Sandhofer, Paul F.	P. O. Box 9-1333, Anchorage, AK 99509	89	(907)344-3259(907)249-1293
Sattler, Robert Alan	P. O. Box 80466, College, AK 99708	89	27469RE (907)479-3398(907)474-7818
Seifert, Dr. Richard D.	1196 Violet Drive, Fairbanks, AK 99712	89	22571RE (907)278-9246
Seiser, Pam	1990 K Street, NW, Washington, DC 20526	89	(907)248-6619(907)786-3340
Shivers, Stephen P.	2221 Muldoon Road, St 6888, Anchorage, AK 99504	90	(907)333-6672
Shivers, Linda K.	"	90	
Sims, Steven M.	2110 Bula Drive, Colorado Springs, CO 80915	89N	26499RE (719)574-8329
Smith, Dr. G. Warren	408 West Dakota, Hammond, LA 70401	89	5601RL (504)549-3742(504)549-2280
Smith, Marion O.	P. O. Box 8276, U. T. Station, Knoxville, TN 37996	89N	9164RE (615)584-4927(615)974-2449
Strait, Ann Knox	P. O. Box 1675, Carlsbad, NM 88221-1675	89	13218FR (505)887-5730
Teel, Bruce	2000 Vallejo No. B, San Francisco, CA 94123	89	
Thompson, Norman R.	11302 Melody Drive, # 308, Northglenn, CO 80234	89N	26017RE (303)457-3329(303)538-3675
Tonnessen, Dr. Kathy A.	P. O. Box 2417, Livermore, CA 94550	89	(916)441-3044(916)324-1744
Van Note, Mike	P. O. Box 26, Haines, AK 99827	90	14174RE
Ward, Denise E.	390 South High Bench Road, Alpine, UT 84004	89	20815RE (801)756-9329(801)321-1180
White, Sharon	9461 Hiland Road, Eagle River, AK 99577	90	(907)694-9562(907)561-1615
White, Matt	"	90	
Whitt, Dr. Horace M.	1510 Chandler Avenue, Ann Arbor, MI 48105	89	12951RE
Wright, Winfield G.	3506 Pinebrook Drive, Richmond, VA 23225	89	20655RE (804)272-5336(804)771-2422

KEY: Pd = Year through which membership has been paid.

(PdN = member owes primary allegiance to another Grotto.)

NSS # = NSS Membership number; status with NSS is indicated by letters;  
i.e. no letters means NSS membership has lapsed.

Summary: Total membership - 108; Primary affiliation NSS members - 58  
as of December 31, 1989.

# POWIE III Summary and Statistics by Carlene Allred

Since Kevin has been busy writing the Forest Service reports he has asked me to assemble this summary for him. The following is a list of the participants:

Carlene Allred	Curvin Metzler
Kevin Allred	Steve Mier
Bob Bastasz	Dave Modisette
Harvey Bowers	Hank Moon
Rick Bridges	Linda Morgan
Evan Gehring	Jim Nicholls
Miles Hecker	Jay Rockwell
Patti Hecker	Liz Rockwell
Dorica Jackson	Anne Strait
Nathan Jackson	Doug Strait
Kelly Kelstedt	Norman Thompson
Buddy Lane	Kathy Tonnessen
Steve Lewis	Mike Van Note
Neeld Messler	Winfield Wright

All participants together surveyed a total of 9586 feet. The following is a list of the caves and pits explored and surveyed:

Belittled Pit  
Blowing in the Wind Cave  
Cavern Lake Cave  
Deer Creek Sinks (Heceta Island)  
Drip Drop  
El Capitan Cave  
El Capitan Pit  
Frost Pocket Cave  
Macho Peekaboo Cave  
Mint Lake Cave (Heceta Island)  
Perfect Pit  
Pit on the Cutting Edge  
Snow Hole  
Window Well

The five longest reported limestone caves in Alaska, by total feet surveyed, are:

1. El Capitan Cave	9046
2. Starlight Cave	2189
3. Macho Peekaboo	972
4. Blowing in the Wind	745
5. Lower Cavern Lake	726

The seven deepest reported limestone caves in Alaska, by total feet in depth, are:

1. El Capitan Pit	625
2. Snow Hole	449
3. Blowing in the Wind	313
4. El Capitan Cave	256
5. Macho Peekaboo	223
6. Starlight Cave	201
7. Window Well	196

The three largest reported underground (limestone) rooms in Alaska, in feet length by width by height (highest ceiling), are:

1. Alaska Room (El Capitan Cave)	230 (L) x 85 (W) x 116.5 (H)
2. Ghost Room (Macho Peekaboo)	185 (L) x 75 (W) x 25 (H)
3. Main Room (Lower Cavern Lake)	163 (L) x 99 (W) x 23 (H)

The following is a list of the participants who did the most surveying, by total footage (not including survey notes not turned in nor taking into consideration that some people put a lot of time into ridgewalking, hauling gear, Doug's rescue, recovery of gear dropped in the helicopter mishap, photography, or babysitting):

1. Kevin Allred*	6645
2. Steve Lewis	3969
3. Mike Van Note	1915
4. Curvin Metzler	1909
5. Miles Hecker	1817
6. Carlene Allred*	1619
7. Kelly Kelstedt	999

\*Those who were on the expedition the entire month were therefore able to accumulate more footage.

Here is a summary list of the new breakthroughs made in El Capitan Cave, followed by the initials of those involved:

1. Discovery and survey of Lower Rockwell River (BB AS KA EG MH MVN SL CM)
2. Discovery and survey of the Honeycomb and Upper Rockwell River (SL CA KA)
3. Discovery of the Mud Maze (KK CA)
4. Exploration and survey of the Alaska Room (BB KT CA KK NT)
5. Discovery and survey of Coffee Passage (MVN KA KK CM SL)
6. Completion of exploration and survey of the entire Lower Maze (SL KA)

We would like to specially thank our babysitters, Patti Hecker, Liz Rockwell, Harvey Bowers, Kevin Allred, Linda Morgan, and Carlene Allred.

Patti Hecker and Liz Rockwell were especially supportive at base camp. We would also like to thank Win Wright for his expertise and for providing materials in the dye tracing.

Special thanks to the following supporters of the expedition:

1. The Forest Service for logistical support
2. Rick Bridges for providing us with food and equipment discounts, and the helium
3. Buddy Lane for a discount on rope
4. Jim Nicholls, Beth McCready for graphics supplies
5. John Halleck for information regarding underground radio communication □

### Minutes of Grotto Meeting

November 11, 1989

Attending the meeting were fifteen Glacier Grotto members and three guests. Jay Rockwell, the president, began the meeting by reviewing the minutes from the August meeting.

Jay briefly discussed how geographically widespread the Glacier Grotto membership is and that this presented unique governing problems. The meeting agenda consisted of two items: defining the duties of members-at-large, and discussing the financing of the newsletter.

It quickly became apparent that nobody knew what the duties of a member-at-large really were. It was thought that a member-at-large served as an aid to the president, or as a contact in relaying information between population centers in the state. But the by-laws do not define the role of a member-at-large, so would need to be changed.

It was decided that the role was more like a regional officer or representative, and perhaps should be called vice-president of a particular area instead. Since such an officer would be necessary only where either members or caves were located, the number and location would change as membership or active caving areas changed.

Finally, it was moved and seconded that Jay would make a proposal to change the by-laws in The Alaskan Caver. The motion passed by a majority vote, and Jay formed a committee consisting of himself, Lis Hall, chair, and Sharon White.

Financing the newsletter has become a concern since costs have increased along with size. Money raised from dues and patch sales does not cover costs, so sponsors may be needed. Volunteers to help with production are also needed. □



Members in the News (Contributions invited)

• William R. Halliday's 1981 article, "Zanzibar Speleophiletic Cave-hunting", appeared in The Speleo Stamp Collector 4:82, 3 pp. It tells how to and how not to get to the cave.

• William R. Halliday's 1982 article, "Venezuela's Cueva del Guacharo and its stamps", appeared in The Speleo Stamp Collector 5:82, 3 pp. It also gives advice on how to get there.

• Steve Sims' 1987 article, "A major plateau discovery: Twenty Pound Tick Cave opens up", in Rocky Mountain Caving 4(4):26-27 was cited in Current Titles in Speleology, Number 21 --the literature of 1988, publ.

of the British Cave Research Asso., page 27.

• William R. Halliday's 1987 article, "National Cave Law. Proposal--clean draft July 18, 1987", in the Fall 1987 Speleograph 23(9/10):73-75 was cited in Current Titles in Speleology, Number 21--the literature of 1988, publ. of the British Cave Research Asso., page 31.

• Richard A. Bridges' 1987 article, "The Colorado Cave Survey report", in Rocky Mountain Caving 4(3):27-28 was cited in Current Titles in Speleology, Number 21 --the literature of 1988, publ. of the British Cave Research Asso., page 28.

**Glacier Grotto**

2944 Emory Street  
Anchorage, Alaska 99508-4466

Address Correction Requested

