

May 1980

## Alaskan Caver, Volume 5, No. 3, May-June 1980

Richard A. Hall

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# The Alaskan Caver

Vol. 5, No.3  
MAY-JUNE 1980



## CALENDAR OF EVENTS

- June 19 Glacier Grotto Meeting. The program will be an NSS slide show on Cave of the Winding Stair. Meetings are held in room 312 Grant Hall, Alaska Pacific University at 7:30 pm.
- July 5-6 Homer/ Kachemak Bay seacave trip. Trip leader is Sydney Jenkins 274-0805.
- July 17 Glacier Grotto Meeting. Meetings are held in room 312 Grant Hall, Alaska Pacific University at 7:30 pm.
- July 20-26 Hike in the White Mountains to look for caves. The Tolovana Limestone is up to several thousand feet thick in this area and is known to be cavernous in the Minto area. (See V 5 # 2 of the Alaskan Caver for description of the area.) The trip will entail a twenty mile hike in on the White Mountain Trail to get to the base of the mountains and climbing around on the mountains the rest of the time. Contact Rich Hall at 333-2090 as soon as possible if you are interested.
- July 28-Aug.1 NSS Convention in White Bear Lake, Minnesota (see p 5).  
NOTE : we need a representative at the convention; if you plan to go please contact Jay Rockwell at 277-7150.
- August 16-17 Possible trip to check out Devonian Limestone in the Mentasta Lake area. Check with Rich Hall if you are interested.
- August 21 Glacier Grotto Meeting. The program will be an NSS slide show on Caving Safety.
- Aug.24-Sept.1 Annual Labor Day Chitistone Valley cave trip.
- September 18 Glacier Grotto Meeting.
- October 16 Glacier Grotto Meeting. The program will be an NSS slide show.
- November 20 Glacier Grotto Meeting.
- December 18 Glacier Grotto Meeting. The program will be an NSS slide show.

The ALASKAN CAVER is a periodic publication of the Glacier Grotto of the National Speleological Society. Subscriptions are free to members. Membership dues are \$3 per annum. Dues can be sent to Sydney Jenkins at Box 4-2917, Anchorage, AK 99509. Copyright 1980 by Glacier Grotto. Material not copyrighted by individuals or other groups may be copied by other NSS publications provided credit is given to the ALASKAN CAVER and a copy of such publication is sent to the editor.

### Editor:

Richard Hall

### Publisher:

David Moll

### GROTTO OFFICERS

President	Julius Rockwell
V. President	David Street
Secretary	Richard Hall
Treasurer	Sydney Jenkins
At Large	David Moll

## NATIONAL SPELEOLOGICAL SOCIETY

The Glacier Grotto is a chapter of the National Speleological Society and as such I felt it was worthwhile to plug the NSS in the Alaskan Caver.

The NSS provides numerous benefits to members. Bits of information on National and International caving topics in the Alaskan Caver are often taken from NSS publications. Many of the slide shows at Glacier Grotto meetings are ordered from the NSS at very reasonable rates. The annual NSS Convention is a week chock full of caving information, caving activities and cavers and is well worth the trip.

This issue of the Alaskan Caver is devoting two pages to the NSS and two pages to the NSS Convention near Minneapolis MN July 28 - August 1 1980 for non-NSS cavers in Alaska as an invitation to join --- but please not at the expense of joining the Glacier Grotto, we need your membership too.

## TYPES OF MEMBERSHIP AND ANNUAL DUES

- Regular* (Age 17 and over): All membership privileges as well as monthly publication *NSS News*, quarterly publication *NSS Bulletin* ..... \$15.00
- Associate*: Non-voting. For all under 17 and, if they wish, non-U.S. citizens living abroad and full-time students \$10.00
- Family Member (regular)*: Another adult in a Regular (or higher) Member's immediate family may obtain Regular Membership privileges without publications ..... \$4.00
- Family Member (Associate)*: Another adult in a Associate Member's immediate family, or a child under 17 of any member, may obtain membership without the right to vote, to hold office, or receive publications ..... \$4.00
- Sustaining*: All membership privileges (\$35 credit toward Life membership until nine-tenths of total payment is reached ..... \$50.00
- Life Membership*: All membership privileges ..... \$350.00
- Gift*: May be given by any NSS Member (the donor shall be responsible for familiarizing the new member with the NSS Conservation Policy). Ordinary rates apply.
- Institutional*: (Educational and scientific institutions, commercial caves, etc.) ..... \$25.00
- Subscriptions*: NEWS and BULLETIN (Libraries) ... \$18.00
- ☐ NEWS (Only) \$10.00      ☐ BULLETIN (Only) \$10.00

### MAIL APPLICATION AND DUES TO:

NATIONAL SPELEOLOGICAL SOCIETY, INC.  
CAVE AVENUE  
HUNTSVILLE, ALABAMA 35810

## NATIONAL SPELEOLOGICAL SOCIETY MEMBERSHIP APPLICATION

FULL NAME \_\_\_\_\_

MAILING ADDRESS \_\_\_\_\_

(City) \_\_\_\_\_

(State) \_\_\_\_\_

(ZIP - Necessary) \_\_\_\_\_

Are you a former NSS member? \_\_\_\_\_

NSS Number \_\_\_\_\_

Please send me information on the following Society activities and/or Sections:

Grotto Membership: \_\_\_\_\_

*I am familiar with the purposes of the National Speleological Society and its Policy on Cave Conservation and, in support thereof, I hereby apply for the following membership: (Check one)*

☐ Family Member

☐ Sustaining

☐ Regular

☐ Life Membership

☐ Gift

☐ Associate

If student, give name of School \_\_\_\_\_ (Check, etc. to be made payable to the National Speleological Society, Inc.)

Applicant's Signature \_\_\_\_\_

Date of Birth \_\_\_\_\_

For Gift Membership: Name of Donor \_\_\_\_\_

NSS No. \_\_\_\_\_

## NSS POLICY FOR CAVE CONSERVATION

The National Speleological Society believes: That caves have unique scientific, recreational, and scenic values; That these values are endangered by both carelessness and intentional vandalism; That these values, once gone, cannot be recovered; and that the responsibility for protecting caves must be assumed by those who study and enjoy them.

Accordingly, the intention of the Society is to work for the preservation of caves with a realistic policy supported by effective programs for: the encouragement of self-discipline among cavers; education and research concerning the causes and prevention of cave damage; and special projects, including cooperation with other groups similarly dedicated to the conservation of natural areas. Specifically:

All contents of a cave—formations, life, and loose deposits—are significant for its enjoyment and interpretation. Therefore, caving parties should leave a cave as they find it. They should provide means for the removal of waste; limit marking to a few, small and removable signs as are needed for surveys; and, especially, exercise extreme care not to accidentally break or soil formations, disturb life forms or unnecessarily increase the number of disfiguring paths through an area.

Scientific collection is professional, selective and minimal. The collecting of mineral or biological material for display purposes, including previously broken or dead specimens, is never justified, as it encourages others to collect and destroys the interest of the cave.

The Society encourages projects such as: establishing cave preserves; placing entrance gates where appropriate; opposing the sale of speleothems; supporting effective protective measures; cleaning and restoring over-used caves; cooperating with private cave owners by providing knowledge about their cave and assisting them in protecting their cave and property from damage during cave visits, and encouraging commercial cave owners to make use of their opportunity to aid the public in understanding caves and the importance of their conservation.

Where there is reason to believe that publication of cave locations will lead to vandalism before adequate protection can be established, the Society will oppose such publication.

It is the duty of every Society member to take personal responsibility for spreading a consciousness of the cave conservation problem to each potential user of caves. Without this, the beauty and value of our caves will not long remain with us.

# Are you interested in CAVES?



NATIONAL SPELEOLOGICAL SOCIETY

affiliated with the

American Association For The Advancement Of Science

# We would like to invite you to join with thousands of others who share your interest in caves.

The National Speleological Society (NSS) is an organization dedicated to the Study, Exploration and Conservation of Caves. The Society is an organization for anyone interested in caves. The membership of the NSS is made up of cave scientists, conservationists, cave owners and cave explorers, all sharing a mutual interest in caves.

Our activities are as diverse as our membership. Anyone interested in any aspect of caving will find that the NSS has much to offer, such as expeditions to caves in foreign countries, social

gatherings and recreational trips. The NSS also sponsors speleological research and works to protect caves and cave life through a wide range of cave conservation activities.

As a member of the NSS you will receive our monthly news magazine, the *NSS News* and our quarterly journal, the *NSS Bulletin*. Many other services are available, such as use of our library and slide programs, member discounts on books and publications, access to our cave file and even research grants.

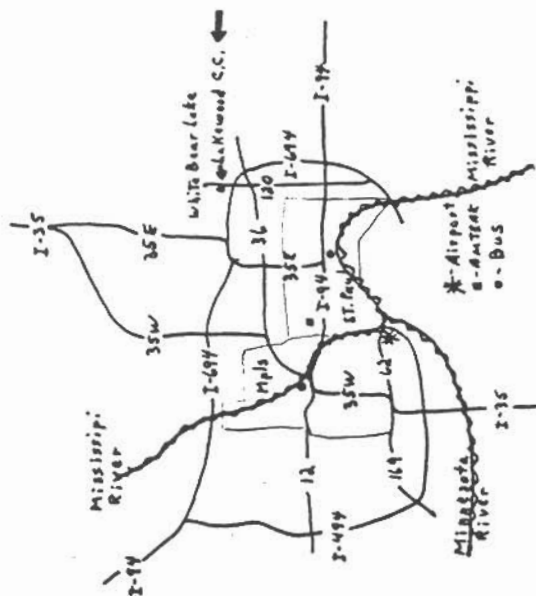
## 15 Reasons to Join Us

1. **THE NSS NEWS** is published monthly and keeps you informed on the activities of the caving community throughout the United States. The NEWS provides you with accounts and photographs of current explorations, business matters, Grotto news, book reviews, and other articles of interest.
2. **THE NSS BULLETIN** is published quarterly and is devoted to reporting on original speleological research. The BULLETIN provides NSS members with reports of recent scientific findings in various areas of speleological interest.
3. **THE NSS LIBRARY** contains one of the most extensive collections of works pertaining to caves in existence. The Society's library, located in Huntsville, Alabama, contains hundreds of volumes and is a repository for publications dealing with caves from all over the world. NSS members will, upon request, be provided with a list of circulating titles.
4. **SPECIAL PUBLICATIONS** relating to speleology and caving, such as "The Caving Information Series" and "The Speleo-Digest," are available to NSS members. Various special publications sponsored by the Society may be obtained at cost by NSS members from the Society's office.
5. **CAVE FILES** containing various types of data on caves throughout the United States are maintained by the Society. Non-restricted information relating to cave access, cave owners and cave locations is available to NSS members upon request from the Chairman of the Cave Files Committee.
6. **GROTTOS**, which are the local chapters of the National Speleological Society located throughout the country, provide NSS members with the opportunity to join with other NSS members in a wide variety of activities related to caves.
7. **THE AUDIO-VISUAL LIBRARY** is maintained by the Society and contains numerous slide programs on a wide range of cave-related topics. In addition to slide programs, a number of audio tapes are also available for NSS members' use.
8. **CONVENTIONS**. The NSS Annual Convention attracts hundreds of members from all over the country. The conventions feature a wide range of activities including field trips, photographic displays, and a host of other activities.
9. **CONSERVATION** of caves and cave resources represents one of the most outstanding accomplishments of the Society in the last decade. Activities ranging from recommendations on Federal projects to cave restoration projects have been responsible for the preservation of numerous caves that may have otherwise been lost. As a member of the NSS you are invited and encouraged to become involved in the Society's conservation efforts.
10. **RESEARCH FUNDS** granted by the NSS have supported numerous speleological investigations. NSS members, through research grants such as The Ralph W. Stone Research Fund, have made and continue to make significant contributions to our understanding of caves.
11. **FELLOWSHIP**. As a member of the NSS you will be joining with thousands of others throughout the nation who share with you a serious interest in the study, exploration and conservation of caves. The NSS provides the framework within which speleologists, cavers, and conservationists can share ideas and work for common goals.
12. **SAFETY AND TECHNIQUES**. The Safety and Techniques Committee of the NSS is continually testing, evaluating, and reporting to Society members on the merits of various types of equipment and new techniques. This type of information enables Society members to utilize the safest and latest equipment and techniques when exploring caves.
13. **BOOKSTORE**. The NSS maintains an extensive bookstore at the Society's Office in Huntsville. Members receive a listing of the publications which may be purchased. Many of these publications are sold to members at a discount.
14. **SECTIONS** are made up of NSS members who share a common interest in a specific area of speleology or caving. You may wish to join a section devoted to Biology, Cave Diving, Geology & Geography, Social Science, Vertical Caving, or Women in Caving.
15. **YOU!** If you are seriously interested in the study, exploration, and conservation of caves, you owe it to yourself to join with the thousands who share your interest and become a member of the National Speleological Society.

The National Speleological Society

"Dedicated to the Exploration, Study and Conservation of Caves"





Major routes within the Twin Cities area are shown on the adjacent map. Lakewood Community College is only 1/2 mile north of I-694 on Minnesota 120.

For further information or mass transit pick-up contact one of the following: Chairman, Ed Zawlocki (612) 529-9420; Registration, Mary Huber (612) 724-5205.

## Pre-Registration Form NSS Convention 1980

Make check payable to: NSS Convention, 1980  
Mail check and completed form to:  
Mary Huber  
4104 11th Ave. SE  
Minneapolis, MN 55406

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ NSS No. \_\_\_\_\_  
Pre-Registration Deadline: July 1, 1980  
Refunds: If notified by July 1st, full; between July 2nd-15th, 50% after July 15, none.  
In case of emergency, contact: \_\_\_\_\_  
Name \_\_\_\_\_ Phone \_\_\_\_\_

Registration fees (lumpy party and banquet included):  
(prices will be higher at gate)

	No. of persons	Fee	Total
NSS Members **			
Adult		30.00	
Age 7-15*		21.00	
Non-Members			
Adult		33.00	
Age 7-15*		23.00	
Guidebook *		7.00	
Patch		3.00	
Field Trip Deposit - Geology		20.00	
			TOTAL \$

\* Under 7 yrs. ... w/c  
\*\* (and immediate families)  
\* Guidebook mailed in advance + Add \$2.50 postage and handling.

NSS No. \_\_\_\_\_

Name Tag Information (Please Print)

## 1980 N.S.S. CONVENTION SCHEDULE (SECOND DRAFT)

Note: If we have no chair for a scheduled event by June 15, that event will be dropped from the schedule.

	SAT JULY 26	SUNDAY JULY 27	MONDAY JULY 28	TUESDAY JULY 29	WEDNESDAY JULY 30	THURSDAY JULY 31	FRIDAY AUG. 1	SATURDAY AUG. 2
8 am	Pre-Convention Field Trip	Geology Field Trip	BOG and NSS Officers Meeting	Women's Session	Biology Session	Geology and Geography Session	Cave Management Session	Public Relations Workshop
9	Cave Trips in Iowa, Wisconsin, Minnesota	Pre-Convention Cave Trips	Cave Files Workshop	Computer Applications Workshop	Exploration Session I	Cave Diving Session	BOG and NSS Officers Meeting	Post-Convention Field Trips
10			Vertical Workshop	Medical Workshop	Youth Group Liaison Workshop	NSS Offices Workshop	Public Relations Workshop	Stream-Tracing Workshop
11			Cave Ballad Listening Session	Speleo-Olympics	Social Sciences Session	NSS Management Workshop	Cave Ballad Listening	
12			Cave History Session I	Women's Section Luncheon	Biology Section Luncheon	Geol. Luncheon	Vertical Section Luncheon	
1 pm			Safety Techniques and Cave Rescue	Geology and Hydrology of North Central Driftless Area	Cave History Session II	Cave Management Session	Vertical Session	
2			Conservation Workshop I	Publication and Sales Workshop	C.O.G.	Cave Rescue Contest	Isotope Studies Session	
3			Conservation Workshop II					
4								
5								
6			Howdy Party - Food and Dancing (until midnight)	Movie Night	Tour Night	Photo Salon	Banquet	
7								
8								
9								
10								

Note: Vertical Contest will run Tues., Wed., Thurs.

#### EXHIBITS (other than sellers):

Persons who wish to exhibit their individual displays or collections that pertain to caving please notify us of the type of space you will need for your exhibit by no later than June 30, 1980. Contact: Anne Kress, 3409 - 23rd Ave. S., Minneapolis, MN 55407 (612) 729-6930.

#### CAVING:

Most of the caving will be on a pre- and post-convention basis. If you plan to do some caving you should indicate on your registration form that you do want your copy of the Guidebook mailed to you in advance. Then you will have all the specific details as to what, where, when and how all the trips will be run.

As it stands right now, there will be caving available in 3 states in conjunction with the Convention.

**IOWA:** There will be pre- and post-convention trips. All trips, unless announced otherwise, will start at the Shaft entrance of Coldwater Cave, Iowa, where the Iowa Grotto and the Rock River Speleological Society will hold a spelocamp on the weekend preceding and the weekend following the Convention. Sign-up sheets will be there for trips to: Coldwater Cave (must be made in a wetsuit!); Jesse James Cave; Dutton's Cave; Sowards Cave; Skunk Cave; and Decorah Ice Cave.

All trips except those to Dutton's and Decorah Ice Cave are GUIDED trips. If you plan to do caving in Iowa prior to the Convention you should contact: Iowa Grotto, P.O. Box 228, Iowa City, Iowa 52240; or call Michael Bounk, (319) 626-6104. Drop them a postcard to let them know that you are planning to come.

**WISCONSIN:** Caving in Wisconsin will be available the Saturday and Sunday prior to the Convention (July 26 and 27). The Wisconsin Grotto is planning to run guided tours to a number of different caves. All the trips will leave from some central point in Madison.

If you plan to do pre-convention caving in Wisconsin you are urged to contact: Mike Barden, 826 Ottawa Trail, Madison, WI 53711, (608) 233-6287. Same as with the Iowa cavers, drop them a postcard to let them know that you intend to come.

**MINNESOTA:** South East Minnesota: Caving in S.E. Minnesota will be scheduled for the weekend before and the weekend following the Convention. Individuals can camp in the park area near Mystery Cave before, during, and after the Convention. There will be sign-up sheets for wild-caving in Mystery and these trips will be limited and subject to the availability of MSS leaders. There will also be special rates for the commercial tours available to individuals with Convention ID.

A number of smaller caves in the immediate vicinity will be open for caving. If you plan to do pre- or post-convention caving in S.E. Minnesota, please contact: Roger Kehret, 702 Fillmore, Chatfield, MN 55923, (507) 867-3426.

**City Caving:** Trips to the sandstone caves along the Mississippi River in St. Paul will probably be held in conjunction with the Howdy Party as the caves are in the same vicinity as the restaurant at which the Howdy Party will take place. Still pending: a trip into one of the natural caves under the City of Minneapolis.

#### HOWDY PARTY:

The Howdy Party is scheduled for the evening of Monday, July 28 at a cave restaurant, the Castle Royal. Transportation will be provided from the Convention site to the restaurant

and back. As just mentioned, you might plan to leave early and investigate some of the sandstone caves near the restaurant before the party actually gets underway.

#### GEOLOGY FIELD TRIP:

The Geology Field Trip is scheduled for Sunday, July 27, 1980. Contact: Calvin Alexander, Department of Geology and Geophysics, University of Minnesota, Minneapolis, MN 55455, (612) 376-4905 (office) or 822-9357 (home).

#### SPECIAL EVENTS:

Other than the already mentioned sessions and workshops we will have a cave rescue competition sponsored by the Pittsburgh Grotto. We are planning a stream-tracing workshop for August 2. In conjunction with his talk which is scheduled for the history session, a local expert will also lead a field trip (very limited numbers) to view petroglyphs in one of the rock-shelters near the St. Croix River. Also still in the process of being scheduled are some short biology field trips which will emphasize local plants and habitats.

#### OTHER EVENTS:

There is a huge variety of "things to do" that are available in the Metropolitan area and most places are reachable via the city bus system. Facilities for swimming are as close as the beach in White Bear Lake, which is about 5 minutes from the Lakewood College campus. Elsewhere throughout the metro area there are many other facilities for canoeing, hiking and biking. Several really worthwhile things to see are the Minnesota Zoo which is a zoological garden where all the animals are exhibited in their natural habitats. They have 2 bat exhibits. The Science Museum of Minnesota, is a new museum with a "hands-on" approach to exhibits and viewing a film in its omni-theatre is really a treat! For those who are interested in other cultural activities there are many theatres and museums. During the summer there are regularly scheduled performances and concerts in the area city parks. We will have a much more complete listing available at the registration/information desk of events and other activities that are occurring throughout the cities during the Convention.

#### CONVENTION STAFF:

<b>Chairman:</b> Ed Zawlocki 1628 Dupont Ave. No. Minneapolis, MN 55411	<b>Program:</b> Larry Laine 1394 Edmund Ave. St. Paul, MN 55104	<b>Contests:</b> Bill Maron 2616 2nd Ave. So. Minneapolis, MN 55408	<b>Publicity:</b> Anne Kress 3509 23rd Ave. Minneapolis, MN 55407
<b>Publications:</b> Dennis Martin 1055 24th Ave. S.E. Minneapolis, MN 55414	<b>Guidebook:</b> Calvin Alexander 4216 11th Ave. So. Minneapolis, MN 55407	<b>Treasurer:</b> Bob Huber 4104 41st Ave. So. Minneapolis, MN 55406	<b>Registration:</b> Mary Huber 4104 41st Ave. So. Minneapolis, MN 55406

## GULL ROCKS SEACAVES

The first rainy weekend of the season; that about sums up the May 17-18 Gull Rocks overnight. An afternoon of partly sunny on Saturday, snow at Turnagain Pass, and sleet on the hike out added variation to the otherwise continuous rain which the winds kept moving horizontally. If you've ever camped at Gull Rock you'll recall the vegetation windbreak which acts like a giant wedge forcing the wind to blow over your heads thereby providing excellent shelter from the nasties as long as you stay in camp.

Saturday afternoon I and three others headed west along the coast looking for seacaves. The other hikers were Mountaineering Club of Alaska members. Seacaves are formed by the waves eroding softer veins in the rock along the high tide line. They are common on Turnagain Arm, Kachemak Bay, Resurrection Bay and many other places where rock cliffs are met by tidal waters (see Alaskan Caver Vol 4 Num 3). We found about twenty caves including two fifty footers and taped a seventy foot long tunnel that I had found last year. Details of the new caves may appear in a future issue of the Alaskan Caver.

It was fun looking for them and climbing on the rocks but the real excitement came on the way back to camp. We had left camp while the tide was going out but by the time we got two miles down the coast to Gull Rock 2 the tide was well on its way in again, cutting off any chance of using our shoreline route for returning. We had known this would happen but we also knew that the map showed the Gull Rocks Trail passing near the beach at that point. What we didn't know was that at two miles past Gull Rock, the trail was only a memory or a figment of a cartographer's imagination. Even when we found ancient orange flags marking the trail (which we couldn't find at all for the first quarter mile) we spent our time pushing aside bushes and devil's club to make our way through. In other words, the trail needs a bit of maintenance. But we arrived back in camp only five hours after we had left for a nice hike down the beach.

Rich Hall

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## ALASKA CAVE POTENTIAL RESEARCH - CURRENT STATUS

I am currently doing a good bit of library research to determine areas of limestone in Alaska and their cave potential. I am concentrating most of my efforts on USGS publications: Bulletins, Professional Papers, geologic maps, and Open File Reports, but check out other references when I have a good lead. USGS Publications are available in three places in Anchorage: the USGS Public Inquiries Office on 2nd Ave, the Resources Library in the Federal Building, and the University Consortium Library. The University has the smallest collection but by far the best hours for someone who works during the day.

I have not restricted my research to any one part of the state but have concentrated my efforts wherever caves are known or are rumored to occur. I am learning what general areas of the state contain limestone and I am amazed at how much limestone exists here although it is not all of such quality as to contain caves. I have also found that some areas have many articles written on them and some very few (the areas that are more extensively documented are generally those with mineral or petroleum potential).

I expect it will take me a few years to make a thorough research at my present rate and would like to coordinate activities with anyone else who is interested. I could use some help on several aspects: library research, talking to people about caves they know, field research (for its own sake or while you're out doing something else). I would also be glad to share my findings and library with anyone interested in the subject.

Rich Hall



## APRIL MEETING

The April meeting proved to be more exciting than most. Jay Rockwell talked about some caves and possible caves that he saw while in the Brooks Range in the Atigun Pass area. He visited Ross Brockman's cabin (Alaska Caver vol 4 no 1) but didn't have time to get into any caves. Rich Hall announced the Gull Rocks seacave trip and other upcoming cave trips.

The best part of the meeting was the NSS slide show on Wayne Cave in Indiana. Rusty Rubeck had suggested the show because he had been caving some there in the late sixties. What no one knew was that John Jansen had been in on the discoveries in much of the cave during the mid-fifties and had spent a lot of time in the cave. John's his wife Barbara had also been caving there in the same period. So the three of them gave a great description of the cave and account of the discoveries for the rest of us. Three Glacier Grotto members who had been in the same cave at any time, especially in Indiana was quite a stroke of chance, but the big surprise was when we were suddenly presented with a full face slide of Rusty coming through a squeeze fifteen years ago. Rusty had no idea that his picture was in the slide show which had been put together in 1967. We then saw a few of Jay's slides of the Byron Icefield caves and the meeting was adjourned.

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It was good to see Harvey Bowers at the May meeting. He has been Outside much of the winter and will be working in the field all summer so he probably won't be able to go on any trips this year but hopefully will be scouting for caves wherever he goes. At the May meeting we discussed different types of vertical caving gear and agreed that we should get some vertical practice some Saturday.

Glacier Grotto  
The Alaskan Caver  
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