

# **UNDERWATER SPELEOLOGY**

OFFICAL NEWSLETTER OF THE  
CAVE DIVING SECTION OF THE  
NATIONAL SPELEOLOGICAL SOCIETY

Vol. 1, No. 5- Fall 74

# ELECTION TIME!!

IN THE ABSENCE OF A QUORUM AT THE ANNUAL MEETING OF THE CAVE DIVING SECTION OF THE NATIONAL SPELEOLOGICAL SOCIETY IN DECORAH, IOWA, THE EXECUTIVE COMMITTEE OF THE SECTION IS HOLDING AN ELECTION OF THIS YEAR'S OFFICERS BY MAIL. THE EXECUTIVE COMMITTEE HAS NOMINATED FOUR SECTION MEMBERS FOR OFFICE, AND HAS LEFT THE FLOOR OPEN FOR ADDITIONAL NOMINATIONS BY MAIL. TO NOMINATE A CANDIDATE FOR OFFICE, SIMPLY WRITE THE NOMINEE'S NAME AND DESIRED OFFICE ON A POST CARD AND MAIL IT TO SHECK EXLEY, CHAIRMAN NSS CAVE DIVING SECTION, 1591 S. LANE AVE., # 118C, JACKSONVILLE, FLORIDA 32210. ALL NOMINATIONS WILL AUTOMATICALLY BE SECONDED AND MUST BE RECEIVED BY NO LATER THAN DECEMBER 1, 1974.

PLEASE CHECK WITH YOUR CANDIDATE AND MAKE SURE THAT HE IS WILLING AND ABLE TO SERVE IN THE DESIRED OFFICE FOR THE COMING YEAR. AND... DON'T HESITATE TO NOMINATE YOURSELF IF YOU ARE INTERESTED. THE NOMINEES OF THE EXECUTIVE COMMITTEE ARE AS FOLLOWS: CHAIRMAN - JIM STOREY; VICE CHAIRMAN - SHECK EXLEY; SECRETARY-TREASURER - STEVE MAEGERLEIN; UIS CAVE DIVING COMMISSION REPRESENTATIVE - JIM STOREY. BALLOTS WILL BE MAILED OUT ON DECEMBER 2, 1974. ALL OFFICERS MUST BE NSS MEMBERS, AND YOU MUST BE AN NSS MEMBER TO VOTE.

ADDRESS LIST OF NATIONAL REPRESENTATIVES IN THE UIS CAVE DIVING COMMISSION

BELGIUM

Guy de Block  
Avenue des Desirs 25  
B-1140 Bruxelles  
Belgium

CZECHOSLOVAKIA  
Frantisek Piskula  
Nam. SNP 19'  
614 00 Brno  
Czechoslovakia

Tibor Sasvari  
tr. SNP 42  
040 01 Kosice  
Czechoslovakia

FED. REP. GERMANY  
Eberhard Kern  
79 Ulm/Donau  
St. Barbara Str. 20  
BRD

GERMAN DEM. REPUBLIC  
Klaus-Jurgen Fritz  
402 Halle  
Heidehauser 4  
DDR

GREAT BRITAIN  
Collin Priddle  
40 Ralph Road  
Horfield  
Bristol BS7 9QP  
England

ITALY  
Dr. Lamberto Ferriricchi  
via Mecenate 20  
00184 Roma, Italy

Blasco Scammacca  
Piazza Scammacca N. 1  
095134 Catania, Italia

LEBANON  
Alain Jean Maroun  
Rue Rachid Nakhle  
Quartier Zarif  
Imm Mahfoud  
Beyrouth, Liban

MEXICO

Eduardo Castro Ruiz  
Cerro de Tesonco # 117  
Mexico, 21 D.F.  
Mexico

NETHERLANDS  
Henk van Vlimmeren  
Balistraat 96  
Den Haag  
Netherlands

POLAND  
Jerzy Gizejevski  
02.917 Warszawa 34  
Ul. Morszynska 7 m 1  
Poland

PORTUGAL  
Orlando Caetano Cordeiro  
Vivenda Casal dos Netos  
S. Pedro de Trafaria  
Almada/ Portugal

SPAIN  
Esteve Petit  
GRUPO DE ESTUDIOS TECNOLÓGICOS  
AVANZADOS  
c/ Mauricio Serrahima 20  
Barcelona, Spain

SWEDEN  
Anders H. Linden  
Sveriges Speleklub Forbund  
Fack  
S - 10260 Stockholm  
Sweden

SWITZERLAND  
Hermann Oetiker  
Wygarten 4  
5620 Zufikon  
Switzerland

Curille Brandt  
av. Florimont 20  
1006 Lausanne  
Switzerland

UNITED STATES

NSS CAVE DIVING SECTION  
vacant - to be elected  
(filled by appointment -  
Bill Cate - last year)

UNITED STATES

National Ass'n for Cave Diving  
I. Sheck Exley  
1591 S. Lane Avenue # 118C  
Jacksonville, Fla. 32210  
(NOTE: Sheck Exley is ineligible  
for the NSS CDS Rep. because he  
is the elected rep. of NACD)

UNION INTERNATIONALE DE SPELEOLOGIE

REPORT ON COMMISSION FOR CAVE DIVING

by Frantisek Piskula, Chairman

(Note: the following is an abridgement of the original report prepared by Sheck Exley. The full report may be obtained by writing Sheck or Mr. Piskula at the aforementioned address.)

Aims of the Commission are the following: 1. Contribute to development and increase of cave diving safety all over the world. 2. Help to effective international exchange of experiences and to solving of important problems of cave diving. 3. Contribute to effective utilization of cave diving as the means of scientific research in other branches of speleology.

To reach these aims, commission will follow this program: 1. Recommend equipment, methods and techniques of cave diving, training, safety and rescue procedures and draw attention to problems, requiring solutions. 2. Help in organizing of cave diving instructor courses. 3. Organize international camps of cave diving and help in organization of international expeditions for solving of important speleological problems. 4. Help in improvement of equipment by means of exchange of documentation for self-made equipment, exchange of experiences with commercially made equipment and suggestions for improvement of existing equipment. 5. Publish periodical publication Cave Diving Developments, as the main means of international exchange of information, utilize also other possibilities of publication and information exchange. 6. Keep world statistics of cave diving accidents and near-accidents, aimed to prevent repeating of accidents with same causes. 7. Cooperate with other commissions of UIS, with World Underwater Federation (CMAS) and with other organizations having underwater exploration of caves in their program.

Commission is composed of officials, official delegates and their substitutes, and of Working Groups. Officials include Chairman, Frantisek Piskula, Vice Chairman, Secretary, and Treasurer. Official delegates are on preceding page. Working Groups are formed to solve particular problems of cave diving. Following groups are proposed:

- Equipment, techniques and safety of cave diving
- Cave Diving rescue
- Training and education
- Cartography (Chairman - Sheck Exley)
- Photography and filming
- Scientific application of cave diving
- Conservation
- Accident Statistics

Any cave diver or speleologist interested in active work in a Working Group can become its member. If there are more members of one working group from one country, they elect their representative, who keeps contact with the chairman of the working group. Work of a working group is directed by its chairman, who is nominated by the Chairman or Vice-chairman of the commission, or elected by Official Delegates of the Commission.

(PLEASE NOTE: Any American caver or cave diver interested in joining a Working Group please contact the US Representative or Frantisek Piskula.)

ADDRESS LIST OF NATIONAL REPRESENTATIVES IN THE UIS CAVE DIVING COMMISSION

BELGIUM

Guy de Block  
Avenue des Desirs 25  
B-1140 Bruxelles  
Belgium

CZECHOSLOVAKIA  
Frantisek Piskula  
Nam. SNP 19'  
614 00 Brno  
Czechoslovakia

Tibor Sasvari  
tr. SNP 42  
040 01 Kosice  
Czechoslovakia

FED. REP. GERMANY  
Eberhard Kern  
79 Ulm/Donau  
St. Barbara Str. 20  
BRD

GERMAN DEM. REPUBLIC  
Klaus-Jurgen Fritz  
402 Halle  
Heidehauser 4  
DDR

GREAT BRITAIN  
Collin Priddle  
40 Ralph Road  
Horfield  
Bristol BS7 9QP  
England

ITALY  
Dr. Lamberto Ferriricchi  
via Mecenate 20  
00184 Roma, Italy

Blasco Scammacca  
Piazza Scammacca N. 1  
095134 Catania, Italia

LEBANON  
Alain Jean Maroun  
Rue Rachid Nakhle  
Quartier Zarif  
Imm Mahfoud  
Beyrouth, Liban

MEXICO

Eduardo Castro Ruiz  
Cerro de Tesonco # 117  
Mexico, 21 D.F.  
Mexico

NETHERLANDS  
Henk van Vlimmeren  
Balistraat 96  
Den Haag  
Netherlands

POLAND  
Jerzy Gizejevski  
02.917 Warszawa 34  
Ul. Morszynska 7 m 1  
Poland

PORTUGAL  
Orlando Caetano Cordeiro  
Vivenda Casal dos Netos  
S. Pedro de Trafaria  
Almada/ Portugal

SPAIN  
Esteve Petit  
GRUPO DE ESTUDIOS TECNOLOGICOS  
AVANZADOS  
c/ Mauricio Serrahima 20  
Barcelona, Spain

SWEDEN  
Anders H. Linden  
Sveriges Spelecbg Forbund  
Fack  
S - 10260 Stockholm  
Sweden

SWITZERLAND  
Hermann Oetiker  
Wygarten 4  
5620 Zufikon  
Switzerland

Curille Brandt  
av. Florimont 20  
1006 Lausanne  
Switzerland

UNITED STATES

NSS CAVE DIVING SECTION  
vacant - to be elected  
(filled by appointment -  
Bill Cate - last year)

UNITED STATES

National Ass'n for Cave Diving  
I. Sheck Exley  
1591 S. Lane Avenue # 118C  
Jacksonville, Fla. 32210  
(NOTE: Sheck Exley is ineligible  
for the NSS CDS Rep. because he  
is the elected rep. of NACD)

UNION INTERNATIONALE DE SPELEOLOGIE

REPORT ON COMMISSION FOR CAVE DIVING

by Frantisek Piskula, Chairman

(Note: the following is an abridgement of the original report prepared by Sheck Exley. The full report may be obtained by writing Sheck or Mr. Piskula at the aforementioned address.)

Aims of the Commission are the following: 1. Contribute to development and increase of cave diving safety all over the world. 2. Help to effective international exchange of experiences and to solving of important problems of cave diving. 3. Contribute to effective utilization of cave diving as the means of scientific research in other branches of speleology.

To reach these aims, commission will follow this program: 1. Recommend equipment, methods and techniques of cave diving, training, safety and rescue procedures and draw attention to problems, requiring solutions. 2. Help in organizing of cave diving instructor courses. 3. Organize international camps of cave diving and help in organization of international expeditions for solving of important speleological problems. 4. Help in improvement of equipment by means of exchange of documentation for self-made equipment, exchange of experiences with commercially made equipment and suggestions for improvement of existing equipment. 5. Publish periodical publication Cave Diving Developments, as the main means of international exchange of information, utilize also other possibilities of publication and information exchange. 6. Keep world statistics of cave diving accidents and near-accidents, aimed to prevent repeating of accidents with same causes. 7. Cooperate with other commissions of UIS, with World Underwater Federation (CMAS) and with other organizations having underwater exploration of caves in their program.

Commission is composed of officials, official delegates and their substitutes, and of Working Groups. Officials include Chairman, Frantisek Piskula, Vice Chairman, Secretary, and Treasurer. Official delegates are on preceding page. Working Groups are formed to solve particular problems of cave diving. Following groups are proposed:

- Equipment, techniques and safety of cave diving
- Cave Diving rescue
- Training and education
- Cartography (Chairman - Sheck Exley)
- Photography and filming
- Scientific application of cave diving
- Conservation
- Accident Statistics

Any cave diver or speleologist interested in active work in a Working Group can become its member. If there are more members of one working group from one country, they elect their representative, who keeps contact with the chairman of the working group. Work of a working group is directed by its chairman, who is nominated by the Chairman or Vice-chairman of the commission, or elected by Official Delegates of the Commission.

(PLEASE NOTE: Any American caver or cave diver interested in joining a Working Group please contact the US Representative or Frantisek Piskula.)

## NSS MEMBER DIVES IN

### AUSTRALIAN CAVES

A new member of the NSS, Jim Lockwood, recently completed a cave diving trip to Australia accompanied by famous cave diver Tom Mount of the National Association for Cave Diving.

Jim and Tom spent several days diving in and around the well-known Mt. Gambrier region, whose huge sinks and ponds are familiar to readers of Skin Diver Magazine and other periodicals.

Predictably, Piccanniny Ponds and the Shaft turned out to be the favorite of the two Americans. Piccanniny turned out to be 280 feet deep, with the Shaft plunging to similar depths. While both spots were very clear, with impressively large rooms (Lockwood reported the Shaft's back room as being larger than both the Grand Canyon of Wakulla Spring and the Cube Room of Numero Uno), none of the sinks had conduits extending for more than a couple of hundred feet from the entrance. The explorers also failed to find any of the spectacular spring discharges common to Florida, Missouri, and other areas of the US.

### NSS NEWLYWEDS CAVE DIVE FOR

#### HONEYMOON IN TEXAS & NEW MEXICO

Sheck Exley, chairman of the NSS Cave Diving Section, and his new bride Karan spent their honeymoon just as they've spent most of their weekends - cave diving - but this time in the Great Southwest.

First stop was the famous spring, "Jacobs Well" near Austin, which they found to be exceptionally beautiful though not extensive. Another Texas Spring, Aquarena Springs at San Marcos, was examined through a glass bottom boat.

Texas' State Line Cave and New Mexico's Carlsbad Caverns were next. Although neither offered any cave diving, both were interesting.

CDS SECTION NEWSLETTER, Fall 1974

The final stop was perhaps the most interesting. An old NACD friend, Dan Lenihan, provided a guided tour of one of the top cave diving sites of New Mexico's truly exciting Santa Rosa area. Blue Hole was filled with 61 degree F water, visibility 80 feet or better, and a cave which extended perhaps 75 feet from the 74-ft-deep basin to a depth of 135 feet. The dive took place at an altitude of 5500 feet, so involved some complicated decompression conversions to comply with the varied pressures.

### LONGEST CAVE DIVES

1. 3630 feet: Jochen Hasenmayer (Germany) siphon de la Rinquelle, Switzerland, 1973(?)
2. 3300 feet: Spanish divers Cala Luna, Spain, 1973 (7)
3. 3250 feet: Holtzendorff, Smith, Turner, Exley (USA) Devils Eye, Fla., 3-31-74
4. 2970 feet: Jochen Hasenmayer (Germany) Frais-Puits, France, 1973(?)
5. 2904 feet: G.E.P.S. (France) Gouls de Tourne, France (1973 ?)

The above dives are penetrations into a submerged cave and back out without surfacing. Distances given are minimum distance from nearest entrance or natural air space.

The 3630 foot dive of Jochen Hasenmayer was particularly difficult in that the mean depth of the dive was 150 feet deep and the water temperature was 47° F. Open circuit scuba and air were reportedly utilized, and the dry Unisuit was used for exposure protection. Total duration of the dive, including decompression, was 7 hours.

The Cala Luna effort was reportedly made by a team using the Draeger semi-closed mixed gas unit and N<sub>2</sub>O<sub>2</sub>.

### LOST RIVER RISE OF INDIANA

EXPLORED TO 160 FT. DEPTH

