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UIS-BULLETIN

UNION INTERNATIONALE DE SPÉLÉOLOGIE

1997

42

No. 1

EDITED IN FEBRUARY 1997 * EDITE EN FÉVRIER 1996 * AUSGEGEBEN IM FEBRUAR 1997

The International Speleological Union

informs with a great regret

that

Professeur Dr. Bernard Gèze

Honorary UIS President

Professor of Geography

died on December 8, 1996

THE 12th INTERNATIONAL CONGRESS OF SPELEOLOGY 1997
THE UIS GENERAL ASSEMBLY
La Chaux-de-Fonds, Switzerland
August 6 to 17, 1997

The 12th International Congress of Speleology will be held in Switzerland in La-Chaud-de-Fonds. It will be held on August 10 to 17, 1997 and it will include several special events as the multimedia festival SPELEMEDIA on August 6 to 10, 1997. Some special conferences, organized together with other karst research bodies, like as 6th Conference on Limestone Hydrology and Fissured Aquifers, symposia and workshops will be held, as well as the pre- and post-Congress excursions and camps. Just after the post-Congress activities, the 4th International Conference on Geomorphology will start in Postojna, Slovenia by specialised meeting on the Classical Karst.

The Congress will be hosted by very pleasant location, the city of La-Chaud-de-Fonds in Swiss Jura, close to the city of Neuchâtel. La-Chaud-de-Fonds is one of the centres of Swiss watchmaking industry, the city constructed on plans prepared by famous architect Le Corbusier. We suppose this site an ideal for our Congress with nearly equal distances from the whole Europe and close to main European airports. The pleasant atmosphere of the city together with broad scale of entertainment possibilities, partly prepared specially for the Congress participants, will frame the scientific and bureaucratic sessions of our basic event.

The information on the Congress prepared by its organizers you can kindly find inside this volume of the UIS Bulletin. It contains basic data, information on general program and on fees. More than 2 000 participants are pre-registered. Be among them and do not miss this spectacular and highly scientific event!

Two sessions of the Assembly General of the International Union of Speleology will be held at the beginning and the end of the 12th International Congress of Speleology. Inside the Bulletin, the General Secretariat gives important information concerning the preparation of the Assembly General of the UIS. We are expecting to vote for the improved Status (Constitution), for the UIS Code of Ethics, for the system of the UIS Awards, and for the Agreement with the International Union of Geography. We will elect the new UIS President, the new UIS Vice-Presidents, the new UIS Bureau, we will approve the UIS Commissions and Working Groups activities. We will vote for the UIS future. Your participation is a part of the procedure. La Chaux-de-Fonds is waiting for you, in the hearth of French-Swiss Jura mountains.

Preparation
of the General Assembly of the Union
Preparation
de l'Assemblée Générale de l'Union

DELEGUES - DELEGATES - DELEGIERTE

Important note

The national delegate and his substitute representing the member country in the UIS, have to declare his validity by the official letter declaring that he is the representant of all speleologists of the country. When more than two speleological organizations (i.e. federations, unions, societies, associations) are existing, all have to declare that the national delegate was democratically elected.

F Les pays-membres dont les spéléologies ou l'organisation spéléologique sur le plan national autorisée à représenter l'ensemble des spéléologies ont décidé d'exercer leur droit de vote dans l'Assemblée Générale de l'Union Internationale de Spéléologie par un nouveau délégué, sont priés de faire parvenir une information par écrite au Secrétaire Générale jusqu'au 15 Juin 1997 le plus tard.

E If the speleologists or the national representative organisation of speleologists in any member-country have decided to give the authorization for voting in the General Assembly of the International Union of Speleology to a new delegate, it is necessary to inform the Secretary General of the UIS by letter at least before June 15, 1997.

D Jene Mitgliedsländer, in denen die Speläologen oder die zur Vertretung der Gesamtheit der Speläologen berufene nationale Organisation beschlossen haben, die Ausübung des Stimmrechtes bei der Generalversammlung der Internationaler Union für Speläologie durch die neue Delegierte vornehmen zu lassen, werden gebeten, das Generalsekretär der Union bis spätestens 1. Juni 1997 darüber zu informieren.

DROIT DE VOTE - RIGHT OF VOTES - STIMMRECHT

F A l'Assemblée Générale chaque pays-membre dispose d'une voix. Le droit de vote est lié au membre titulaire (délégué) ou au membre suppléant du pays respectif. Selon les décisions des Assemblées Générales, il oblige en cas d'une absence de tous les deux personnes à l'Assemblée aux pays-membres d'autoriser un "délégué votant" avant le commencement de l'Assemblée par lettre. Ces lettres peuvent être adressées au Secrétaire Générale de l'Union avant le 15 juin 1997.

Selon les décisions des Assemblées Générales précédentes (Bowling Green 1981), les pays-membres qui sont en retard avec le paiement des cotisations annuelles à l'UIS plus que trois ans perdent le droit de voter; si le retard atteint plus que cinq ans, le pays respectif ne compte plus comme membre de l'UIS. Le Président de l'UIS prie donc de régler en cas de nécessité la question des cotisations aussi tôt que possible.

Les sommes des cotisations annuelles sont publiées dans chaque des derniers numéros de l'UIS-Bulletin.

E Each member-country has one vote on the General Assembly. The right to vote is given to the official delegate or to his substitute. If the two persons are absent, it is necessary - in accordance with the decision of the General Assembly in the past - for the member-country to nominate a "voting delegate" by the letter before the beginning of the General Assembly. This letter have to be sent to the UIS Secretary General before June 15, 1997.

According to past decision of the General Assembly (Bowling Green 1981), the member-country with a delay of more than 3 years in the payment of the annual contributions do not have the right to vote. If the annual contribution has not been paid more than 5 years, the country will not be included longer in the membership list. All member-countries are invited - if necessary - to contact the President as soon as possible in questions concerning the payment.

In last numbers of the UIS-Bulletin, the amount of annual contributions has been published regularly.

D In der Generalversammlung der UIS verfügt jedes Mitgliedsland über eine Stimme. Das Stimmrecht ist von Delegierten oder seinem Stellvertreter auszuüben. Wenn beide Personen bei der Generalversammlung abwesend sind, kann das Mitgliedsland jemanden anderen zur Stimmabgabe als "stimmberechtigten Delegierten" ermächtigen. Diese Ermächtigung muß aber vor dem Beginn der Generalversammlung schriftlich vorliegen. Im voraus vorgenommene Ermächtigungen müssen beim Generalsekretär der UIS vor dem 15. Juni 1997 eintreffen.

Nach den Beschlüssen früherer Generalversammlungen (Bowling Green 1981) haben Mitgliedländer, die mit ihren jährlichen Mitgliedsbeiträgen an die UIS mehr als drei Jahre im Rückstand sind, kein Stimmrecht mehr. Länder mit einem Zahlungsrückstand von mehr als fünf Jahren werden in der Mitgliederliste nicht mehr geführt. Der Präsident der UIS bittet, falls derartige Rückstände bestehen, zur Regelung der Beitragsfrage mit ihm baldmöglichst Kontakt aufzunehmen.

Die Höhe der jährlichen Beiträge der Mitgliedsländer an die UIS ist in den letzten Nummern des UIS-Bulletin jeweils veröffentlicht worden.

MEMBER-COUNTRIES WITH DELAY IN THE PAYMENT OF ANNUAL CONTRIBUTIONS FOR THREE YEARS AND MORE

in *italics* - countries with debts since accepted as the member-country

Albania 1994-1996

Algeria ?1984-1996

Argentina 1987, 1988, 1994-1996

Bolivia ?1984-1996

Columbia 1986-1996

Costarica 1986-1988, 1990-1996

Croatia 1994-1996

Danemark ?1984-1996

Dominican R. ?1984-1996

Ireland ?1984-1996

Island 1994-1996

Lithuania 1994-1996

Luxembourg 1994-1996

Malaysia 1989-1996

Namibia?1984-1996

Norway 1987-1992

Peru 1986-1996

Portugal 1990-1996

Tunisia ?1984-1996

Uzbekistan 1994-1996

Vietnam 1994-1996

Bolivia and Costarica informed the UIS Bureau that they will cover the debts. Lithuania and Namibia asked for reduction or remission of contributions.

NOUVEAUX MEMBRES - MEMBERSHIP DEMANDS - NEUE MITGLIEDER

F Des demandes de devenir membre de l'UIS doivent être parvenues au Secrétaire Générale de l'UIS avant l'ouverture du prochain Congrès Internationale de Spéléologie, en cas exceptionnel encore pendant le Congrès, mais avant la deuxième partie de l'Assemblée. Des nouveaux membres doivent dénommer immédiatement leur délégué et participent de ce moment aux votes et aux élections.

E Demand for membership are possible before the opening of the International Congress of Speleology by an information to the Secretary General of the UIS, eventually also during the Congress, but before the opening of the second part of the General Assembly. The demands are to be accepted by the voting delegates

of the member-countries during the General Assembly. New members have to nominate immediately the official delegate and participate also on votes and elections.

D Anträge auf Mitgliedschaft bei der Union sind nach Möglichkeit von Beginn des kommenden Internationaler Kongresses für Speläologie dem Generalsekretär der IUS schriftlich zu übermitteln, können aber in Ausnahmefällen auch noch während des Kongresses, jedoch vor Beginn des zweiten Teiles der Generalversammlung eingebracht werden. Über die Aufnahme neuer Mitglieder entscheidet die Generalversammlung. Neue Mitglieder haben unverzüglich ihren Delegierten namhaft zu machen und nehmen sofort nach der Annahme ihres Aufnahmeantrages an allen Abstimmungen und Wahlen teil.

CANDIDATURES POUR LE PROCHAIN CONGRÈS - PROPOSALS FOR THE NEXT CONGRESS - KANDIDATUREN FÜR DEN NÄCHSTEN KONGRESS

F Des candidatures pour le 13^e Congrès International de Spéléologie qui doit être réalisé en 2001, doivent être présentées pendant la première séance de l'Assemblée Générale de l'UIS à La-Chaud-de-Fonds en août 1997. Un représentant de chaque pays qui est candidat aura la chance de donner un résumé concernant le programme prévu et les régions visitées pendant les excursions. Les délégués de pays-membres peuvent, avant de voter à la fin du Congrès, discuter leur choix pendant le Congrès avec les autres participants de leur pays; en cas de nécessité l'utilisation d'une salle de réunion soit assurée par les organisateurs du Congrès. Selon les décisions précédentes en cas que l'Assemblée Générale accepte une invitation d'un pays en dehors de l'Europe, une "Conférence régionale européenne de spéléologie" sera organisée soit en 1999. La prière d'organiser une telle conférence sera présentée par la Fédération Spéléologique de EC.

E Candidatures of member-countries for the 13th International Congress of Speleology to be held in 2001, have to be presented no later than in the opening session of the General Assembly of the UIS in La-Chaud-de-Fonds in August, 1997. In this session, each country will have the possibility to give a short summary concerning the region foreseen for the main events of the Congress and the excursion areas. During the Congress, voting delegates can discuss the proposals with the other participants from their countries. If necessary, a meeting room for this discussion will be reserved by the General Assembly, a decision is made by vote. In the case that the 13th International Congress of Speleology will be held outside of Europe, in accordance with previous decisions an "European Regional Conference of Speleology" has to be organized in 1999. The organiser of such Conference will be the Speleological Federation of the European Union.

D Kandidaturen für den 13. Internationaler Kongress für Speläologie, der im Jahre 2001 durchzuführen ist, sind spätestens in der ersten Session der Generalversammlung der Internationaler Union für Speläologie in La-Chaud-de-Fonds im August 1997 vorzulegen. Ein Vertreter jedes Landes, das sich um die Abhandlung des Kongresses bewirbt, wird Gelegenheit haben, den vorgesehenen Veranstaltungsort und die wichtigsten Exkursionsziele vorzustellen. Die Delegierten jedes Landes haben während des Kongresses Gelegenheit, ihre Entscheidung mit allen Teilnehmern aus ihrem Land zu überlegen; die Veranstalter des Kongresses werden im Bedarfsfall ein Sitzungszimmer für diesen Zweck bereitstellen. Für den Fall, dass die Wahl im zweiten Teil der Generalversammlung der IUS am Schluss des Kongresses auf ein außereuropäisches Land fällt, nach den früheren Beschlüssen hat die Abhandlung einer "Europäischen Regionalkonferenz für Speläologie" entgegen im Jahre 1999 beschlossen. Um die Durchführung dieser Veranstaltung soll durch die Speleologische Federation des EU ersucht werden.

COMMISSIONS, GROUPES DE TRAVAIL ET COMITÉES COMMISSION, WORKING GROUPS AND COMMITTEES - KOMMISSIONEN UND ARBEITSGRUPPEN

F Les Présidents des Commissions, Comités et des Groupes de Travail ont été invités d'envoyer au Secrétaire Générale de l'UIS un rapport concernant l'activité de leur groupement respectif depuis le dernier Congrès Internationale de Spéléologie le 31 janvier 1997 le plus tard. Jusqu'à cette date, on attend aussi des propositions concernant les travaux proposés pour le futur.

Il est prévu de publier l'ensemble de ces rapports dans un numéro spécial de l'UIS Bulletin avant le prochain Congrès et de distribuer ce numéro aux participants de l'Assemblée Générale de l'UIS à La-Chaud-de-Fonds.

Pendant le 12^{ème} Congrès Internationale de Spéléologie, des séances de tous les Commissions de l'UIS sont prévues.

E The Presidents of Commissions, Committees and Working Groups are invited to send the report concerning the activities during the last period of work and the intentions for the forthcoming four-years-period to the Secretary General of the UIS before January 31, 1997.

It is foreseen to publish all reports in a special number of the UIS Bulletin before the 12th International Congress of Speleology and to distribute this number to the participants of the General Assembly of the UIS in La-Chaud-de-Fonds.

Sessions of all Commissions are foreseen during this Congress.

D Die Vorsitzenden der Kommissionen und Arbeitsgruppen der UIS wurden eingeladen, dem Generalsekretär der UIS bis zum 31. Januar 1997 einen Tätigkeitsbericht über die zu Ende gehenden Arbeitperiode zu übermitteln, sowie Vorschläge über die zukünftige Zielsetzung zu erstatten.

Die Berichte sollen vor der Generalversammlung der UIS im August 1997 in einem Heft des UIS Bulletin zusammengefasst und dort vorgelegt werden.

Während des 12. Internationaler Kongresses für Speläologie sind zwar Sitzungen aller Kommissionen vorgesehen.

AGENDA OF THE ASSEMBLY GENERAL

The detailed program of the UIS General Assembly will be printed in the next UIS Bulletin, Vol. 43, No. 2, 1997

The UIS Life

The regular session of the UIS Bureau

The 4th regular session of the Bureau of the International Union of Speleology was held in Salida, Colorado, USA on August 6, 1996 on the occasion of the National Speleological Society Convention 1996. The UIS Bureau members acknowledge the help of the NSS and the National Speleological Foundation.

The session started traditionally by the control of the agenda from Breitenbach 1995. The Agreement with the International Geographical Union was prepared and delivered to the IGU. The detailed information concerning the UIS for the IGU General Assembly 1996 was sent by the Secretary General to prof. Messerli. Prof. Messerli informed us that he will inform the UIS Bureau on the results of the IGU General Assembly. The UIS Statut (Constitution) was changed and improved. All changes agreed by the last UIS Bureau Session were incorporated to the proposal of the improved UIS Statut. All changes were discussed with Dr. Friedrich Oedl, the President of the Advisory Committee, by Pavel Bosák and Urs Widmer on June 1996 in Eisriesenwelt, Austria. Dr. Oedl made some juridical improvements of the Bureau proposals, so the preparation for the General Assembly 1997 was finished. Finally, the Statut will be translated to a majority of UIS official languages before the Congress. Stone Forest (China) for the UNESCO World Heritage List - Dr. J.M. James prepared supporting letter which was sent by the Secretary General to the respective UNESCO Commission. Nevertheless, the proposal of China was rejected by the UNESCO Commission for some procedural problems.

The preparation of the 12th International Congress of Speleology 1997. The Second Congress Circular was distributed by organisers. All information concerning the Congress is available on Internet Web page. Reduced ticket fee for railway to La Chaux-de-Fonds from each entry point to Switzerland will be available for 50 CHF. Low price of the Congress fee valid up to December 31, 1996 (advance payment) will maybe maintained even for late payment during registration for participant from countries in which the problem with advanced sending of money can represent serious problems (e.g. some of post-communistic countries, developing countries, etc.). Information on UIS Inaugural Awards to be published in the 3rd Circular.

The European Regional Conference on Speleology. If the 13th International Congress of Speleology will be held overseas, the 3rd European Regional Conference on Speleology will be organised. The Speleological Federation of European Community will take care on the organisation of this event and it will prepare the proposal of such event. The Conference is proposed to be held inbetween International Congresses of Speleology, most probably in 1999, as for 1998 the Conference on Expedition is scheduled in England.

The Stable address of the UIS. The question to establish the stable address of the UIS is highly actual. The UIS Bureau should obtain information on possibilities in individual countries (i.e. to obtain information on the bureaucratic procedure concerning non-profit organisations, their statutes, payment of taxes, etc.).

The UIS Internal Reglement. The UIS Internal Reglement has been valid since 5th International Congress of Speleology, Stuttgart 1969. Concerning the prepared change of the UIS Statut (Constitution), the actualisation of the Reglement seems to be highly actual. The proposal of changes will be prepared before the 1997 Congress.

The UIS finances. The UIS account in USD: 8 354.20 USD (state on August 1, 1996), which represents increase in 2 651.41 USD since October 3, 1995.

Cash in CZK: 20 411.80 CZK (state on August 1, 1996). Bank book in Vienna: 65 000 ATS. It could be stated that the payment discipline of member countries has improved and low costs of the UIS expenses has been maintained.

The UIS Bulletin. In 1997 the UIS Bulletin will be published in two volumes, i.e. Vol. 42, No. 1, and Vol. 43, No. 2. The No. 1 (Vol. 42) will appear on February 1997 and will contain: general information on the Congress program, general program of the Assemblies General 1997, other available and actual information, list of events. The No. 2 (Vol. 43) will appear before the Congress and will contain: information on the activity of UIS Commissions, Working Groups and Committees for 1993-1997 and detailed version of agenda for the UIS Assembly General 1997.

Departments and Commissions. Cave Rescue Commission. It would be useful to prepare clear

regulations for expeditions to sites without cave or civil rescue organization. The UIS Commission should discuss on eventual establishment of the International Cave Rescue Organization. Problems of insurance. *Commission of World Karst Atlas* will be proposed for the cancelation to the UIS General Assembly 1997 owing to long-lasting inactivity and the lack of the communication with the UIS Bureau. *Departments* - during the Assembly General 1997, departments should be joined together, to have not more than 2-3 departments. The management of departments should be presented by the UIS Secretary Adjoint, if specialist is not available on this position, the manager of the department should be selected from persons with capability and will to do this job.

The information brochure. Dr. Klimchouk prepared the draft of the basic text which was handed to UIS Bureau through Jeanne Gurnee. Presented text will be shortened and information which will change have to be ommited. The brochure (folder) should contain the stable UIS address(?), therefore it was proposed to wait with the print until this problems is not solved. Dr. Bosák prepared review material on the UIS (history, evolutionn of Commissions, Departments, Congresses, etc.), this material was sent to Prof. Trimmel for proofs (and we are waiting Hubert!).

The Code of Ethics. Prof.Forti obtained the "General environmental responsibility for expeditions" from Great Britain. It was decided that this material has to be studied by the UIS Bureau Members in detail. And sections from this material fitting to our own Code of Ethics or to complete our text which will be utilized. (Note: those interested in the whole text, please, contact the Secretary General).

The candidate for the next Congress. The UIS Bureau obtained proposal of Brazil to organise the 13th International Congress of Speleology in 2001 as a joint event with the Brasilian National Congress of Speleology and the 4th Congres of the Speleological Federation of Latinoamerican and Carribean Countries (FEALC).

The retirement of the UIS officials. Present UIS President - Prof. Paolo FORTI, Bologna, Italy - definitely informed that in La Chaux-de-Fonds he will not present his candidature for the next four year Presidential position (1997 to 2001).

Dr. Friedrich OEDL, Salzburg, Austria, who represented the Committee for a very long time informed, that after the 12th International Congress of Spelology he will not be able to serve as the President of the Advisory Committee. Nevertheless, there appeared the problem of the constitution of the new Advisory Committee which represents an important body within the UIS structure. The UIS Bureau welcome all proposals for the new personnel of the Committee as well as the nominations for the Committee President. He should be lawyer preferrably.

Dr. William HALLIDAY, Nashville, TN, U.S.A., the President of the UIS Commission on Vulcanospeleology, announced that owing to his age and health he will retire from the Presidential position at the 12th International Congress of Speleology, but he cannot serve after February 1998. Needs for new President: while academic status is helpful, administrative skills are much more important in this position, and a funding source.

Errata and changes of addresses

The UIS Bureau

Dr. Pavel BOSÁK

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The UIS Commissions and Working Groups

Commission de grottes en glacières et du karst des régions polaires

Group de travail: Experimental catchment areas in karst

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Commissions and Working Groups

Commission on Volcanic Caves

The Commission currently has one member each from 17 nations: Australia, Bulgaria, France, Germany, Iceland, Indonesia, Italy, Japan, Kenya, Korea, Mexico, Netherlands, New Zealand, Portugal, Russia, Spain and the U.S.A.

The Commission collects and disseminates information through its newsletter (two in 1996 to date), through sponsorship of international symposia and conferences, through meetings of its chairman with individual Commission members, and through data compilation on lava tube caves in a NASA-sponsored world data base at Arizona State University (att. Dr. Ron Greeley, Geology Dept., A.S.U., PO Box 87-1404, Tempe, AZ, USA 85287-1404). The newsletter contains reports and abstracts in addition to current information. It is archived in two U.S. Geological Survey libraries and is abstracted in *Volcano Quarterly*. In 1996 Stephan Kempe and I presented papers at the annual meeting of the National Speleological Society and met with the UIS Preseident and Secretary General. Later he and I studied lava tubes and other pseudokarstic and karst caves in Colorado, Utah, Arizona, and New Mexico. In September I spent eight days with Yurii

Slezin in Kamchatka, visiting the Tolbachik cave area and speaking at the Institute on Volcanic Geology and Geochemistry. In late 1995 and 1996 the Commission joined with the Hawaii Speleological Survey of the National Speleological Society in opposing plans for segmental collapse of Kazumura and other important caves by a road project. Although still being monitored, this effort apparently was very successful. The Commission also provided recommendations to the American Geological Institute for the forthcoming 4th edition of *Glossary of Geology and Related Sciences*, which may appear later this year. More than 2 000 lava tube caves in 40 nations now are included in the world data base.

The Commission meets during international congresses of speleology and during international vulcanospeleological symposia. The Commission solicits and approves sites for these symposia. The next meeting will be in Switzerland in 1997 during the 12th International Congress of Speleology. Also it will meet in Nairobi in February 1998 during the 8th International Symposium on Vulcanospeleology and in Catania, Italy in September 1999 during the 9th such symposium. The Commission solicits and approves sites for these symposia.

Future activities will include expansion of all current projects, determination of when pit craters should be considered speleological phenomena, and increased liaison with the UIS Commission on Glacier Caves and proposed Working Group on Pseudokarst.

William Halliday
President

Commission on Bibliography

Editing activity: in September 1996 we published the annual issue of the Speleological Abstracts SA/BBS/CTS no. 34 for 1995. It contains 331 pages and 5 452 titles and abstracts. In the long history of editing Speleological Abstracts since 1970 the no. 34 is the biggest.

Furthermore, this issue includes the first CD ROM containing the data base of the last seven SA/BBS/CTS issues from no. 28 (1989) to no. 34 (1995). The CD ROM is readable on computers with Mac-OS 7.0 (or higher) or PC-Windows 95 or PC-Windows 3.1. The CD ROM represents an enormous tool facilitating bibliographic researches by author's name, geographical names, or key words in a total of 31 826 records.

Many thanks to all correspondents and contributors, especially to Ray Mansfield, for their support and help, and to Patric Dériaz for achieving the CD ROM.

This issue was printed in Italy, the lower printing costs allowed us to perform the CD ROM and to offer the issue no. 34+CD ROM at an unchanged price.

Other activities: no international working session, but a lot of correspondence, and some internal meetings. The access to SA/BBS/CTS data through Internet is now possible through the Geological Institute of the Zürich University, Martin Heller is devoted to this trial.

Taking into consideration the wants of the UIS Working Group "Karst Hydrogeology and Speleogenesis" (coordinator A. Klimchouk) a completely reworked classification of the matter reviewed in the SA/BBS/CTS has been prepared with the assistance of P.Y. Jeannin and J.P. Tripet. This material will be discussed at the session in August 1997.

Last but not least, the care for finance in order to ensure, in the future, printed annual issues of the SA/BBS/CTS and updated editions of the CD ROM. Particularly we are grateful for the grant awarded by the Siss Academy of Natural Sciences for its Speleological Commission.

Plans for 1996-1997: We work now on the next issue no. 35 for 1996. It will be published in summer of 1997 before the 12th International Congress of Speleology at La Chaux-de-Fonds, Switzerland, August 1997. We plan a working session of the Commission on Bibliography at that time.

Reno Bernasconi
President

Commission on Speleotherapy

(1) *Working Group Sečana - Slovenia.* A study following the aptitude of caves for speleotherapy was undertaken in Slovenian Karst in 1991-1995. A precise survey of microclimatic factors was presented that

proved the aptitude of 3 speleotherapeutic sites there. A speleotherapeutic locality (in a tunnel) was opened not far from the hospital in Se_ana in 1994/1995. A EU-PHARE clinical project was carried out in the ward for pulmology and rehabilitation in the hospital in Se_ana proving special therapeutic effects in bronchial asthma and chronic bronchitis. A working group for physics and microbiology carried out studies of size and deposition of aerosols in the upper and lower respiratory ways.

(2) *Slovakia*. Well-founded measurements of climatic factors and the radioactivity in 7 caves were done by the Institute of Geotechnics and the Management of the Slovak Caves. Their aim being to prove their aptitude for speleotherapy. The pediatric department of the Banská Bystrica Faculty runs the EU-PHARE project studying allergic and infectious respiratory diseases of children.

(3) *Czech Republic*. In 1995, the EU-PHARE project EC/HEA/10 (Natural scientific aspects of the speleotherapeutic effects of caves) was focused on measurements in speleotherapeutic centres in Javo_í ko Caves, Zlaté hory, Ostrov u Macochy and Mlade_. The measurements performed by the Department of Chemistry of the Military Academy followed correlations between radon and its daughters, air temperature in caves and outside, and correlations between air pressure, humidity, air currents, gase concentrations (SO₂, NO₂, CO₂, O₂) and concentrations of positive and negative ions and gamma dosis. A correlation between the radioactivity and the concentration of ions was found. Workers of the Faculty of Electronics of the Technical University, Brno, studied various parametres of cave air in correlation to the number of visitors. By means of an aspiration condenser it was stated, that various changes of studied parametres appear in the dependance to air currents, but concentrations of light ions (positive or negative) remain unchanged. This is caused by permanent air ionisation due to alpha radon radiation and the negative load of cave walls.

(4) *Ukraine*. High concentrations of natrium chloride on salt mines of Solotvino is the specific and most effective microclimatic factor. It is just the factor responsible for good therapeutic effects in treated diseases of various etiology and various organs. The high antibacterial activity of natrium chloride causes the extraordinary good aseptic conditions in the speleotherapeutic rooms. Studies proved the immunomodulatory and immunostimulating effects of speleotherapy, but further extended studies have to be performed.

(5) *Hungary*. The Szemlő-hegyi Cave is a very special model of a speleotherapeutic site. It proves that it is possible to set up required microclimatic conditions for speleotherapy under so big city like Budapest.

(6) *Italy*. The Castelcivita Cave (near Naples) has two speleotherapeutic stations. Their effects are extraordinarily good. But the authorities have not yet delivered an official permission to open them, which caused to the responsible medical manager a lot of problems in further running this scientific institute.

(7) *Slovenia*. The first and important working meeting of the working groups from countries situated in the central Europe took place in Se_ana on October 25-29, 1995. The organization of cooperation among numerous speleotherapeutic centres was the main topic. The meeting helped to intensify the speleological and speleotherapeutical scientific cooperation. Following countries were invited, due to their similar endoclimatic conditions of speleotherapeutical sites: Austria, Czech Republic, Hungary, Italy, Slovenia and Slovakia. Cold caves with temperatures between 6 and 10°C, relative humidity of 80 to 100% and some special microclimatic parametres prevail in most of these countries. The presently gained practical therapeutical results represent an extensive medical experience and it is necessary to perform scientific studies following speleotherapy as a curative method with the respect to multifactore physical conditions guaranteeing the speleotherapeutical effect. The program of the working meeting in Se_ana was as follows: the standartisation of speleological and speleotherapeutical methodologies, the foundation of speleotherapeutical societies (clubs) supporting the cooperation in speleotherapy in each country, the foundation of the information system enabling the coordination and stimulation of various speleotherapeutical centres in the country, the intensification of speleological and speleotherapeutical presentations and publications.

(8) *The plan* suppose to build up the structure of the "Central European Group" within the Commission in accordance to results of meeting in Se_ana. Repeated "Round Tables" of the Central European Group will be arranged. The participation of speleotherapeutical centres with other forms of the speleotherapy (e.g. salt mines and kalium salt mines, Solotvino, Berezniki) is desirable. Studies and projects running throughout 1995 will go on. In all projects and intensive interdisciplinary cooperation between the human medicine and natural sciences is quite necessary.

Beate Sandri and Drahoslav Řičný
President Secretary

Reports from symposia and conferences

Report on 6th International Symposium on Pseudokarst

by Jan Paul van der Pas

This symposium, held in Galyatető, Hungary, in September 1996 was organized by the Vulkanszpeleológiai Kollektiva led by Istvan Eszterhasz. At least 8 nationalities participated although it still was largely a mid/eastern European affair. Contrary to some previous ones, it was completely in the English language, at times with the help of international speleologist George Szentes. A wide range of papers was presented: sandstone caves in Nigeria, consequent caves in the Netherlands, historical research leading to the rediscovery of Arany Cave in Hungary, horizontal cavities in lava in Hungary formed as tree casts, brine-fonts (in a leaflet printed as bird-fonts!), a wall poster on eolian karstforms in Bolivia, to name just a few. Some of their investigations in volcanic rocks would fit within the Commission on Volcanic Caves.

Next year at the UIS Congress this group will ask for the status of an IUS working group. In my opinion, however, the work is so well done that even full commission status would be applicable.

During the final summation it was realized that the work of this study group is broader than the term "pseudokarst". This was the only remaining problem. The next symposium may be in Romania. The group was founded by people in what we called "Eastern Europe". They would love to hold one of their symposia outside this area, but because of the very bad financial situation in their countries, they are unable to do this. Their plan is for 3-day weekend symposia, which raises difficulties for participants from distant countries.

Of the excursions the most impressive was the visit to Csörge-Lyuk which the organizers called "a tectonic cave in rhyodacite". I saw it as just a tortuous maze between blocks and rocks.

Followup comment by W.R.H.: with the development of this new UIS pseudokarst group, the UIS will have three groups working in pseudokarst (the third being the Commission on Glacier Caves). Discussion of cooperation, of liaison, and of boundaries is needed.

Jean Paul also attended the 4th International Symposium on Glacier Caves and related topics, high in the Austrian Alps earlier in September. He commented that it was very highly professional. Some participants evidently had never been in caves and had no idea what the UIS is. He noted comments that there should be only very scientific lectures in the future and that, due to declining participation, the next one should be part of a larger glaciological meeting. There seemed to be uncertainty about continuing in a speleological direction rather than a glaciological direction. He thought the location was 'really splendid' despite weather so bad that several field trips had to be cancelled. My own impression was that the location made it almost impossible for 'auslanders' to attend, due to travel complexities. Despite expensive research in this field by North Americans in the last 30 years, this Commission is almost exclusively European. On the other hand, its Chairman evidently is looking toward a 5th Symposium in Iceland in 2000. A meeting of the leadership of these three groups certainly should be held in Switzerland this year. At present, the main overlap between our Commission and the Commission on Glacier Caves consists of geothermal firm or ice caves in or on volcanic craters.

Lava tube caves over 5 km (3 miles) currently in UIS files

1. Kazumura Cave, Hawaii	59.33 km
2. Cueva del Viento, Tenerife	17.18 km
3. Manjang Cave, Chejudo	13.4 km
4. Bilemot Cave, Chejudo	11.7 km
5. Leviathan Cave, Kenya	10.5 km
6. Keala Cave, Hawaii	8.6 km
7. & 8. Pahoia Caves, Hawaii. Total 16 km by pace-and-compass.	More exact data not released.
9. Cueva de Don Justo, Hierro	6.31 km

The following have been reported to be more than 5 km long but now are known or believed to be groups of caves with no individual cave of that length. Further information would be welcome.

Umii Manu System, Hawaii (unmapped)
Ainahou Ranch System, Hawaii ("7.11 km")
Labyrinth System, California ("6.66 km")
John Martin-Pukalani System, Hawaii ("6.25 km")
Cueva de Los Verder System, Lanzarote ("5.66 km")

The length of "Offal Cave", Hawaii (possibly the same as Field 38 Cave) at "3.4 km" also appears to have been overestimated.

Dr. William Halliday

News from Member Countries

PUERTO RICO

The new Federación Espeleológica Puertorriqueña (FEPUR) is an organisation composed so far, of 3 of the 5 speleological clubs in Puerto Rico. The main goal is to provide better communication within all caving clubs, to increase the protection of the caves and karst. Contact: Abel Vale, FEPUR, 497 Ave. E. Pol, Box 230, San Juan, Puerto Rico 00926-5636

BOLIVIA

Tenemos el agrado e informarle que bajo los auspicios de la Facultad de Ciencias Geológicas de la UMSA, la Asociación Conservacionista de Torotoro y el Club Andino Boliviano, en un acto especial realizado en el Salón de Actos de dicha facultad, el 31 de octubre de 1995, a horas 18, se ha fundado la SOCIEDAD BOLIVIANA DE ESPELEOLOGIA, aprobándose sus estatutos y designándose el primer Directorio en la siguiente forma:

Presidente: Dr. Rodolfo Becerra de la Roca
1er. Vicepresidente: Ing. Ramiro Arispe Camacho
2do. Vicepresidente: Ing. Walter Laguna Quiróz
Secretario General: Dr. Juan Pablo Ando
Tesorera: Sra. Toya Rodríguez

La flamante sociedad a partir del presente año cumplirá importantes actividades promoviendo la investigación, estudio, exploración, catastro y conservación de las cavidades naturales de Bolivia, en sus aspectos científico y deportivo, para alcanzar de ésta forma los niveles de desarrollo que han logrado otros países en el campo de la espeleología que es casi desconocido en nuestro medio.

REPUBLIC OF SOUTH AFRICA

South African Speleological Association owed its Central Committee to the Transvaal. Prof. Peter E. Spargo, Department of Science Education, University of Cape Town, Rondebosch 7700 was unanimously elected National President. The Association Library remains in Cape Town, therefore all exchange publications should continue to be sent to the Periodicals Department, J.W. Jagger Library, University of Cape Town, Rondebosch 7700.

LIBAN

Speleo-Club du Liban had the First National Speleological Meeting on January 10 to 12, 1997. The new Committee was elected on January 10: Hughes Badaoui (President), Antonio Comaty (Vice-President), Nour Farra (Secretary), Joseph Zeidan (Treasurer), André Bechara, Dany Maalouf, Marwan Sawan and Marwan Zgheib (Members). Four speleological clubs and associations took part in the event as well as hydrogeologists, archaeologists and environmentalists. During the first day (January 11), Llonel Ghorra and Louis Eid made presentation on the first Lebanese expedition to the Jiita Grotto, in which they took part 50 years ago. Dr. Hany Abdel Nour presented the history of speleology. Sami Karkabi exposed the history of

Lebanese speleology and Lebanese contribution to international activities. The second day (January 12) was divided into two sessions. In the morning, hydrogeological, archaeological and speleological presentations were held. In the afternoon, each of clubs or associations informed the assembly about their annual activities.
from the fax of Mr. Hughes Badaoui (January 17, 1997)

SLOVENIA

Sloweniens Höhlen im Lichte der Längsten und der Tiefsten Höhlen der Welt

Am 24. Juni 1996 fand das 16. freundschaftliche Treffen der Höhlenforscher der drei Länder (Slowenien, Kärnten, Norditalien) im Nanosgebiet, organisiert vom 45. Höhlenforscherverein in Ajdovscina statt. Im Mittelpunkt des Runden Tisches stand das Gespräch über die größten und die tiefsten Höhlen der Welt im Lichte der slowenischen Höhlen. Eine Woche vor dem Treffen organisierte der Verband der slowenischen Höhlenforscher die feierliche Übergabe besonderer Diplome an die 5 Teilnehmer der Transversale slowenischer Schauhöhlen. In Verbindung mit dieser Feier entwickelte sich eine rege Diskussion über die Rekorde in den Höhlen.

Zu Beginn des 19. Jahrhunderts waren drei Welthöhlen berühmt:

Mammoth Cave in Amerika, Aggtelek in Ungarn und Postojnska jama (Adelsbergergrotte) in Österreich. Mit der Gründung der ersten Höhlenforschervereine (1879 in Wien, 1883 in Triest und 1889 in Postojna /Adelsberg/) begann die Höhlenforschung ihren Aufschwung. Im berühmten Werk "Les Abimes" des Speläologen Martel proklamierte dieser die Höhle von Postojna mit der Länge von 10 km als längste Höhle der Welt. Die Triester Speläologen veröffentlichten den Habeschacht (Habeckov brezen) als Abisso die Montenero mit 480 m als tiefste Höhle der Welt. Nach dem zweiten Weltkrieg stellten slowenische Höhlenforscher eine Tiefe von 336 m fest. Mitte des 20. Jahrhunderts folgten zahlreiche Höhlenforschungen in Frankreich, Österreich, Deutschland, Rußland, Italien, die erforschten Höhlen als Rekorde proklamierten. Anlässlich des 4. internationalen speläologischen Kongresses 1965 in Ljubljana und Postojna wurde die Höhle von Postojna mit 16.424 m als die längste und jene von Jazben in Trnovski gozd mit 265 m als die tiefste Höhle in damaligen Slowenien beschrieben. In Jugoslawien waren damals 35 Höhlen mit mehr als 200 m Tiefe bekannt, davon 15 in Slowenien.

Unter den Welthöhlen bis 16.000 m Länge war die längste Höhle im Muotatal in der Schweiz mit 65 km bekannt.

Schon im Jahr 1968 berichtete Rado Gospodaric über die neuen längsten und tiefsten Höhlen in den Alpen, im Hochkarst in Hrusica (Birnbaumer Wald), Trnovski gozd (Ternowaner Wald) und Nanos. Im Verzeichnis der internationalen Union waren damals nur noch 10 Höhlen und 17 Schächte aus Slowenien, denn viele Entdeckungen von neuen Höhlen mit großer Länge und Tiefe stellten die Höhlenobjekte in Slowenien weit zurück. So waren im Jahre 1970 in Slowenien 68 Höhlen mit einer Tiefe von 100 m und mit der größten Tiefe 365 m in Banjska planota bekannt. Jetzt erscheinen fast jedes Jahr - gelegentlich auf den nationalen und auch internationalen Kongressen - Verzeichnisse über die längsten und tiefsten Höhlenobjekte. Auch das Büro des Sekretariats der UIS erkannte die Bedeutung des Wettkampfes und gründete die Kommission für die tiefsten und längsten Höhlen der Welt unter der Führung von Dr. Trimmel.

Heuer kam das neueste Verzeichnis der tiefsten und längsten Höhlen aus der periodischen Höhlenrevue "Gut Schluf" (Mitteilungen des DAV Bamberg, Heft 37, Mai 1996) in meine Hände. Nach diesen Mitteilungen ist das längste Höhlensystem Flint Ridge Cave - Mammoth Cave in Kentucky, USA mit 563.270 m, an zweiter Stelle liegt die Höhle Optimistskaja in Podolien in Ukraina mit 183.000 m, an der dritten das Hölloch in Muotatal in der Schweiz mit einer Länge von 171.438 m und einer Tiefe von 941 m (Nachricht AGH Hölloch per 1. Mai 1996). An der 45. Stelle der längsten Höhlen bis 40 km liegen Sima dei Hayai de Ponate in Sierra Salvada in Spanien und Teng Long Dong in China. Wegen der erwarteten neuen Entdeckungen in China und im Himalaja wird sich das Verzeichnis bald verändern. Die Schächte bis 1.000 m Tiefe weisen 57 Höhlenobjekte auf. Der tiefste Schacht ist Réseau Jean Bernard in Haute Savoie in Frankreich mit 1.602 m, an der zweiten Stelle Lampreshtsofen im Land Salzburg in Österreich mit 1.552 m, an der dritten Stelle Gouffre Mirola in den Savoier Alpen in Frankreich mit 1.520 m. Auch in Slowenien gibt es in den Julischen Alpen und Kamnische planine Schächte mit mehr als tausend Meter Tiefe. So steht an

der 12. Stelle der Schacht Cehi II mit einer Tiefe von 1.370 m, an der 26. Stelle liegt im Kamengebirge in den Julischen Alpen Crnlesko brezno mit 1.198 m und an der 29. Stelle die Höhle Vandima mit 1.182 m Tiefe. Der vierte slowenische Schacht mit 1.130 m Tiefe - an der 40. Stelle im Verzeichnis - ist Molička pec in den Kamnisko - Savinjske Alpe (Sanntaler Alpen).

Aus dem Kataster des Jamarska zveza Slovenije (Höhlenforscherverband Sloweniens), der heute ca. 7.000 Höhlenobjekte aufweist, stellen wir hier zehn der längsten Höhlen und tiefsten Schächte vor. Trotzdem der Karst Sloweniens im Vergleich mit den Karsterscheinungen eine kleine Fläche vorstellt, bedeutet er noch immer das Mekka für Speläologen und Höhlenforscher. Die Landschaft im Hinterland von Triest, KRAS genannt, ist reich an verschiedenen oberflächlichen und unterirdischen Erscheinungen, ein Land, in dem diese "Karstphänomene" zuerst bekannt geworden sind, wo das unterirdische Tierleben als Wiege Biospeläologie betrachtet wurde, und wo die Höhle von Postojna als Muster einer Schauhöhle durch die erste Grottenbahn bekannt wurde. Der Höhlenkataster mit 7.000 Höhlenobjekten war eine unermeßliche Arbeit der österreichischen, italienischen und slowenischen Höhlenforscher seit Ende des 19. Jahrhunderts. 45 Höhlenforschorganisationen finden sich in der Welt des slowenischen Karstes, wo heute 24 Schauhöhlen, darunter die Höhle von Postojna und die Skocjanske jame als einzige europäische Höhle unter dem Schutz der UNESCO, vorkommen. Nach dem Muster der Schauhöhlenorganisation A.N-C-A-T. in Frankreich gründete der Verband "Wirtschaftliche Organisation der Schauhöhlen Sloweniens" mit der Einführung der touristischen Transverale 21 Schauhöhlen.

Im Juni dieses Jahres fand die Verleihung origineller Diplome an die ersten Teilnehmer der Transversale statt. Bei dieser Gelegenheit tauchte der Gedanke auf, hundert touristisch und speläologisch interessante Höhlen für den Besuch unter der Führung von heimischen Höhlenforschern zu organisieren sowie Höhlentrekking einzuführen.

Die längsten Höhlen Sloweniens

1. Jamski sistem Postojnske jame	Postojna	19 555 m
2. Pološka jama	dolina Tolminke	10 800 m
3. Sistem Male in Velike Karlovice	Cerkniško polje	8 855 m
4. Kačna jama	Divače Umgebung	8 612 m
5. Križna jama	Cerkniško polje	8 163 m
6. Crnlesko brezno	Rombonski Podi	7 580 m
7. Predjamski sistem	okolica Postojne	7 571 m
8. Planinska jama	Planinsko polje	6 156 m
9. Dimnice jama	okolica Divače	6 020 m
10. Brezno pri Gamsovi Glavici	Pršivec	6 000 m

Die tiefsten Höhlen Sloweniens

1. Cehi II (Julijske Alpe)	Rombonski Podi	-1 370 m
2. Crnlesko brezno	Rombonski Podi	-1 198 m
3. Vandima	Rombonski Podi	-1 182 m
4. Sistem Molička Peč	Dleskovska Planota	-1 130 m
5. Skalarjevo brezno	Kaninski Podi	-911 m
6. Brezno pri Gamsovi Glavici	Pršivec	-817 m
7. Pološka jama	dolina Tolminke	-704 m
8. Brezno Hudi Vršič	Rombonski Podi	-620 m
9. Majjska jama	Pršivec	-592 m
10. M - 16	Tolminski Migovec	-547 m

Call for Cooperation

Western Australian Museum is asking ..

The Exhibition Department of the W.A. Museum is currently working on the design for a visitor centre at Lake Cave near Margaret River in the south-west of the State. The region contains a Pleistocene karst area which is rich in caves, four of which are open to tourists. As part of the exhibit I would like to include some

details and pictures of other caves around the world.

To demonstrate the beauty and uniqueness of your country's caves I am looking for photographs, preferably slides or transparencies, of cave interiors and examples of typical landforms. I would be grateful if you can help me locate suitable material.

Mrs. Jennifer Moroney
Exhibit Planner
Francis Street, Perth
Westren Australia 6000
tel.: (09) 328 4411, fax: (09) 328 8686

Books Available

PROCEEDINGS OF THE 7th INTERNATIONAL SYMPOSIUM ON VULCANOSPELEOLOGY

The Proceedings are available at the price of 2 750 PTS (Spanish). Orders are invited at: Dr. Pedro Oromí, Depto. Biología Animal, Universidad de La Laguna, Canary Islands, Spain, e-mail: poromi@ull.es, fax: ++34-22-253344, phone: ++34-22-603748. Order has to be completed in a copy of Post giro voucher (or a cheque). Payment is preferred in Spanish Pesetas using Post giro. If an international cheque is used in pesetas, please add 1 000 PTAS to the final price for bank expenses. Price of mail and packing in PTAS:

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Surface	300	300	300	300	300
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KARREN LANDFORMS

Editors: Joan-J. Fornós and A. Ginés.

This volume had its origin in the symposium entitled Karren Landforms. It brings the all symposium reports, and full papers or abstracts. Price: 3 200 PTAS (Spanish), 450 pp., 24 cm, ISBN: 84-7632-297-8. Orders are invited at: Servei de Publicacions, Campus universitari, Cra. de Valldemossa, km 7.5, 07071 Palma de Mallorca, Spain (phone (71) 17 34 64, fax (71) 17 27 28) and add bank cheque.

SOUTERRAINS ET CARRIÈRES d'Annet-sur-Marne

par Joëlle et Patrick Pallu

L'ouvrage couvre la région délimitée par Claye-Souilly, Chelles, Thorigny, Jablines. Il répertorie toutes les anciennes carrières souterraines connues, et les situe le mieux possible. 160 pp, 100 photo, format 16x24, couverture couleur pelliculée, 130 FF. Souscription: Éditions DMI, 8 allée du Commandant Charcot, Marne-la-Vallée, 77200 Torcy, France, tél.: 60 17 77 33

ANNUAL CONTRIBUTIONS CHANGED

The UIS General Assembly decided to rise annual contributions of the UIS member countries. Beginning with 1994, the annual contributions will be as follows:

Category A	300 USD
Category B	200 USD
Category C	50 USD

Each UIS member country has the free choice of the category in accordance with its own financial possibilities and with the number of speleologists or speleological societies/ associations/ federations/ clubs/ institutions

The UIS Bureau is authorized to reduce or to remit the contributions, if the UIS member country makes a respectively written demand. If the UIS Bureau requires, the UIS member country has to give reasons for the difficulties of a payment.

The authorization of the UIS Bureau to reduce or remit the contributions confirms that the impossibility of a payment by actual political problems of difficulties will not be an argument to exclude any member country from the international collaboration within the structure of the UIS.

Older numbers of the UIS-Bulletin

The volume 38 of the UIS-Bulletin as well as the most earlier volumes of the UIS-Bulletin are available on request by the UIS Past-President Prof. Dr. Mag Hubert Trimmel (Draschestrass 77, A-1230

Wien, Austria). The volumes 39 to 42 are available on request by the UIS Secretary General Dr. Pavel Bosák.

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SPELEOLOGICAL EVENTS IN 1996-1998 (For events in the U.S.A. see the Calendar in each number of the NSS News)

N	Rencontre Nationale de Spéléologie	1997 01-11 - 01-12	Lebanon	Speleo Club du Liban	Speleo Club du Liban, Beirut, Lebanon
I	III Congreso espeleologico de America Latina y el Caribe (FEALC)	1997 02-02 - 02-08	Malargüe, Mendoza, Argentina	FEALC	Carlos Benedetto Rufino Ortega 500, (5613) Malargüe, Mendoza, Argentina fax: (0627)70689 fee 70 USD
I	Deutsch-österreichische-schweizerische Fachtagung - Höhlentrekking	1997 02-15 - 02-16	München, FRG		
I	Conservation and Protection of the Biota of Karst	1997 02-13 - 02-16	Nashville, Tennessee, USA	KWI	Dr. David Culver Dept. of Biology, American Univ., 4400 Massachusetts Ave., NW Washington D.C. 20016 fax: ++1-202-8852182, e-mail: dculver@american.edu
I	Milieux Carbonatés Continentaux (Symposium)	1997 03-20 - 03-22	Sevilla, Spain		
N	21th Meeting of Australian Speleological Federation	1997 03-29 - 04-03	Quorn, Flinders Range, Australia		
N	39. Jahrestagung der Hugo Obermaier-Gesellschaft	1997 04-01 - 04-05	Potsdam, FRG	Hugo Obermaier-Gesellschaft, Erlangen, Germany	Hugo Obermaier-Gesellschaft, Kochstrasse 4, D-91054 Erlangen, Germany
I	6th Conference Sinkholes, Eng. and Env. Impact Karst	1997 04-06 - 04-09	Springfield, Missouri, USA		B.F.Beck, P.E.LaMoreaux&Assoc., Inc., P.O.Box 4578, Oak Ridge, TN 37831-4578, USA tel.: ++1-423-4837483, e-mail: pelaor@use.usit.net
I	8th International Congress for Study of Bauxites, Alumina and Aluminium ICSOBA	1997 04-16 - 04-19	Milan, Italy	Associazione Italiana di Metalurgia	AIM, Piazzale R. Morandi 2, 20121 Milano, Italy t.:(02) 76021132, fax: (02) 76020551
I	XIIIe Symposium Internationale de Biospéléologie	1997 04-20 - 04-27	Marrakech, Morocco		M. Messouli, XIIIe Symp. Int. Biospeleol., Dépt. de biologie, Faculté des Sciences, Semlalia, BP S15, Marrakech, Maroc

N	Congrès spéléologique régional Rhône-Alpes	1997 04-26 - 04-27	Pélussin, Loire, France	FFS	Daniel Krupa, 22 rue Eugène Joly, 42100 Saint-Etienne t.: 77-210449
N	3. Deutscher Speläotherapie-Tag	1997 05-09 - 05-10	Bodenmais, Bayerischer Wald, FRG		
I	11. International Symposium on Speleotherapy	1997 05-20 - 05-27	Berezniki, Perm, Russia	UIS Commission	Dr.med. Beate Sandri, Bergmannstrasse 18, 8010 Graz, Austria
I	The XVth International Symposium: Theoretical and Applied Karstology	1997 05-23 - 05-27	Bîile Herculane, Romania	Emil Racovi_ă Speleological Institute and Prospectiuni S.A.	Ioan Povara, Institutul de Spelologie Emil Rakovi_ă, str. Frumoasa 11, 78114 Bucuresti 12, Romania t.:++40-1-6503465, fax:++40-1-2113874 e-mail:sconstantin@pcnet.pcnet.ro Fee: 60,40,30 USD
I	7th International Symposium on Water Tracing	1997 05-26 - 05-31	Portoro_ă, Slovenia	ATH, Karst Res. Inst. SAZU	Karst Research Institute ZRC SAZU, Titov trg 2, 66230 Postojna, Slovenia tel.: 00386-67-24781 fax: 00386-67-23965 e-mail: IZRK@ZRC-SAZU.SI Fee: 80-400 USD Exc.: 90 USD
N	Jahrestagung des Verbandes der Deutscher Höhlen- und Karstforscher	1997 05-27 - 06-01	Garmisch, FRG	Verb. Dtsch. Höhlen- und Karstforsch.	
I	International Symposium on Engineering and Environmental Geology	1997 06-23 - 06-27	Athens, Greece		
N	Jahrestagung des Verbandes der dtsch. Höhlen- und Karstforscher	1997 05-27 - 06-01	Garmisch-Partenkirchen, FRG	Verbandes der dtsch. Höhlen- und Karstforscher	Franz Lindenmayr, Ammerseeestr. 43, 82194 Gröbenzell t.: ++49-8142-7286
I	Simposio Internacional de Buceao SIMPOSUB 97	1997 07-01 - 07-04	La Habana, Cuba	C.N.A.S. Barracuda	Manuel Domínguez Portillo, C.N.A.S. Barracuda, Apartado Postal 4229, Habana 4, CP 10400, Ciudad de La Habana, Cuba t.: (537)309883, fax: (573)333111 or 301308
I	Expédition Internationale de Spéléologie Win Timdoune	1997 07-19 - 07-27	Agadir, Marrakech, Morocco	A.S.A. Morocco	A.S.A. BP 3027, Agadir, Morocco, t.: 84 12 54, fax: 82 17 06
N	NSS Convention	1997	Sullivan,	NSS	Pam Saberton, 3820 Juniata St., St. Louis, MO

		07-23 - 07-27	Missouri, USA		63116, t.: ++1-314-772-6956, e-mail: PamS107326@aol.com Internet: http://www.umsl.edu/~joellaws/nss
I	2čme Congress International de Subterranelogie. Archéologie et Hostoire en milieu souterrain	1997 08-02 - 08-04	Mons, Belgium	SO.BE.R.E.S.	2čme Congrčs International de Subterranelogie, Maison des Arts, Chaussée de Haecht 147, B-1030 Bruxelles, Belge fax: ++32-2-6406589
I	Pre-Congres camps and scientific excursions	1997 07-27 - 08-09	La Chaux- de-Fonds Switzerland	Schweizerische Gesellschaft für Höhlenforschung	12e Congrčs Internationale Case postal 4093 CH-2304 La Chaux-de-Fonds 4, Switzerland Internet: http://www.unine.ch/UIS97/ e-mail: congress.uis97@chyn.unine.ch
	Multimedia festival	1997 08-07 - 08-09			
	12e Congrčs International de Spéléologie	1997 08-10 - 08-16			
	UIS Commisson activities and specialized colloquia	1997 08-17 - 08-27			
	Post-Congres camps and scientific excursions	1997 08-17 - 08-27			
I	Stage internationale d'équipier-chef d'équipe spéléo- secours	1997 08-19 - 08-29	Savoie, France	FFS, UIS	Christian Dodelin, 14 rue J.J. Rousseau, 731100 Aix-les-Bains
I	International Workshop on tyrolean traverses	1997 08-21 - 08-29	Košice, Slovakia	Slovak Speleological Society, UIS	Gustáv Stibrányi, 044 02 Tur_a nad Bodvou 328, Slovakia t.:++42-943-662230, e-mail: meander@fairnet-ke.sk Internet: //www2.tuke.sk/users/kladiva/slt97/
I	Meeting M3 - Classical Karst	1997 08-24 - 08-28	Postojna, Slovenia	Karst Research Institute, Postojna	IZRK SAZU, Titov trg 2, 6230 Postojna, Slovenia Fee: 220 USD

	Fourth International Conference on Geomorphology	1997 08-28 - 09-03	Bologna, Italy	Int. Assoc. Geomorphol., Univ. of Bologna	IV International Conference of Geomorphology, Planing Congressi s.r.l., Via Crociali 2, 40138 Bologna, Italy tel.: 0039-51-302980 fax: 0039-51-309477 e-mail: MICHELE.GALANTINO@PLANNING.INET.IT Fee: 300 000-800 000 LIT
N	Jahrestagung des Verbandes österreicher Höhlenforscher	1997 08-28 - 08-31	Neuberg, Steiermark, Austria	Verband österr. Höhlenforscher	Verband österr. Höhlenforscher, Obere Donaustrasse 97/1/61, 1020 Wien, Austria
I	International School of Nature Conservation in Karst Areas	1997 09-10 - 09-12	Blansko, Czech Republic	Management of Landscape Protected Area of the Moravian Karst	Management of the Landscape Protected Area of the Moravian Karst, Sadová 2, 678 01 Blansko, Czech Republic
N	3. National Speleological Congress	1997 09- 109- 21	Cluj, Napoca, Romania	Institutul Speologie, Bucuresti, Romani	Institutul Speologie E. Rakovi_a, Frumoasa str. 11, Bucuresti, Romania
I	Casola 97	1997 09-31 - 10-02	Casola, Italy		
N	Septième Rencontre d'octobre des Spéleo-Clubs de Paris Annual Meeting of the Association Française de Karstologie	1997 10-25 - 10-26	Sainte Baume, Var, France	Assoc. Fr. Karstol.	
I	NSS Convention 1998	1998 08-03 - 08-07	Sewanee, TN, USA	NSS	Wmn Shrewsbury, PO Box 4444, Chattanooga, TN 37405-0444, USA tel.: ++1-423-8863296, e-mail: nss98@caves.org
I	IXth International Symposium on Vulcanospeleology	1999 09-12 - 09-18	Catania, Italy	Italian Speleological Society	G.M.Licitra, Centro Speleo Etneo, Via Cagliari 15, 95127 Catania, Italy fax: 0039-95-437018

Note: I - International event, R - Regional event, N - National event

IMPORTANT NOTE

to all organizers of the speleological events. The use of the name and/or logo of the International Speleological Union (UIS) in the title or subtitle of the event brings some duties:

(1) the use of the name and/or logo have to be confirmed by some of the UIS Bureau members and
(2) the use of the name and/or logo is against the payment.
According to the motion of the Assembly General of the 9th International Congress of Speleology, Bowling Green, USA, July 22, 1981, point 4, the payment per capita in the UIS events are set **at 5% of the event registration fee, with a minimum of 3 USD** (see UIS Bull., 22, 1/2, p. 28).