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Pavel Bosák

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UIS-BULLETIN

Union Internationale de Spéléologie

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Volume 47

Number

Editor-in-Chief: Pavel Bosák

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AUSGEGEBEN IM JUNI 2001

The 13th International Congress of Speleology in Brasilia D.F., Brazil, July 15-22, 2001

The time from the last speleological congress in beautiful La Chaux-de-Fond, Switzerland in 1997, passed fast. According to the number of participants, the event was the greatest Congress since the beginning of that tradition in 1951, Paris, France. We spent 4 years of intensive caving and/or research, looking forward and thinking on the new Millennium and on the next meeting in 2001 in Brazil, for the first time on the Southern Hemisphere in South America. Our time was filled with lot of discoveries; we found karst and caves even in the centre of deserts, where the occurrence of caves was accepted only by crazy persons. Now we know lot on fantastic caves e.g., in Saudi Arabia and other regions of Arabian Peninsula. We improved our knowledge on tropical karsts, subterranean flooded world, on speleogenesis, hydrothermal karst and on other aspects of caving and karstology, sometimes very special and specific. We push our knowledge on forms similar to karst also in other rocks, in salt, gypsum, sandstones, volcanic rocks, magmatites and metamorphics and even in ice. We contributed important data for deciphering and predicting global changes and evolution of past, modern and future climates and climatic trends. Speleothems represented one of the first objects for such analyses. Commissions and Working Groups have been pushing the limits of our knowledge up, we have to thank all of them. New discoveries and research results have been presented in numerous national and international conferences, symposia, workshops and meeting, in numerous cases during events having nothing common with karst research and speleology. The results of research was smoothly incorporated to main streams of our present science. How simple, but without the effort of many cavers, any achievement in research can be done. The scientific mainstream in research connected somehow with the karst is a result of hard work in deep shafts in cold mountains, in hot and wet caves in tropics, in flooded karst both offshore and inland. The co-existence of fun and sport with research and science is unique for speleology, we cannot meet such conditions in other branches of human activity. This activities and co-operation was utilized also for nature conservation. Also thanks to the UIS bodies, numerous part of our unique and wonderful World were introduced to the UNESCO World Heritage List, e.g., caves of Slovak and Aggtelek Karsts, Mulu karst, several other proposals were compiled, too. I am looking forward to SpeleoBrazil 2001, to meet all of you – cavers and scientists – in nice number during pleasant and successful event. I am looking forward to exchange experience, knowledge, results as usual, but also to have fun and entertainment, to meet new friends. The preparation of the SpeleoBrazil 2001 was nothing easy. The UIS Bureau took care on the whole procedure. Although slow at the beginning, the organization accelerated in last several month promising the successful event. Nevertheless, the UIS Bureau followed all the caving activities in member and also non-member countries. We worked in nice harmony, using the advantages of recent electronic and global World. We were in daily touch by electronic post. Therefore I am looking forward to the SpeleoBrazil 2001 and period after with optimism. I am not taking care at all to the number of our 2001 Congress. I would like to thank all of you very much, indeed, for your willing co-operation to know our nice karsts, pseudokarsts, historical underground and caves, for protection and conservation of nature on our planet Earth.

Pavel Bosak

JUST COMING

SPELEOBRAZIL 2001



SPELEOLOGY IN THE THIRD MILLENIUM: SUSTAINABLE DEVELOPMENT OF KARST ENVIRONMENTS

Promoted by: **Brazilian Speleological Society (SBE)**
Speleological Federation of Latin America and the Caribbean (FEALC)
International Union of Speleology (UIS)
Organized by the **Brazilian Speleological Society**
Supported by the **Ministry of the Environment/IBAMA/CECAV**

Pre-Congress Excursions: July 7-14, 2001

MAIN EVENT: July 15-22, 2001

Post-Congress Excursions: July 23-31, 2001

Symposia: XVth International Symposium of Biospeleology; IInd International Symposium of Archaeology and Paleontology in Caves; Ist International Symposium of Cave Diving; Lectures and Round Tables; Papers and Posters

Institutional Activities: Assemblies (UIS/FEALC/SBE)

Socio-cultural Activities: Exhibits, Speleomedia, Speleoart, 1-day trips

Detailed Congress Program

<i>Sunday (July 15)</i>	14:00-18:00	UIS Assembly General (1)
		Registration
	20:00	Opening ceremony Cocktail
<i>Monday (July 16)</i>	9:00-9:30	General announcements
	9:30-10:30	Lecture
	10:30-10:45	BREAK
	10:45-12:15	Opening of Symposium on Archaeology/Paleontology (S2) Opening of Symposium on Cave diving (S5) Papers Session 1 (S1) and Session 4 (S4)
	12:15-13:30	LUNCH
	13:30-14:30	Special Program*
	14:30-16:00	Papers S1, S4, S2, S5
	16:00-16:15	BREAK
	16:15-17:15	Papers S1, S4, S2, S5
	17:15-18:15	Opening of Speleo-Media
	Free evening	
	8:45-9:00	Announcements of day; information about 1-day trips
	9:00-10:30	Papers S1, S4, S2, S5 Opening of Symposium on Biospeleology (S3)
<i>Tuesday (July 17)</i>	10:30-10:45	BREAK
	10:45-12:15	Papers S1, S4, S2, S5, S3
	12:15-13:30	LUNCH
	13:30-14:30	Special program*
	14:30-16:00	Papers S1, S4, S2, S5, S3
	16:00-16:15	BREAK
	16:15-17:45	S1, S4, S3 Closing ceremony S2 Closing ceremony S5
	Excursions of 1 day	
	8:45-9:00	Announcements of the day
	9:00-10:30	Papers S1, S4, S3 Opening of Symposium on Management & Protection (S6)
<i>Wednesday (July 18)</i> <i>Thursday (July 19)</i>	10:30-10:45	BREAK
	10:45-12:15	Papers S1, S4, S3, S6
	12:15-13:30	LUNCH
	13:30-14:30	Poster presentation
	14:30-16:00	Papers S1, S4, S3, S6
	16:00-16:15	BREAK
	16:15-17:45	Papers S1, S4, S6 Closing ceremony S3 Closing ceremony of Speleo-Media
	8:45-9:00	Announcements of the day
	9:00-10:30	Papers S1, S4, S6
	10:30-10:45	BREAK
	10:45-12:15	Papers S1, S4, S6
	12:15-13:30	LUNCH
	13:30-14:30	Lecture
<i>Friday (July 20)</i>	14:30-16:00	Papers S1, S4, S6
	16:00-16:15	BREAK
	16:15-17:15	Closing ceremony of S6
	16:15-18:00	Gymkhana
	8:45-9:00	Announcements of the day
	9:00-10:30	Assembly of FEALC Papers S1, S4
	10:30-10:45	BREAK
	10:45-12:15	Papers S1, S4
<i>Saturday (July 21)</i>	12:15-13:30	LUNCH
	13:30-15:00	Round table discussion
	15:00-17:45	Assembly of SBE Banquet
	9:00-12:00	UIS Assembly General (2) and selection of venue for next congress
	12:00-13:00	Closing ceremony
<i>Sunday (July 22)</i>		

* Includes folkloric presentations, new books, visits to stands, etc.

Note: Meetings of the various commissions of UIS, FEALC, and SBE will be held throughout the day on July 16, 17, 19, 20, and 21 at times to be determined and in a space reserved for this purpose.

Contacts

For latest news, registration forms, prices, general information, excursion details, and program update

Visit our site: <http://www.speleobrazil2001.org.br>

Questions, opinions, special requests, and sponsorship: e-mail: info@speleobrazil2001.org.br

Brazilian Speleological Society (SBE)

Organizing Committee of Speleo Brazil 2001

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ASSEMBLY GENERAL - Agenda ASSEMBLÉE GÉNÉRALE - Ordre du jour GENERALVERSAMMLUNG - Tagesordnung

Brasilia DF, Brazil, South America
Convention Centre "Ulysses Guimarães"

First Session-Première Séance - Erste Sitzung

July 15, 2001, 2.00 pm

1. Opening of the Assembly General
Ouverture de l'Assemblée Générale
Eröffnung der Generalversammlung
While of silence – Habe, Anavy, Jiménez, Habič, dell'Oca and other cavers who died within Congresses
2. Ascertainment of the number of voting delegates
Constation du nombre des délégations votantes
Feststellung der Anzahl der stimmberechtigten Delegierten
3. Salutations and thanks
Salutations et remerciements
Begrüßungen und Danksagungen
4. Approval of Minutes of the UIS Assembly General from La Chaux-de-Fonds (1997)
Approbation formale du proces-verbal de l'Assemblée Générale de l'UIS de La Chaux-de-Fonds (1997)
Approbation des Protokolls der Generalversammlung der UIS in La Chaux-de-Fonds (1997)
5. Reports concerning activities of the UIS, Commissions, Working Groups and Committees
Rapport concernant les activités de l'UIS Commissions, des Groupes de Travail et des Comités
Bericht über die Tätigkeit der UIS, der Kommissionen, der Arbeitsgruppen und der Komitees
6. Election of two auditors
Elections de deux Commissaires aux Comptes
Wahl zweier Rechnungsprüfer
7. Election of a Commission for the elections of the new UIS Bureau
Election d'une Commission des candidatures pour le prochain Bureau
Wahl einer Kommission für die Kandidaturen für das nächste Büro
8. Presentation of candidate countries to organize the 14th International Congress of Speleology (2005)
Présentation des candidatures pour le 13^{ème} Congrès International de Spéléologie (2005)
Vorstellung der Bewerber für den 14. Internationaler Kongress für Speläologie (2005)
9. Admission of new Member Countries of the UIS
Admission de nouveaux membres de l'UIS
Aufnahme neuer Mitglieder der UIS
10. Presentation of proposals and motions
Présentation de propositions et motions

11. Vorstellung eingebrachter Vorschläge und Anträge
Different interventions
Interventions diverses
Ergänzende Informationen
Introduction of the Italian version of the Statute
Introduction of the UIS Inaugural Prizes

Second Session - Deuxieme Séance - Zweite Sitzung

July 22, 2001, 9.00 am

1. Report concerning the future activity of Commissions, Working Groups and Committees, and confirmation of Presidents by the Assembly General
Rapport concernant l'activité future des Commissions, des Groupes de Travail et des Comités, et autorisation de leurs Présidents par l'Assemblée Générale
Bericht über die zukünftige Tätigkeit der Kommissionen, Arbeitsgruppen und Komitees, und Bestätigung der Vorsitzenden durch die Generalversammlung
2. Report of the Advisory Committee concerning the proposals, motions and decisions
Rapport du Comité Consultatif sur les propositions et motions et décisions
Bericht der Beratungskomitees über eingelangte Vorschläge und Anträge und Beschlussfassung darüber
3. Report of budget auditors of past-UIS Bureau
Rapport des Commissaires aux Comptes et Délibération du Bureau sortant
Bericht der Rechnungsprüfer und Entlastung des scheidenden Büros
4. Elections for the period 2001-2005
of the President and two Vice-Presidents of the UIS
of Secretary General of the UIS
of other members of the UIS Bureau
Elections pour la période 2001-2005
du Président et des deux Vice-Présidents de l'UIS
du Secrétaire Générale de l'UIS
des autres membres du Bureau
Wahl für die Zeit 2001-2005
des Präsidenten und der zwei Vizepräsidenten der UIS
des Generalsekretärs der UIS
der übrigen Mitglieder des Büros
5. Statement of the new UIS President
Allocation du nouveaux Président de l'UIS
Ansprache des neuen Präsidenten der UIS
6. Election of country organizing the 14th International Congress of Speleology (2005)
Election du pays organisant le 14^{ème} Congrès International de Spéléologie (2005)
Wahl des Gastlands für den 14. Internationaler Kongress für Speläologie (2005)
7. Information concerning speleological events between the International Congresses of Speleology
Information concernant les manifestations spéléologiques prévues entre les Congrès Internationaux de Spéléologie
Informationen über geplante höhlenkundliche Veranstaltungen zwischen den Internationalen Kongressen
8. Interventions and supplementary information
Interventions diverses et informations supplémentaires
Allfälliges und Informationen
9. Thanks and closure of the Assembly General
Remerciements et clôture de l'Assemblée Générale
Danksagungen und Abschluss der Generalversammlung

Errata and Changes

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CCP 10-17182-9

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News from Member-Countries

Indonesia

In 2002, the participants of the international meeting at Mulu in May 2001. have decided to launch an international expedition to East Kalimantan. The finding of the magnificent cave paintings, resulting in the ROLEX AWARD to Luc Henri Fage, the giant caves, the magnificent biodiversity warrant this karst and cave site to be nominated world heritage. The Mulu international meeting of Cave and Karst scientists, also attended by Andy Eavis, discussed about the Karst World Heritage potential of Gunung Sewu, Maros and Highland Irian Jaya, as proposed in 1993 by the UIS in Beijing. Maros is accepted. Highland Karst of Irian Jaya should include in the urgent extension of Lorentz World Heritage, Gunung Sewu karst should be proposed after more data is put forward.

I collected data on speleoactivities in the ASEAN countries. There are only a few caving people, members of Nature Societies in Malaysia and Singapore some people interested in caving without being member of a club in Thailand, Birma (Myanmar), Cambodia and Vietnam.

So we Indonesia, really stand alone in this region. But due to very expensive equipment and plunging rupiah value, we have not been able to increase the numbers of speleoactivists. However, increasing number of scientists in related fields are doing research work in the cave and karst environment. Students are now beginning not only to do caving but scientific work as well to graduate or enroll in postgraduate courses in karst and cave related sciences. This is predominantly the result of workshops, seminars, lectures and courses, consistently organized by FINSPAC or SCIENTIFIC institutes, Universities in Yogyakarta, Surakarta, Makassar, Jakarta, Bandung, and Government Bodies (R&D centers of Geology and Biology, Ministry of Environment, Ministry of Forestry, Ministry of Culture and Tourism, Ministry of Mining and Energy) all of which in coordination with FINSPAC, since 1995.

From Commissions and Working Groups

Informatics Commission 1997-2001

It's been a busy four years for the Informatics Commission and though we haven't completed as much as we hoped, we have made significant progress as detailed below. My special thanks go to the generous skilled people below who have made the work of the Commission possible, and to the many people who have helped them. Special thanks also go to Associate Professor Brian Finlayson, Head of the School of Anthropology, Geography and Environmental Studies at Melbourne University, who has continued to provide free hosting for UIS' web-site since 1994. Unfortunately I am unable to attend this year's Congress - please accept my apologies.

Caver's Multi-lingual Dictionary - *Dr. Attila KÓSA, Hungary*

After Attila's paper at the Swiss UIS Congress (Proc Vol.5 p129) describing his published Dictionary and the problems in producing it, I suggested a web-based version to avoid the publishing cost, to avoid the need to produce several versions sorted by language, and to make it available to more people. Attila readily agreed so we worked together to convert his dictionary into a database, which is now used for updating the terms and for generating the dictionary web pages. He started with four languages, but thanks to several generous contributors over the period and Attila's hard work he has now expanded it to eight: English, French, German, Hungarian, Italian, Portuguese, Romanian and Spanish. More are welcome! Multiple character sets can be displayed on the web pages, which also include a bibliography and links to various speleo glossaries around the world.

Web: <http://rubens.its.unimelb.edu.au/~pgm/uisic/lexintro.html>

Attila: kosaatti@mail.mata.vu.hu

International Speleo Calendar - *Roger TAYLOR, Australia*

Roger has continued to work quietly in the background keeping the Calendar web pages updated with details of coming speleo events from around the world (now up to the 203rd event!). There was a delay over recent months because of pressing other responsibilities, but he is now back on deck and has recently loaded a major update. Please be sure to keep Roger advised of your national and international events and so get the benefit of the extra publicity.

Web: <http://rubens.its.unimelb.edu.au/~pgm/uis/events.html>

Roger: rtaylor@netspace.net.au

Mapping Symbols - *Philipp HÄUSELMANN, Switzerland*

After running an intensive Workshop at the Swiss UIS Congress to continue his existing consultative work on cave mapping symbols, Philipp led an international Working Group of the Commission to finalise, vote on and publish on the web a set of UIS basic cave mapping symbols for international use. The symbols are a universal basic set, designed to be augmented with further specialised and/or local symbols where necessary, and were adopted in May 1999. Philipp is now commencing a new Working Group of the Commission in collaboration with the Karst Commission of the International Geographical Union to establish agreed symbols for surface karst mapping. Please contact Philipp if you want to help.

Web: <http://rubens.its.unimelb.edu.au/~pgm/uisic/wgsurmap.html>

Philipp: praezis@mpi.unibe.ch

Cave Data Exchange Format - *Andreas NEUMANN, Switzerland*

This international Working Group was set up at the beginning of this year to establish an agreed transfer format for cave/karst data using XML (Extensible Markup Language), concentrating first on data for cave surveys and maps. Vigorous discussion has been continuing since then via a special emailing list set up by Andreas for the purpose. Please contact Andreas if you want to help.

Web: <http://www.karto.ethz.ch/~an/caving/cavexml/index.html>

Andreas: andreas.neumann@karto.baug.ethz.ch

Cave Data Field Definitions - *Peter MATTHEWS, Australia*

The basic aim is to create a wide repertoire of agreed field definitions so that those deciding to use a suitable subset of them in their system can validly exchange, compare and/or consolidate data with others who are also using the standard fields. Relevant experts will be consulted of course to allow inclusion also of specialised fields from various disciplines. This project has not progressed as far as I would have liked in that we have not yet formed the Working Group nor started the international discussion, however significant work has already been done: a detailed project proposal has been published, 542 fields have so far been identified, defined and published for discussion (many of these fields have already been used by the Australian database), a sample database table structure has been published for the "cave" entity using these fields, a set of "basic" fields has been identified by a workshop at the Swiss UIS Congress, many other fields which are being used around the world have been collected for later incorporation into the main list, and a technique has been developed for easy production of custom paper data-entry forms, based on the UIS fields, for off-line data accumulation prior to data entry. This Working Group will of course be working in close liaison with the above Data Exchange WG.

Web: <http://rubens.its.unimelb.edu.au/~pgm/uisic/exchange/exchprop.html>

Peter: matthews@melbpc.org.au

Cave Database Software - *Peter MATTHEWS, Australia*

A major part of my time over the period has gone into establishing what is actually needed for a practical distributed cave/karst database, which can be used by multiple clubs contributing to a regional and/or national da-

tabase, and into implementing this in the software. The Australian Speleological Federation's national Karst Index Database was used as a real-life pilot, and all the cave, area, map and references data from its book "Australian Karst Index 1985" was successfully converted and loaded - the cave fields used can be seen in the table structure shown on the above web pages. Some functionality is still missing, but the software implements the UISIC fields and proposals and currently allows reading, querying, reporting and updating the cave data in a multi-club environment, and reading, querying and reporting the map, references, organisations, and people data. It also contains the data dictionary for the proposed UIS fields and subject classifications, and generates their respective web pages. This first version deliberately uses "old-fashioned" DOS software so that clubs around the world can run it on any old PC - a 386 with 2 MB of memory is enough. The software will eventually be available from UISIC as freeware, and its specs published so that others can build modern multi-platform versions making use of the practical organisational principles, which it incorporates (ASF has bypassed this "old-fashioned" software and its built-in knowhow, and jumped straight to a modern web-based version using the UISIC proposals. They have successfully loaded some of the above data on to the web as read-only, but not yet worked out the hard part - how clubs are going to update their data. ASF Web: <http://www.caves.org.au/kid/>).

UIS Web Pages - Peter MATTHEWS, Australia

The Commission continues to produce and manage the UIS web pages, which among other things lists all the commissions and their presidents, and provides up-to-date addresses of all UIS people. Recent additions include the UIS statutes, fees, brief history, names and addresses of the UIS delegates and deputies for each country, and downloadable copies of the **UIS-BULLETIN**. Planned further additions are "PDF" versions of the **UIS-BULLETIN** so that people can easily produce proper printed copies, a "UIS jobs vacant" board for posting requests for help, and a single place to find all UIS standards/guidelines. Further suggestions are welcome! Many commissions have still not yet taken advantage of the opportunity to explain and publicise their work via these web pages. UIS has now obtained its own Internet domain name "uis-speleo.org" ("uis" was not available), which will be implemented shortly.

Web: <http://rubens.its.unimelb.edu.au/~pgm/uis>

Peter: matthews@melbpc.org.au

Other Projects

Two planned projects, which have not yet properly started are a cave/karst informatics bibliography (Günter STÜMMER, Austria), and a revised speleo subject classification scheme (Peter MATTHEWS, Australia) in collaboration with the Bibliography Commission (Alexander KLIMCHOUK, Ukraine). Please get in touch if you want to help.

Günter: speleo.austria@netway.at

Peter: matthews@melbpc.org.au

Alexander: klim@klim.carrier.kiev.ua

UISIC Vacancies

* Field Form Library Manager

* Address Database Manager

* *Informatics Bulletin* Editor

Next Period

For this next period's plan I think we can be satisfied just to complete all our existing work-in-progress! However further suggestions are always welcome! I am happy to continue as President of the Commission if UIS so wishes.

Peter Matthews
President

Bericht der UIS Kommission für die Geschichte der Speläologie

Seit dem letzten CIS in der Schweiz konnte die Kommission die gesteckten Ziele nicht erreichen, da es dem Vorsitzenden nicht möglich war, die geplante internationale Tätigkeit zu entfalten.

Es war die Arbeit lediglich auf den mitteleuropäischen Raum beschränkt. Sie erstreckte sich auf die ALCADI-Symposien, zur Geschichte der Karst- und Höhlenkunde im Alpen, Karpaten und Dinaridenraum, die 1998 in Liptovsky Mikulas, Slowakei, und 2000 in Zadar, Kroatien, stattgefunden haben und für 2002 in Gorizia, Italien, vorbereitet werden. Weiters wurden die Interessen der Kommission bei den Festveranstaltungen des Welterbegebietes "Skocjanske Jame" in Slowenien vertreten, die DI Albin DEBEVEC zu Ehren der für die Höhle bedeutenden Höhlenkundler DI Dr. Robert OEDL aus Salzburg im Jahre 1999 und zur Ehren von Anton HANKE aus Triest, der aus Mähren in der Tschechischen Republik stammt und an der Feier zum 110 Jahrestag des Höhlenvereins "Anthron" in Postojna, Slowenien, teilgenommen. Zu erwähnen ist schließlich die sehr effektvolle Aufarbeitung der Leistungen von E.A. MARTEL bei einem Symposium in Mende, Frankreich, durch die französische Kollegenschaft im Jahre 1998.

Bei den Symposien wurden auch Sitzungen der Kommission abgehalten, an denen sich Vertreter aus Großbritannien, den Niederlanden, Frankreichs, Italiens, Deutschlands, der Schweiz, Sloweniens, Kroatiens, Jugoslawiens, Bosnien-Herzegovinas, Ungarns, der Slowakei, der Tschechischen Republik, Polens, Rumäniens und Österreichs teilgenommen haben.

Bei den ALCADI-Symposien hat sich gezeigt, wie wertvoll überregionale Arbeitsgruppen zur Erarbeitung der gemeinsamen speläologischen Geschichte sind, besonders wenn man hierfür bei den Tagungen und für die

Publikationen die einzelnen Nationalsprachen reduziert und sich einer gemeinsamen Sprache zur Kommunikation bedient. Dadurch verliert zwar die Qualität des sprachlichen Ausdruckes, es wird hingegen die allgemeine Verständlichkeit der Themen wesentlich verbessert. Diese Symposien dienen obendrein dem Bekanntmachen der überregional, international bedeutenden Ergebnisse für die Speläologie einzelner Gebiete und nicht der Aufarbeitung von rein regionalen Ergebnissen der Höhlenforschung. Solche Darstellungen sind weiterhin im jeweilig nationalen Bereich unterzubringen. Ebenfalls sind Beiträge die für den ALCADI-Raum verfaßt worden sind, auch in entsprechenden nationalen Publikationsorganen zu präsentieren, um die nationalen Interessen nicht zu vernachlässigen.

Die bisherigen Erfahrungen dieser Symposien beschränken sich nicht nur auf die Tagungen selbst, sondern auch auf die Dokumentaion der historischen speläologischen Forschung und dem Aufbau von Archiven und der Sicherung historischer Unterlagen. Dabei sind Ansätze gemacht, auf nationaler Ebene schriftliche Unterlagen, Fotos und Archivalien jedweder Art lokal zu erfassen und diese in Kopien in überregionalen, nationalen Dokumentationsstellen zu sichern und vor einem eventuell später eintretenden Verlust zu bewahren und zusätzlich einem weiteren Interessentenkreis für die Forschung zugänglich zu machen. Darüberhinaus wird versucht, wichtiges Material auch an andere nationale Dokumentaionsstellen zur Sicherung der Unterlagen in Kopien abzugeben. In einigen Fällen ist dies bereits geschehen, und zwar in die Archive des Insstituts für Karstforschung in Postojna, der Speläologischen Instituts in Budapest und der Karst- und höhlenkundlichen Abteilung des Naturhistorischen Museums in Wien. Dabei bestehen jedoch noch Probleme mit der Art der Sicherungskopien, da die neuen elektronischen Medien zwar sehr geeignet erscheinen, jedoch weder die Haltbarkeit der Speichermedien, noch der sichere Zugriff in der Zukunft gewährleistet erscheint. Aus diesen Gründen laufen zwar entsprechende Vorarbeiten, jedoch noch keine definitiven Arbeiten zur praktischen Umsetzung.

Für die regionale und internationale Arbeit zur Biographie von Speläologen und zur speläologischen Wissenschaftsgeschichte wäre eine intensivere Zusammenarbeit auf dem Sektor des historischen Schriftverkehrs wichtig. Besonders in diesem Sektor wäre eine Auflistung der Bestände und ein präventiver Austausch von Kopien wichtig. Dadurch könnte allein die Sicherung der Bestände erfolgen, verbunden mit dem Hinweis auf das verwahrende Archiv, aber auch zur Bearbeitung dieser Bestände aus einer anderen Sicht anregen. Auf diese Weise könnte der Wert mancher Archivunterlagen erst erkannt werden.

Von ganz besonderem Wert für die speläohistorische Forschung erscheinen die Postkarten von Höhlen und von Karstgebieten. Die alten Ansichten zeigen vielfach Landschaftsverhältnisse und Situationen in Höhlen, die heute nicht mehr angetroffen werden können. Auch hier hat die Kommission bereits mit verschiedenen Speläologen, die über umfangreiche Postkartensammlungen verfügen, Verbindung aufgenommen um dieses Material der Forschung zugänglich zu machen. Bedauerlicherweise sind auch hier die Zielsetzungen zu einer elektronischen Erfassung von Daten und Bildern zwar klar, technisch aber noch nicht ausgereift.

Der Kommission für die Geschichte der Speläologie muß sich nunmehr im 21. Jahrhundert auch mit der Erfassung und Aufarbeitung des letzten Jahrhunderts befassen und darauf achten, daß nicht manches Material von den Zeitgenossen als wertlos bezeichnet wird und verlorengeht. Er wird dabei notwendig sein, sich besonders den historisch gewordenen Foto-, Film- und Videoaufnahmen anzunehmen, die in bisweilen großen Mengen privat gesammelt worden sind, mehr oder weniger gut dokumentiert einem ungewissen Schicksal - was etwa Haltbarkeit und Beständigkeit angeht - entgegensehen.

Die Ziele der Kommission werden im 21. Jahrhundert in erster Linie der Erhaltung und Zugänglichmachung der Unterlagen gelten, weiters der Aufarbeitung von Forscherbiographien, von Forschungsprojekten und der Klärung historischer Fragen, die dazu dienen sollen weitere Beiträge zur weltweiten Geschichte der Speläologie zu liefern. Diese Ziele könnten dadurch erreicht werden, daß für die technischen Angelegenheiten die bisherigen Erfahrungen zu Empfehlungen zusammengefaßt werden, die dann von überregionalen, übernationalen Arbeitsgruppen, ähnlich jener der ALCADI-Symposien in Mitteleuropa, umgesetzt werden. Es sollten sollten sich für geschlossene, bzw. zusammengehörige Arbeitsgebiete entsprechende Arbeitsgruppen bilden, ungeachtet der jeweiligen nationalen Zugehörigkeit und Sprache. Im Sinne der internationalen Speläologie sollten jedoch die überregionalen Leistungen auch in Englisch als weit verbreiteter Verkehrssprache veröffentlicht werden, ohne Veröffentlichungen in den nationalen sprachen zu vernachlässigen.

Wenn die Kommission wie bisher weitergeführt werden kann, wäre es das Ziel der kommenden Arbeit die bisherigen Erfahrungen zu vermitteln, autonome Arbeitsgruppen anzuregen und die genannten Ziele schrittweise umzusetzen. Es wäre zu begrüßen, wenn sich zusätzliche Speläologen an der Kommissionsarbeit beteiligen könnten.

Karl Mais
Präsident

Report of the UIS Commission on Physical Chemistry and Hydrogeology of Karst

Presently Commission have 135 members from 33 countries and 7 sub-commissions with 6 to 23 members. They are on specific topics: "Speleothem Research", "Cave Climate and Climatic impact on karst", "Karst Geology and Geomorphology", "Karst Geochemistry", "Techniques for Location of New Caves", "Hydrochemistry" and "Radioactivity in Caves". It have 3 international programs: "luminescence of cave minerals", "Speleothem Records of Environmental Changes in the Past" led by Y. Shopov and "Radioactivity in caves and karst" led by L. Tsankov. Before the UIS Congress in Switzerland, the International program "Cave minerals of the word" was operated in our commission, but during the congress it's members formed a separate commission.

Unlike most other scientific UIS commissions main activity of this commission is not writing of books or organization of conferences, but conducting of real large scale joint research projects and development of new methods, techniques and approaches in cave and karst research. As far as such activity requires proper funding great deal of efforts has been done to attract external funding for the commission projects. The main target was EC forth and fifth framework program, although in the end such funding came from national sources after submitting of same projects (developed with joint forces of many commission members) to national science foundations. Then after starting of such project we arrange some international participation in it. EC officially do not give any funding to international organization's projects, but unofficially some can be obtained from it's European teams. Next problem came from the fact that the scope of our projects is always far broader, than the narrow priorities set in the framework programs, so our projects and the interests of some of the members involved in them are always running a bit out of the priorities, which kills the project. The craziest fact was, that after long discussion of our research with the Director of the EC directorate DG12 (which funds these projects) he was very impressed by the same topic of research, which was ground of rejection of our grant proposal, because reviewers considered it to lay out of the scope of priorities. So we are now searching for other funding opportunities. Since the last speleological congress we initiated following projects:

Abrupt Climatic, Hydrologic and Sea Level Changes and their Causes - Paolo Forti and Yavor Shopov

Aim of this project is: (1) To produce long quantitative reconstructions of annual precipitation, drainage and annual temperature over the last 1,000 years; (2) To prepare proxy records of paleotemperature and solar insolation in the last 250 ka; (3) To assess contribution of the solar forcing on climatic variation; (4) To prepare high resolution reconstructions of the sea level variations and to study it's causes; (5) To improve predictions of the future abrupt climate and sea level changes; (6) To study the reason for catastrophic global flood events; (7) To contribute to solving of the fundamental debates: (a) is the global warming a technogenic or natural effect, and (b) Which is the main driving factor of the millennial climatic variations.

It involves following research topics: 1.1. Quantitative extremely high resolution paleotemperature records; 1.2. Solar insolation records; 1.3. Quantitative reconstruction of the rainfall in the past; 1.4. Stable isotope and trace elements paleoclimatic records; 1.5 Sea level variations; 1.6. Causes of solar insolation variations, and 1.7. Collisions of the Earth and the Sun with asteroids and relevant abrupt climate changes.

Radioactive Pollutions and Natural Radioactivity traced in Caves and Karst Waters - Giovani Badino

The main goals of this project are: (1) To study sources, paths, propagation and deposition of different components of the natural (and eventually technogenic) radionuclides in the karst regions; (2) To study influence of karst processes on decontamination of radioactive and heavy metal pollutions in order to prepare environmentally safe methods for their deactivation; (3) To study radon concentration as function of place and time, involving various techniques, both in caves and on the surface; (4) To study aerosol mass-transfer in caves and air pollution records in cave sediments; (5) To search for possibly very clean of radioactivity caves, which can be used as a basis for fundamental physical research and for calibration of nuclear spectrometry equipment.

It involves following research topics: 2.1. Detailed total radioactivity and gamma spectrometry investigations of karst regions (including both surface and underground parts); 2.2. Influence of karst processes on decontamination of radioactive pollutions; 2.3. Aerosol radioactive particles; 2.4. Air circulation in caves; 2.5. Measurements of radon in caves; 2.6. Tritium in karst waters; 2.7. Search for low radioactivity caves for underground laboratories.

Natural disasters, global change and decontamination of radioactive pollutions in karst - Silvia Frisia

The main goals of this project are: (1) To study karst hazards and to find methods for their reduction; (2) To study influence of karst processes on decontamination of radioactive and heavy metal pollutions in order to prepare environmentally safe methods for their deactivation.

It involves following research topics: 3.1. Paleoseismic records; 3.2. Hydrothermal activity in the past; 3.3. Luminescent records of hydrothermal activity in the past; 3.4. Influence of karst processes on decontamination of radioactive and heavy metal pollutions; 3.5. Recording and evaluating karst hazards associated with human activity within karstified territories; 3.6. Rainfall in the past; 3.7. Solar insolation and paleotemperature records; 3.8. Sea level changes.

Activity and future

After the UIS congress in Switzerland, Commission had 3 meetings: (1) in Bowling Green, 1998 together with IGCP379 and karst commission of IAH. Tradition to make joint meetings with other karst research bodies was proposed and developed by our commission in 1992 and it works very efficiently. Prof. R. Ewers was appointed for secretary general and American representative of the commission; (2) in Nerja, Spain, 1999; (3) in Cluj, Romania, 2000 together with IGCP 448.

We are going to make an International Workshop on *Cave Climate and Paleoclimate-Best Record of the Global Change* to be done in a nice mountain hotel near city Stara Zagora in Bulgaria around September 20-25, 2002. Number of participants will be limited to 50-60, so it will be open only to Commission members and few external outstanding specialists. Our purpose is to bring together best karst scientists of UIS and to produce an outstanding conference volume to be published as a dedicated volume of the International Journal of Speleology. Preliminary agreement with the editor is already made.

In the last years interest of scientific community to speleothem paleoclimatic records rise dramatically in such scale, that soon speleothems may became endangered species. This research traditionally done mainly by members of our commission and completely by cavers in the past is now very fast spreading amongst persons who don't know anything about caves and don't care about conservation issues at all. This expansion of interest to spe-

leothems is due to the work of our commission and especially of its working group, later international program on Speleothem Records of Environmental Changes in the Past. Since it was founded in 1990 we systematically expanded more than twice the range of information obtainable from speleothems and rise resolution of paleoclimatic methods with many orders of magnitude. Now in order to preserve speleothems we need first to rise the position of UIS in this field and then to teach interested external scientists to cave conservation issues and policy. For this difficult task we need to bring together best UIS scientists in the organizing committee of this workshop. So it involves 3 ex-presidents of UIS plus many leading scientists in this field from all over the world. This is a great opportunity to bring together finally cave climatologists and cave paleoclimatologists which unreasonably are different scientific communities without active contacts and collaborations!

The major achievement of the commission for the period was solving of the reason for disagreement between experimental global paleoclimatic curves and theoretical curves of orbital variations. Recently when well dated paleoclimatic records was made from a speleothem from Devils Hole (DH11), USA (which is the best dated paleoclimatic record), they demonstrated that the end of the former glaciation (Termination II) came 10 ka before the moment suggested by the orbital theory, i.e., the result appear before the reason (which is not possible). From the other side theoretical curves explain only of the variations presented in the theoretical curves (Imbrie et al., 1992, 1993). Both this facts question of the reliability of Milankovitch theory. To solve this problem we first created experimental solar insolation (SI) record to cover several glacial periods (last 250 ka). Then we extracted orbital variations of SI from this record. The obtained residual represent Solar Luminosity (SL) variations. Its intensity appeared to be as high as that of the orbital variations, but its main period is 11.5 ka. It shifts the timing of the glaciations and produce the unexplained variation in paleoclimatic records.

The Orbital theory has 2 presumptions: (1) that the solar luminosity is constant during geological periods of time, and (2) that the Earth behaves as an absolute solid body independently of the orbital variations.

Recent studies demonstrate that both these presumptions are wrong. Direct satellite measurements of the solar constant demonstrated that it varies with time as much as 0.4% during the observation time span (Hickey et al., 1980), but there are experimental data suggesting that it varied much greater during geological periods (Stuiver et al., 1989).

Increasing of the ice volume and related sea level change during glaciations produces changes in the inertial moment of the Earth and resulting changes in the speed of Earth's rotation (Tenchov et al., 1993). Orbital variations cause also some deformation of the solid Earth and redistribution of the Ocean masses (Morner, 1983). In result theoretical curves can be used only for qualitative reference. For quantitative correlation it is necessary to use experimental records of the solar insolation, because they contain also variations of the solar luminosity and number of others not covered by the Orbital theory. So luminescence speleothem SI records are starting to replace the theoretical orbital curves. This is a big advance for all paleoclimatology, but a hard time too, because now all not well dated records (sea cores, etc.) are tuned to the theoretical curves. Now their chronology and many conclusions must be reconsidered and lot's of further research must be done to make corrections to this new achievement. Commission members Y.Shopov, D.Stoykova, L.Tsankov, L. Georgiev, D. Ford and J. Lundberg are involved in this innovative research done on speleothems from Jewel Cave, US and Duhlata Cave, Bulgaria. See you in Brazil!

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President
Center for Space Research
University of Sofia
James Bourchier 5
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From International Geographical Union

Newsletter on Annotated Bibliography

The Newsletter was started by the Commission »Environmental Changes and Conservation in Karst Areas« (chairman Ugo Sauro) and continued up to No. 8 by the Commission "Sustainable Development and Management of Karst Terrains" (chairman J. Gunn) of International Geographical Union. All 8 numbers have been edited by Prof. Kazuko Urushibara-Yoshino from Hosei University, Tokyo. In the 8th No. she informed us that this is the last number she edited and I regretted it very much.

During the August 2000 Commission meeting at Seoul it was decided to entrust the editing of next numbers to karstologists from Slovenia, represented by Commission full member Andrej Kranjc. So we are beginning to prepare the next, the 9th number of "Newsletter on Annotated Bibliography".

All the members (specially corresponding ones) of the Commission and **all, who are interested and are publishing on the topic of karstology**, are kindly invited to send to my address their bibliography, concerning karstology. It should comprise articles, books, and others (abstracts, notes, maps, reports), published in the year 2000 (the year of the publication must be 2000). As usually, I expect to get personal bibliographies first by E-mail

or by post on diskette, and later, by post, hard copies (off prints, volumes, books). Thus the researchers visiting our library and referring to the "Annotated Bibliography", can have to their disposal the original works.

The data needed are: Family name of the author(s), first name(s): title of the paper. Title of the journal (or book, proceedings, etc.), place of issue, volume number, number, pages (from – to), year of issue. Abstract.

For example:

Ahmadipour, Mohammad Reza: Karst terrains in Iran: examples from Lorestan. *Acta carsologica*, Ljubljana, 28(2), 213-224, 1999

[Text of abstract]...

Angelova, Dora: The Paleokarst in Northeast Bulgaria, Relations with kaolin deposits. European Conference "Karst 1999. From karst landscape to karstic geosystems. Karst dynamics, structures and indicators. Grands Causses, Vercors", *Etudes de Geographie Physique, Suppl.* (28), 19-23, 1999

[Text of abstract]...

If the original article has no abstract, the author is asked to write a short (up to 15 lines) one in English. If the reproduction of an abstract is protected by copyright, the author has to provide the permission to reproduce it. If there is no abstract, the author is asked to add the appropriate key words (5–10 approximately).

Who does not know or has not "Newsletter" can look it at <http://www.ceres.dti.ne.jp/~kazukouy>

The contributors are kindly asked to send the needed bibliographical material at the latest to the **Saturday, May 19th 2001** to

Andrej KRANJC

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SI - 6230 POSTOJNA

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E-mail: kranjc@zrc-sazu.si

From International Caver

Dear Friends and Colleagues,

Could you please note that the e-mail address for the International Caver is now: icaver@aol.com

Please change your directory entry and direct all future communications to that address as the

aven@compuserve.com

address will soon be closed down. The web pages can be found at

<http://members.aol.com/icaver>

By the way, I am now starting work on IC2001 so if you have any material for publication please contact me.

Tim Stratford

Invitations

East Kalimantan International karst and cave expedition 2002

The East Kalimantan International karst and cave expedition in 2002. Interested persons to contact Dr. Robby Ko: speleoindonesia@indo.net.id. or Dr. Anthony Whitten: Twhitten@worldbank.org.

1. As the remarkable collection of karst specialists who recently attended the UNESCO/IUCN Asia-Pacific Forum on Karst Ecosystems and World Heritage at

Gunung Mulu National Park already know, the potential conservation importance of the Sangkulirang Peninsula (and the area to its west in the same limestone block) in East Kalimantan, Indonesia, was confirmed.

2. The grand limestone range of Sangkulirang has been identified as an important area for conservation for twenty years or more, yet there has been very little inventory work conducted in the area. Botanical collecting early this century found a new species balsam with a stem as thick as a man's thigh, French work in recent years has found an amazing array of painted and burial caves, and a British caving expedition last year (curtailed by the forest

fires and other factors) found enough of interest to certainly justify another exploration. You can see some interesting photos on the USAID-NRM site: <http://www.nrm.or.id/Content/Resources/Presentations/03KarstCY/>. There is also a French site showing the burial caves but I cannot locate it.

3. We felt that the time had come to stop complaining about the lack of information and to do something practical to improve the situation. Thus was born the concept of an expedition lasting a total of several months in late 2002 or early 2003. It has been tentatively approved for sponsorship by the LIPI Centre for Biology Research and Development. The Federation of Indonesian Speleology (speleoindonesia@indo.net.id) would be at least the temporary local organizer. It is envisaged that work conducted during the expedition would encompass physical, biological and cultural aspects (and the links among them), and it has been suggested that a common goal would be to work along three N-S transects: in the far west, in the centre, and in the east.

4. I assume that participants will pay an administration fee and a sum related to the number of days spent in the area and using facilities. There are a number of potential sponsorship partners to help with core costs and other needs, but if you have ideas please let me know! The priority for all/any discretionary funds would be for Indonesian colleagues. Before anyone asks, there would be no funding from the World Bank!

5. Please pass this note onto others whom you think would be interested. (To those who have received it from others and feel they should have been in the first round, I apologize; I have just done a quick trawl through my address book and am sure to have missed important individuals).

6. I am not able to organize the expedition but I am very happy to get the ball rolling in my private capacity.

7. So, if you think that you would like to participate AND would be able to find at least some funding, please let me know.

Tony Whitten
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1818 H St NW, Washington DC, 20433, USA
Fax: +1-202-522-1666
www.worldbank.org/biodiversity

World Inventory of Caving Organizations

The U.S.A.

National Speleological Society
2831 Cave Avenue
Huntsville, Alabama 35810
USA

Tel.: 256-852-1300

Fax: 256-851-9241

e-mail: nss@caves.org

web: www.caves.org

Number of members: about 12,000

Publications: NSS News (monthly, ISSN 0227-7010)

Journal of Caves and Karst Studies (63 vols., semi-annually, ISSN 1090-6924)

International Journal of Speleology

On behalf of the Editorial Staff of the International Journal of Speleology - Physical Speleology, I am happy to inform you that on the very next months, vol. 28/B (1999) will be printed. During this year 2001 we intend to publish also vol. 29/B (2000) and vol. 30/B (2001). As you know the letter "B" after the number of the volume means "*Physical Speleology*", while the letter "A" means "*Biospeleology*". During this year 2001 the whole index of the International Journal of Speleology (from vol. 1 to now) should be available on a web page and possibly the abstracts of the papers included in the last five volumes should also be available on the same page. In order to assure both a continuity and a good scientific level we need at present the submission of a number of papers. Could you please contribute directly or ask some colleague of yours to co-operate to this effort? It is our wish to assure a life to the International Journal of Speleology together with a reliable scientific standard: we succeeded in finding the funds (as you see the price of the journal is incredibly low in comparison to similar scientific publications) but now need GOOD PAPERS!

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Obituary

Anna Petrochilos: The Great Speleologist departed

The Hellenic Speleological Society (H.S.S.), the Greek speleology, the international speleological family are in great mourning.

On the February 13, 2001 departed the Great Greek Speleologist, Anna Petrochilos, after having a full life and having left behind her a work of great size and importance that only the desire of offering to the society and the unselfishness of an honest person could produce.

Being, along with her ever-memorable husband, John Petrochilos, one of the founders of the H.S.S. and its President for many years, he has been internationally distinguished for her multilateral contribution in Greek and international speleological activities. She has been honoured with golden medals by the International Union of Speleology (U.I.S.), by the Academy of Sciences of the Czech Republic and by many other Greek and foreign organizations.

She was awarded by the Academy of Athens for her great work and recently, on the January 17, 2001, she was given the Golden Cross of the Phoenix Battalion by the President of the Greek Democracy, a short after her honourable distinction during the 50th Anniversary of the H.S.S.

Being one of the first Greek mountaineers, climbers and skiers, a pioneer of speleology, she offered her experience and abilities in the exploration of thousands of caves, as well as in the development of all the tourist arranged caves of Greece

She was the first Greek woman that stepped on the highest crests of Olympus and Alpes. She has been up to the 81st degree, in North Pole, and climbed on the highest Greek mountains. She was the first ever to locate skulls of primitives in the "Alepotripa" Cave, a tooth of cave bear at "Peramatos" Cave, cave graffiti, animal fossils, and many more findings of immense scientific importance.

She has published books ("The caves of Greece") and guides concerning the caves, as well as a large number of articles and studies.

The vacuum her departure leaves behind will not be easily filled up. Yet, the enormous work of John and Anna Petrochilos, such as the 8,000 recorded Greek caves, will illuminate the way of young speleologists and will form an example worth imitating.

She bequeathed, by her will, to all Greeks her immobile property for the promotion and development of Greek Speleology.

The Administrative Council
of the Hellenic Speleological Society

SPELEOLOGICAL EVENTS IN 2001-2002

For national events in the U.S.A. see, please, the Calendar in each number of the NSS News, the updated event calendar can be found on the UIS Speleo Calendar at <http://rubens.its.unimelb.edu.au/~pgm/uis/events.html>

I	9 th International Karstological School-Classical Karst, Contact Karst	2001 06.25 - 06.30	Postojna, Slovenia	Karst Res. Inst. SAZU	Karst Research Institute SAZU, Titov trg 2, 6230 Postojna, Slovenia, e-mail: IZRK@ZRC-SAZU.SI
I	13 th International Congress of Speleology + 4 th Speleological Congress of Latin America and Caribbean Countries (CEALC) + 26 th Brazilian Speleological Congress (FEB) pre-Congress program Congress post-Congress program	2001 07.07 - 07.31 07.07 - 07.14 07.15 - 07.22 07.23 - 07.31	Brasilia, DF., Brazil	UIS + FBS	info@speleobrazil2001.org.br www.speleobrazil2001.org.br
I	Conference on Sustainable Development in Karst Regions	2001 08.24 - 08.27	Beijing, P.R. China	The Geological Society of China	Mr. Wang Wei, Miss Wang Yanjun, The Geological Society of China, No. 26 Baiwanzhuang, Beijing 100037, China, T.: ++86-10-68311539, Fax: 0086-10-68311324, e-mail: cagsdic@public.bta.net.cn
I	XXIV Congres Europeen de Subterraneologie	2001 09.07 - 09.09	Laon, France	Service de recherche de s carrieres de la Ville de Laon	Service de recherche de s carrieres de la Ville de Laon, 8, Rue Sérurier, F-02000 Laon, France, t. : 03-23231714, e-mail : webmaster@ville-laon.fr
I	Hidden Earth 2001	2001 09.13 - 09.16		BCRA	e-mail: enquiries@bcra.org.uk http://www.caves.org.uk
I	12 th International Speleotherapy Symposium	2001 09.13 - 09.16	Aggtelek, Hungary	Aggtelek National Park Directorate	Aggtelek National Park Directorate, Tengersizem oldal I, H-3758 Jósavfö, Hungary, t.: ++36-48-350006, e-mail: baradla@yahoo.com ; fee: 40 USD
N-I	11 th National Speleological Congress	2001 09.15 - 09.17	Geneve, Swiss	Section Geneve SSS	Section Geneve de la SSS, c/o M. Jean-Marc Leuba, 6, Chemin de la Nonette, CH-1292 Chambésy, Swiss
N-I	7 th National Congres of Speleology	2001 09.13 - 09.23	Suncuius, Romania	FRS	Mihai Botez, Piata 14 Iulie no. 4, RO-3400 Cluj-Napoca, Romania, t./fax: 0040-64-193254, e-mail: speo@mail.dntcj.ro
I	7 th Conference on Limestone Hydrology and Fissured Media	2001 09.20 - 09.22	Besancon, France	University of Franche-Comte and University of Neuchatel	Pr. Jacques Mudry, EA Strain, Flow, Transfer, Faculty of Sciences, F-25030 Besancon Cedex, France, tel.: +33-3-81665753, Fax: +33-3-81665794, e-mail: jacques.mudry@univ-fcomte.fr
N-I	8 ^o Congreso Espanol de Espeleología	2001 10.12 - 10.14.	Alcalá de Henares, Madrid, Spain	FEE	Federación Madrilená de Espeleología, Estadio de la Comunidad de Madrid, Avda. de Arcentales s/n, E-28020 Madrid, Spain, t.: 91-3203702, fax: 91-3203734, e-mail: fmespeleo@mx3.redestb.es
I	International Show Cave	2001	Pastena,	ISCA	Consorzio Pastena e Collepardo, Via Porta

	Association, International meeting ISCA: New technologies on promotion and management	10.25 - 10.28	Collepardo, Italy (Frosinone)		Napoli 1, 03020 Pastena, Prov. Frosinone, Italy, t.: 0776/546531, fax: 0776/546261, e-mail: consgroutepastcoll@hotmail.com
I	Corchia 2001: rencontre international Odissea nel Corchia	2001 11.01 - 11.04	Pianeta Alpi Apuane, Seravezza, LU, Italy		http://www.corchia2001.org
N-I	1 st Mexican Congress of Speleology Oztomzexica	2001 12.23 - 12.31	Orizaba, Veracruz, Mexico		Guillermo Gonzales, t.: 58.87.26.98 Mexico City, e-mail: espeleo@prodigy.net.mx
I	ALCADI 2002 – 6 th International Symposium on history of Speleology and karstology	2002 04.27 - 05.01	Gorizia, Italy	UIS, SSS, Centro Rich.Cars.C. Seppenhofen	Centro Recherche Carsiche "C. Seppenhofen !, Gorizia, Italy, via Diaz 13, I-34170 Gorizia, Italy, t.: 04-81520537 and 04-81528353, e-mail: maurizio.tavagnutti@metso.com
I	8 th International Symposium on Pseudokarst	2002 June	Vienna, Austria		Karst- und Höhlenkundliche Abteilung, Naturhistorisches Museum Wien, Museumplatz 1/10/1, A-1070 Wien, Austria e-mail: speleo.austria@netway.at

Note: I-International event, R - Regional event, N - National event In the table, we mention only such events, which are announced to the UIS Secretary General, the dead-line for acceptance for the print is **March 15** each year, except years in which the International Congress of Speleology is held (dead-line for winter and spring - February 15, dead-line for summer, autumn and winter - June 15)

IMPORTANT NOTE to all organizers of the speleological events. The use of the name and/or logo of the International Union of Speleology (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).

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Category C	50 USD

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