

International Congress of Speleology
Congrès International de Spéléologie
Internationaler Kongress für Speläologie
Congreso Internacional de Espeleologia
Congresso Internazionale di Speleologia
Международный Спелеологический Конгресс

10.

PROGRAMME



13-20. August 1989.



International Congress of Speleology
Congrès International de Spéléologie
Internationaler Kongress für Speläologie
Congreso Internacional de Espeleologia
Congresso Internazionale di Speleologia
Международный Спелеологический Конгресс

10.

PROGRAMME

13-20. August 1989.

PROTECTOR OF THE CONGRESS
PROTEKTOREN DES KONGRESSES

Dr. MARÓTHY, László
Minister of Environment Protection and Water Management
Minister für Umweltschutz und Wasserwirtschaft

Dr. LÁNG, István
General Secretary of the Hungarian Academy of Sciences
Generalsekretar der Ungarischen Akademie der Wissenschaften

Dr. BIELEK, József
Mayor of Budapest
Bürgermeister von Budapest

Dr. TÓTH, János
General Secretary of the Federation of Technical and Scientific Societies
Generalsekretar des Verbandes der Technischen und Wissenschaftlichen Vereine

ORGANIZER:

VERANSTALTER:

Hungarian Speleological Society
Ungarische Gesellschaft für Karst und Höhlenforschung

CO-ORGANIZER:

MITVERANSTALTER:

Institute of Speleology
of the Ministerium for Environment Protection and Water Management

Institut für Höhlenkunde
des Ministeriums für Umweltschutz und Wasserwirtschaft

Cave Commission of the Hungarian Nature Friends' Association
Höhlenkommission des Ungarischen Naturfreunde Verbandes

Institute of Speleology

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SUPPORTER:
UNTERSTÜTZER:

Környezetvédelmi és Vízgazdálkodási Minisztérium
Magyar Tudományos Akadémia
Magyar Állami Földtani Intézet
Vízgazdálkodási Tudományos Kutató Központ
Magyar Bélyeggyűjtők Országos Szövetsége
Amphora Könnyűbúvár Sport Club
FTSK Delfin Vízalatti Barlangkutató Szakosztály
MHSZ Debreceni Könnyűbúvár Klub
Posseidon Sport Egyesület
Városmajori Sport Club

GENERAL INFORMATION - ALLGEMEINE INFORMATIONEN - ИНФОРМАЦИЯ

All the general informations regarding travel and stay in Hungary are to be found in the pamphlet attached. Enclosed please find also a small map of Hungary. It will hopefully help in getting oriented in the capital and in regards of the sites of the Congress /such as: Congress Center, accomodation, cave tour centers, etc./.

x x x

Das beiliegende Informationsheft beinhaltet Auskünfte über Ungarn sowie allgemeine Reise- und andere Informationen. Der beiliegende kleine Plan zeigt Ungarn und Budapest /Kongresszentrum, Unterkünfte, Höhlentourenzentrum usw./ zur Erleichterung des Verkehrs.

x x x

Прилагаемый сборник содержит информацию о Венгрии, а также общие сведения о путешествиях и прочую информацию. Прилагаются небольшие карты Венгрии и Будапешта, которые помогут ориентироваться в городе и добраться до мест проведения конференции (дворец конгрессов, места проживания, экскурсии и т.д.).

Informations for arrivals:

12th of August from 12 a.m. to 10 p.m. and

13th of August 7 a.m. to 10 p.m.

- at the airports
- at the Nyugati pályaudvar /Railway Station West/
- at the Keleti pályaudvar /Railway Station Ost/
- at the Déli pályaudvar /Railway Station South/
- in the Speleocamp /for local transportation please refer to map sketch attached

organizers will be present - wearing the emblem of the Congress - and will be for your disposal in providing informations, first of all regarding transportation means.

At the same time there will be held information service at the sites of accomodation as well.

x x x

Ankunftsinformationen:

Am 12. August von 12 bis 22 Uhr, sowie

am 13. August von 7 bis 22 Uhr

- an den Flugplätze,
- am Nyugati pályaudvar /Westbahnhof/
- am Keleti pályaudvar /Ostbahnhof/
- am Déli pályaudvar /Südbahnhof/

geben mit dem Emblem des Kongresses versehenen Veranstalter den Ankommenden - in erster Linie verkehrsbedingte - Auskünfte.

Bei den Wohnorten steht für die Ankommenden zu obiger Zeit ebenfalls Informationsdienst zur Verfügung.

Информация о приёме:

12-го августа с 12.00 по 22.00 часов, а также

13-го августа с 07.00 по 22.00 часов

- в аэропорту

- на вокзале "Келет"

- на вокзале "Нюгат"

- в кемпинге (транспорт см. отдельно прилагаемую схему).

Информацию, в первую очередь о транспорте, можно получить у организаторов с эмблемой конференции.

В местах проживания также организована информационная служба в указанное выше время.

Registration, informations on the congress

Registration has to be accomplished in the Congress Center:

12th of August from 12 a.m. to 10 p.m. 17th of August from 7,30 a.m. to 4 p.m.

13th of August from 9 a.m. to 19 p.m. 18th of August from 8 a.m. to 4 p.m.

14th of August from 7,30 a.m. to 6 p.m. 19th of August from 8 a.m. to 4 p.m.

15th of August from 7,30 a.m. to 4 p.m. 20th of August from 8 a.m. to 3 p.m.

Participants of the Pre-excursions /D51, E41, E51/ will be registered before starting at the Student Hostel "Schönherz Zoltán".

x x x

Registrierung, Kongressinformation

Ort der Registrierung ist das Kongresszentrum:

Am 12. August von 12 bis 22 Uhr

Am 17. August von 7,30 bis 16 Uhr

Am 13. August von 9 bis 19 Uhr

Am 18. August von 8 bis 16 Uhr

Am 14. August von 7,30 bis 18 Uhr

Am 19. August von 8 bis 16 Uhr

Am 15. August von 7,30 bis 16 Uhr

Am 20. August von 8 bis 15 Uhr

Die Teilnehmer der Vorexkursionen /D51, E41, E51/ werden vor der Abfahrt im Studentenheim "Schönherz Zoltán" registriert.

x x x

Регистрация, информация о конференции

Место регистрации - дворец конгрессов

12-го августа - с 12.00 по 22.00 часов

13-го августа - с 09.00 по 19.00 часов

14-го августа - с 07.30 по 18.00 часов

15-го августа - с 07.30 по 16.00 часов

17-го августа - с 07.30 по 16.00 часов

18-го августа - с 08.00 по 16.00 часов

19-го августа - с 08.00 по 16.00 часов

20-го августа - с 08.00 по 15.00 часов

Регистрация участников предварительных экскурсий (D51, E41, E51) будет перед отправлением на экскурсию в общежитии им. Шёнхерц Золтан.

Transport, sites of the congress
Verkehr, Orte des Kongresses
Транспорт. Места проведения конференции

Please find the enclosed maps, sketch and table of the transport, which help you to arrive in Budapest, to approach the accommodations and the site of the congress programs. The most important address are the followings:

x x x

Die Ankunft in Budapest, das Erreichen die Unterkunftsorte bzw. die Orte der Kongressveranstaltungen helfen die beiliegende Karten, die Verkehrsscheme und Tabelle. Die wichtigsten Adresse sind die Folgenden:

x x x

Прибытие в Будапешт, ориентацию в Будапеште мы хотим облегчить вам с одной стороны, при помощи уже направленных вам карт, с другой стороны, - с помощью приложенной здесь схемы и таблицы. Ниже сообщаем важнейшие адреса:

Congress Center
Kongresszentrum

Центр конгрессов:

Budapest IX. Dimitrov tér 8.
University of Economy
Universität für Ökonomie
Parking facility for about 60-80 cars in front
of the congress center.
Parkmöglichkeit für ungefähr 60-80 Pkws. vor
dem Kongresszentrum.

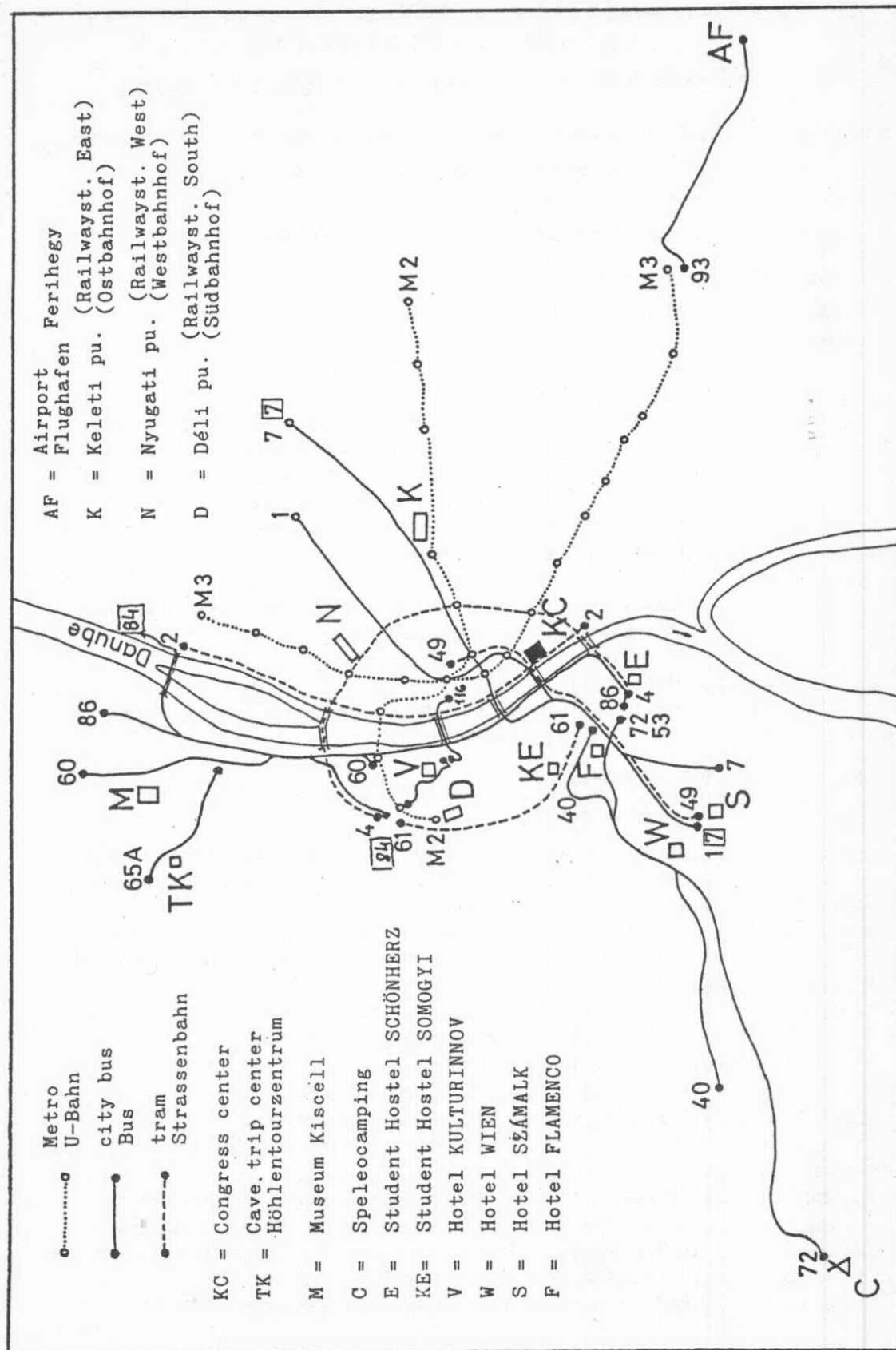
Cave tour center
Höhlentourzentrum

Центр спелеологических
экскурсий:

Budapest II. Szépvölgyi út 162.
Near Cave of Pál-völgy
Bei der Höhle von Pál-völgy
Parking facility for about 50 cars near the
center.
Parkmöglichkeit für ungefähr 50 Pkws. bei dem
Zentrum

Museum Kiscell
Speleocamping FLORA
Student Hostel SCHÖNHERZ
Student Hostel SOMOGYI
Hotel WIEN
Hotel SZÁMALK
Hotel KULTURINNOV /Vár/
Hotel FLAMENCO

Budapest III. Kiscelli utca 108.
Törökbálint, Kazinczy utca 105.
Budapest XI. Irinyi J. utca 42.
Budapest XI. Szüret utca 2-18.
Budapest XI. Budaörsi út 88-90.
Budapest XI. Szakasits Á. út 68.
Budapest I. Szentháromság tér 1-3.
Budapest XI. Tas vezér utca 7.



DETAILED PROGRAMME - DETAILED PROGRAMM

ПОДРОБНАЯ ПРОГРАММА

PLENARY SESSIONS - PLENARSITZUNGEN - ПЛЕНАРНЫЕ ЗАСЕДАНИЯ

August 14. 9³⁰ Opening ceremony of the 10th International Congress of Speleology

Official opening of the Congress by the President of the
Hungarian Speleological Society

Addresses of the members of the Honorary Committee

10⁰⁰ General Assembly of the UIS

Welcoming address from the President of the UIS

Statement of the number of delegations and declaration of
their voting capacity

Addresses

Approval of the minutes of the General Assembly of 1986

Report of the President: activities between 1986-89.

Report of the General Secretary activities between 1986-89,
including the summaries about the activities of the UIS
expert departments and expert committees.

Election of the scrutineers committee

Election of the nomination committee

Introduction of the applicants of the next Congress

Admission of new member-countries

Proposals and motions

Other notices

Additional informations by the Secretary General, about the
organisation of the Congress

August 20. 10⁰⁰ Plenary Session

UIS General Assembly

Report of the Secretary General: future activities of the
expert committees and the authorisation of their presidents
by the General Assembly

Report of the Advisory Staff about motions and decisions

Report of the scrutineers committee and decision about the
abdication of the Bureau

Election: a/ President and vice-presidents of the UIS

b/ General Secretary of the UIS

c/ Further members of the Bureau

for the 1989-93 period.

Inaugural Address of the new President

Voting about the organisation of the 11th International Cong-
ress of Speleology /1993/

Informations about the periods between the international cong-
resses and other events /colloquia, regional congresses/

Other possible additional informations /from the side of the
Organising Committee of the 10th Congress/

Addresses and Closing ceremony of the General Assembly

August 14. 9³⁰ Offizielle Eröffnung des 10. Internationalen Kongress für Spe-
läologie

Die Eröffnung des Präsidentes der Ungarischen Gesellschaft
für Karst- und Höhlenforschung
Begrüssungen von den Protektoren

10⁰⁰ Generalversammlung des UIS

Präsidenteneröffnung
Feststellung der Gesamtzahl und der Wahlfähigkeit der Dele-
gationen
Begrüssungen
Bestätigung des Protokolls der Generalversammlung von 1986
Bericht des Präsidentes über die Aktivität während die Zeit-
periode zwischen 1986-89.
Bericht des Generalsekretärs über die Aktivität während die
Zeitperiode zwischen 1986-89, einschliessend die Zusammen-
fassungen über die Aktivität der Fachsektionen und Fach-
kommissionen des UIS
Wahl der Wahlkommission
Wahl der Designierungskomitee
Die Vorstellung die Kandidaten zur Organisation des nächsten
Kongresses
Aufnahme der neuen Mitgliedländer
Vorlegung der Vorschläge und Anträge
Andere Ankündigungen
Zusätzliche Informationen des Generalsekretärs zur Organisie-
rung des Kongresses

August 20. 10⁰⁰ Plenarsitzung

Generalversammlung des UIS

Bericht des Generalsekretärs über die zukünftige Aktivität
der Fachkommissionen und die Ermächtigung derer Präsidenten
von der Generalversammlung
Bericht des Beratungskörperschaft über die Anträge, Beschlüsse
Bericht der Wahlkommission und der Beschluss über den Abtritt
des Büros
Die Wahl: a/ des Präsidentes und der Vizepräsidenten des UIS
b/ des Generalsekretärs des UIS
c/ andere Mitglieder des Büros
für die Zeitperiode zwischen 1989-93.
Antrittsrede des neuen Präsidentes
Wahl über die Organisation des 11. Internationalen Kongress
für Speläologie /1193/
Informationen über die speläologische Aktivität und Veranstal-
tungen /Kolloquiums, regionale Kongresse/ während der Zeit-
periode zwischen den internationalen Kongresse
Eventuelle zusätzliche Ergänzungen /von dem Generalsekretär
oder von dem Organisationskomitee des 10. Kongresses/
Begrüssungen und die Abschiessung der Generalversammlung

14-го августа

- 09.30 - Торжественное открытие X-го Международного Спелеологического Конгресса
- Открытие конгресса председателем
- Приветствие покровителей
- 10.00 - Заседание МСС
- Открытие конгресса председателем
- Определение числа делегаций и возможности голосования
- Приветствия
- Утверждение протокола Общего годового собрания за 1986 г.
- Отчет председателя о деятельности за 1986-89 гг.
- Отчет генерального секретаря о деятельности за 1986-89 гг., в том числе
- обобщение деятельности секций и специальных комиссий МСС
- Выборы избирательной комиссии
- Выборы комиссии по назначению
- Представление желающих организовать следующий конгресс
- Принятие новых стран-членов
- Представление предложений и инициатив
- Прочие объявления
- Дополнительная информация генерального секретаря по организации конгресса

20-го августа

- 10.00 - Пленарное заседание
- Общее собрание МСС
- Отчет генерального секретаря о будущей деятельности комиссии специалистов и полномочие их председателей
- Отчет Совещательного Органа о предложениях и решениях
- Отчет Избирательной комиссии и решение о выходе Бюро
- Выборы: а. председателя и вице-председателя МСС
- б. генерального секретаря МСС
- в. членов Бюро на период 1989-93 гг.
- Вступительная речь нового председателя

Голосование о проведении XI-го Международного Спелеологического Конгресса (1993 г.)

Информация о деятельности в период между международными конгрессами и про водимых мероприятиях (коллоквиумы, региональные конгрессы)

Возможная дополнительная информация (от генерального секретаря или от оргкомитета X-го Международного Спелеологического Конгресса)

Приветствия и закрытие Общего собрания

SESSIONS - SEKTIONSSITZUNGEN - РАБОТА ПО СЕКЦИЯМ

- A1 Cave formation through thermal water activity
Höhlenbildung unter Mitwirkung von Thermalwässern
Образование пещер при участии термальных вод
- A2 The karst water cycle and its role in cave evolution
Die Karstwasserzirkulation und ihre Rolle bei der Höhlenentstehung
Движение карстовых вод и их роль в образовании пещер
- A3 Genetic of cave concretions/formations
Die Genese der Sinterbildungen
Форма пещер как индикатор условий их образования
- A4 Surface features and their relations to the caves
Beziehungen zwischen Oberflächenformen und Höhlen
Поверхностные и карстовые формы и их связь с условиями образования пещер
- A5 Paleokarst and their evolution
Der Palokarst und seine Entwicklung
Абсолютное и относительное датирование пещер
- A6 Relative and absolute dating of cave deposits
Relative und absolute Datierung von Höhlensedimenten
Палеоскарст и его развитие
- A7 Regional speleological phenomena
Regionale Speläologie
Региональные закономерности спелеогенеза

- B1 Caves and the environmental pollution
Höhlen und Naturschutz
Пещеры и охрана природы
- B2 Utilization of karst aquifers with special regard to their pollution
Die Nutzung der Karstwasserreserven, unter Berücksichtigung möglicher Wasserverschmutzung
Использование карстовых резервуаров, учитывая их загрязненность
- B3 Cave climate and curative effect
Klima und Heilwirkung der Höhlen
Климат пещер и спелеотерапия
- B4 Techniques of cave exploration and touring
Technik der Höhlenforschung und Höhlensport
Разведка пещер и техника лазания по пещерам
- B5 Impact of cave tours on cave conditions
Auswirkungen des Höhlenbesuchs auf den Zustand der Höhlen
Влияние экскурсий на состояние пещер
- B6 Documentation of caves
Dokumentation der Höhlen
Документация пещер
- B7 Human activities and the cave biota
Höhlenfauna und Einflüsse des Menschen
Влияние деятельности человека на животный мир пещер
- B8 Prehistoric man and the caves
Prähistorischer Mensch und Höhlen
Доисторический человек и пещеры
- B9 Problems of protection of show caves
Schutz der Schauhöhlen
Вопросы защиты туристических пещер
- B10 Problems of subaquatic cave exploration
Probleme der Unterwasserhöhlenforschung
Проблемы исследования подводных пещер
- B11 Paleoflora and paleofauna
Paläozoologie und Paläobotanik in Höhlen
Палеоботаника и палеозоология пещер

August 14

Section B 2

Chairman: RADAI, Odón

13⁰⁰

- 1 YUAN, Daoxian:
Speleology and underground reservoirs
- 2 WHITE, Elizabeth L. - WHITE, William B.:
Storm Water Management in Karst Areas
- 3 RADAI, Odón:
Tropical Karstic Areas Hydrological and Hydro-geological Exploration by Aerospace Methods
- 4 ISAEV, Vyatcheslav:
Kompleksnie karstologo-speleologicheskie issledovaniya Voroncovskoy sistemi pescher
- 5 KLIMCHOUK, Alexander - AKSEM, Sergej - SHESTOPALOV, Vjacheslav:
Gypsum solution rate in karst regions of Western Ukrain under natural conditions and under impact of industrial activity
- 6 DE IPIÑA, Jesus Maria L.Z.:
Contribution to study of ground-water pollution in the Apodaca Karstic Aquifer (Basque Country, Northern Spain)
- 7 MENICHETTI, Marco:
Underground hydrogeology of Monte Cucco karst system in Central Italy
- 8 GADERNAYR, Wolfgang:
Wasser für Salzburg

Section B 3

Chairman: HORVATH, Tibor

13⁰⁰

- 1 GADOROS, Miklós:
Physical system of speleoclimate
- 2 TSIKARISHVILI, K.D.:
Speleoclimate and its practical importance in the national economy (in Russian)

- 3 KERDO, Péter - HOLL, Balázs:
Analysis of air flow and differential pressure data records from the Vass Imre cave
- 4 GADOROS, Miklós:
Közvetlen légnyomáskülönbség mérés
- 5 HAKL, József - LENART, László - SOMOGYI, György:
Time integrated radon measurements performed in a karstic well water
- 6 HUNYADI, Ilona - HAKL, József:
Historical review of one decade radon measurements in Hungarian caves performed by solid state nuclear track detection technique
- 7 GUNN, John - FLETCHER, Stan - PRINE, David:
Radon daughter concentrations in British Caves: Implications for cavers & tourist cave operators
- 8 LENART, László - SOMOGYI, György - HAKL, József - HUNYADI, Ilona:
Radon mapping in caves of Eastern Bükk region
- 9 GECZY, Gábor - CSIGE, István - SOMOGYI, György:
Air circulation in caves traced by natural radon
- 10 GADOROS, Miklós:
A barlangi ionizáció rendszere
- 11 TARDY, János - HIROS, László:
The aeroion-concentration of caves based on continuous measurements
- 12 TARDY, János:
A complex study of the environmental impacts in Budapest's caves with particular respects to special climatic tests and the possibilities of med.
- 13 KABASHNYUK, V. - BOBYLEV, A. - KOROBKA, K.:
The influence of the cavern microclimate with various CO₂ content on the physiological systems and man's capacity for work (in Russian)
- 14 KLIMCHOUK, Alexander:
Genesis of carbon dioxide in air of Ukrainian caves
- 15 VEGH, Zsolt:
Characterization of the climate of Baradla cave with measuring its carbon dioxide content systematically

Aug. 14

- 16 RUSDEA, Evelyn:
Topoclimatic research in the Eggerloch cave
(Carinthia, Austria)

Section B 5

Chairman: GURNEE, Russel

13⁰⁰

- 1 KOVACS, Hajnal:
Paradoxical consequences of the impact between
man and cave
- 2 CRAVEN, Stephen A.:
The Congo Caves of South Africa: has government
control been beneficial?
- 3 HARDWICK, Paul - GUNN, John:
Cave management and conservation in Britain:
An historical overview
- 4 HOLLAND, Ernst:
Away with the wire
- 5 FRANTZ, Peri:
Caves, conservation and children
- 6 ADAMKO, Péter:
József-hegyi-barlang és az azt károsító hatások
- 7 BOWILLA SERRANO, Juan-Antonio:
Ficha técnica y de control degradación
de Cavidades

Section B 9

Chairman: HADE, France

15³⁰

- 1 PETRESCU, Mircea:
Cave protection - a theoretical approach
- 2 BACHINSKIY, Georgy:
Cave protection and social ecology
(in Russian)

- 3 SZUNTOGH, Gábor:
Hierarchical system of cave fractures and its
role in the prediction of cave-in hazards
(in Russian)

- 4 KORZHIK, Vitaly - MINKEVICH, Irene:
On speleoresources approach to study, mastering
and protection of caves
(in Russian)

- 5 GAAL, Ludovit:
Several remarks on the protection of karst based
on the experience gained by the Slovak Speleolo-
gical Society

- 6 KORZHIK, V.P. - RIDOUSH, B.T.:
A "Fresh" cave "Zoloushka" assimilation problems
(in Russian)

- 7 T. BOLNER, Katalin - TARDY, János -
NEMEDI, László:
Evaluation of the environmental impacts in Buda-
pest's caves on the basis of the study of the
quality of dripping waters

Section B 10

Chairman: PISKULA, Frantisek Tomas

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- 1 PRACHON, Jean-Claude:
Aperçu historique sur la plongée souterraine
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- 2 MAXWELL, Charles:
Underwater exploration of Dragon's Breath Lake
(1987)

- 3 PISKULA, Frantisek:
Suggested cave diving safety recommendations

- 4 PISKULA, Frantisek:
Suggested cave diving training standards

- 5 PISKULA, Michal:
Cave diving rescue in Czech Speleological Society

- 6 KISSELJOV, Vladimir - MINIKOV, Peter:
Cave diving explorations of deep karst systems

Section B 11

Chairman: JÁNOSSY, Dénes

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- 1 MARTINEZ FLOREZ, Julio:
Preliminary investigation of osseous remains found
in the middle quaternary in the cavern of Santa
Engracia - La Rioja (Spain)

- 2 HIR, János:
Oldenburg-type vertebrate fauna from the Pongor
cave (North Hungary, Bükk Mountains)
- 3 GÁRBY, B.L.:
Maastricht mesosaurus remains from the caves round
the town of Pleven

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Section A 1

Chairman: MÜLLER, Pál

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- 1 DUBLYANSKY, Yuri:
The main principles of development and the diag-
nostic criteria of a carbonate hydrothermal karst
- 2 FORD, Derek:
Stable isotope studies of subaqueous calcite
deposits from thermal water caves
- 3 BUCK, Marcus J.:
C/O isotopic composition of subaqueous calcite
spar deposits in Guadalupe caves, New Mexico -
implications for a thermal water genesis
- 4 VENT, George:
Hydrology and geochemistry of a large thermal
karst spring, Grutas de Tolantongo, Hidalgo,
Mexico
- 5 CSER, Ferenc:
Calculations on the formation of wholes by
corrosion
- 6 SZUNYOGH, Gábor:
The theoretical investigation of the origin of
spherical caverns of thermal origin (second
approach)
- 7 JIN, Yuzhang - ZHANG, Shouyue:
Corrosive test under abnormal temperature and
pressure

- 8 SILVESTRU, Emil:
Hydrothermally-generated karst in Romania
- 9 TAKÁCSNÉ BOLNER, Katalin:
Regional and special genetic marks in the cave of
Pál-völgy, the largest cave of thermalkarstic
origin in Hungary
- 10 LIEBK, Pál:
Thermalkarst-systems in Hungary - Exploration and
problems thereof
- 11 MALTSHEV, V.A. - MALISHEVSKY, D.I.:
About the hydrothermal stage on the later part
of evolution of the Cupp-Coutunn cave system
- 12 SCOKA, Julius - RODA, Stefan jun. -
RAJMAN, Ladislav - RODA, Stefan:
Ein Thermodynamisches Modell Vertikaler Höhlen
vom Typ "Aven"
- 13 DZULINSKY, Stanislaw - SASS-GUSTKIEWICZ, Maria:
Paleophreatic hydrothermal karst structures in
Zn-Pb sulfide deposits

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- 14 GALDENZI, Sandro - MENICETTI, Marco:
Space time evolution of the underground karst
system in the Umbria Marche Apennines in Central
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- 15 BUCK, Marcus:
Reinterpretation of primary gypsum deposits in
Guadalupe Caves, New Mexico

- 16 DEAK, József:
Dating the karst thermal waters in the Eger area
- 17 ISSAR, A.:
Hydrothermal Karst in the Deserts of Israel
- 18 RUDNICKI, Jan:
Relation between natural convection and cave
formation in hydrothermal karst

Section B 1

Chairman: TRIMMEL, Hubert

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- 1 ABRAMOV, I.P. - IVANTCHENKO, V.G.:
Speciality of karst and cavern ecology of the
Altai
(in Russian)
- 2 HARDWICK, Paul - GUNN, John:
The impact of agricultural operations on British
caves
- 3 SCHROEDER, Jacques:
L'aménagement des grottes au Québec
- 4 ANDRAITCHUK, Vjatcheslav:
Antropogenic factors and development of
Kungurskaja-cave
- 5 KORNATCHEV, Yuriy N.:
Ekologicheskie problemi samodeyatelnoy speleologii
i perspektivi mezhdunarodnogo sotrudnichestva
- 6 DEVAL, György - KOVÁTS, Nóra:
Purposes and necessity of grid mapping
- 7 BALIAN, Sogomon - VANIAN, R. A.:
On the usage of the karst cave of Archeri,
the first one in Armenia
- 8 HUPPERT, George N. - THORNE, Janet B.:
Federal cave protection in the United States:
the Federal Cave Resources Protection act of 1988
- 9 KORNATCHEV, Yuriy N.:
Perspektivi razvitiya turistijskih pescher v Krae
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- 10 LUKININ, Valeriy F.:
Samodeyatelnaya speleologiya i ee prikladnoe
znachenie dlya gosudarstva

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- 17 HALA, József:
Ethnomedical applications of dripstone in the
Carpathian basin
- 18 HORVATH, Tibor:
Evaluation of the role speleoclimate in the human
therapy. Difficulties. open questions
- 19 TOROCSIK, István:
Barlangi mikroklíma hatása az emberi szervezetre
- 20 RICHY, Prahoslav:
The influence of speleotherapy upon Eosinophilia
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A control study
- 21 MUCSI, János - HORVATH, Tibor:
Care of asthmatic children in the Hospital cave
in Tapolca
- 22 TOROKHTIN, Mihail:
Speleoterapiya i ee perspektivi razvitiya
- 23 TOROKHTIN, Alexander:
Speleotherapy and prospects of its development
- 24 TOROKHTIN, Alexander:
Speleotherapy of patients suffering from asthma
bronchiale concomitant with cardiovascular
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- 25 GORBENKO, P.P. - GORBENKO, V.P. -
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with prolonged stay of speleologist in Podolya
karst caves (in Russian)
- 26 GORBENKO, V.P. - TOROKHTIN, M.D. -
POVSTYANOV, N.E. - LEMKO, I.S. -
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Influence of the aseptic microclimate of salt
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(in Russian)
- 27 GORBENKO, V.P. - TOROKHTIN, M.D. -
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The effect of aseptic microclimate of saltmines
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- 28 LEMKO, Ivan:
Asthma bronchiale speleotherapy in Solotvino
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- 29 LEMKO, Olga:
Bronchitis chronica speleotherapy peculiarities
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- 30 PALFFY, Béla:
A parajdi sóbányakúra hatásai a hőrgi reaktivitás-
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- 31 GRIGOROPOL, Fedon:
Traitement de l'asthme bronchique dans la mine de
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- 32 GRIGOROPOL, Fedon:
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- 33 TUEV, A.V. - VERIKHOVA, L.A. -
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- 34 KRASNOSTEIN, Arkadiy K.:
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- 35 GORBARENKO, Natalya:
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- 36 USHVERIDZE, G.A.:
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- 37 TARKHIVISHVILI, I.D.:
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- 38 CHIKVASHVILI, G.A.:
Karst cave microclimate immunocorrection effect
(in Russian)
- 39 KHATIASHVILI, N.M.:
Karst cave microclimate effect on lipid metabolism
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- 40 SEPIASHVILI, R.I. - DOWADZE, D.S.:
Speleotherapy role in rehabilitation of patients
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- 41 SULAVA, N.G.:
Izmenenie nekaterykh chemodinicheskikh EKG pokazate-
ley i bolnih bronhialnoy astmy vliyaniem mikro-
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- 42 PETROV, I. - NIKOLOVA-BONEVA, A. -
BOSHEV, N.:
Circadian biorythm of four participants in a
30-day cave isolation
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- 43 PETROV, I. - KOSTOV, D.:
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and the socializing in speleology from the early
childhood and adolescence (in Russian)
- 44 PETROV, I. - NIKOLOVA-BONEVA, A. -
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Vision changes of four speleologists following
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- 45 KRUSTEV, K. - DJAROVA, T. -
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Attempt for assessment of exhaustion degree and
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- 46 KRUSTEV, K. - BOJANOV, K. -
DJAROVA, T. - MATEEV, G.:
Comparative study of the adaptation to extreme
conditions of a cave mountaineering
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- 47 KRUSTEV, K. - DJAROVA, T. -
MATEEV, G.:
The character of quick adaptation of the body
at extreme cave conditions
(in Russian)
- 48 BUDAVARY, Agota - GRYNABUS, Tamás:
Results of electroencephalographic (EEG) and
psychological examinations of cave explorers
- 49 LYACH, V. - CHONKA, J.:
Distance results of speleotherapy on the patients
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- 50 SIMIONKA, J.:
Concentration of microorganisms in speleobiotop
of salt mine and karst cave perspective for
speleotherapy (in Russian)

- 51 SIMIONKA, J. - POP, I. -
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SIMIONKA, M.:
Some aspects of resistance patients organism with
chronic illness of respiratory system in conditions
of salt mine (in Russian)
- 52 CHONKA, J.:
Clinical affectivity of microclimate treatment
of salt mine
(in Russian)
- 53 CHONKA, J. - SIMIONKA, J. -
POTING, D.:
Dynamics of microclimate parameters of speleo-
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- 54 TERNUSKIY, Vasilii:
Nekotore istoricheskie aspekti speleoterapii
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Section B 4

Chairman: McCLURG, David

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- 1 McCLURG, David:
Proposed standards for caving equipment and
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- 2 VANDENVINNE, Roger:
Localisation Electromagnetique en Surface de Deux
Grottes de Belgique
- 3 SMETKOV, Ugeniy:
Single steel rope technique
- 4 MATOS, Paul Iuliu:
Sport and training in caving
- 5 FICSOR, Lajos - MAJOROS, Zsuzsanna -
PETHO, Gabor:
VLF method for surveying caves

- 6 KARDOS, László:
Nemzetközi expedíciók szervezése (1985-86)
- 7 VJATCHIN, Andrej - REZVAN, Vladimir:
Thirty years of soviet caving
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- 8 NOVIKOV, Viktor:
Sportivnoe osvroyenie pescher v SSSR
- 9 MIHEVC, Andrej:
The remains of gears of the first explorers of
Skocjanske Jame and Kacna Jama
- 10 CONSIGLI, Sergio:
Scuola nazionale di speleologia Club Alpino
Italiano
- 11 DUBEVEC, Albin:
Skocjan caves tourism development
- 12 SERAFIMOV, K.B.:
The felling energy dampers prospecting for
improving the safety of cave exploration
- 13 GREBEVDE, Richard:
Affinement des techniques speleos-alpines en
expedition lointaine ultra-legere
- 14 BIZUKIN, A.V. - NEMCHENKO, T.A. -
USIKOV, D.A.:
Research Sneznaja cave
- 15 MELNIKOV, Viktor P.:
Konceptiya razvitiya samodeyatelnoy speleologii
i perspektivi mezhdunarodnogo sotrudnichestva
kluba
- 16 MELNIKOV, Viktor P.:
Opit organizacii razvedochnih ekspedicii i ocenka
perspektiv mezhdunarodnih ekspedicii
- 17 PLOTNIKOV, Vladimir N.:
Sportivno-tehnicheskaya podgotovka speleologov
- 18 PLOTNIKOV, Vladimir N.:
Pescheri Krasnoyarskogo kraia i opit proholideniya
pescher Nakra. Forelnaya. Studencheskaya

Section B 6

Chairman: LALKOVIC, Marcel

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- 1 TULIS, Ján:
A representation of complicated caves systems
(on an example of Stratsenska cave)
(in Russian)
- 2 VERESS, Márton - PENTEK, Kálmán:
Kartographic representation of the extension of
karstification
- 3 SZUNYOGH, Gábor:
Háromdimenziós barlangi térmodellek készítésének
módszere
- 4 SCHONE, Tilo:
Genauigkeit von Höhlenplänen
- 5 JANCARIK, Antonín:
Computer processing and speleological and
geological maps
- 6 VERESS, Márton - FUTO, János:
Experiences of mapping of eroding karst cavities
which were formed in current karst water zone
- 7 HARDWICK, Paul - GUNN, John:
The limestone cave resources of Great Britain
- 8 TRANTEREV, Martin Petrov:
Dokumentacii bolgarskih pescher
- 9 BOSTED, Peter E. - TINSLEY, John C.:
Documentation of caves and karst in Redwood Canyon
Kings Canyon National Park, California, USA, with
applications to sinkhole sedimentation
- 10 STUMMER, Günter:
EDV-gestütztes Höhlenverzeichnis in Österreich
- 11 KUCERA, Bohumil:
System of registration of caves in the Czech
Socialist Republic *desorad*
- 12 WANG, Xunyi:
The longest Karst caves in China
- 13 RONGE, Eric:
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- 14 BENEDETTO, Carlos:
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Consideraciones museográficas y proteccionistas

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- 15 URBANI, Franco:
The Usage of the Terms Karst, Pseudokarst and
Parakarst
- 16 PAS, van der, J.P.:
Speleophilately
- 17 VUKOV, Péter:
Der Esperanto in der Speleologie
- 18 SZÉKELY, Kinga - WOJCIK, Zbigniew: *Elmored!*
Problems of history of geology
- 19 MAIS, Karl:
Spelodok-Austria, das Dokumentationssystem der
Karst- und höhlenkundl. Abt. des Naturhist. Muse-
ums in Wien und des Verbandes Ost. Höhlenforscher
- 20 SZÉKELY, Kinga:
System of registration of caves in Hungary
- 21 SERAFIMOV, K.B.:
Sport- technical description of vertical routes
- 22 GRUBBEUDE, Richard:
Resultats de 9 campagnes belges d'exploration
speleologique dans le karst du bassin de Zongolica
au Mexique 1980-89
- 23 WARILD, Alan:
An Australian Topofil
- 24 BONWICK, Mark Henry:
Applications of new technologies in radio
direction finding
- 25 LENART, László:
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containing cavemotives
- 26 DOBRICHNEV, Mladen:
Computer-aided description of caves, based on
conventional measurement

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Chairman: PULINA, Marian

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- 1 RADAI, Odón:
Aerospace data and karst exploration - exploitation
- 2 GIGIMBISHVILI, Givi - JISHKARIANI, Jumber:
Intensive atmospheric precipitations and formation of high floods in Tskhaltubo cave system (in Russian)
- 3 MAUCHA, László:
Climatic cumulative method for estimating infiltration in karst areas
- 4 DE IPIÑA, Jesus Maria LZ. - PINEDO, Roberto:
Features and hidrologic running of the karst in Sierra Salvada (Alava, Burgos, Vizcaya, North Spain)
- 5 MAUCHA, László:
Estimation of infiltration in karst areas as related to climate
- 6 ZHAPARKHANOV, S. Zh.:
Fissured karst waters of Central Kazakhstan
- 7 CRAWFORD, Scott:
The hydrological behaviour of a high flooding frequency karst system in New Zealand
- 8 DUBLYANSEY, Viktor - MILJUCHIKIN, Andrei - REZVAN, Vladimir - SHULIK, Natalia - SHLAKOVA, Larisa:
Some peculiarities of vadose Mozhista regime (in Russian)
- 9 LAURITZEN, Stein-Erik:
Scalloped dominant discharge
- 10 OVSTEDAL, Jarl - LAURITZEN, Stein-Erik:
The Sirijska Karst Aquifer, Nordland, Northern Norway
- 11 LUND, Cecilie - BRASO, Adolfo:
The endogenic drainage at the karst area of Glondalen, Melfjord-Uthyggingen, the prediction method and its results

- 12 KIKNADZE, Tamaz:
Dynamic properties of karst waters and the part they play in the speleogenesis of mountainous countries (in Russian)
- 13 FORD, Derek:
Morphological classification of dissolutional cave systems
- 14 JAMES, J.M. - ROGERS, P. - SPATE, A.P.:
Speleogenesis of the caves of the Nullarbor Plain, Australia
- 15 PULINA, Marian:
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- 16 GARASIC, Mladen:
New concept of the morphogenesis and hydrogeology of the speleological objects in karst area in Croatia (Yugoslavia)
- 17 DREYBRODT, Wolfgang:
Karst development in its initial state: a model of speleogenesis
- 18 OGDEN, Albert E. - COLLAR, Paul D.:
Theoretical Considerations for the Origin of Edwards Aquifer Caves in the Balcones Fault Zone, Texas, USA
- 19 GUNN, John - WALTERS, Iestyn D. - WILCOCK, John D.:
Predicting the response to recharge of partially instrumented aquifers: towards an adaptive heuristic model
- 20 CSEREGI, A. - LORBERER, A.:
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- 21 CIGNA, Arrigo A.:
Underground water dating by tritium measurements
- 22 GAJDOS, László - CSOLLE, Edit - SZILAGYI, Ferenc:
Radioisotopindikation in der Strecke zwischen dem Minerva-Wasserschlinger und der Jósza-Quellengruppe im Baradla-Höhlsystem

- 23 DÖNÖS, György - SZILAGYI, Ferenc:
Hydrographische Zusammenhänge im Einzugsgebiet
des Baradla-Höhlensystems Aggtelek-Ungarn
- 24 KLIMCHOUK, Alexander - JABLOKOVA, Nataly:
Evidence of hydrogeological significance of
subsurface zone from study of oxygen isotope
composition of water (Arabica Massif, W.Caucasus)
- 25 IZAPY, Gábor - MAUCHA, László:
Subsurface water chemical matter - transportation
values of karstic areas in Hungary
- 26 STANKOVA, Elena - VELIKOV, Borislav:
Hydrochemical investigations of cave waters in
the mid Rhodope Mountains, Bulgaria
(in Russian)

Section A 4

Chairman: WHITE, Elizabeth

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- 1 SZENTES, George:
Evolution of tropical karst and caves in the Red
River Delta region
- 2 WHITE, William B. - WHITE, Elizabeth:
Evolution of the Plateau Margin Karst of
Tennessee and Alabama, USA
- 3 MUCKE, Dieter:
Fortschritte bei der genetischen Interpretation
des Sulfatkarstes im Thüringer Becken (DDR)
- 4 MIURA, Hajime:
Surface features and their relations to the caves
in the Akiyoshi plateau in Japan
- 5 ARAKAWA, Tatsuhiko - OSHIRO, Naoki -
IGAWA, Hiroyuki:
The developments of Limestone Ramparts and
Limestone Walls in the Ryukyu Islands, Japan
- 6 SWEET, Geraldine:
Karst pavements, depressions and cave development
in the Interlake Area of Manitoba; a random rela-
tionship?
- 7 NOVOTNY, Ladislav:
Tertiary cave levels and denuded surfaces in the
Slovak Paradise (in Russian)
- 8 MUCSI, László:
The connection between the different soil-types
and the seeping water system in the cave Hajnóczy
- 9 LYSENKO, Vladimir:
Linear tectonics as factor of karstification
- 10 HARASIMUK, Marian:
Structural control of karst forms on the Lublin
Upland (E.Poland)
- 11 MENICHETTI, Marco:
Tectonic control in the genesis and the evolution
of karstic systems in Central Apennines Italy
- 12 KATAYEV, Valeriy:
The influence of the structural plan on the
distribution of underground karst forms
- 13 HAMILTON, James:
Geology-geomorphology of the lower devonian bear
rock formation karst, Norman Region, N.W.T.,
Canada
- 14 SMITH, D.I. - GREENAWAY, M.A. -
SPATE, A.P.:
Absolute measurement of surface limestone
erosion in Australia
- 15 LUNDBERG, Joyce:
Dolomite pavements in N.W.T., Canada
- 16 STENSON, Ronald:
Submerged dolomitic karren in Fresh Water Lakes
- 17 BARANY-KEVEI, Ilona:
Investigation of karst soil of dolinas in Bükk and
Aggtelek-Mountains in Hungary
- 18 HUGLOVA, Penka - STOEV, Alexey:
Linear egouttatic hollows-genesis, evolution and
practical means in the speleoclimatology
- 19 SASOWSKY, Ira D. - WHITE, William B. -
MEDVILLE, Douglas M.:
The remarkably constant longitudinal profile of
Toothpick stream, Friars Hole cave system,
West Wirginia, U.S.A.
- 20 ZHU, Xuewen:
The Nianshan - Type karst in West China

- 21 LAURITZEN, Stein-Erik:
Shear, tension or both - a critical view on the prediction potential for caves
- 22 SCHROEDER, Jacques:
Karsts et glaciations dans l'est Canadien
- 23 LUND, Cecilie - ERASO, Adolfo:
Karst research in the Melfjord project in Arctic Norway
- 24 GAMS, Ivan:
International measurements of solution by means of limestone tablets
- 25 ERASO ROMERO, Adolfo - de LIMA, Marcelo Taylor:
The Itacolomi quartzite karst, Minas Gerais, Brazil: application of the underground drainage direction prediction method
- 26 ZAMBO, László - MICZEN, György:
Karst chemical characteristics of infiltrating water in karstic soils according to the corrosion capacity on covered limestone
- 27 PALOC, Henri:
Karst superficiel et karst profond: problème de leur relation
- 28 KIRPILEV, A.A. - ZAKOPTILOV, Valery:
Prediction of accelerated karst process zones using remote sensing
- 29 KEVEINE BARANY, Ilona - MUCSI, László:
Einige Angaben zur Charakterisierung der Lösungsdolinen in Ungarn
- 30 ZAKOPTILOV, Valery - DERGACHEV, Sergey:
Studies of chalk paleokarst development using database "Karst"
- 3 PIROS, Olga - GYURICZA, György:
The lithological structure of cave Baradla in Aggtelek and of its environment
- 4 VINCZE, Zoltán:
A Körösfői karsztvidék
- 5 TASLER, Radko - HAVLICEK, David:
New discoveries in Vecná Labuz cave (Julian Alps, Yugoslavia)
- 6 COCEAN, Pompei:
Types of karstic systems in the Apuseni Mountains
- 7 TULUCAN, Tiberiu:
Genetic classification of the endo-volcano-karst phenomena from Romania. Aspects of their distribution in Carpathians range
- 8 GARASIC, Mladen:
The latest research of speleological objects in Dinaric Karst area (Yugoslavia) from the geological point of view
- 9 ANDRAITCHUK, V. - LUKHIN, V.:
Large sink in the Ural
- 10 SCHROEDER, Iain:
Some Caves in silicious rocks in Norway
- 11 GUNN, John - GUNAY, Gultekin:
Caves of the Koprucay River Basin & Vicinity, Southern Turkey
- 12 PICCINI, Leonardo - PRANZINI, Giovanni:
Karst of the Apuan Alps
Initial hypotheses on their origin and development

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Section A 7

Chairman: BALAZS, Dénes

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- 1 ESZTERHAS, István:
Infolge der Denudation der Basaltplateaus
Entstandene Pseudokarst-Erscheinungen und Höhlen
- 2 KARDOS, László:
The cave of Kálmán-rét (Kálmán clearing)

- 13 FORTI, P. - MICHELI, L. -
PICCINI, L. - PRANZINI, G. -
SASSOLI, U. - TREVISANI, M.:
The study of karst regions in Tuscany
- 14 RUGGERI, Rosario:
Fenomeni carsici nel territorio di pachino
(sicilia sud-orientale)
- 15 DEMEK, Jaromir:
Periglacial processes in karst regions
- 16 KUCERA, Bohumil:
Development of caves in Bohemian karst

- 17 SJOBERG, Rabbe:
Weathering studies on pseudokarst-caves along the
northern Swedish Coast
- 18 DE SWART, Herman:
Karst in the Netherlands
- 19 KARAKOSTANOGLOU, Iakovos:
Some remarks on the genesis and geography of
static ice-shafts
- 20 KACHKOVSKIY, Igor:
North Vietnamese karst
- 21 KIENADZE, Tamaz:
Speleogenesis in the Great Caucasus
- 22 TINILLOZOV, Zurab - KIPIANI, Shalva -
TSIKARISHVILI, Kukuri:
Climate and speleogenetic in mountains
(The Great Caucasus as an example)
23. RAYCHEVA, Yovka:
Cave geology of the Arda River basin, Bulgaria
- 24 RAICHEV, George:
Some considerations on the geomorphological
development of the triangular cave in the west
Rhodope Mountains, based on sedimentation analysis
- 25 CONSTANTIN, Silviu:
Karstogenetic phases in the evolution of Banat
Area (Romania)
- 4 RAKOSY-TICAN, Lenuta - GRUIA, Lucian -
PLANADA, Emanuel:
Data on the lamp flora affecting the Ursilor Cave
at Chiscu
- 5 RAJCZY, M. - BUCZKO, K.:
The development of the vegetation in lamp-lit
areas of the cave Szeamlő-hegyi-barlang,
Budapest, Hungary
- 6 RAKOSY-TICAN, Lenuta - MOMBU, Laura -
LORINCZI, Francisc:
Investigations on the microflora in the Vadu
Crisului Cave (Padurea Craiului Mts.) - Romania
- 7 PRIDE, Thomas E. - OGDEN, Albert E. -
HARVEY, Michael J.:
Biology and water quality of caves receiving
urban runoff in Cookeville, Tennessee, USA
- 8 PROUDLOVE, Graham:
Cave dwelling fishes of the world
- 9 ZALESKAJA, Nadezhda T.:
On the progress in Soviet biospeleology in the 80s
- 10 MIOUGE, Nikolai:
Communities of troglotic invertebrates in the
caves of the West Transcaucasus and the
Mountainous Crimea
- 11 BERNASCONI, Reno:
Thoughts about the Hydrobioida fauna of Hungary
- 12 HOLSINGER, John R.:
Preliminary zoogeographic analysis of five groups
of crustaceans from Anchieline caves in the West
Indian region
- 13 FERNOLLENDT, Marius - VIRAG, János -
RADU, Ioan - PINTEA, Tamás:
Biological considerations concerning the
fluorescein dyeing of carstic waters
- 14 TRAJANO, Eleonora:
Preliminary study on the chemical communication
in the troglotic catfish, *Pimelodella kronei*
(Ribeiro, 1907) from Southeastern Brazil
- 15 PERELADOV, Michail:
Some aspects of distribution of fishes in the
subaquatic caves near Kogitang-Yau Mountains

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Chairman: RAJCZY, Miklós

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- 1 VEGH, Zsolt:
The problem of the lampflora in Baradla Cave
- 2 GRUIA, Lucian:
The algal flora in Pestera Muierilor
(District Gorj - Romania)
- 3 GRUIA, Lucian:
Radiosynthesis - a new hypothesis on cave algae
autotrophy

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- 16 RAITSCHEV, Ivan M.:
Studies on Rove Beetles (Coleoptera, Staphylinidae) in the caves in Bulgaria
- 17 GAREV, B.L.:
Results of the cave fauna studies effected by an amateur biospeleological group from Pleven (in Russian)
- 18 KOSEL, Vladimir - MARTINEV, Vladislav:
Summer synusie and distribution of the family Heleomyzidae (Insecta, Diptera) in a cave of the western Carpathians
- 19 YAGER, Jill:
The reproduction of Remipeds Crustaceans
- 20 HIOUGH, Nikolaj:
Biospeleological map of Mountainous Crimea and West Transcaucasus
- 21 PALACIOS-VARGAS, Jose G.:
New records of Cave Collembola from the neotropical region and notes on their origin and distribution
- 22 FERGUSON, Lynn:
Taxonomy and distribution of the Eumesocampa (Diplura: Campodeidae) of North America
- 23 DELTSHEV, Christo:
Conservancy problems on the fauna in Bulgarian caves
- 24 COINNEAU, Nicole:
Progenesis as a processus of evolution in intoofilial Coustaceans
- 25 KOVATS, Nóra:
How do bats respond to environmental factors?
- 26 T.BOLNER, Katalin:
Results of bat-registration works in the cave of Pál-völgy
- 27 GABALDON CASASAYAS, Jesús E.:
Aspectos topoclimáticos de la cova del masiet (Mont-ral: Tarragona) versus comportamiento estacional de petaloptila aliena Brunner
- 28 KANDOV, Ivo:
Research of food structure of Chiroptera inhabiting caves with regard to their economic significance
- 29 KNISS, V.A.:
About the cave fauna of the South Urals (the results of a ten year biospeleological research (in Russian)
- 30 GNASPINI NETTO, Pedro:
Fauna associated with bat guano deposits from brazilian caves (a comparison:-
- 31 LEWART, László - BALLA, Béláné:
On the fluctuation of the number of the bats living in the Létrási-Vizes Cave (Bükk Mountains, Hungary) during the years 1975-1989

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- 27 VENTI, George:
Geochemical evolution of a cave stream
- 28 HAMILTON, James P.:
Hidrology and hydrochemistry of a dolomite karst in permafrost terrain in the Norman Region, N.W.T. Canada
- 29 BURIN, Kliment - KOLEV, Dimitar - SPASSOV, Konstantin:
Experiments in tracing karst underground waters with bromine using neutron activation analysis
- 30 GEWELT, Michel - MEUS, Philippe - JIN, Yuzhang:
Physico-chemical analyses and dye tracing of Teng Long Cave waters (Lichuan, Hubei Province, China)
- 31 ROMAKI, László:
Quantitative spectrofluorometric determination of fluorescein dye used in tracing of underground water

- 32 FABIAN, Calin:
The karstic domain analysed as a depositional system
- 33 ZHANG, Shouyue:
The measurement of karst denudation in Xizang (Tibet) and Zhejiang, China
- 34 SERBAN, Mihai:
Complex wall microrelief in caves and developed turbulence
- 35 BELTYUKOV, German:
The evaluation of the recent karst process activity by hydrochemical methods (in Russian)
- 36 MILLER, Thomas:
Fluvial karst development in the Humid Tropics
- 37 KRIEG, Walter:
Parameter der Höhlengrösse und Raumgrösse
- 38 SWEET, Geraldine:
Subcutaneous drainage and cave development in the Northern Interlake Area, Manitoba, Canada
- 39 KOSA, Attila:
A type of vertical cave, considered as "very deep Karrenfeld"
- 46 SHAHINYAN, Samvel M. - GEVORGYAN, Armen A.:
Karstogenic peculiarities of the karst structures in the lime massive of the region of Vaik of the Armenian S.S.R.
- 47 PAVUZA, Rudolf - TRAINDL, Helmut:
Hinweise auf aufsteigende Karstwässer in Alpenen Karstquellen
- 48 VARGA, László - NAGY, Istvan - BAZSA, Iulia:
The Wind's cavern genesis
- 49 DUBLYANSKY, V.N. - DUBLYANSKAYA, G.N. - SHIPUNOVA, V.A.:
Space-time of the karst cavity formation
- 50 SILVESTRU, Emil:
Proposals for a litho-genetical classification of karst and karst-like features
- 51 ZAMBO, László:
Calculation of karstic denudation on the basis of observations of the soil impact on corrosion

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- 40 SVENSSON, Uwe - KEMPE, Stephan:
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- 41 PONTA, George - MARIN, Constantin:
Karstic aquifers in Sebes Mountains - Romania
- 42 ORVAN, Juraj:
Groundwaters of Slovak karst
- 43 TULIS, Ján:
The importance of disjunctive tectonics in development of underground karst (in Russian)
- 44 MUCKE, Dieter:
Tektonische und lithologische Aspekte der Karstwasserzirkulation in der nordöstlichen Baradla-Höhle (Ungarn)
- 45 SHI MENG, Xiong - ZHANG, Shouyue:
Simulation test for developing model on cave system

Section A 3

Chairman: FORTI, Paolo

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- 1 FORTI, Paolo - MENICHETTI, Marco - ROSSI, Alberto:
Speleothems and speleogenesis of the Faggeto Tondo Cave (Umbria, Italy)
- 2 JANCARIK, Antonin:
Aerosol speleothems - theory and practice
- 3 LORBERER, Árpád - RONAKI, László:
Pinlike "peastone"-speleothems as indicators of draught in caves
- 4 LATHAM, Alfred G.:
Magnetization of speleothems: detrital or chemical
- 5 SHOPOV, Yavor:
Genetic classification of cave minerals
- 6 WHITE, William B. - BRENNAN, Edward S.:
Luminescence of Speleothems due to Fulvic Acid and other Activators

- 7 SHOPOV, Yavor:
Bases and structure of the international
programme "Luminescence of cave minerals" of the
commission of UIS
- 8 MALTSSEV, Vladimir A. - MALISHEVSKY, Dmitriy I.:
Karst cave minerals of USSR
- 9 ADAMKO, Péter:
József-hegyi-barlang és ásványai
- 10 KASHIMA, Naruhiko:
Geochemistry of the secondary phosphate minerals
from Japanese Islands
- 11 HUBBARD, David A. - HERMAN, Janet S. -
MITCHELL, Richard S. - HAMMERSCHMIDT, Elmar:
Cave Saltpetre: chemical, historical and
mineralogical aspects
- 12 BODOLEA, Ana - VIEHMANN, Iosif:
The floating calcite from the cave Hoanca Apei
(Bihor Mountains - Romania)
- 13 DREYBRODT, Wolfgang:
The effect of $MgCO_3$ to the solubility of calcite:
enhanced aggressiveness ?
- 14 JANIEC, Bronislaw:
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- 15 NAVLYUDOV, Bulat:
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- 16 NAVLYUDOV, Bulat:
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- 17 RACOVITA, Gheorghe:
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Ghetarrul de la Scarisoara (Bihor Mountains,
Romania)
- 18 PORTI, Paolo:
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- 19 SILVESTRU, Emil:
Genesis and evolution of the mirabilite in the
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- 20 HILL, Carol A.:
Mississippi Valley - type synore karst development
- 21 ONAC, Bogdan P.:
On a new mineral paragenesis in the Cave
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- 22 ARAKAWA, Tatsubiko - HORI, Nobuyuki -
MIURA, Hajime:
The ages of one cycle of cave developments in a
subtropical Raised Coral Reef Area: Yoron Island,
The Ryukyus, Japan
- 23 MALTSSEV, Vladimir A.:
The influence of season changes of the cave
microclimate to the gypsum genesis
- 24 PORTI, P. - PENSABANE, G.:
The cubic cave pearls of the Corchia Karst System
(Apuane Alps, Italy)
- 25 LYSENKO, Vladimir:
Fluorit caves in the Decin Sneznik
(Czechoslovakia)
- 26 KOSIK, Miroslav - TULIS, Ján:
Physical and chemical research of gypsum in the
Cave Stratenská Jaskyna
- 27 ANDRAITCHUK, V.N. - KOVALTCHUK, A.I. -
BELOKRYS, I.A.:
Cave in siderite
- 28 SARVARY, István:
Estimation of velocities for tracer experiments
- 29 PINEDO, Roberto:
A sedimental study of detrital materials in the
Hayal de Ponata System, Sierra Salvada, North
Spain
- 30 EK, Camille - GENWELT, Michel -
ZHANG, Shouyue:
Carbon dioxide content of cave sediments and cave
air in China
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- 26 REZVAN, Vladimir D.:
Hydrogeological zonation of Sochi speleological
region (West Caucasus)

- 27 VANIAN, R.A.:
Morphology of caves of the Armenian SSR along the
lines of their genetic characterization
- 28 KIPIANI, Shalva - TIWILLOZOV, Zurab:
Principales Etapes de l'Etude Spéléologique de la
Géorgie
- 29 PECHORKIN, Andrai:
Regional regularities of Russian platform karst
- 30 RAKVIASHVILI, Kiaso:
Caves in the South Okriba thrust zone, Western
Georgia
- 31 BERSENEV, Yuri:
Karst and features of speleogenesis in the
eastern USSR (in Russian)
- 32 SHUTOV, Yu.I. - SEVOST'YANOV, E.M.:
High-altitude zonation of mid-mountain karst
connected with nival corrosion
- 33 FILIPPOV, Andrey:
Geology of the Baikal lakeshore caves
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- 34 MIKHAILOV, Vasil:
The origin and development of caves in glaciers:
a case studies in the Tyan-Shan Mts. (USSR)
- 35 FILIPPOV, Andrey:
Cryokarst of the Vilujan Plateau
- 36 SGIBNEV, Valentin V.:
Tectonics boundaries and stages of karstification
in Tien-Shan
- 37 SGIBNEV, Valentin V.:
Cave site Sel-Ungur and paleogeography of upper
pleistocen in southern Tien-Shan
- 38 ZHU, Xuewen - WANG, Xunyi -
ZHANG, Ren - TAN, Pengjia:
Characteristics and development of Wanhuyan Cave,
Chenzhou City, Hunan

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- 39 SONG, Lin Hua - LIU, Hong:
Cockpit karst and geological structures in South
Yunnan, China
- 40 SONG, Lin Hua:
Weather dependence of evolution sequence from
Fengcong to Fengling

- 41 SONG, Lin Hua:
Subsurface reservoirs and karst geomorphology
- 42 YUAN, Daoxian:
The origin of Heishuidong Cave, Menzi County,
Yunnan province
- 43 HAVLICEK, David - TASLER, Radko:
"North Plateau" of Mt. Anne (SW Tasmania)
- 44 YONGE, Charles J.:
Cave exploration in the Canadian Rocky Mountains
- 45 YONGE, Charles J.:
The Ratz Nest Cave project
- 46 IORDANSKY, Leonid:
Karst caverns morphology of Zeypuria plateau
- 47 BONEV, Kamen I.:
Geologic structural control of karst-forming
processes in the plateau Guaso, Southeast Cuba
- 48 KARAKOSTANOGLU, Iakovos:
Observations on the glacier's stability of the
ice-shaft system "Eftastomo", Parnassos Mountains,
central Greece

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- 1 MUGLOVA, Penka - STOEV, Alexey:
A projecting system with the functions of measuring
time in the cave Monastery at Derevny Krasen (in Russian)
- 2 STOEV, Alexej - GUERASSIMOVA-TOMOVA, Vassilka -
STOYTCHEV, Todor:
Complexe de grottes pres du village Bajlovo,
region de Sofia (Bulgarie) et son utilisation
par l'homme
- 3 STOYTCHEV, Todor - STOEV, Alexey -
RADOSLAVOVA, Tevetanka - STOYTCHIEVA, Ulyana:
Astronomical motives in rock art designs in
Bulgarian caves
(in russian)
- 4 MARTINEZ DE CANAS, Jacinto J.:
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(Burgos) y sus representaciones parietales

- 5 VEMI, George:
Geologic factors in the preservation and
management of the Maya Naj Tunich Cave paintings,
Petén, Guatemala
- 6 DEBENATH, André:
L'occupation paleolithique du karst de Charente
(France)
- 7 PETROCHILOU, Anna:
Sculptures et gravures rupestres à l'île de Naxos
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- 8 NINI, Roberto - De ANGELIS, Maria Cristina -
ROSSI, Roberto:
The Cocci cave at Narni - (TR) Italy
- 9 FUCHS, Gerald:
Höhlengrabungen in der Steiermark
Ergebnisse neuer Forschungen und Probleme
- 10 POULIANOS, Nickos:
Further data on the lower middle pleistocene
Petalona cave
- 11 SAIZ QUEVEDO, Luisa - FERNANDEZ SANDINO, Javier A. -
FERNANDEZ IBARRIZ, Carmelo:
Introducción al Estudio del Santuario Esquemático
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- 12 DEREVYANKO, A. - IVLEVA, N. -
MARKIN, S.:
Archeological and paleogeographical researches
of the Altaic Mousterian cave (Southern Siberia,
USSR)
- 13 LORDKIPANIDZE, David O.:
Environment of stone-aged people's habitation in
the caves of Western Georgia (on the materials of
the cave site Ortvala-Klde)
- 14 MULAOMEROVIC, Jasminko:
The paleolithic of Middle Bosnia (Yugoslavia)
- 15 MULAOMEROVIC, Jasminko:
Rock drawings in Bosnia (part of Yugoslavia)
- 16 MULAOMEROVIC, Jasminko:
Prehistoric men and caves of Malta
- 17 GERGOV, Ventsislav:
Prehistoric researches of the caves in midland
North Bulgaria
(in Russian)
- 18 DUSHEVSKY, Vladislav:
Determination of the rate of cave development
based on archeological data (in Russian)
- 19 KITTEL, Erika - WOLLENIK, Franz:
Sexualzeichen in Höhle und Fels
- 20 RAICHEV, Dimitar - RAICHEV, George:
Some climatic phenomena in the Yagodina cave used
by eneolithic dwellers
- 21 SHAHINYAN, S.M.:
The "Xenophon dwellings" and their analogues in
the basin of Lake Sevan
(in Russian)
- 22 SHAHINYAN, S.M. - GEVORGYAN, A.A.:
Cave dwellings with stone doors
(in Russian)
- 23 ASPARUHOV, Milko:
An attempt for elucidation of the medieval
drawings - graffiti from North-West Bulgaria
(in Russian)

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Section A 5

Chairman: BOSAK, Pavel

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- 1 RADAI, Ödön:
Paleo-karstic phenomena and their recent
appearance
- 2 BOSAK, Pavel:
A key to paleogeography and stratigraphy of
continental periods
- 3 WOJCIL, Zbigniew:
Geomorphological cycle in karst - ideas and
reality

- 4 FORNOS, Joan J. - GINÉS, Angel -
GINÉS, Joaquín:
Paleokarst collapse features in the uppermost
miocene of Mallorca Island (Spain)
- 5 TURINA, Inna:
Evolution of paleokarst cavities in carbonaceous
series (in Russian)
- 6 MUCKE, Dieter:
Fossiler Salz-, Sulfat- und Karbonatkarst in der
DDR
- 7 GLAZEK, Jerzy - JEVLOGIEV, Jordan -
KALCHEVA, Veselina - RUDNICKI, Jan:
Paleokarst in the vicinity of Ruse
(North-eastern Bulgaria)
- 8 BOSAK, Pavel - LYSENEK, Vladimir:
The evolution of the Bohemian Karst
- 9 GLAZEK, Jerzy:
Paleokarst and the neogene paleogeography of Poland
- 10 VERESS, Márton:
Karstification of covered paleokarst surfaces
depend on uncovering

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- 11 SZYNKIEWICZ, Adam:
Influence of lithology on development of karst
forms in upper jurassic limestones on polish
jura region
- 12 MOTYKA, Jacek:
Karst features in Triassic limestones and
dolomites of Olkusz Area (SW Poland)
- 13 DUSHEVSKY, Vladislav P.:
Methods of defining the rate of formation of
grottos based on archeological data
- 14 JIMENEZ, Antonio Muñoz:
El Agujero Azul de Dean (Bahamas) y su importancia
en el estudio de las fluctuaciones del nivel del
mar
- 15 REINER, Andreas - KEMPE, Stephan:
Recent and paleokarst systems and their relation
to ore mineralization in the Iberg-Reef-Complex.
Harz Mountains
- 16 MIKHAILOV, Vasil:
Paleokarst of Tyan-Shan Mts. (Central Asia, USSR)

- 17 MAMATKULOV, M.M.:
Paleokarst of Central Asia
- 18 PECHORKIN, Andrai - PECHORKIN, Igor -
ZAKOPTILOV, Valery:
Paleokarst of the South-Western part of
Melekesskaja depression
(in Russian)
- 19 VARGA, László - KOVACS, Andras -
SZABO, Zoltan:
Paleokarst phenomena in the Suncuius - Zece Hotare
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Chairman: FORD, Derek

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- 1 FORD, Derek:
A review of dating techniques applied to calcite
speleothems
- 2 LUNDBERG, Joyce:
Speleothem dating by mass spectrometry
- 3 LATHAM, A.G. - SCHWARZ, H.P.:
Dating of contaminated travertines
- 4 GEWELT, Michel - LIU, Minglin -
QUINIF, Yves - ZHAO, Shusen:
Uranium series dating of speleothems from Teng
Long cave (Lichuan, Hubei province, China),
preliminary results
- 5 GINÉS, Angel - GINÉS, Joaquín:
Absolute dating of phreatic speleothems from
Coastal Caves of Mallorca (Spain)
- 6 ARAKAWA, Tatsuhiro:
Dating of Growth Rings and their relation to
Late Quaternary climatic changes in the Ryukyu
Islands, Japan

- 7 BROOK, George A. - BURNEY, David A. -
COWART, James B.:

Evidence of quaternary environmental changes in
Eastern and Southern Africa from cave and rock
shelter sediments

- 8 WILLIAMS, Paul:
U/Th dates for a cave overrun by ice and their
significance for New Zealand interglacials
- 9 RAITCHEV, Dimitar:
Some problems concerning the dating and structure
of pleistocene cave deposits in the Triangular
cave in the Karst Spring region. W. Rhodope, Bg.

- 10 YONGE, Charles:
Isotopic studies of speleothems from Rats Nest
Cave, Alberta, Canada

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- 11 DULINKSKI, Marek - GLAZEK, Jerzy -
HERCZAN, Helena:
Numerical dating of cave deposits from the High
Tatra Mountains (Southern Poland)
- 12 WORTHINGTON, S.R.H.:
Cave sediments: glimpses of the past
- 13 NOVOTNY, Ladislav:
Tertiary sediments Stratena Cave system (in Russian)
- 14 SHOPOV, Yavor - DERMENDJIEV, Vladimir -
BUYKLIIV, Georgy:
Investigations on the old variations of the
climate and solar activity by a new method - LAMZA
of cave flowstone from Bulgaria
- 15 HADWAGY, Arpád:
Speleogenetic and sedimentological investigations
in Bears Cave - Bihar Mountains
- 16 REEDER, Philip P. - DAY, Michael J.:
Lead Mining of Caves in the Driftless Area
of Southwest Wisconsin and Northwest Illinois. USA
- 17 VALEN, Vidar - LAURITZEN, Stein-Erik:
Sedimentology in Sirijoda cave, Nordland,
Northern Norway
- 18 DUBOIS, Paul - SORRIAUX, Patrick -
SOUDRET, Henry Jean:
Rospo Mare (Adriatic) un paléokarst pétrolier du
domaine méditerranéen
- 19 ISACSSON, Gunnar:
Cave deposits during glaciations and interglacials
- An example from the Korallgrottan in middle Sweden

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- 49 GUNN, John - LOWE, David:
Caves on the Tongan Islands of Tongatapu & 'Eua
- 50 MILLER, Thomas E.:
Cave development in Belize, Central America
- 51 DARSOPRAJITNO, Soewarno:
Applied research on karst region in Tuban, East
Java
- 52 CALANDRI, Gilberto:
Jordan karst: geomorphologic and hydrogeologic
looks
- 53 CALANDRI, Gilberto:
The karst in the evaporitic diapires of the
Northeast Algeria
- 54 CALANDEI, Gilberto:
Preliminary note on some karst waters of the
Middle-South Morocco
- 55 MARILD, Alan:
Caves of Zongolica (Mexico)
- 56 PULINA, Marian:
Chemical denudation in tropical karst in Cuba
- 57 FABIAN, Calin:
The influence of the petrographic subsystem upon
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- 58 URBANI, Franco:
Origin of Caves in Venezuelan Quartzitic Rocks
- 59 SGIBNEV, Valentin V.:
Zonation of karst in Tien-Shan and plate tectonics
- 60 HOLLER, Cato - HOLLER, Margaret:
North Carolina Granitic Caves: Valuable
Speleological Resources
- 61 GORBUNOVA, Klara A. - MAXIMOVICH, Nikolay G.:
Speleogenesis and evolution of earthcrust
(in Russian)
- 62 TAKACSNE BOLNER, Katalin - SZÉKELY, Kinga:
Tuya Muyun (USSR, Kirghizia - preliminary results
of the speleological researches carried out by the
international expedition in 1989)

PROGRAM

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EXCURSION

Op. the exh. of stamps
General Assembly

Opening of exhibition

Welcome party

General Assembly
Closing

Banquet

A, B - sessions Com - meetings of commissions

MEETINGS OF THE COMMISSIONS - SITZUNGEN DER FACHKOMMISSIONEN

ЗАСЕДАНИЯ СПЕЦИАЛЬНЫХ КОМИССИЙ

August 14. 13 ⁰⁰	Commission 5	August 17. 9 ⁰⁰	Commission 1
	Commission 9	13 ³⁰	Commission 10
14 ³⁰	Commission 16	August 18. 9 ⁰⁰	Commission 12
15 ³⁰	Commission 9	13 ³⁰	Commission 5
August 15. 9 ⁰⁰	Commission 9	August 19. 9 ⁰⁰	Commission 3
11 ⁰⁰	Commission 2	13 ⁰⁰	Commission 15
14 ³⁰	Commission 8		

UIS-COMMISSIONS

1. Com. pour la protection, l'exploitation et le tourisme
Président: HABE, France
2. Com. pour les grottes aménagées
Président: GURNEE, Russel
3. Com. de la physico-chimie et de l'hydrogéologie du karst
Président: FORTI, Paolo
4. Com. de la dénudation karstique
Président: EK, Camille
5. Com. du paléokarst et de la spéléochronologie
Président: BOSÁK, Pavel
6. Com. de spéléothérapie
Président: HORVÁTH, Tibor
7. Com. de Spéléo-secours
Président: MEREDITH, Mike
8. Com. de Matériel et Techniques
Président: MCCLURG, David
9. Com. de la Plongée Souterraine
Président: PISKULA, Frantisek
10. Com. de Bibliographie
Président: BERNASCONI, Reno
11. Com. de topographie et de cartographie karstique
Président: LALKOVIC, Marcel
12. Com. d'informatique
Président: MATTHEWS, Peter
13. Com. des grandes cavités
Président: CHABERT, Claude
14. Com. pour l'Atlas des Régions Karstiques
Président: PFEFFER, Karl-Heinz
15. Com. pour l'Histoire de la Spéléologie
Président: GEZE, Bernard
16. Com. de l'Enseignement Spéléologique
Président: FRACHON, Paul

Other programs, exhibitions
Andere Veranstaltungen, Ausstellungen
Прочие мероприятия, выставки

August 13. 15⁰⁰

Opening the exhibition "Caves in fine arts"
Site: Museum Kiscell, Budapest III. Kiscelli utca 108.
The exhibition can be visited every day except of Monday
from 10 a.m. till 6 p.m.

x x x

Eröffnung der Ausstellung "Höhlen in der bildenden Kunst"
Ort: Museum Kiscell
Man kann die Ausstellung jeden Tag ausser Montag ab 10 Uhr
bis 18 Uhr besuchen.

x x x

Открытие выставки "Пещеры в изобразительном искусстве"
Место: Музей Кишцелли

Выставку можно посетить (за исключением понедельника)
ежедневно с 10 до 18

August 14. 9⁰⁰

Opening the exhibition of "Postcards and stamps showing
caves"
Site: Congress center
The exhibition can be visited every day till August 19.

x x x

Eröffnung die Ausstellung "Ansichtskarten und Briefmarken
über Höhlen"
Ort: Kongresszentrum
Man kann die Ausstellung jeden Tag bis August 19. besuchen.

x x x

Открытие выставки марок и открыток о пещерах
Место: Дворец съездов
Выставку можно посетить ежедневно до 19-го августа

August 14-19.

Exhibition from the material of the Speleophoto Competition
Site: Congress center
The exhibition can be visited every day.

x x x

Ausstellung aus dem Material des Höhlenphotowettbewerb
Ort: Kongresszentrum
Man kann die Ausstellung jeden Tag besuchen.

x x x

Фотовыставка, приуроченная к проведению конгресса
Место: Дворец съездов
Выставку можно посмотреть постоянно

August 14, 15, 17, 18 18⁰⁰

Presentation of the material of the Speleoslide,
Speleofilm and Video Competition
Site: Congress center

x x x

Präsentation aus dem Materiel des Lichtbild-, Film-
und Videowettbewerb
Ort: Kongresszentrum

x x x

Демонстрация диапозитивов, фильмов и видеофильмов,
представленных на конкурс, посвященный конгрессу
Место: Дворец съездов

August 14. 8⁰⁰

First day stamping of the on the occasion of the
Congress appeared stampseries
Site: Congress center

x x x

Ersttagsstempel der aus Anlass von dem Kongress
erscheinenden Briefmarkenserie

x x x

Штемпелевание в первый день серии марок, посвященной
конгрессу
Место: Дворец съездов

Parties, banquet - Empfänge, Bankett - Прием, банкет

August 13. 19⁰⁰

Welcome party for all registered participants of the
congress
Site: Congress center

x x x

Eröffnungsempfang für alle registrierte Teilnehmer
des Kongresses
Ort: Kongresszentrum

x x x

Прием для всех зарегистрированных участников конгресса
Место: Дворец съездов

August 17. 19⁰⁰

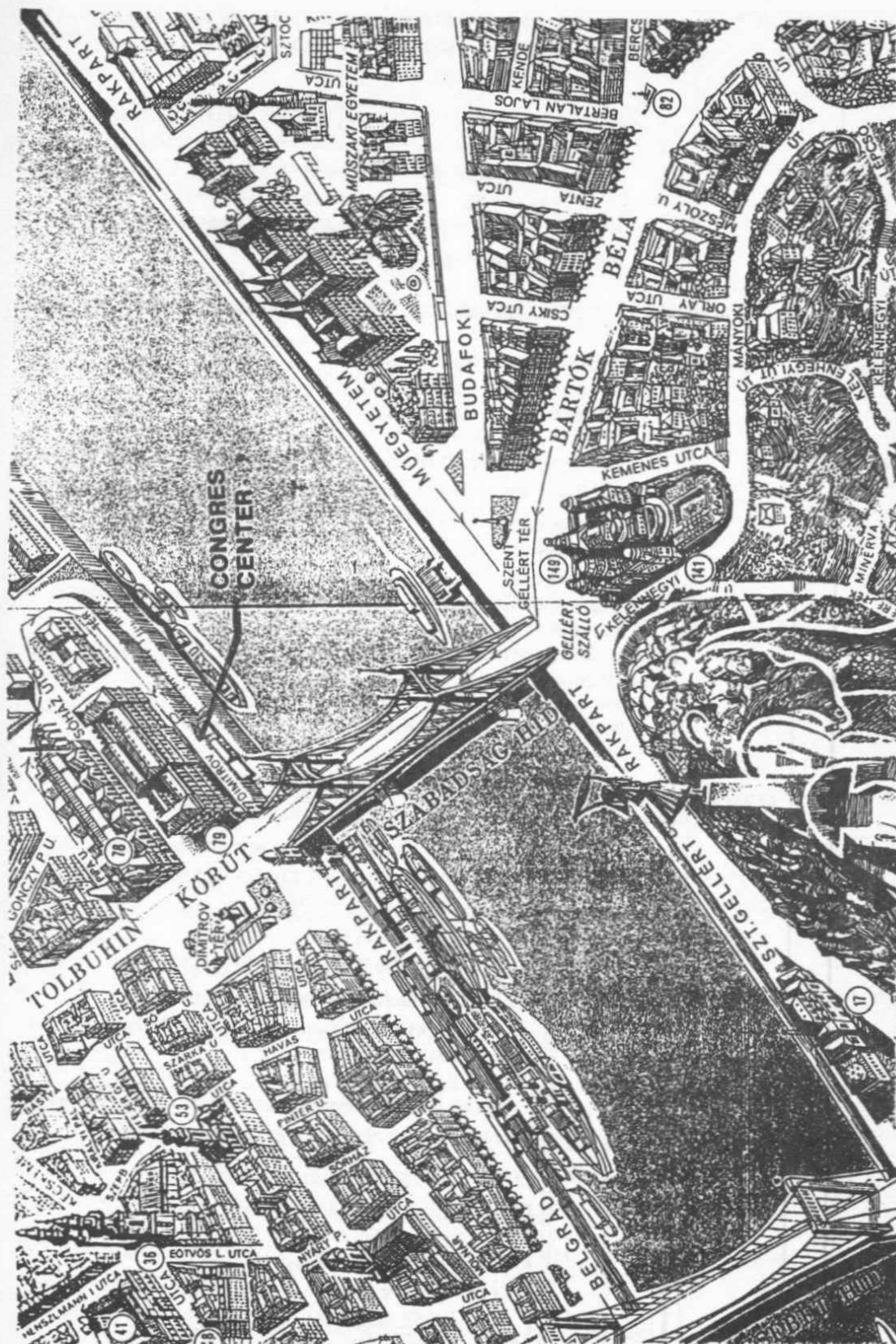
Reception of the Minister for Environment Protection
and Water Management for the Members of the UIS Bureau
and the Leaders of the Delegations

x x x

Empfang des Ministers für Umweltschutz und Wasserwirt-
schaft für die Mitglieder des UIS Büros und die Leiter
der Delegationen

x x x

Прием у министра по охране окружающей среды и водному
хозяйству в честь членов МСС и руководителей делегаций



August 19. 19⁰⁰

Closing banquet /dinner, music, dance/. On extra fee.
Site: Congress center

x x x

Schlussbankett /Abendessen, Musik, Tanz/. Für extra
Bezahlung.

Ort: Kongresszentrum

Банкет (ужин, музыка, танцы). За отдельную плату

Место: Дворец съездов

Other /Lady's/ programs - Andere /Damen/ Programme - Прочие программы (для дам)

August 15.

Sightseeing, Visiting museums

Stadtrundfahrt, Museumbesichtigungen

Автобусная экскурсия по городу, посещение музеев

August 17.

All day trip by ship to Szentendre /Danube Band/

/Sightseeing, visiting museums, lunch, village museum/

Ganztägige Schifffahrt nach Szentendre /Donauknie/

/Stadtrundfahrt, Museumbesichtigungen, Mittagessen,

Dorfmuseum/

Экскурсия на пароходе в г. Сентендре (осмотр города,
посещение музеев, обед, сканзен)

August 18.

Wine-tasting in the wine cellar in Budafok

Weinprobe im Weinkeller von Budafok

Дегустация вин в винном погребе хозяйства "Будафок"

Excursion /day trip/ - Ausflug - Экскурсия

August 16.

An all day trip to the Danube Band, to Esztergom. The
trip will be organized in two groups because of the
large number of the participants.

Group A /blue participation ticket/

Start by ship from Budapest at 8 a.m.

Arrival in Esztergom at 12 a.m.

Lunch, sightseeing /Cathedral, Museum, Castle,
Water Museum/

Return by bus at 4 p.m.

Dobogókő /700 m/ view

Arrival in Budapest at about 6,30 p.m.

Group B /yellow participation ticket/

Start by bus from Budapest at 8 a.m.

Dobogókő /700 m/ view

Arrival in Esztergom at 10,30 a.m.

sightseeing /Cathedral, Museum, Castle,
Water Museum/, lunch

Return by ship at 3 p.m.

Arrival in Budapest at about 6,30 p.m.

Ganztägige Ausflug zum Donauknie bzw. Esztergom. Die Ausflug wird wegen der grossen Teilnehmerzahl in zwei Gruppen organisiert.

Gruppe A /Blaue Teilnahmekarte/

Abfahrt um 8 Uhr mit Schiff von Budapest.
Ankunft in Esztergom at 12 Uhr.
Mittagessen, Stadtrundfahrt /Basilika,
Museum, Burg, Museum für Wasserkunde/
Rückfahrt mit Autobus um 16 Uhr.
Dobogókő /700 m/ Aussicht
Ankunft in Budapest ungefähr um 18,30 Uhr.

Gruppe B /Gelbe Teilnahmekarte/

Abfahrt um 8 Uhr mit Autobus von Budapest
Dobogókő /700 m/ Aussicht
Ankunft in Esztergom um 10,30 Uhr.
Stadtrundfahrt /Basilika, Museum, Burg,
Museum für Wasserkunde/, Mittagessen
Rückfahrt mit Schiff um 15 Uhr.
Ankunft in Budapest um ungefähr 18,30 Uhr.

Экскурсия в излучину Дуная, в г. Эстергом (на целый день).
В связи с большим интересом экскурсия будет организована
двумя группами.

Группа "А" - (с голубой карточкой)

Отправление в 8.00 часов из Будапешта на пароходе
Прибытие в Эстергом в 12.00 часов.
Обед, осмотр города (базилика, музей, крепость,
музей водного транспорта)
Отправление в Будапешт в 16.00 часов
По пути - осмотр Добогокё (высота 700 м)
Прибытие в Будапешт ок. 18.00 часов

Группа "Б" - (с желтой карточкой)

Отправление в 8.00 часов из Будапешта автобусом
Посещение Добогокё (высота 700 м)
Прибытие в Эстергом в 10.30 часов
(осмотр города, базилика, музей, крепость, музей водного
транспорта), обед
Отправление в Будапешт в 15.00 часов пароходом
Прибытие в Будапешт в 18.30 часов

August 13-20.

Cave tours to the caves of Budapest - Höhlentouren in die Höhle von Budapest
Экскурсии в будайских пещерах

Application for the El Cave tours published in the 2nd Circular can be made on the basis of the detailed tourprograms which you can find hanging out at the Registration.

x x x

Anmeldung für die im 2. Zirkular mitgeteilten El Höhlentouren ist am Registration, nach der dort ausgehängten ausführlichen Toureneinteilung möglich.

x x x

Записаться на экскурсии, объявленные в циркуляре № 2, можно в месте регистрации на основе подробного распределения экскурсии Е I.

Pre- and Postexcursions - Vor- und Nachexcursionen - Дополнительные экскурсии

Pre and Postexcursions are organized on the basis of the details published in the 2nd Circular. The time-table the dates of start and arrival you can find in the enclosed diagram.

The pre-excursions start in all cases in front of the building of the Student Hostel "Schönherz Zoltán".

x x x

Die Vor- und Nachexcursionen werden nach den 2. Zirkular mitgeteilten Details organisiert. Ihr Zeittermin, Daten der Abfahrt und Ankunft kann man in dem beiliegenden Diagram finden.

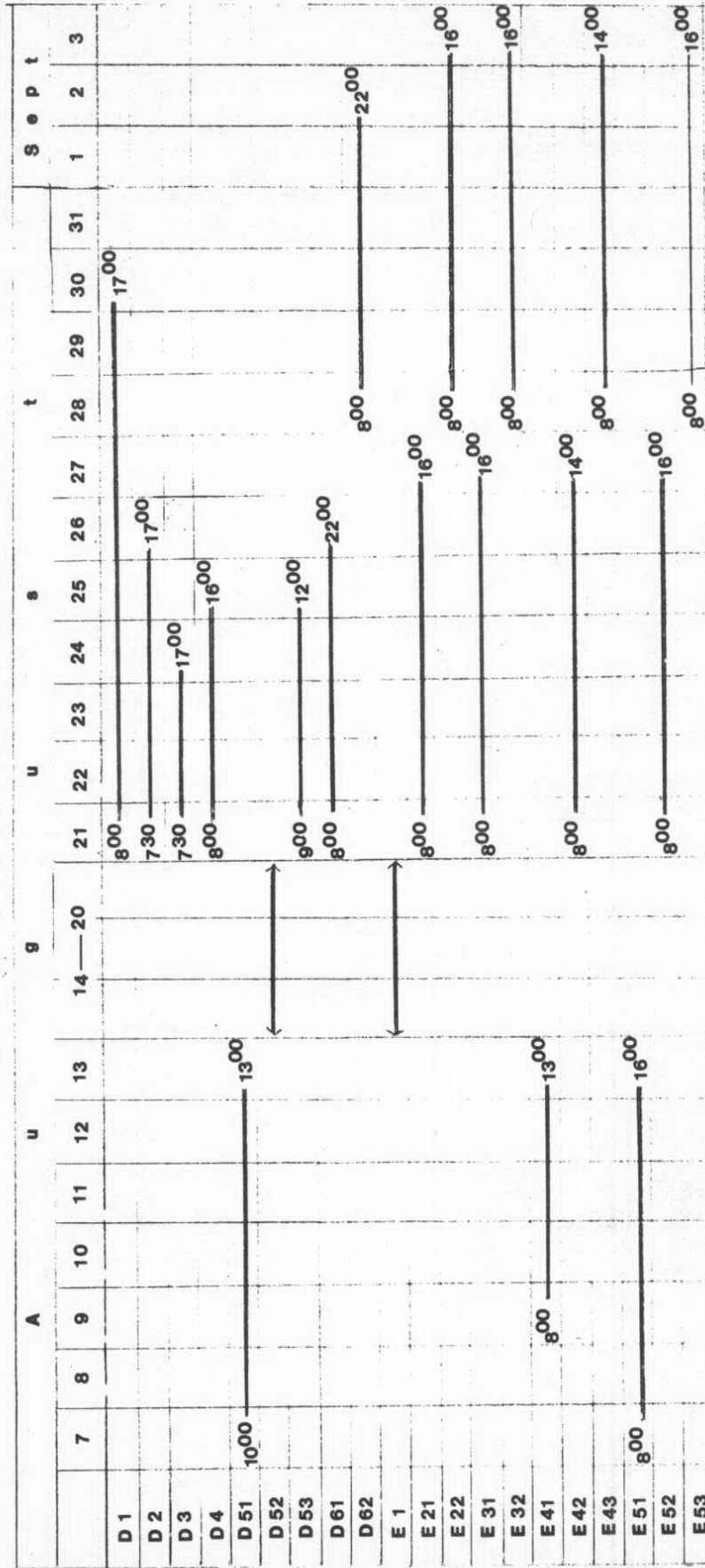
Die Vorexkursionen starten in jedem Fall vor dem Gebäude des Studentenheimes "Schönherz Zoltán".

x x x

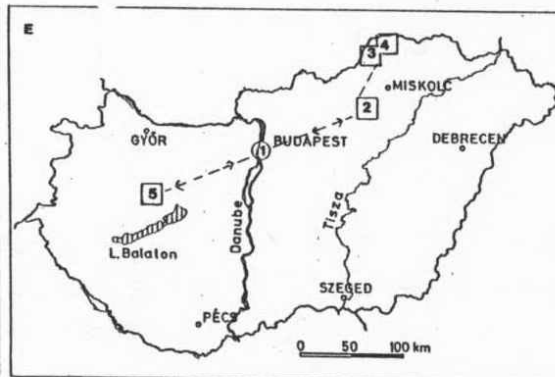
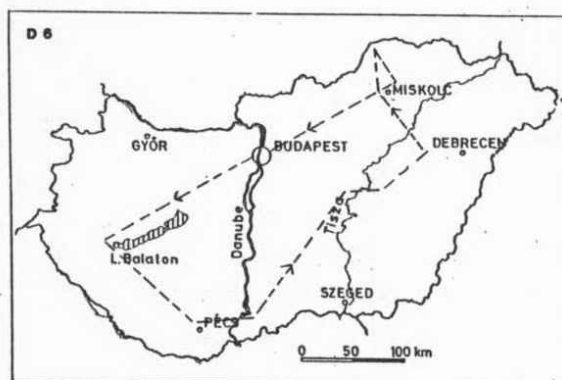
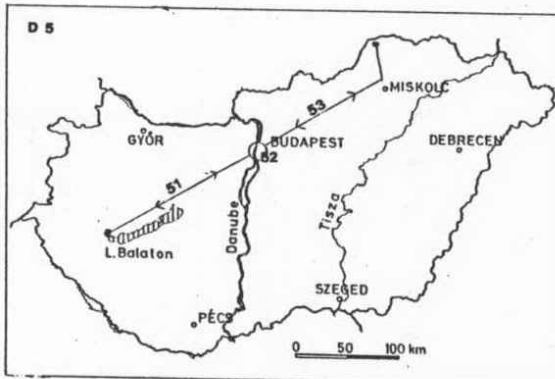
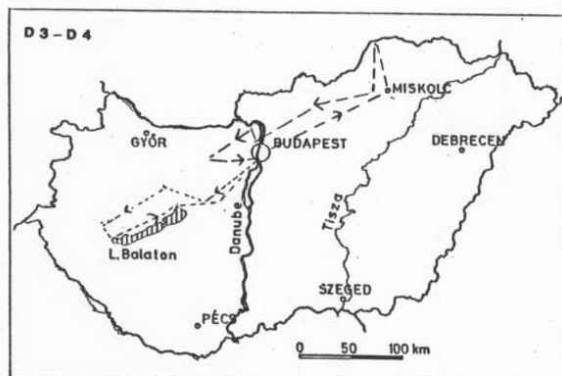
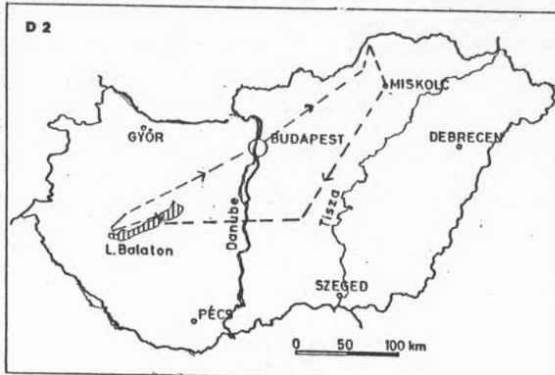
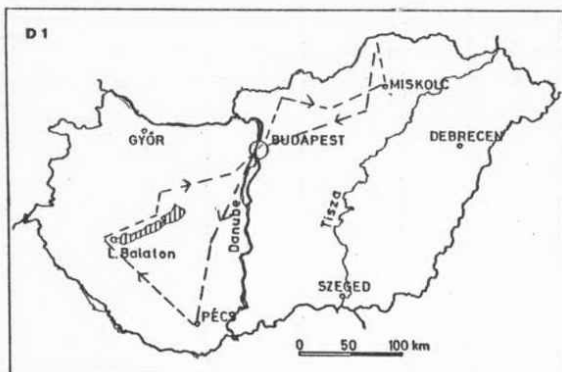
Эти экскурсии организуются по объявленному циркуляру № 2.

Время отправления и прибытия можно посмотреть в графике. Экскурсии отправляются в каждом случае от Студент Хостел Шёнхерц.

EXCURSIONS



EXCURSIONS



GEOÉP: SOCIETY FOR SUBSURFACE AND PROTECTING ENVIRONMENTAL CONSTRUCTION

WIRTSCHAFTSGESELLSCHAFT FÜR UNTERIRDISCHE UND UMWELT- FREUNDLICHE BAUARBEITEN



FIELDS OF ACTIVITY:

- Preparation and strengthening of foundations
- Preparation and strengthening of subsurface caverns, cellars and storage spaces, elimination
- Outcrop of subsurface caverns, preparation of test pits deeper than 2m in extraordinary circumstances
- Examination, repair of subsurface storage places, load test of soils
- Preparation of retaining walls
- Preparation of drainages and of deep-drainages without uncovering, using special materials, glued rubber filter

TÄTIGKEITEN:

- Anfertigung und Befestigung von Gründungen
- Ausgestaltung und Verstärkung von unterirdischen Hohlräumen, Kellern, und Lagerräumen Verschüttung
- Aufschluss von unterirdischen Hohlräumen, Ausgestaltung von über 2M tiefen Schürfgruben bei besonderen Umständen
- Überprüfung, Reparatur der unterirdischen Hohlräume, Probelastung der Böden
- Aufbau der Stützwände
- Ausgestaltung von Sickergraben von Tiefsickergraben ohne Blosslegung, mit Verwendung von speziellen Materialien, geklebten Kiesfiltern

MEMBER COMPANIS:

Central Mining Development Institute

1027 Budapest, Varsányi Irén u. 40-42.
T: 354-580

FTV Consulting Engineering

1088 Budapest, Revicky u. 4.
T: 183-281

Délborsod Agricultural Co-operative

3467 Ároktő, Széchenyi u. 45.
T: Ároktő 5

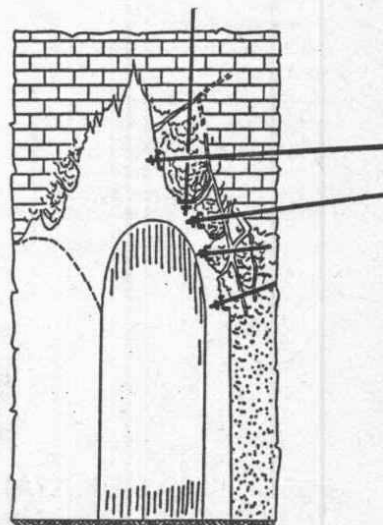
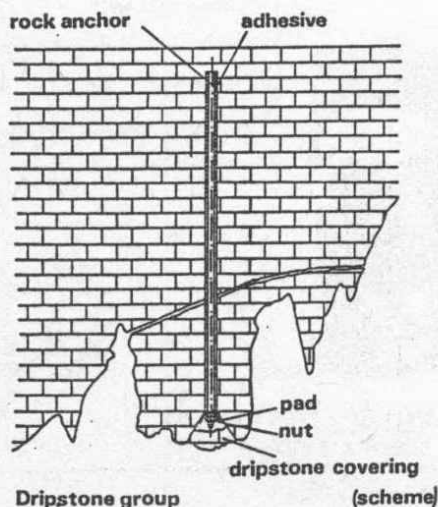
MITGLIEDSUNTERNEHMEN:

Zentrales Entwicklungsinstitut für den Bergbau

FTV Beratung und Planung

LPG Délborsod

**BÜRO: 3300 EGER, Sertekapu u. 35.
T: (36) 14-129**



LILLAFÜRED, ANNA CAVE instance

BRONCHO-VAXOM®

Polyvalens

immunobiotherapeuticum

felnőtt, gyermek

kapszula



A „felnőtt” Broncho-Vaxom immuno-bioterápiás készítmény. Mindegyik kapszula 7 mg-ot tartalmaz a Haemophilus influenzae, a Diplococcus pneumoniae, a Klebsiella pneumoniae és ozaenae, a Staphylococcus aureus, a Streptococcus pyogenes és viridans, valamint a Neisseria catarrhalis liofilizált lizátumából.

A „gyermek” Broncho-Vaxom minden kapszulája 3,5 mg-ot tartalmaz ugyanabból a liofilizált lizátumból.

TULAJDONSÁGOK

A Broncho-Vaxom serkenti a szervezet természetes védekező mechanizmusát és erősíti a légutak fertőzéseivel szembeni rezisztenciát. Ezt a hatást az aktív védelemmel, a makrofágok stimulálásával, a keringésben levő „T” lymphociták számának növekedésével, valamint a légúti nyálkahártyák által kiválasztott immunglobulinokkal végzett vizsgálatokkal bizonyították.

JAVALLATOK

A légzőrendszer, valamint a fül, az orr vagy a torok valamennyi fertőzésének adjuváns terápiája. A recidiva és a krónikus állapotba való átmenet megelőzése.

A Broncho-Vaxom adjuváns terápiaként különösen ajánlott az alábbi betegségekben:

- akut és krónikus bronchitis,
- torokfájás, tonsillitis, pharyngitis és laryngitis,
- rhinitis, sinusitis és otitis,
- a hagyományos antibiotikumokkal szemben rezisztens infekciók,
- légzőrendszer vírusfertőzéseinek bakteriális szövődményei, különösen gyermekeknél és idősebbeknél.

TOLERANCIA

Kiváló, ellenjavallat nincs. Ritkán mellékhatásként hányás, hányinger, meteorizmus, diarrhoea, fejfájás, bőrkirulás, bőrvizketés előfordulhat. Anafilaxiás reakcióról nem számoltak be.

ADAGOLÁS

Akut epizódok kezelése: egy kapszula naponta reggel éhgyomorra a tünetek megszűnéséig, de legalább 10 napig, maximum egy hónapig. Az antibiotikumot igénylő esetekben a Broncho-Vaxomot a kezelés legelejétől antibiotikummal együtt kell adni.

Profilaktikus kezelés: egy kapszula naponta 10, egymást követő napon

reggel, éhgyomorra, 20 nap szünet közbeiktatásával, három hónapon keresztül. A terápiát általában szeptember hónapban ajánlatos kezdeni. Szükség esetén tavasszal megismételhető.

KOMBINÁLT KEZELÉS

Súlyos esetekben (felnőtteknél és gyermekeknél egyaránt) az akut epizódok kezelése kiegészíthető a 3 hónapos profilaktikus kezeléssel.

A két terápia között azonban egy hónap szünetet kell tartani.

Gyermekek: a felnőttekével megegyező adagolás. A „gyermek” Broncho-Vaxom, a felnőtt dózis felét tartalmazza. Gyermekek Broncho-Vaxommal történő kezelése csak 1 éves kortól javasolt!

FIGYELMEZTETÉS

A „gyermek” Broncho-Vaxom kapszulák könnyen felnyithatók. Ha a gyermek nehezen tudja lenyelni, a kapszulák tartalmát valamilyen italba — például gyümölcslébe vagy tejbe öntve adhatjuk be.

MEGJEGYZÉS

✖ Csak vényre adható ki. Az orvos rendelkezése szerint — egy vagy két alkalommal — ismételhető.

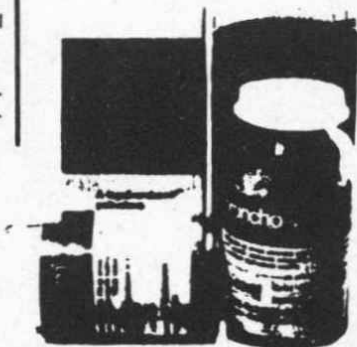
CSOMAGOLÁS

„Felnőtt” Broncho-Vaxom:

30 kapszula 30,— Ft

„Gyermek” Broncho-Vaxom:

30 kapszula 20,— Ft



Előállítja:



BIOGAL Gyógyszergyár, Debrecen
OM labororium, Genf licence alapján

Our cooperative undertake with rope-technics the following building industrial tasks / without scaffolding the buildings /

I. Maintenance, renewal of high and low structures

renewel of facade
restoring of plaster
facade painting
thermal insulation with DRYVIT technology
additional technical works

II. Lightning protection according to the ruling standard

planning
operation
revisory measurement
repairings

III. Insulation

insulation of liquid tanks
slat,s insulation
subsequent water-insulation of buildings
subsequent thermal-insulation of facade / DRYVIT,THERMOTEK /

IV. Anti-corrosive protection

inactive anti-corrosive protection of metal structures
concrete,s anti-corrosive protection with BARRA 2000 and
with applying of different techniques

V. Electronical mounting

planning and building up of lighting networks
supervising of contact defence and standarization
expert opinions

During our 10 years of experience we effectually performed the renewal and the cleaning of towers and high structures.

We build out the lighting system of caves counting on tourist,s attention with special care. / Szemlő-hegyi-barlang, Budapest

István-barlang, Miskolc-Lillafüred/



OKTOGON

ÉPÍTŐIPARI ÉS SZOLGÁLTATÓ KISSZÖVETKEZET
1106 Budapest, Gyakorló u. 34. Tel.: 649-317

Az Egis Gyógyszergyár több mint hét évtizedes múltra tekint vissza. A mai vállalat jogelődje a dr. Wander Rt. 1912-ben létesült az azonos nevű svájci gyár leányvállalataként.

A gyár ipari fejlődése, korszerű nagyipari üzemmé válása - komolyabb beruházások révén - a felszabadulást követő államosítás után valósult meg.

Ma már az Egis Gyógyszergyár rendelkezik a korszerű ipari nagyvállalat minden követelményével és a további fejlődés alapját képező műszaki, technikai, szellemi és anyagi erőforrással.

A gyár alapvető tevékenysége: biológiailag aktív anyagok, főként gyógyszeripari alapanyagok, intermedierek és gyógyszerkészítmények emellett tápszerek, tejpor, tejszínpor valamint állattakarmányozási készítmények gyártása. A vállalat tevékenységi körébe tartozik még a rendelkezésre álló szellemi alkotásokhoz fűződő jogok /találmány, licenc, know-how/ és a kapcsolódó műszaki szolgáltatások értékesítése valamint ilyenek vásárlása önálló külkereskedelmi jog alapján.

Napjainkban az Egis Gyógyszergyár a magyar gyógyszeripar egyik legnagyobb vállalata, mely a magyar gyógyszertermelésből kb. 20 %-kal részesedik.

Az Egis Gyógyszergyár eredményeit szorgalmas, szakképzett munkások, tapasztalt, művelt szakemberek munkája révén éri el. Ezért a vállalat vezetősége nagy gondot fordít a dolgozók életszínvonalának emelésére, kulturális és szociális igényeik kielégítésére.

A jó közérzethez kozzátartozik a munka utáni kikapcsolódás a pihenés és a sport. A szabadidő kellemes és egészséges eltöltését különböző sport létesítmények segítik. A vállalati sportkör több szakosztályban / labdarúgás, természetjárás, evezés, kajak-kenu, vitorlázás, tenisz/ biztosít testedzési lehetőséget.



Bizományi Áruház Vállalat **a lakosság szolgálatában!**

ALTALÁNOS SZOLGÁLTATÁSAINK:

Használt árucikkek felvásárlása
Lakáson történő felvásárlás és értékbecslés

LAKBERENDEZÉSI SZOLGÁLTATÁSAINK:

Lakberendezési tanácsadás
Bútorgarancia (új bútorokra)
Múzeumi becslés
Aukció- árverés
Lakberendezési cikkek értékesítése és felvásárlása
Nemesfém tárgyak értékesítése és felvásárlása
Régiség, festmény értékesítése, felvásárlása
Vállalatunk Szakértői Bizottsága különleges,
korszerű gépek segítségével a briliáns ékszerekről tanusítványt,
CERTIFIKÁT-ot állít ki, az érték 3%-áért.

MŰSZAKI SZOLGÁLTATÁSAINK:

Műszaki cikkek értékesítése és felvásárlása
Garancia egyes műszaki cikkekre
Csereakció bonyolítása

RUHÁZATI SZOLGÁLTATÁSAINK:

Ruházati cikkek felvásárlása és értékesítése, javíttatása

ZÁLOG SZOLGÁLTATÁSAINK:

Zálogkölcsonnyújtás
Postai zálogrendezés
Megővés-megőrzés
Nemesfém felvásárlás
Budapesti és vidéki boltjainkban, felvevőhelyeinken

VÁRJUK KEDVES UGYFELEINKET!
BIZOMÁNYI ÁRUHÁZ VÁLLALAT

Budapest IX., Kinizsi u. 12. Telefon: 176-511

Felelős kiadó: Gádoros Miklós
Hozott anyagról sokszorosítva
8918682 MTA Sokszorosító, Budapest.



