
Volume II

Explorations et Histoire / Explorations and History

Table des Matières / Contents

Symposium 02 : Spéléologie et explorations / Caving and explorations

Joerg DREYBRODT & Florence GUILLOT Caving and explorations	11
Sebastien AKL, Ghada SALEM & Badr JABBOUR-GEDEON Houet Qattine Azar. A generous cave system that keeps on developing...	13
Samer AMHAZ, Ghada SALEM & Mazen ARZOUNI Mgharet Ain El Libné, nouvelles découvertes depuis la publication de 1996 : la première grotte touristique sportive du monde arabe	17
Nyi Nyi AUNG, Fleur LOVERIDGE, Mike FUTRELL, Pete TALLING, Andrea FUTRELL & Dominik FROHLICH Som Hein, Mapping of Longest Cave in Myanmar	21
Teo BARIŠIĆ & Aida BARIŠIĆ Crnopac Cave System (Jamski sustav Crnopac)	25
Lionel BARRIQUAND & Didier ACCARY 1963-2020: 57 years removing obstructions and the discovery of the salle du Palindrome	29
Andrea BENASSI Il fiume sotterraneo de Auk (Nuova Guinea)	33
Péter BÖRCSÖK, Riccardo CORAZZI, László EGRI, Erik GORDOS & László SZEGEDI The exploration of the Boegan system (Abisso Cesare Prez-ET5-Abisso Eugenio Boegan)	37
Špela BORKO, Matic DI BATISTA & Matthew COVINGTON Connecting the void below mt. Kanin	41
Špela BORKO, Jure BEVC & Matic DI BATISTA Hidden gem in the heart of karst exploration	45
Simon James BROOKS Cave Exploration in Pakistan – finding caves in an ever changing landscape.	49
Simon James BROOKS Caving in the Abode of the Clouds, Meghalaya, North East India – An enduring partnership	53
Matthew COVINGTON, Špela BORKO & Matic DI BATISTA Following the siren's call of Euclid's flute: The discovery and exploration of Sistem Pokljuškega grebena	57
Serge DELABY et Hugo SALGADO GARRIDO Le karst du Tzontzecuiculi (Sierra Negra septentrionale - Mexique)	61
Jo DE WAELE, Franci GABROVŠEK, Samuel PAYLER, Loredana BESSONE & Francesco SAURO The scientific program of the ESA Caves astronaut training course in Slovenia	65
Trevor FAULKNER South Nordland Caving Expeditions to Norway 1974–2011	69
Michael J. FICCO, Katarina KOSIČ FICCO, Teo DELIĆ, Philip SCHUCHARDT & Sara FLEETWOOD Exploration in Kučka Korita, Montenegro	73

Lee FLOREA, Sarah BURGESS, Chris BAUER, Harry GOEPEL, Brian DEVINE & Nathan CANARIS New Frontiers in the Cumberland Escarpment of Kentucky, USA	77
Bruno FROMENTO, Gaël AMIARD & Théophile CAILHOL Une exploration au cœur du Parc national des Pyrénées : la grotte Devaux	81
Marina GRANDIĆ, Lovel KUKULJAN, Valentina PLEMENČIĆ, Dino GROZIĆ, Marko RAKOVAC & Dalibor PAAR Nedam Cave - a new deep cave on Velebit Mt., Dinaric karst, Croatia	85
Ümit GÜNHAN & John FIORONI Morca Cave and its speleogenesis	89
Jean-Loup GUYOT & James APAESTEGUI Histoire et bilan des explorations spéléologiques au Pérou	93
Roman HAPKA Spéléologie aux franges des déserts : Expéditions SpéléOman de 1990 à 2020	97
Gor HOVHANNISYAN, Samvel SHAHINYAN, Mikayel SHELEMETEV, Tigran ARMENYAN & Ani HANESYAN 2013-2020 Scientific Expedition Results of the Caves in the Syunik, Shirak, Vayk regions of the Republic of Armenia and the Artsakh Republic	101
George KONTOSTAVLOS, Theologos TSALIKOGLOU, Paul CADAS, George OIKONOMIDIS, Aliki KONSOLAKI & Gerasimos BENEZIS Expedition to Zagorochoria (Epirus – NW Greece) - Marking the 70th anniversary of the Hellenic Speleological Society (H.S.S.)	105
Boaz LANGFORD, Yoav NEGEV, Antoniya VLAYKOVA, Encho ENCHEV, Efraim COHEN, Raz BEN-YAIR, Omri GASTER, Yuval SOBOLIEV & Amos FRUMKIN Malham cave, Israel, (again) the longest salt cave in the world	109
Michael LAUMANNS, Matt OLIPHANT & Nancy PISTOLE Karst and Caves of the Republic of China (Taiwan)	113
Rémy LIMAGNE Le rassemblement Berger FFS : le premier -1000 m offert à 300 spéléologues !	117
Bernard LOISELEUR Autrans-Méaudre-en-Vercors - la région de Gèvre – Évolution de la connaissance spéléologique régionale	121
Eva LOURAU, Omar ABOU NADER, Will HARDIE & Toufic ABOU NADER The Treasures of Amir Temur Cave	125
Arnauld MALARD, Ali YAMAÇ, Clément LOISEAUX, Bülent ERDEM & Olivier GENTE Review of recent explorations in western Taurus Mountains, Turkey	129
Arnauld MALARD, Bernard TOURTE, Natalia MORATA, Richard MAIRE & Stéphane JAILLET Ultima Patagonia: 20 years of expedition in patagonian karst islands of Chile	133
Ulrich MEYER The exploration of Riesending	137
Gina E. MOSELEY, Hazel A. BARTON, Christoph SPÖTL, Paul TÖCHTERLE, M. Paul SMITH, Christopher BLAKELEY, Robbie C. SHONE, Peter D. HODKINSON, Mark WRIGHT, Stig E. BJERKENÅS & Hans C. SIVERTSEN Greenland Caves Project	141
Zdenek MOTYCKA Another four years of exploration in cave systems in Riviera Maya, Mexico	145
Zdenek MOTYCKA, Michal FILIPPI & Zhang YUAN HAI Discoveries of large caves in Xionanhai Karst, Shaanxi province, China	149

Georgios OIKONOMIDIS, Charalampos CHARALAMPIDIS & Anna Maria SDRALIA Chionotrypa, a high-altitude vadose canyon in a glacier basin, Vikos Gorge, Greece	153
Georgios OIKONOMIDIS, Charalampos CHARALAMPIDIS, Dionysia DIMITRAKI, Aristeidis VARIS & Konstantinos POLYDOROPOULOS Exploration of a newly discovered cave section: the case of Nichteridon Cave, Chalkidiki, Greece	157
Tanguy RACINE & Jana ČARGA Caving in the 'Hollow Mountain': exploration of the longest cave system in Slovenia	161
Frederico Tátá REGALA, Maria José PINTO, Luís Meira PAULO, René BOBE, Vera ALDEIAS, Will ARCHER, David R. BRAUN, Jacinto MATHE, Solange MACAMO, Marion BAMFORD, Marc STALMANS & Susana CARVALHO The caves of Gorongosa National Park, Mozambique	165
Alexandra ROLLAND, Alexandre ZAPPELLI & "Tune des Renards" collective Cavers of the Lost Groundwater Collector	169
Rosario RUGGIERI, Antonio BAMBINA, Iolanda GALLETTI, Gianmarco AGOSTA, Roberto GINTOLI, Zainul Fikri MOHD IDRIS, Muhammad RIDUWAN ALI, Syed Nu'aim SYED HAMZAH, Muhammad HARIZ IBRAHIM & M. NOR SAIFUL Lenggong Karst Project (Perak, Malaysia)	173
Francesco SAURO, Laura KERBER & Loredana BESSONE Planetary caves: open windows into the future of space exploration	177
Vickie SIEGEL, William STONE & Kristof RICHMOND Exploration of Dragon's Breath Cave and Harasib Cave using an autonomous underwater vehicle	181
Robin THOMAS, Philip SCHUCHARDT & Pete JOHNSON Cave Exploration and Management on the Bridger-Teton National Forest, Wyoming USA	185
María de los Ángeles VERDE-RAMÍREZ, Ramsés Alejandro MIRANDA-GAMBOA, Alan WARILD, Benno Wolfgang FIEHRING, Gustavo VELA-TURCOTT & David CILIA-GARCÍA GEU-UNAM Explorations in Plan de Escoba, Huautla de Jiménez, Oaxaca, 2016 to 2019	189
Barbara WIELANDER & Dietmar ALLHUTER Recent Explorations in Höllengebirge, Upper Austria, 2014-2020	193
Stelios ZACHARIAS, Panagiotis PAPADAKOS, Markos DIGENIS, Alexandros MARGIOLIS, Michail TSOPELAS, Methodios PSOMAS, Chryssa MAVROKOSTA, Andreas APOKORONIOTAKIS, Konstantinos KOSTIDIS, Ifiyenia PAPAMATTHAIAKI, Ioannis SOULTATOS & Kostas ADAMOPOULOS Sternes: the deep cave in the White Mountains (Lefka Ori) of Crete (Greece), still attracting cave explorers	197
Leda A. ZOGBI, Aécio Rodrigo S. MOTTA & Lucas P. S. GODINHO "Mãos" cave, an unknown treasure in the heart of the Amazon, Brazil	201
Simon BROOKS The development of caving and cave exploration in Iran – as an insight to this hospitable and fascinating country and its people	205
Weihai CHEN, Yuanhai ZHANG & Lina SHEN The Overview of Karst Caves in China	206
Pierre-Yves JEANIN Connexion at -1000 m to Kijahe Xontjoa system (Cerro Rabon, Mexico)	207
Rolf SIEGENTHALER Pour quand la connexion du Bärenschacht avec le Réseau des Siebenhengste-Hohgant ?	208

Symposium 10 : Histoire de la spéléologie / History of Speleology

Bernard CHIROL, Johannes MATTES & Pierre-Olaf SCHUT History of Speleology	211
Christophe GAUCHON Bernard Gèze (1913-1996) : sa personnalité et son rôle dans la création de l'UIS	213
Sandra KLOS Contested memories and memorable continuities. Austrian Geographer Hugo Hassinger (1877–1952) and his legacy within speleology	217
Alain DOLE L'abbé Bernard Abadie, Passeur de savoirs, d'espaces et de temps	221
Oier GOROSABEL Félix Ruiz de Arcaute, forjador de cadenas	225
Konstantina ARETAKI The Pioneers of Cretan Speleology (Greece) I : Paul Faure	229
Maurizio TAVAGNUTTI Federico de Comelli von Stuckenfeld e la ricerca dell'acqua potabile a Gorizia alla fine del 1800	233
Luciano Emerich FARIA, Antoniel Silva FERNANDES, Marcos Giovanni MOREIRA, Jussara da Silva Diniz LIMA & Débora Evelyn Vieira ALMEIDA Peter W. Lund's first steps in the caves of Minas Gerais (BR) - the 220 years of birth of this incredible scientist	237
Johnny TAWK, Fadi Henri NADER & Ronald SULTANEM Sami Karkabi & the Spéléo Club du Liban	241
Ayoub NEHILI, Yahia EL KHALKI et Hicham BENANI Chronologie et évolution de la spéléologie au Maroc	245
Paul CADAS, Theologos TSALIKOGLOU & George KONTOSTAVLOS The Hellenic Speleological Society (1950-2020). Marking 70 years of speleology in Greece	249
Gyula HEGEDŰS 60 years for cavers in Hungary. History of Hungarian Cave Rescue Service	253
Tom Dias Motta MORITA, Bárbara da Silva ERNANDES, Priscila de OLIVEIRA, Lúcio Dias Cruz MASSARI, Lucas Padoan de Sá GODINHO, Henrique Albuquerque FERNANDES, Daniel Bittencourt GOLDNER, Paulo César BOGGIANI & Ivo KARMANN Historical importance of GGeo group for the development of Brazilian karst research	257
Henk GOOUTIER & Gerard CAMPION History and future activities of the European Speleological Federation FSE	261
Bernard CHIROL Commentaires de lecture sur l'exploration des grottes de La Balme (38) avant la Révolution Française	265
Éric de VALICOURT La grotte d'Espalungue, une grotte touristique au XIXe siècle	269
Philippe FLEURY Diau cave (France): history of its exploration and caving practices	273
Lionel BARRIQUAND, Daniel VERGNAUD, Matthieu DUCHASSIN, Françoise GARDETTE & Jean-René CHEVALLIER The Cailleverdière Cave at Blanot (Saône-et-Loire, France) and Benoît Dumolin, a precursor site for speleology, karstology and underground tourism (1739-1939)	277

Jean-Yves BIGOT, Laurent BRUXELLES, Jean-Louis GALERA & Michel WIENIN	
The absence of signatures from the XVIIIth century in two caves of the south border of the Massif Central (France). The cases of Faux-monnayeurs Cave (Millau, Aveyron) and Protestants Cave (Saint-Hippolyte-du-Fort, Gard)	281
Christophe GAUCHON	
Histoire de la spéléologie en Savoie	285
Yuanhai ZHANG & Weihai CHEN	
Research History of Guangxi Karst, Southwest China	289
Johannes MATTES & Otilie MANEGOLD	
Career paths of women in speleology: A historical analysis on the example of the earth scientists Elise Hofmann & Maria Mottl	293
Luiz Afonso V. FIGUEIREDO, Arnaldo A. SILVA-JUNIOR & Robson de A. ZAMPAULO	
Scientific research and academic qualification in speleology and related themes: historical aspects and scientific genealogy in Brazil (1945-2020)	297
Pierre-Olaf SCHUT	
La place de la spéléologie dans les politiques sportives en France depuis les années 1980	301
Claude MOURET	
A significant part of the History of speleology: war actions in caves and karst areas	305
Friedhart KNOLLE & Rudolf G. A. FRICKE	
Worldwide first evidence of underground radioactivity in Harz Mts. caves, Germany	309
David N. BRISON	
Cave inspired Music database Website	313
Claude MOURET	
Buddhist and animist practices in caves of Myanmar (ex-Burma)	317
Claude MOURET	
Ancient religious use of caves in Khammouane, Laos	321
Raphael PARRA, Nadine PIVETTA, Camilla CASELLA, Ricardo COELHO, Rogério Dell' ANTONIO & Eduardo BERGO	
Espeleo Grupo Rio Claro: 40 Years of History in Brazil	325

Symposium 13 : Cavités artificielles / Artificial cavities

Silvain YART	
Artificial cavities / Cavités artificielles	331
Jean-Claude STAIGRE & Jean-Luc AUDAM	
Le patrimoine souterrain artificiel de la craie normande	333
Vincent ACHERÉ & Marie-Camille VIVANT-FUSTER	
Typologie des caves chartraines	337
Clément ALIX & Daniel MORLEGHEM	
Inventaire et typo-chronologie des carrières et caves-carrières d'Orléans (Loiret, France)	341
Alexandre PHILIPPE, Ludovic DORE, Thomas JACOB, Silvain YART & Imed KSIBI	
Rediscovering the largest underground artificial cavity in Orléans	345

Jean-Paul KUNDURA, Marie-Hélène KUNDURA, Marc LEVIEL, Simon PUAUD, Catherine BOISSON & Jean-Jacques CHARBONNIER	
La cave-carrière Delacroix (Ivry-sur-Seine, Val- de-Marne, France) : dernier témoin accessible du Lutétien moyen en région parisienne et témoin oublié d'innovations industrielles de la fin du XIXème siècle	349
Manon ROUTHIAU	
Premières approches méthodologiques et architecturales des structures rupestres (hors église) dans le paysage de Lalibela (Éthiopie)	353
Daniel MORLEGHEM	
Le souterrain aménagé de la Fosse Rouge à Couziers (Indre-et-Loire, France)	357
Gwenaël ROY & Nicolas HOLZEM	
Évolution structurelle et fonctionnelle d'un souterrain à Betz-le-Château dans l'Indre-et- Loire (France), du Moyen Âge à nos jours	361
Xavier PENNEC & Marie Christine BAILLY-MAITRE	
La mine du Milieu : une mine de très haute altitude préservée par un glacier	365
Traian MINGHIRAŞ, Tudor TĂMAŞ, Alexandru MUREŞAN & Tamás PANDI	
The medieval mine from Dealul Crucii (Baia Mare, Romania)	369
Alexandru MUREŞAN, Traian MINGHIRAŞ, Dragoş CONȚIU & Tudor TĂMAŞ	
The Thurzó canal: a XVIth century aqueduct from Baia Mare (Maramureş, Romania)	373
Mathieu FERNANDEZ, Philippe BRANCHU, Emmanuel DUMONT, André GUILLERME, Laurence LESTEL, Edwige PONS-BRANCHU & David RAMIER	
Amélioration de l'information spatiale concernant des infrastructures hydrauliques disparues : les anciens aqueducs de Paris	377
Luciano Emerich FARIA, Bruna Borges Sena LEITE, Antoniel Silva FERNANDES, Jussara da Silva Diniz LIMA & Renato Costa SOARES	
The artificial caves in the city of Rio de Janeiro (BR) and their historical and scientific context	381
Josiane LIPS	
La faune des souterrains de Lyon (France)	385
Marie-Élise PORQUEDDU, Anaïs LAMESA & Claudia SCIUTO	
IRAAR: A project for promoting the study of rock-cut sites and quarries	389
Tudor TĂMAŞ, Simona Cinta PINZARU & Szabolcs Attila KÖVECSI	
Note on the artificial cavity from Cetatea Fetesti (Floreşti, Romania)	393

Symposium 17 : Plongée souterraine / Cave diving

Anne-Laure VULLIEN	
Cave diving / Plongée souterraine	397
David BIANZANI	
Grotte de Bournillon	399
Philippe BRUNET	
Les rivières sous Lifou	403
Karol KYŠKA, Daniel HUTŇAN, Leo FANCELLO, Roberto LORU & Miroslav MANHART	
Sardinia, Bue Marino – Su Molente	407

Stéphane LIPS & Manu TESSANNE Prerouge, 8 au 10 février 2015 : le bout du rêve ?	411
Rui F. LUÍS, Pedro I. ARRIEGAS & Armando RIBEIRO Underwater exploration on Alviela Spring, Portugal – One of the deepest underwater cave in the world	415
Xavier MENISCUS, Jean-Claude PINNA & David BIANZANI Émergence de Bourne	419