

250 Million Years of Earth History in Central Italy: Celebrating 25 Years of the Geological Observatory of Coldigioco

edited by

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Cover: Monte San Vicino (1485 m asl) is one of the tallest peaks of the NW-SE-trending Marche ridge anticlinorium, and it is made up of the lower Jurassic Calcare Massiccio Formation, a massive carbonate platform limestone representing the oldest exposed stratigraphic unit of the Umbria-Marche succession. Its trapezoidal shape is reminiscent of a Jurassic horst embedded in, and covered by the multilayer, lower Jurassic-lower Neogene pelagic carbonate succession. The slopes of Monte San Vicino shown in the photo represent the northeastern limb of the anticlinorium, and are made up of the whole Umbria-Marche pelagic carbonate succession. The mid-Pleistocene Coldigioco Alluvial Fan is incised on the left (south) by the Il Crino creek, and on the right (north) by the Frontale creek. On the crest of this elongated hill in the foreground of the picture is the hamlet of Coldigioco with its geological observatory. Unmanned aerial vehicle photo courtesy of Alessandro Montanari.

Contents

<i>Preface</i>	vii
Christian Koeberl	
<i>The little big history of the Geological Observatory of Coldigioco</i>	ix
Alessandro Montanari	
1. A review of the Earth history record in the Cretaceous, Paleogene, and Neogene pelagic carbonates of the Umbria-Marche Apennines (Italy): Twenty-five years of the Geological Observatory of Coldigioco	1
Walter Alvarez	
2. Thermophysical properties and mineralogical composition of the Umbria-Marche carbonate succession (central Italy)	59
Jessica Chicco, Massimo Verdoya, Gabriele Giuli, and Chiara Invernizzi	
3. Model for development of small carbonate platforms in the Umbria-Marche Apennines supported by strontium isotope stratigraphy	69
Steven P. Lundblad	
4. Cyclostratigraphic investigations in the Calcarea Massiccio (Early Jurassic, Umbria-Marche Basin) through photogrammetry	87
Luca Penasa, Marco Franceschi, Giovanni Gattolin, Nereo Preto, Marc-Pierrot Deseilligny, and Alessandro Montanari	
5. $^{87}\text{Sr}/^{86}\text{Sr}$ record from the Lower Cretaceous pelagic Maiolica limestone (Central Apennines, Italy) and its offset from the global seawater reference curve	105
J. Belza, W. Alvarez, F. Vanhaecke, and P. Claeys	
6. Terrestrial Cr-spinels in the Maiolica limestone: Where are they from?	121
Davide Lenaz, Birger Schmitz, and Walter Alvarez	
7. Multiproxy Cretaceous-Paleogene boundary event stratigraphy: An Umbria-Marche basinwide perspective	133
Matthias Sinnesael, Alessandro Montanari, Fabrizio Frontalini, Rodolfo Coccioni, Jérôme Gattacceca, Christophe Snoeck, Wencke Wegner, Christian Koeberl, Leah E. Morgan, Niels J. de Winter, Donald J. DePaolo, and Philippe Claeys	
8. Zircon provenance analysis from Lower Paleocene pelagic limestones of the Bottaccione section at Gubbio (Umbria-Marche basin, Italy)	159
L.E. Aguirre-Palafox, W. Alvarez, S. Boschi, E. Martin, and B. Schmitz	

9. Seismicity of central Italy in the context of the geological history of the Umbria-Marche Apennines	175
Massimiliano R. Barchi and Cristiano Collettini	
10. The role of structural inheritance in the evolution of fold-and-thrust belts: Insights from the Umbria-Marche Apennines, Italy	191
Enrico Tavarnelli, Vittorio Scisciani, Stefano Patruno, Fernando Calamita, Paolo Pace, and David Iacopini	
11. Synsedimentary deformation in Upper Cretaceous–Lower Paleogene limestones within a thrust anticline of the Umbria-Marche Apennines, Italy	213
Sofia Tognaccini, Enrico Tavarnelli, and Alessandro Montanari	
12. Expansion breccias in Lower Cretaceous Apennine pelagic limestones: I. Geological observations	229
Walter Alvarez, Joke Belza, Lung S. Chan, Philippe Claeys, Peter Geiser, Marco Menichetti, David H. Shimabukuro, and Enrico Tavarnelli	
13. Expansion breccias in Lower Cretaceous Apennine pelagic limestones: II. Geochemical constraints on their origin	251
J. Belza, W. Alvarez, E. Tavarnelli, F. Vanhaecke, J.-M. Baele, and P. Claeys	
14. What causes mass extinctions? Large asteroid/comet impacts, flood-basalt volcanism, and ocean anoxia—Correlations and cycles	271
Michael R. Rampino, Ken Caldeira, and Andreas Prokoph	
15. A record of the micrometeorite flux during an enigmatic extraterrestrial ³He anomaly in the Turonian (Late Cretaceous)	303
Ellinor Martin, Birger Schmitz, and Alessandro Montanari	
16. Cretaceous–Paleogene boundary tsunamite on the Adriatic carbonate platform and possible source of a hypothetical Atlantic-to-western-Tethys megatsunami	319
Tvrčko Korbar	
17. Reconnaissance reassessment of the late Eocene Oceanic unit, Barbados: Microtektite geochemistry, zircon U-Pb geochronology, micropaleontology, and provenance	333
John Weber, Brent Wilson, Christian Koeberl, Paul O’ Sullivan, Ray Donelick, and Esther S. Posner	
18. Late Eocene impact ejecta in Italy: Attempts to constrain the impactor composition from isotopic analyses of spinel-rich samples	347
Christian Koeberl, Alessandro Montanari, Toni Schulz, Jonas Tusch, Berengere Mougel, and Frédéric Moynier	
19. Popigai impact ejecta layer and extraterrestrial spinels recovered in a new Italian location—The Monte Vaccaro section (Marche Apennines, Italy)	355
Samuele Boschi, Birger Schmitz, Fredrik Terfelt, Linus Ros, Mikael Elfman, Per Kristiansson, Camilla Sulas, Simonetta Monechi, and Alessandro Montanari	
20. Positive Ir anomaly at 6.19 m, Massignano, Italy: Most likely not from the Chesapeake Bay impact	369
B.P. Glass	

21. *Distribution of chrome-spinel grains across the ^3He anomaly of the Tortonian Stage at the Monte dei Corvi section, Italy* 383
Samuele Boschi, Birger Schmitz, and Alessandro Montanari
22. *Paleoclimate implications of earliest Pleistocene tree rings from the Dunarobba Fossil Forest, Umbria, Italy* 393
David M. Bice, Adam Csank, Alison Macalady, Alessandro Montanari, Devin Tierney, and Angela Balanza
23. *Luminescence geochronology of Pleistocene slack-water deposits in the Frasassi hypogenic cave system, Italy* 411
Alessandro Montanari, Christopher Lüthgens, Johanna Lomax, Maurizio Mainiero, Sandro Mariani, and Markus Fiebig
24. *Implications for central Italy paleoclimate from 95,000 yr B.P. until the early Holocene as evident from Frasassi Cave speleothems* 429
Gerhard Kudielka, Miryam Bar-Matthews, Mabs Gilmour, Avner Ayalon, Christian Koeberl, and Alessandro Montanari
25. *Late Pleistocene tectonic tilting of the Frasassi anticline from offset stalagmites in the Grotta Grande del Vento (Marche, Italy)* 447
David M. Bice, Michael Lacroce, David McGee, and Alessandro Montanari
26. *Last Glacial Maximum giant sand dunes on the island of Vis, Croatia* 459
Lara Wacha, Alessandro Montanari, Johanna Lomax, Markus Fiebig, Christopher Lüthgens, Tvrtko Korbar, and Christian Koeberl
27. *Provenance studies of amphorae from the Greek colony Pharos on the island of Hvar, Croatia* 471
Maja Miše, V. Serneels, A. Matana, A. Montanari, and B. Kirigin
28. *Pelagosite revisited: The origin and significance of a laminated aragonitic encrustation of Mediterranean supralittoral rocks* 501
Alessandro Montanari, David M. Bice, A.J. Timothy Jull, Anatolij B. Kudryavtsev, Jennifer L. Macalady, Irene Schaperdoth, Warren D. Sharp, David Shimabukuro, William J. Schopf, and Visnja Vucetić

