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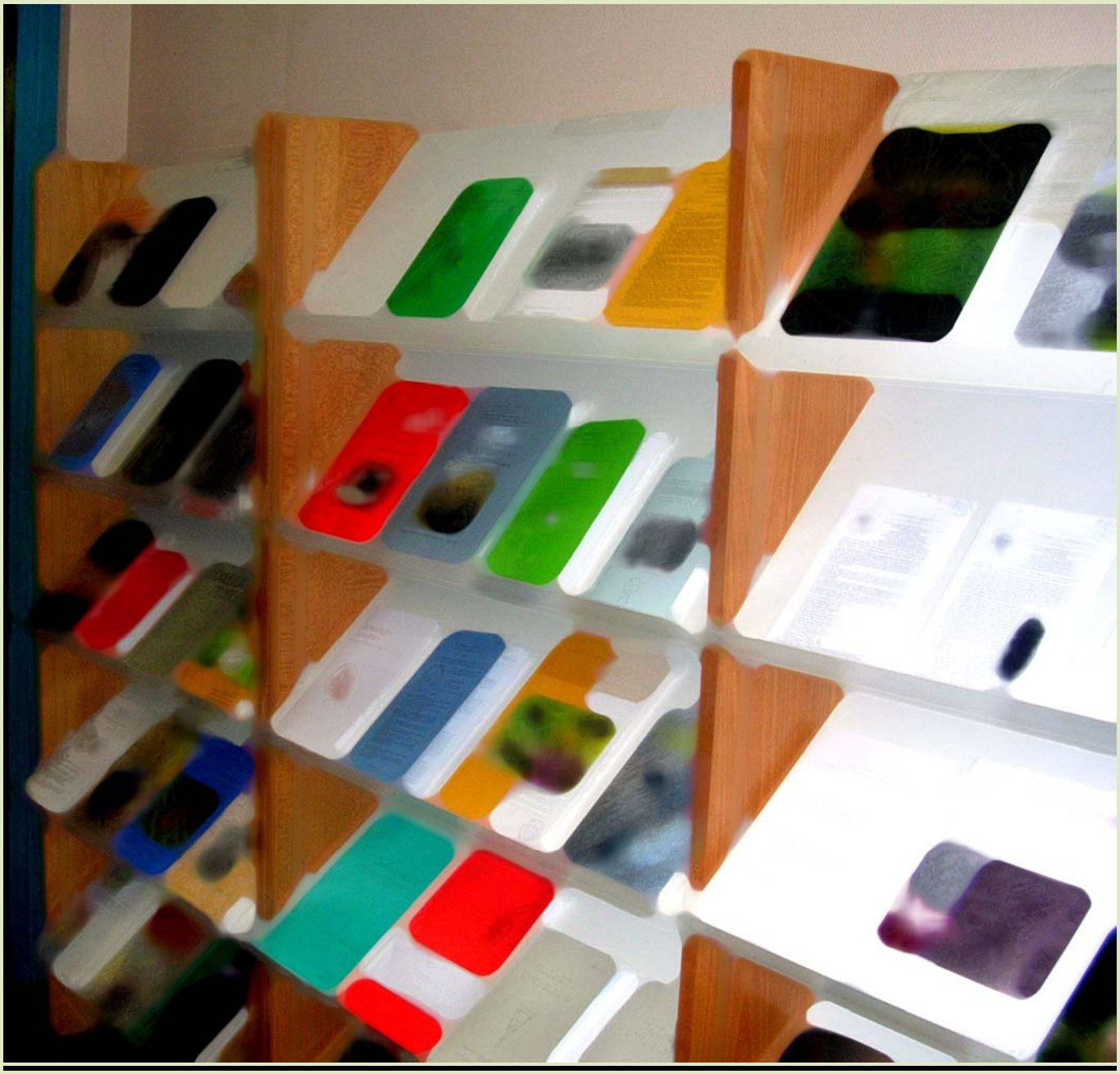

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American Journal of Science

AN INTERNATIONAL EARTH SCIENCE JOURNAL

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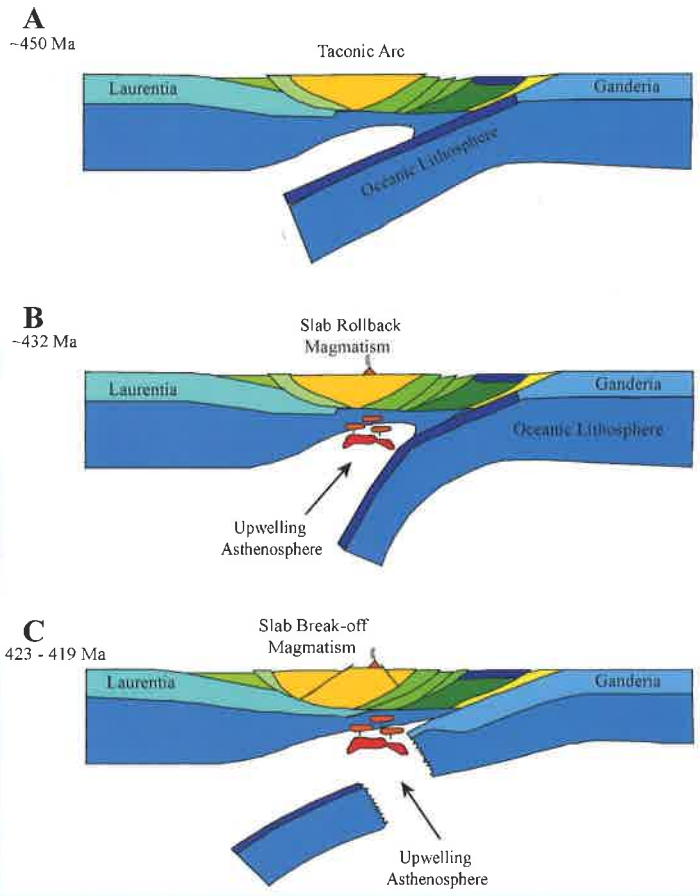

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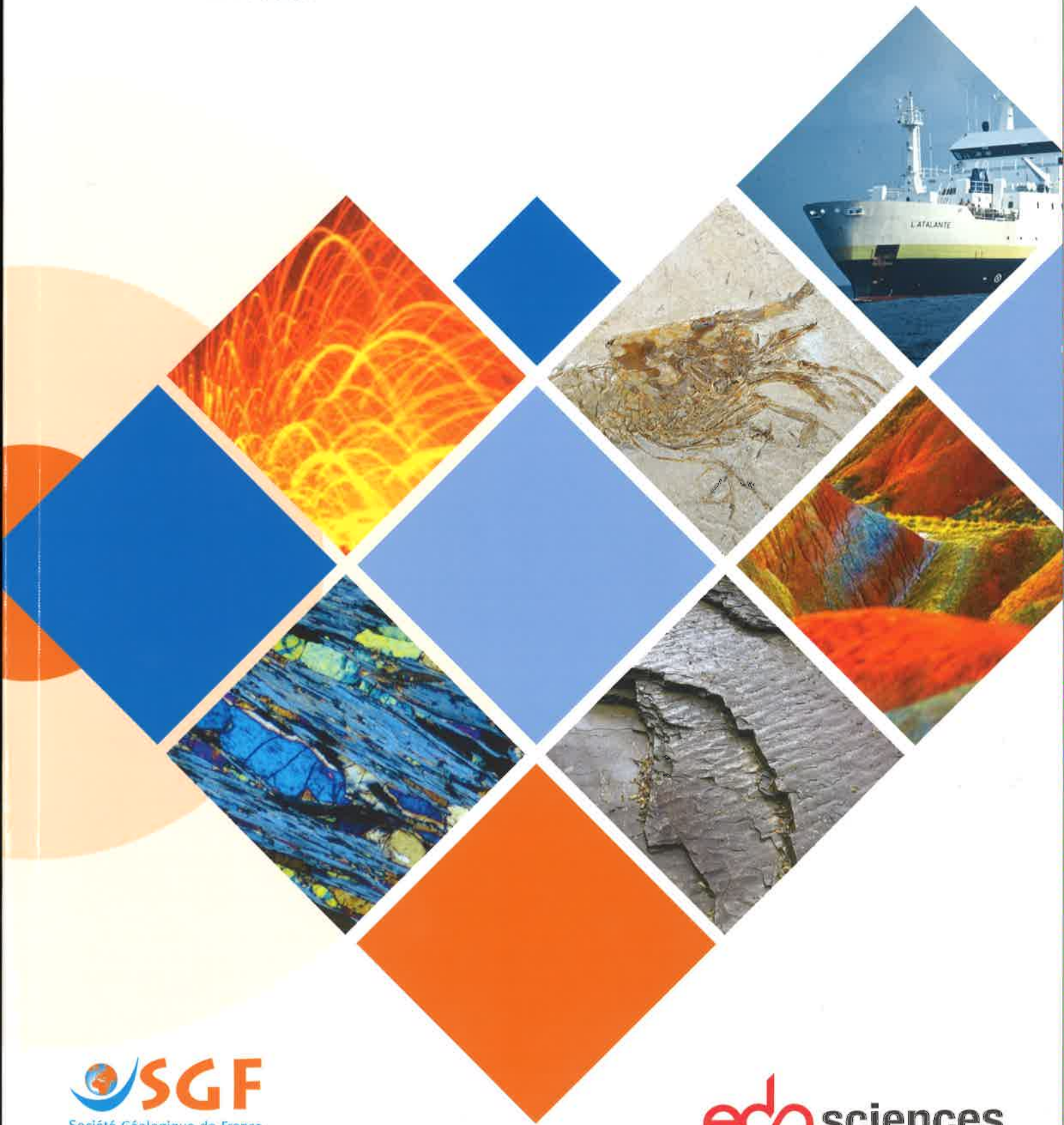

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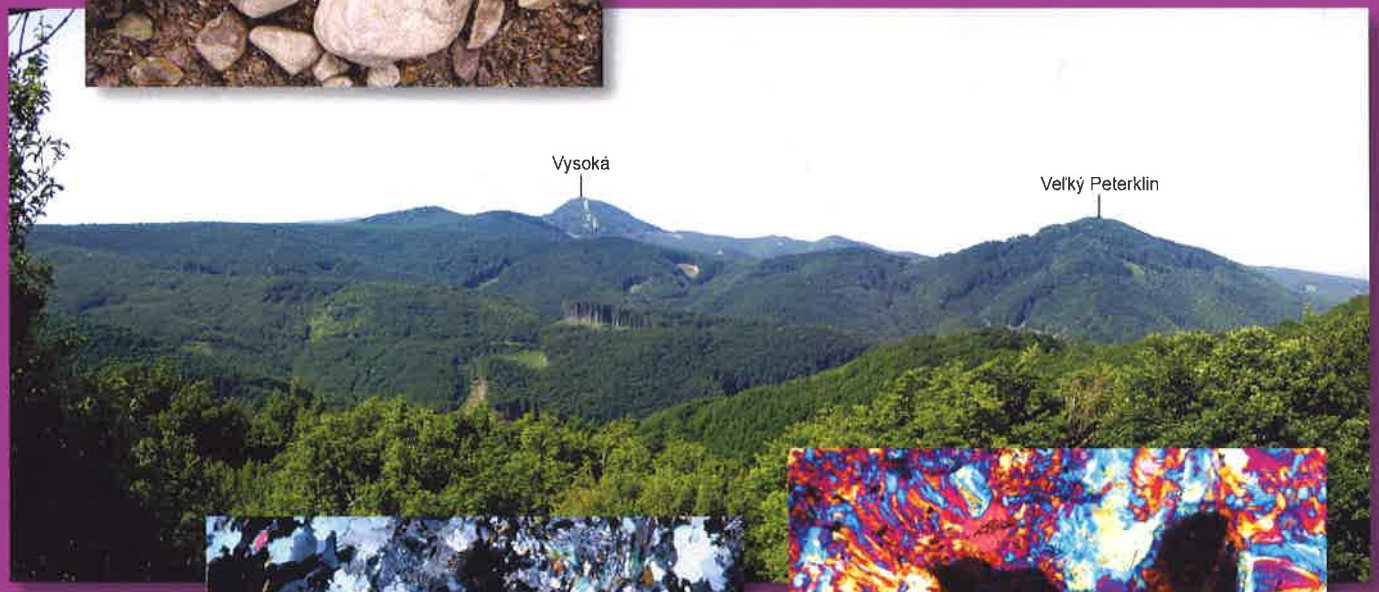

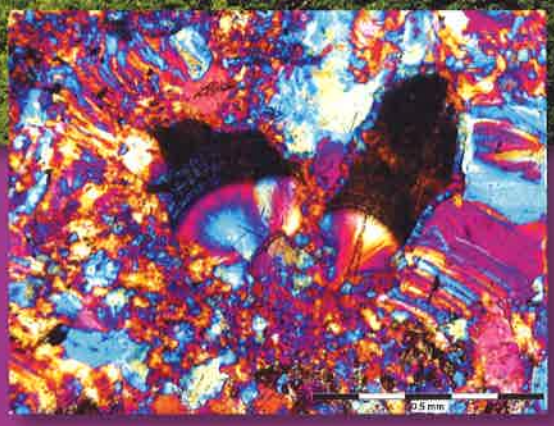

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COVER: 1 – View from the Vápenná mountain ridge towards horizon with dominating massifs of Vysoká (e. p. 754 m) and Veľký Peterklin (e. p. 587 m, on the right), the latter giving the name to the Peterklin Beds conglomerates of Permian Malužiná Fm. (Hronic Unit of the Malé Karpaty Mts.). Photo: M. Olšavský. 2 – The pebble-material consisting predominantly of mylonitized granitoids derived from the polymict conglomerate of the Peterklin Beds (localized to SSW from e. p. Klokoč). Photo: M. Olšavský. 3 – Microphoto of diapthorized leucocrate granite pebble (crossed nicols). Photo: M. Kováčik. 4 – The microphoto of the chalcedony radial forms (in the middle) with (+) optic sign, coexisting with ankerite, points to Late Carboniferous minerallization period (crossed nicols with inserted gypsum plate). Photo: M. Kováčik. Further details about this topic are presented in the paper by Kováčik and Olšavský in this issue of the journal.

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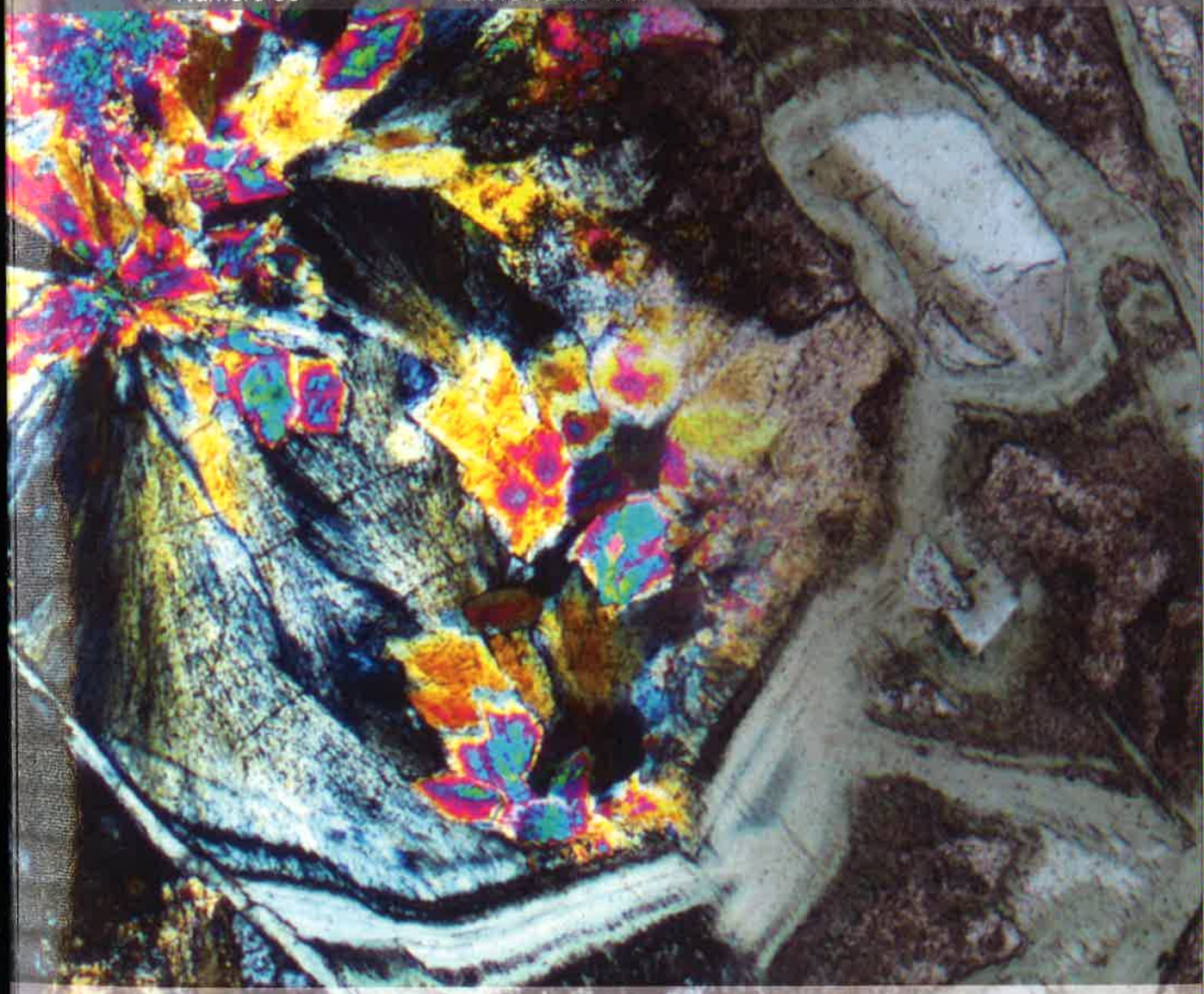

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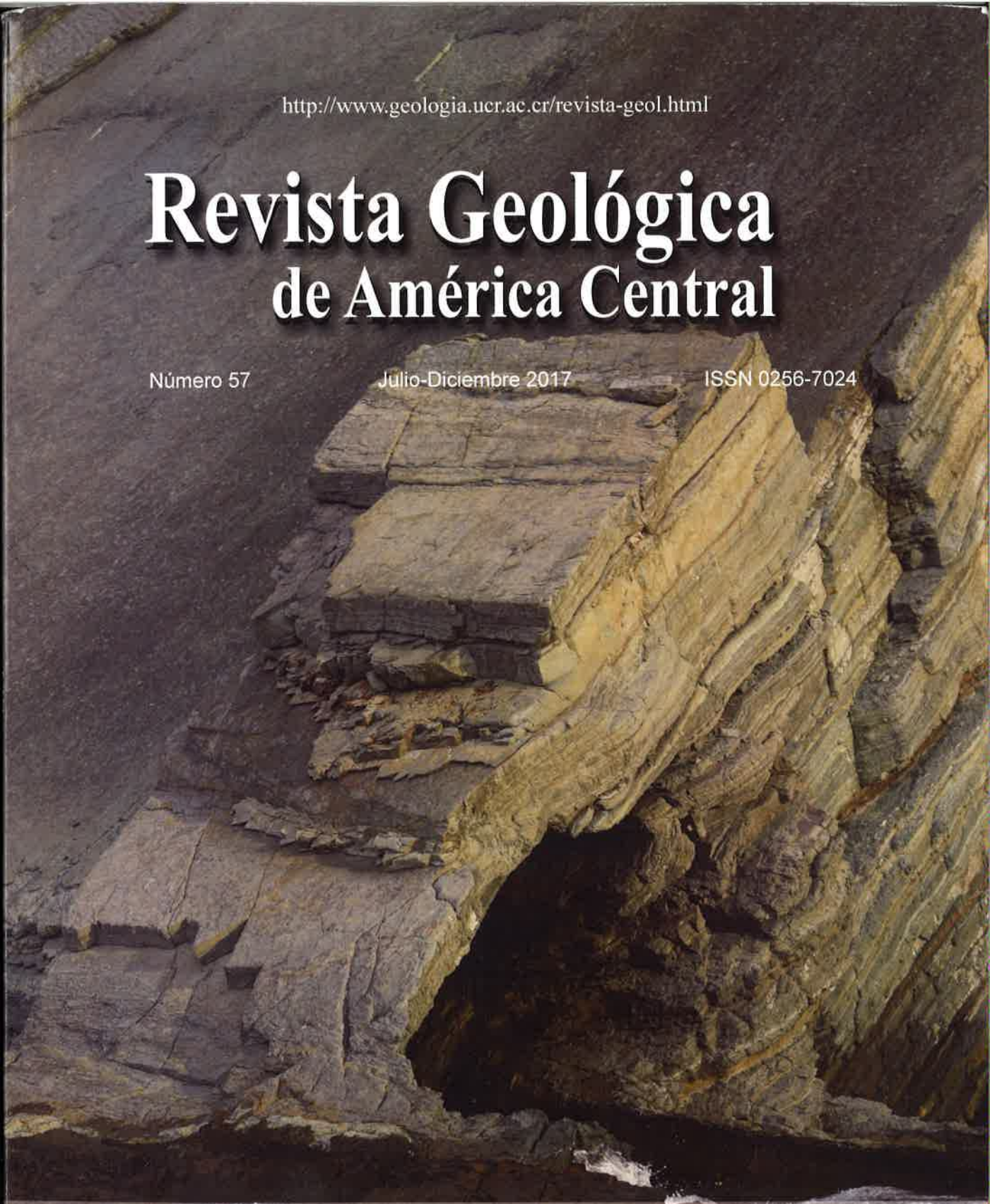

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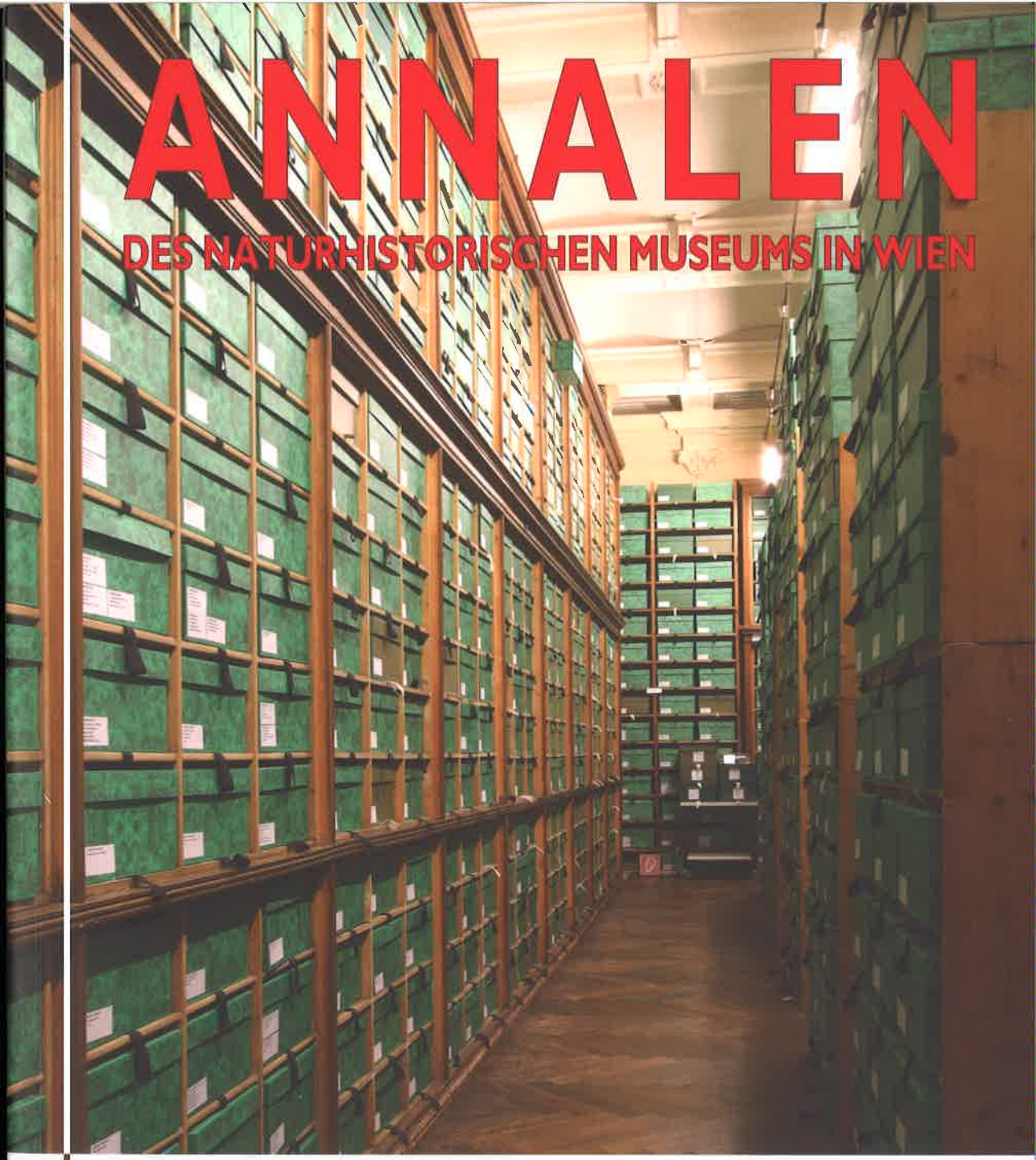

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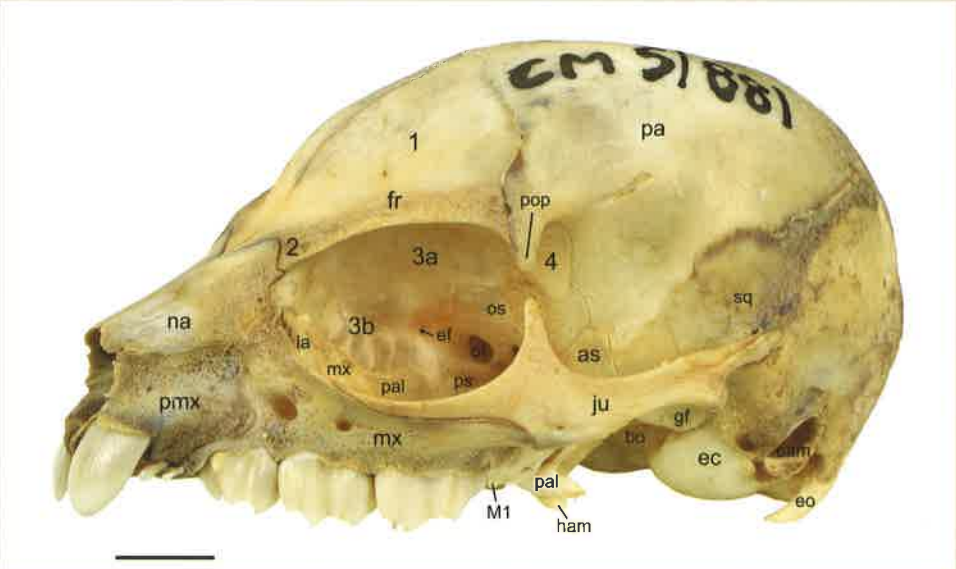

Skull of a newborn female rock hyrax, *Procavia capensis*, from the Cincinnati Zoo (September 29, 1976) in the collection of the Section of Mammals, Carnegie Museum of Natural History (CM 51881). Scale equals 5 mm. (John R. Wible and Abagael R. West: The basicranial axis in the rock hyrax, *Procavia capensis* (Pallas, 1766) (Mammalia, Afrotheria, Hyracoidea): novel structure of the frontal bone.)

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Peter K. L. Ng, Hsi-Te Shih, Ping-Ho Ho and Chia-Hsiang Wang
黃禮麟、施習德、何平合、王嘉祥

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ON THE STATUS OF *CYRTODACTYLUS MALCOLMSMITHI* (CONSTABLE, 1949)

ISHAN AGARWAL,[1] VARAD B. GIRI,[2] AND AARON M. BAUER[1]

ABSTRACT. *Cyrtodactylus malcolmsmithi* was described by Constable in 1949 in the genus *Gymnodactylus* on the basis of its apparently undivided subdigital lamellae. The species has not been collected since and only finds mention in some checklists and new *Cyrtodactylus* descriptions. We recently examined the holotype and paratype of this enigmatic taxon and discovered that the subdigital lamellae are divided. The species is accordingly transferred to the genus *Hemidactylus*, within which it is a member of the *Hemidactylus brookii* complex and a valid species, *Hemidactylus malcolmsmithi* comb. nov. We assign recently sampled populations to this taxon and provide a diagnosis against congeners from the Indian subcontinent and a summary of characters for the species.

KEY WORDS: Gekkonidae; *Hemidactylus*; *Hemidactylus brookii* complex; *Hemidactylus malcolmsmithi*; India; South Asia

INTRODUCTION

The single largest contributor of Indian reptile specimens to the Museum of Comparative Zoology, Harvard (MCZ) was M. M. Carleton (1826–1898), an American Presbyterian minister who moved to India in 1854, collecting in northern India in what are today the states of Punjab, Haryana, and Himachal Pradesh (Anonymous, 1898). Two-hundred thirty reptile specimens were contributed by Carleton between 1871 and 1880 (Constable, 1949), which include 108 of the 370 Indian lizard specimens at the MCZ (http://mczbase.mcz.harvard.edu). Constable (1949) reviewed the Indian reptiles in the collections of the MCZ, describing a new gecko, *Gymnodactylus malcolmsmithi* Constable, 1949, on the basis of two specimens from northern India collected by Carleton. He described the poorly preserved specimens as "swollen and macerated" and found it difficult to determine the condition of the subdigital lamellae, remarking that the digits were moderately dilated with indications of a few divided lamellae in the holotype. Constable (1949) followed the opinion of Mal-

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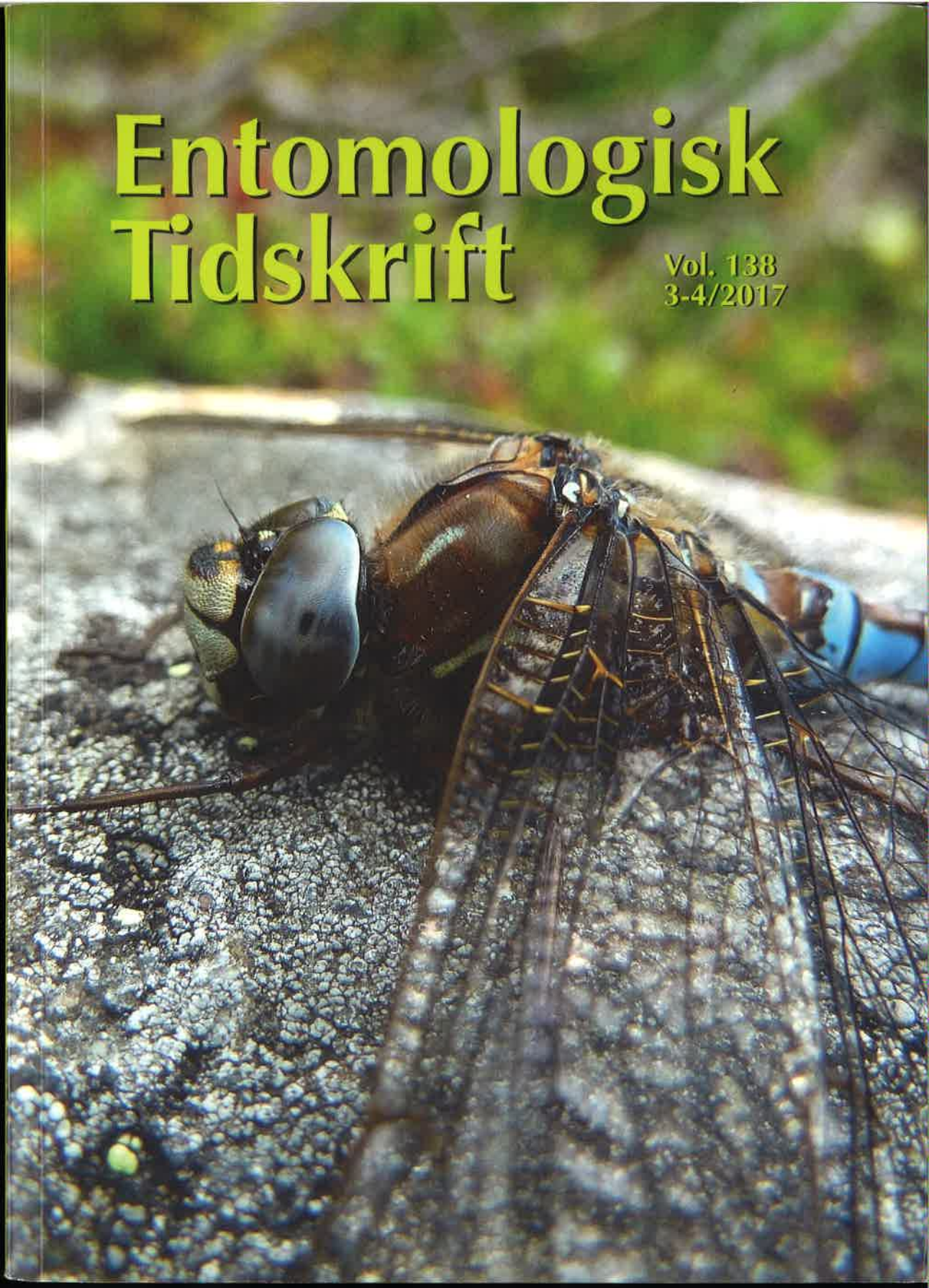

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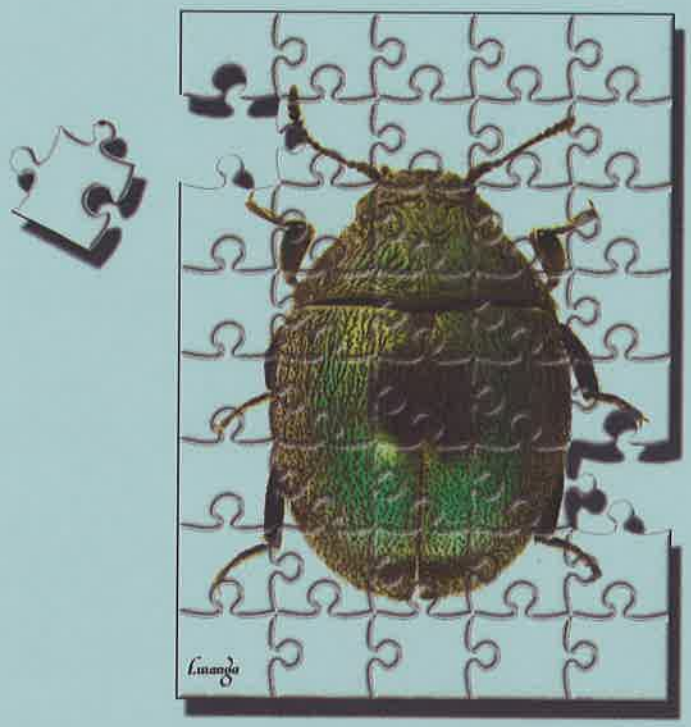

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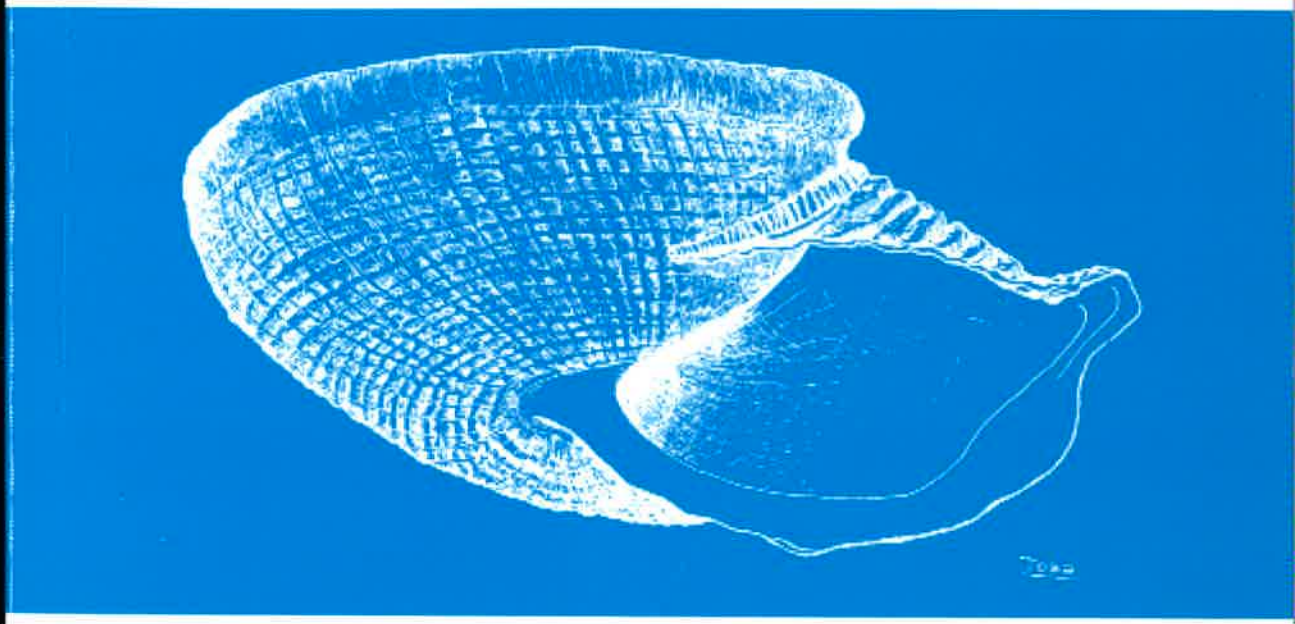

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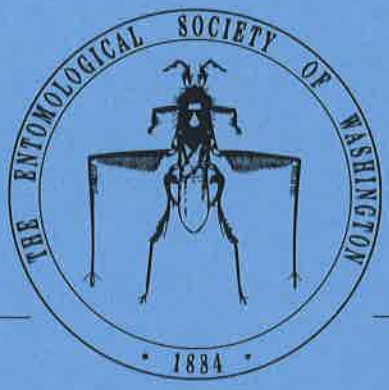

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