



**EARLY AND MIDDLE FRASNIAN OSTRACODS FROM DEVILS GATE
(NEVADA, USA) AND THEIR ENVIRONMENTAL SETTING
RELATION WITH THE ALAMO EVENT**

by

Jean-Georges Casier, Ivan Berra, Ewa Olempska & Alain Préat

**Royal Belgian Institute of natural Sciences
University of Brussels - Polska Akademia Nauk**

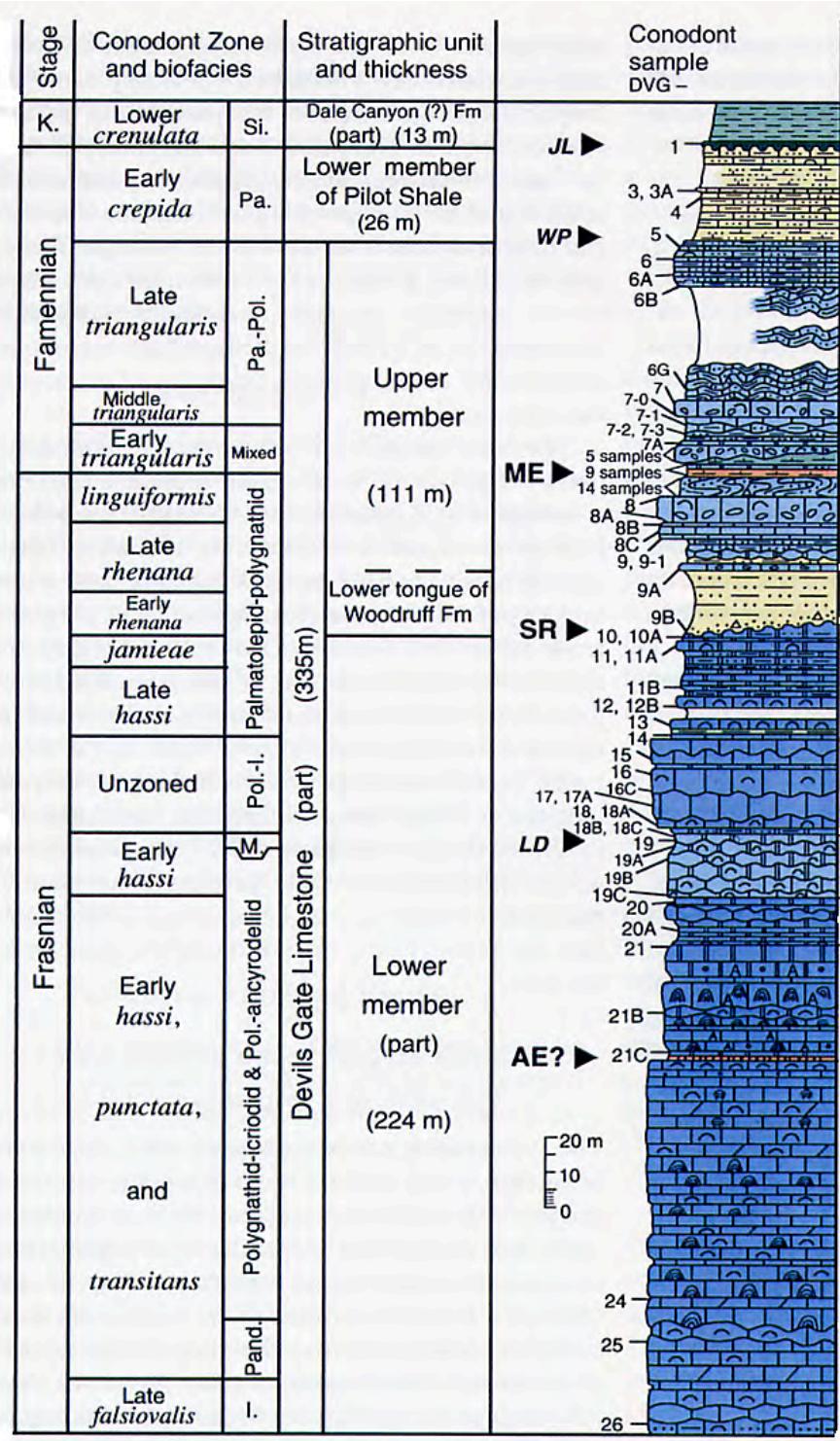
FRFC 2.4501.02 of FNRS and 3P04D 040 22 of CSR

DEVILS GATE SECTION



Devils Gate section

Sandberg *et. al.*, 2003







10 m of shales, calcareous mudstones and argillaceous limestones
encompasses the Frasnian - Famennian boundary



Large flows of carbonate-rich siltstones



Frasnian - Famennian boundary

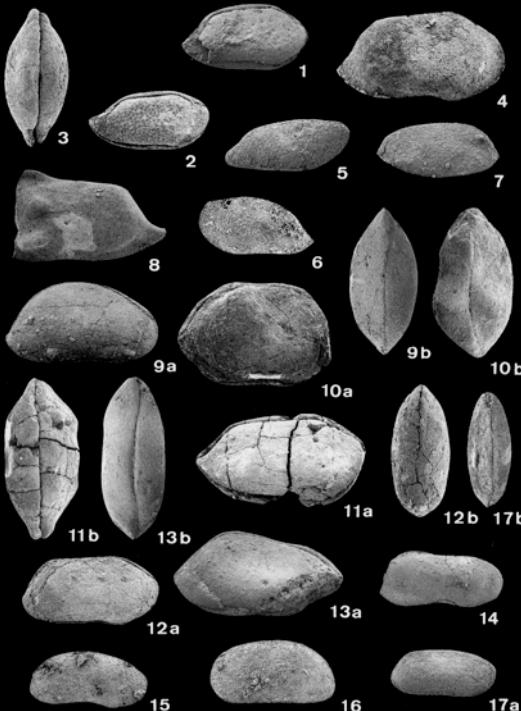
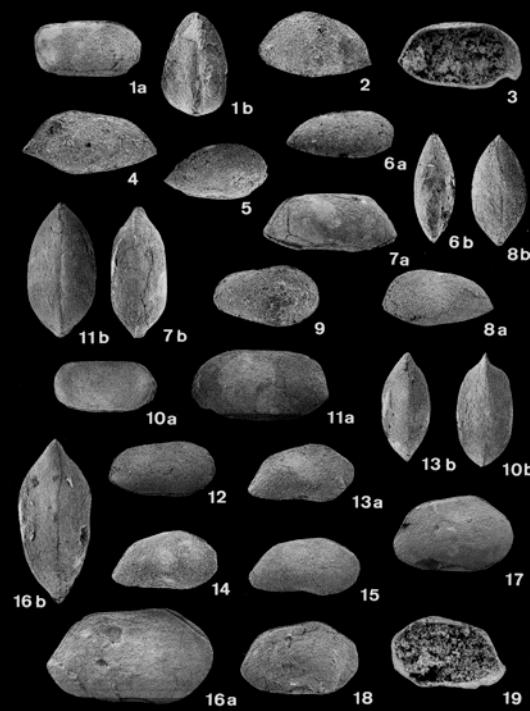
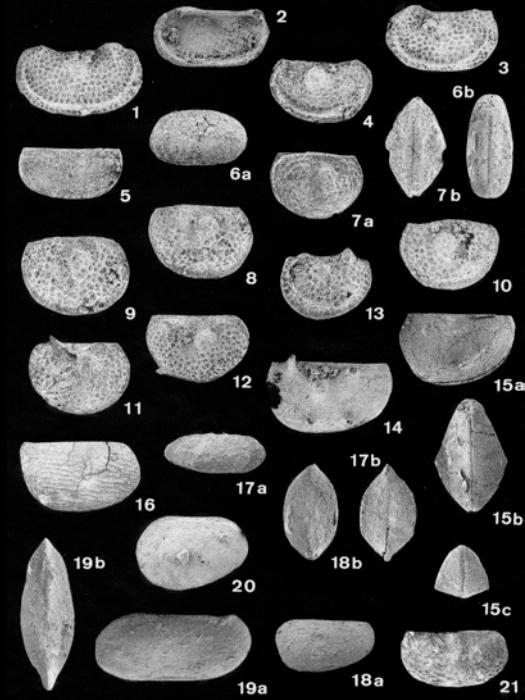
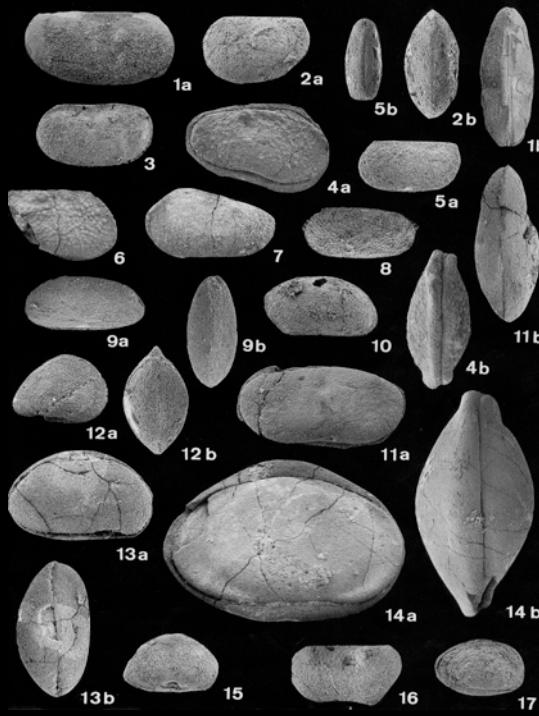


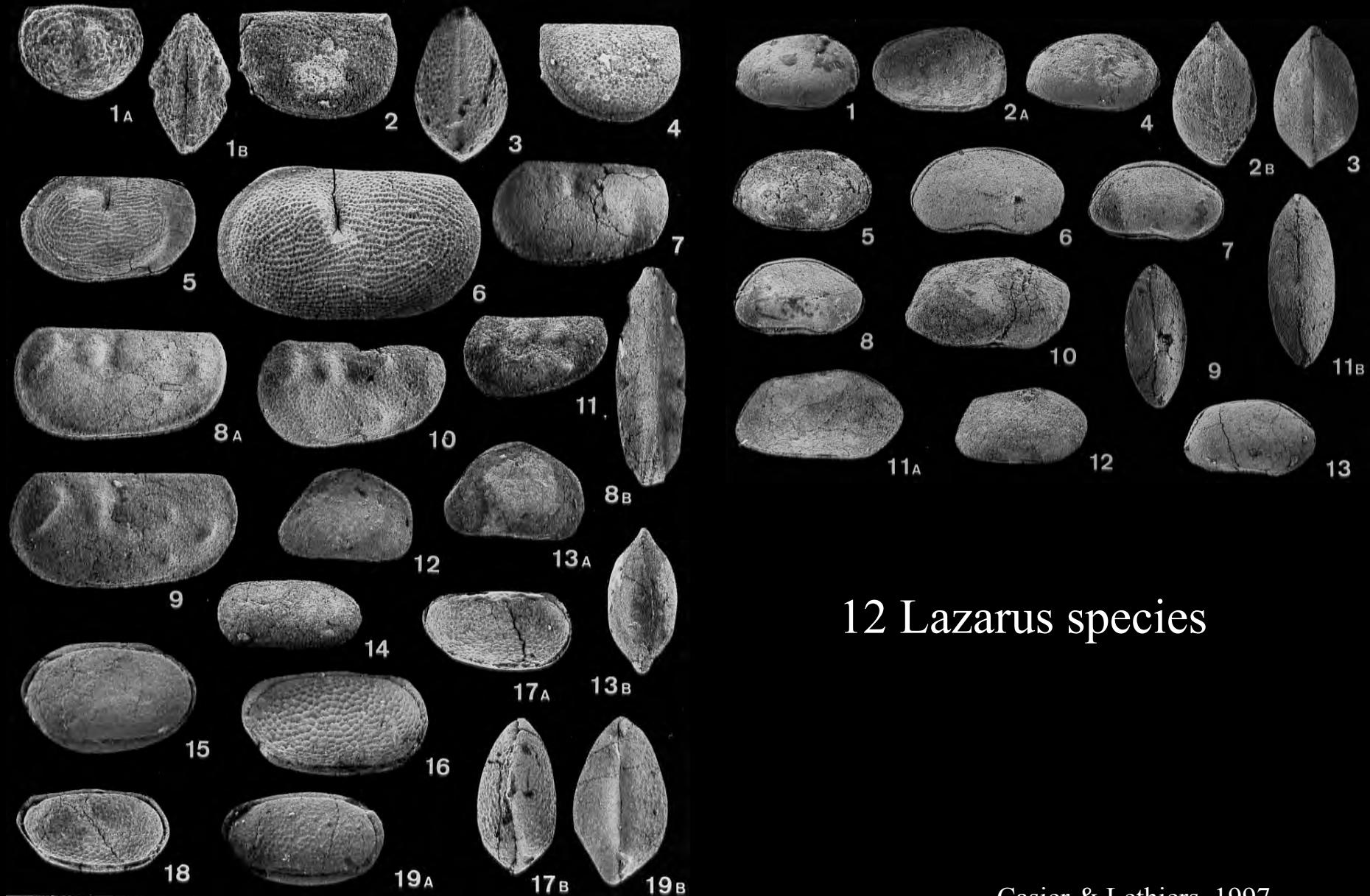
5 m-thick breccia in the
late part of the Early
triangularis Zone



Sill of Alaskite

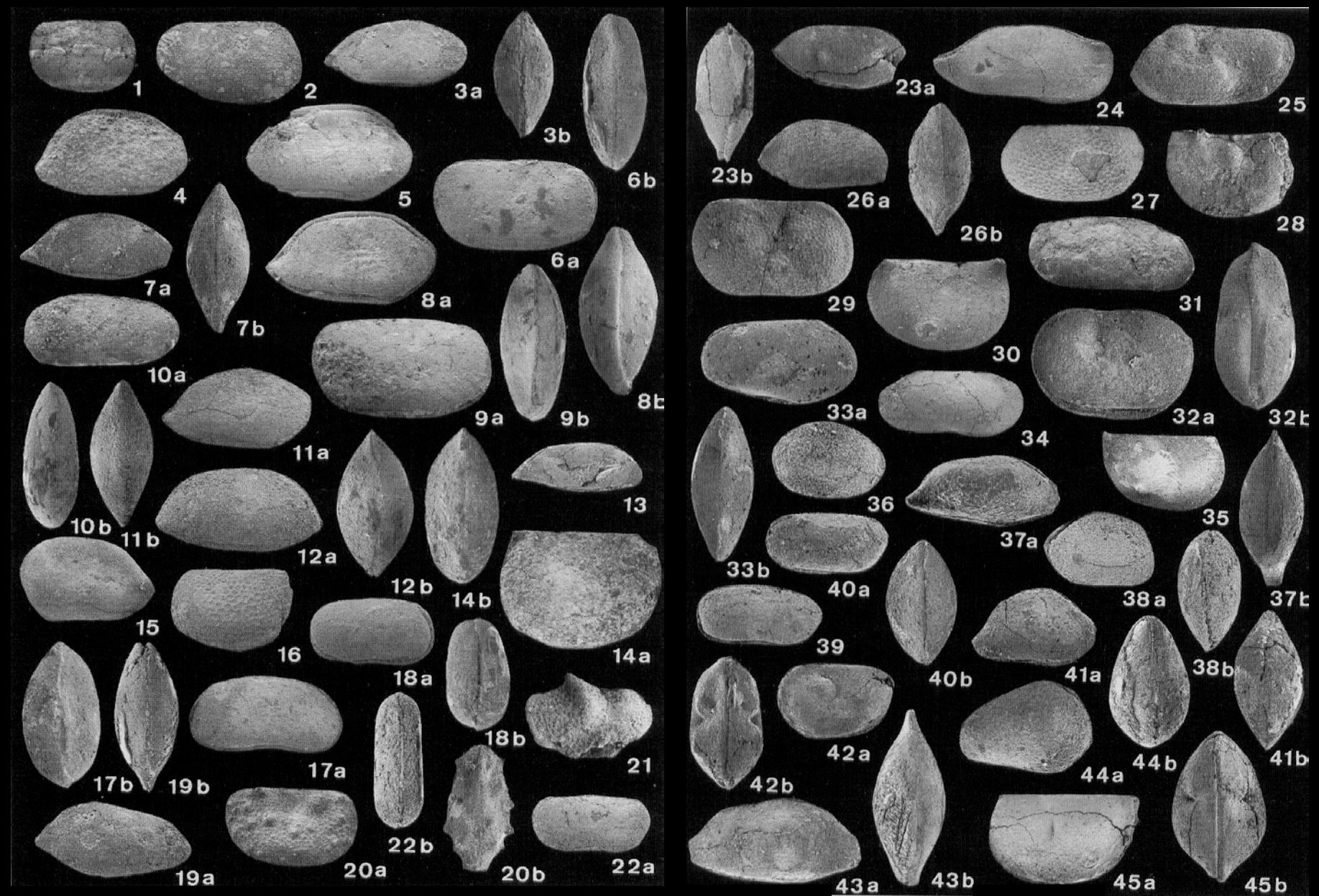
54 Late Frasnian exterminated species





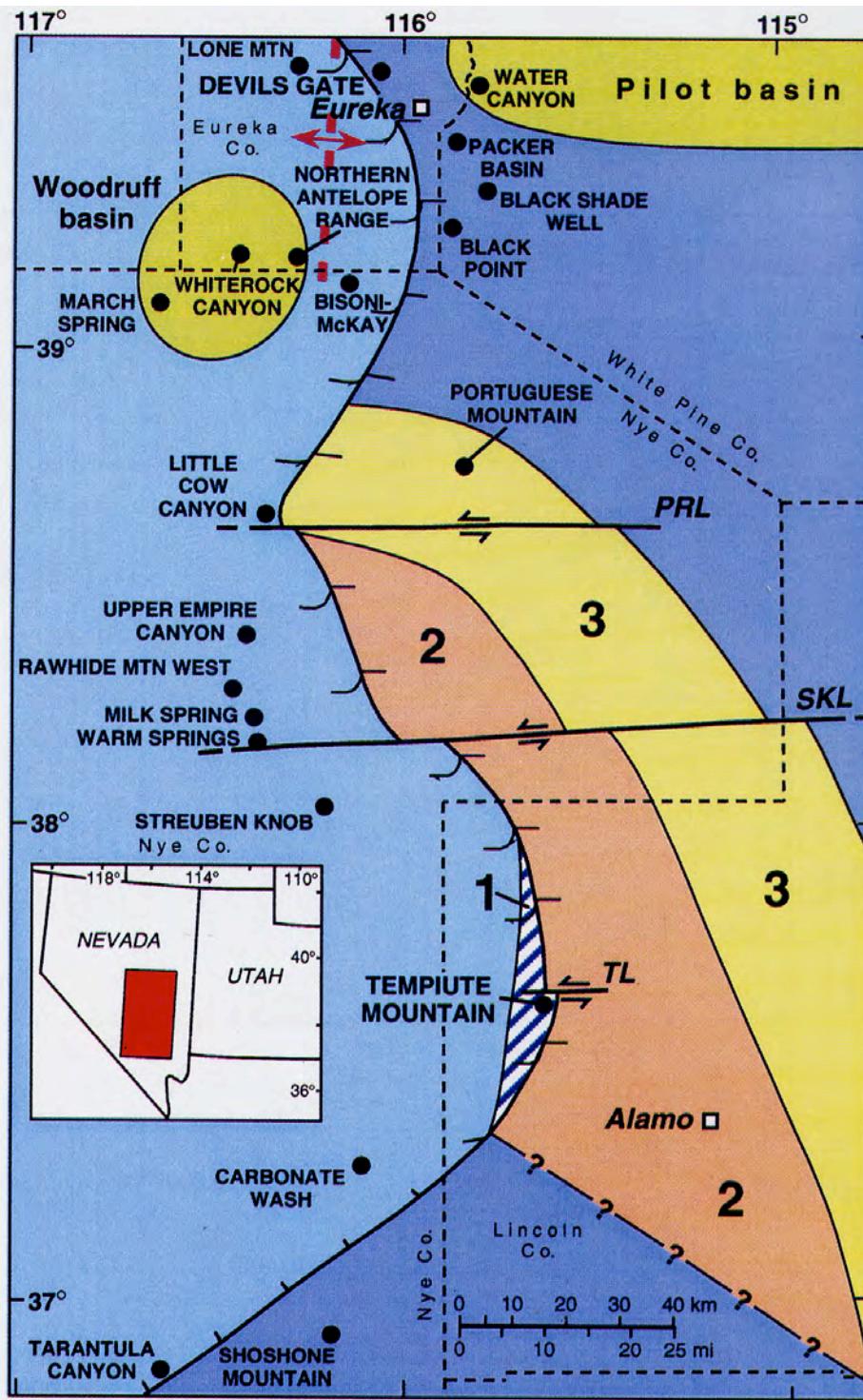
12 Lazarus species

Casier & Lethiers, 1997

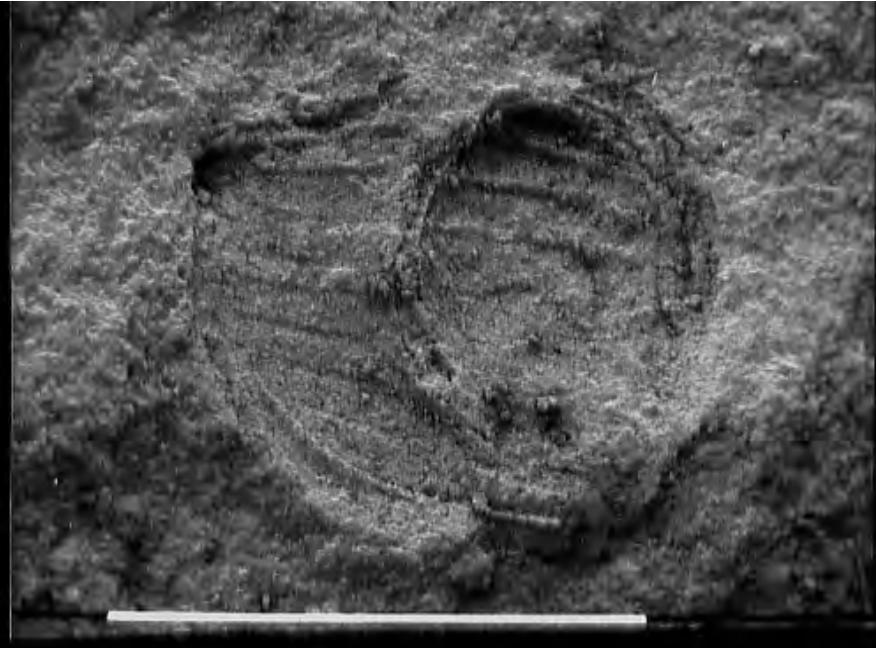
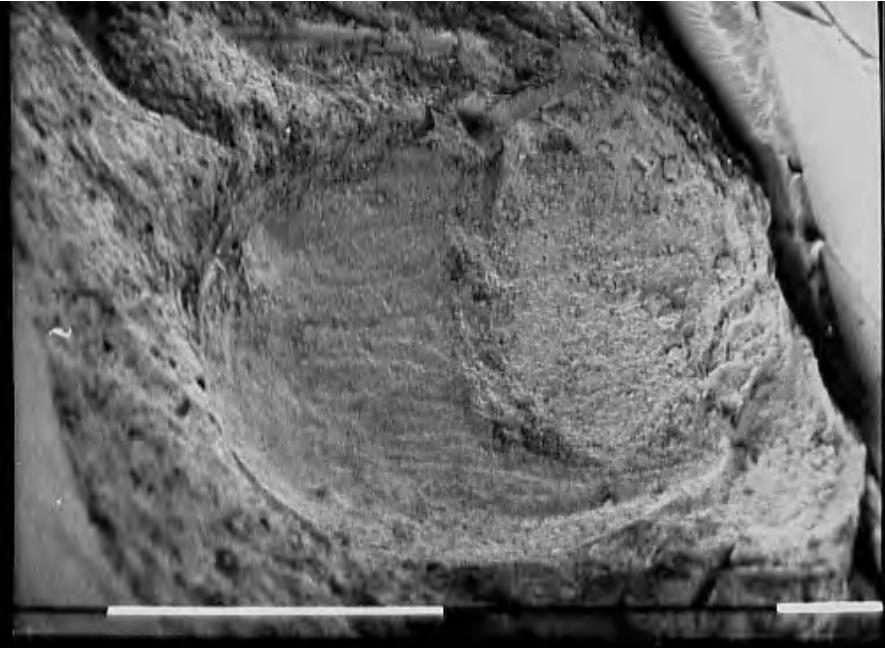


45 new Famennian species

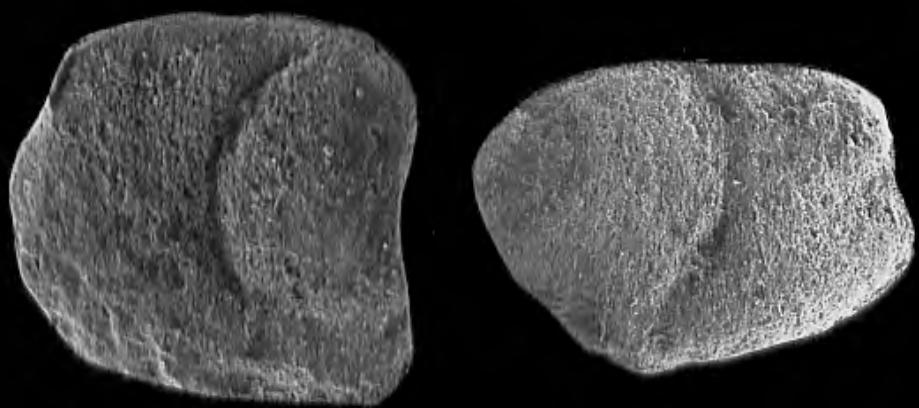
Casier & Lethiers, 1998



Sandberg et al., 2003



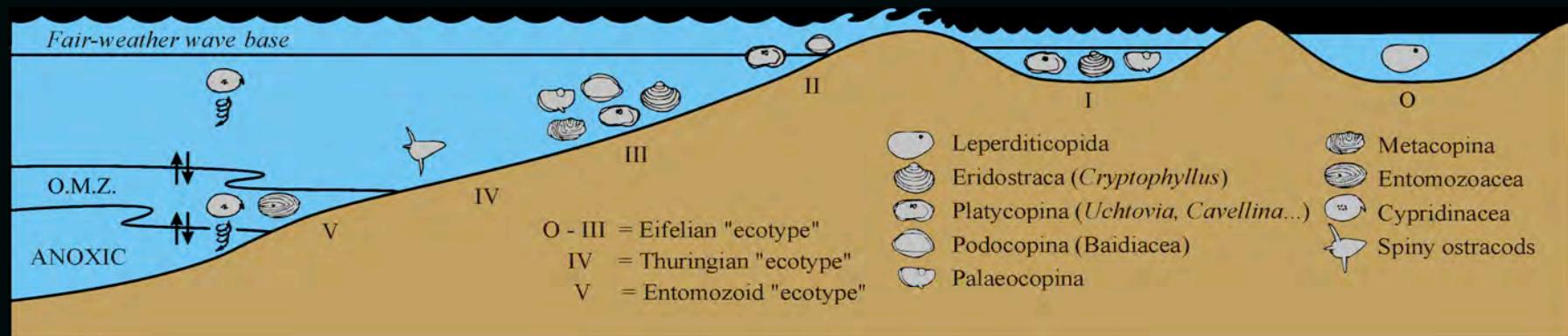
Sourd 'Ave section



Franklinella latesulcata PAECKELMANN, 1922



CASIER, 1988

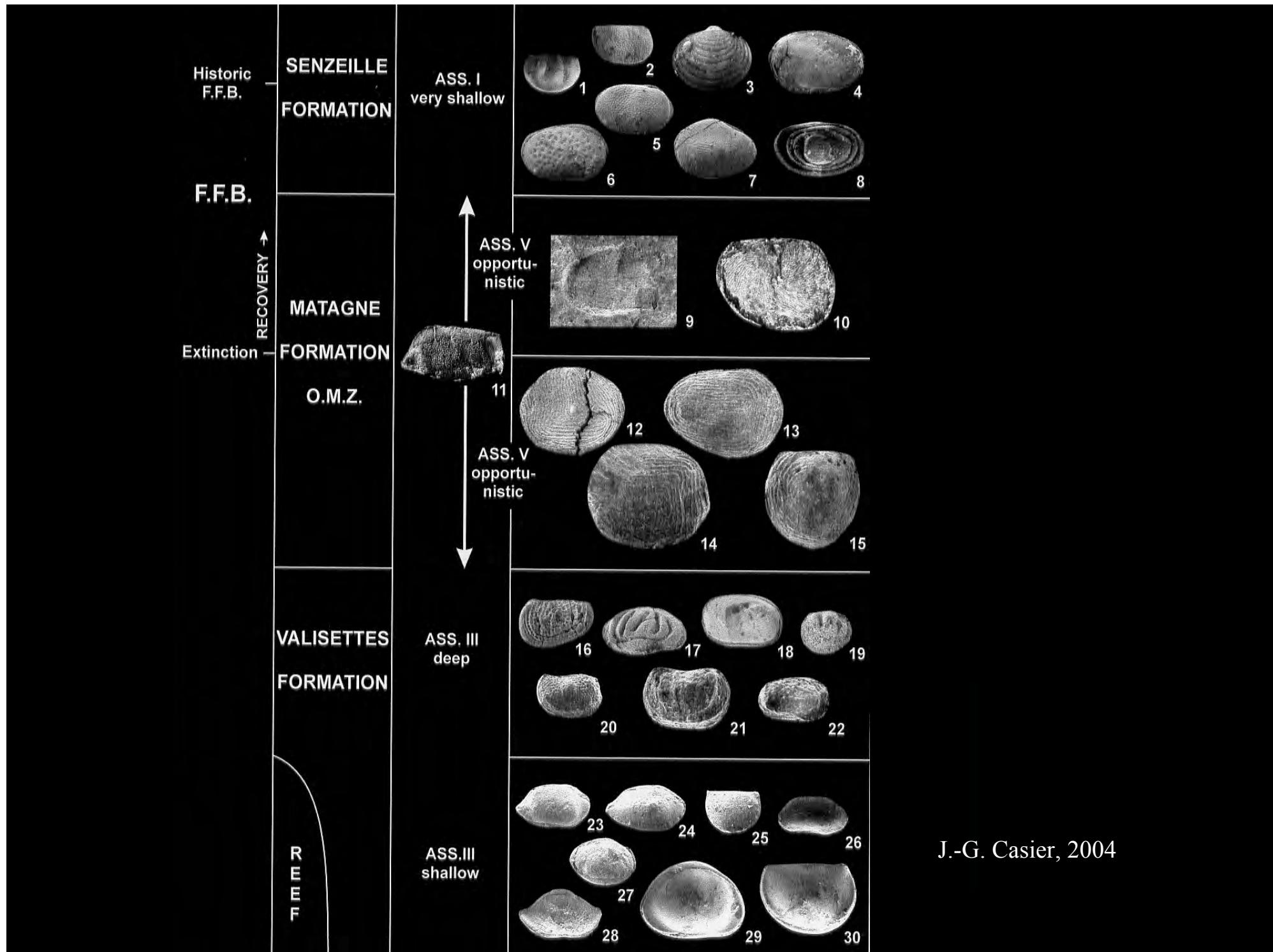


Upper Paleozoic ostracod assemblages

0 - III : Eifelian Mega-Assemblage

IV : Thuringian Mega-Assemblage

V : Myodocopid Mega-Assemblage

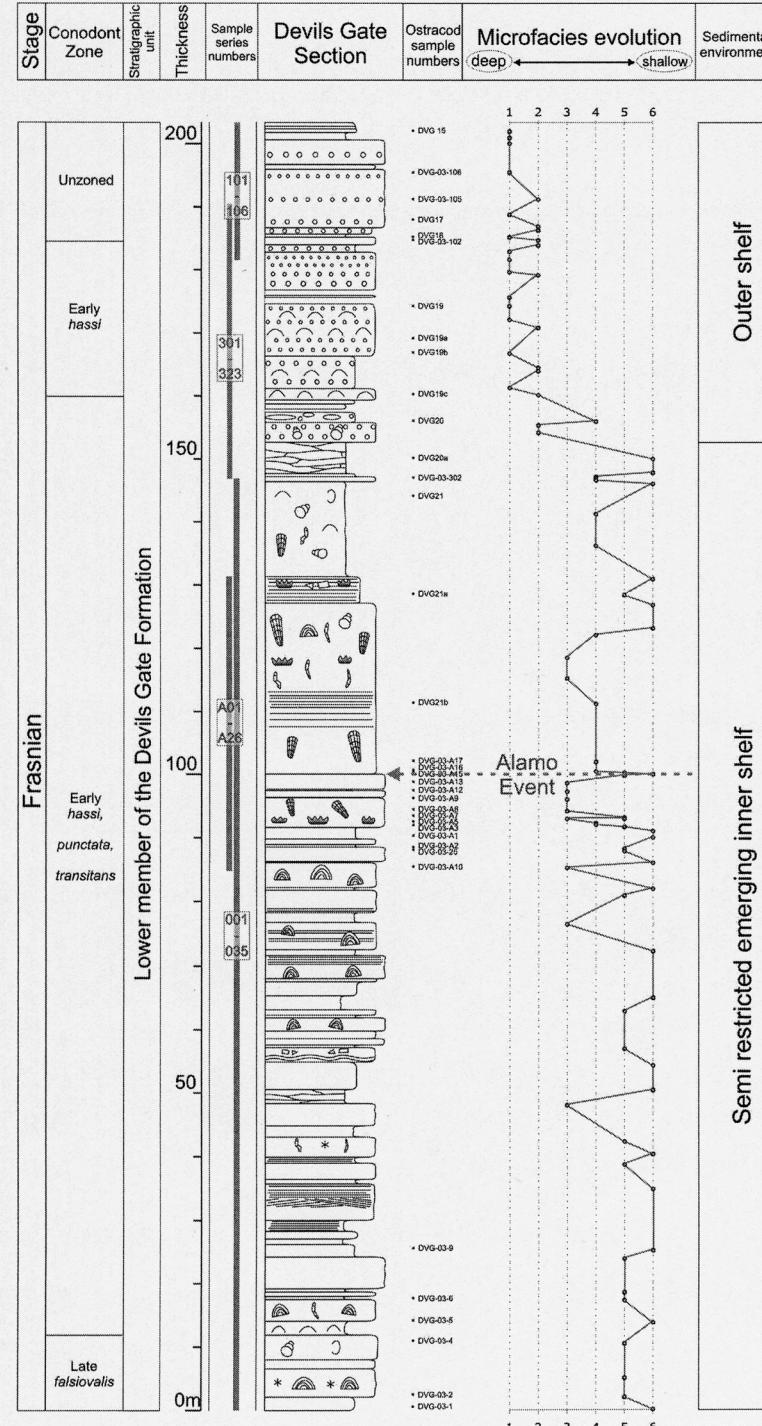


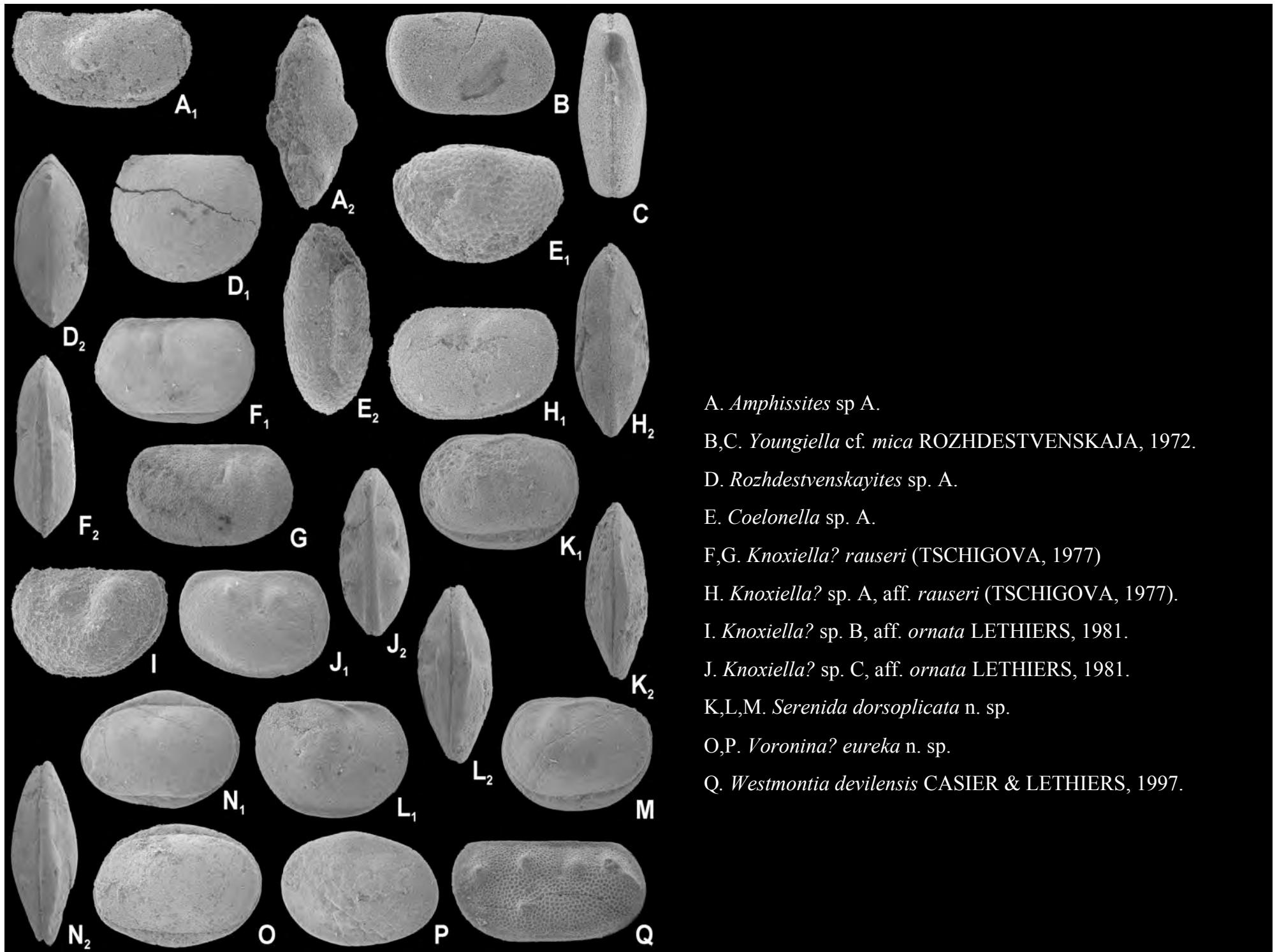


Bed related to the Alamo Event

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Alamo Event







A. *Amphissites* sp A.

B,C. *Youngiella* cf. *mica* ROZHDESTVENSKAJA, 1972.

D. *Rozhdestvenskayites* sp. A.

E. *Coelonella* sp. A.

F,G. *Knoxiella?* *rauseri* (TSCHIGOVA, 1977)

H. *Knoxiella?* sp. A, aff. *rauseri* (TSCHIGOVA, 1977).

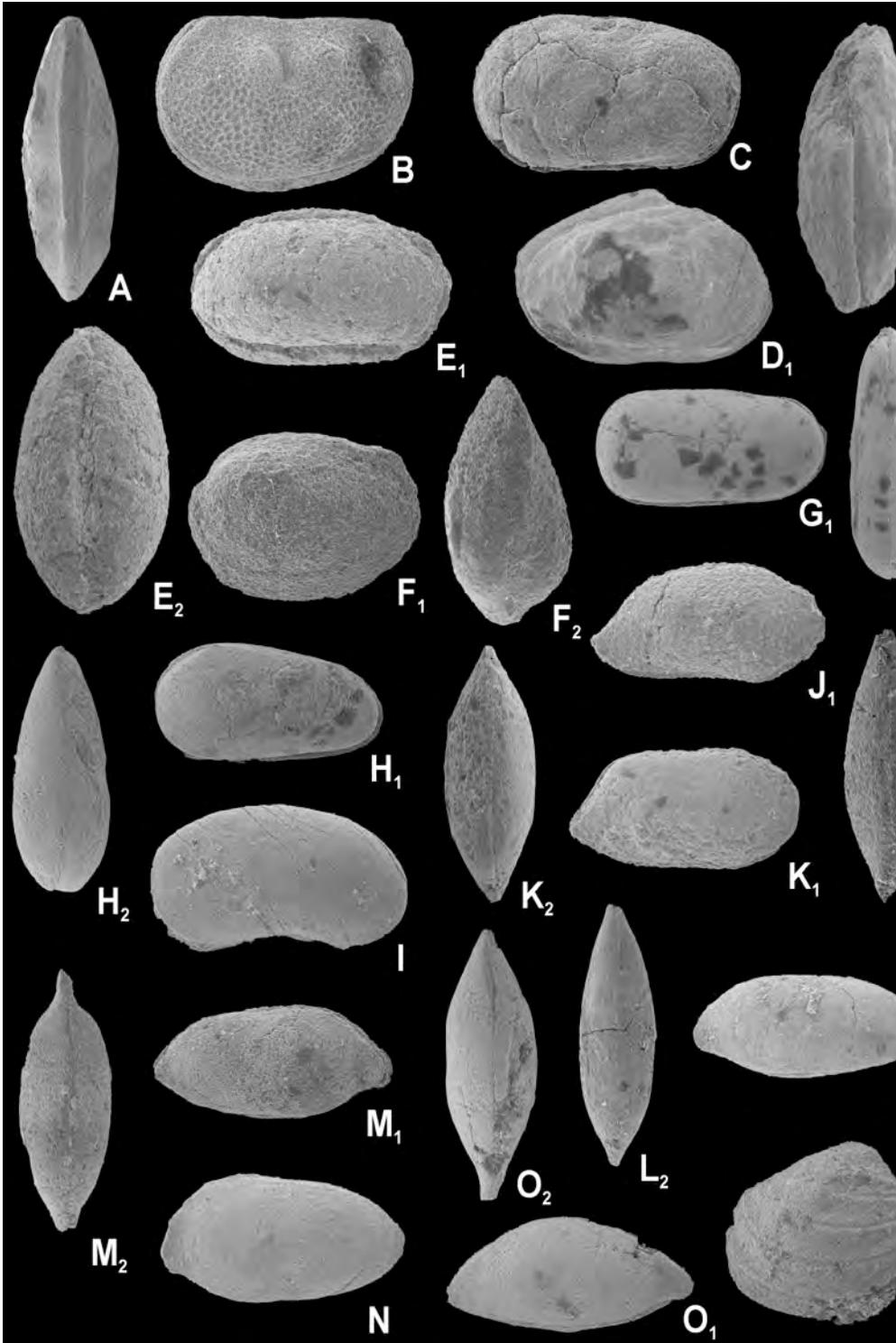
I. *Knoxiella?* sp. B, aff. *ornata* LETHIERS, 1981.

J. *Knoxiella?* sp. C, aff. *ornata* LETHIERS, 1981.

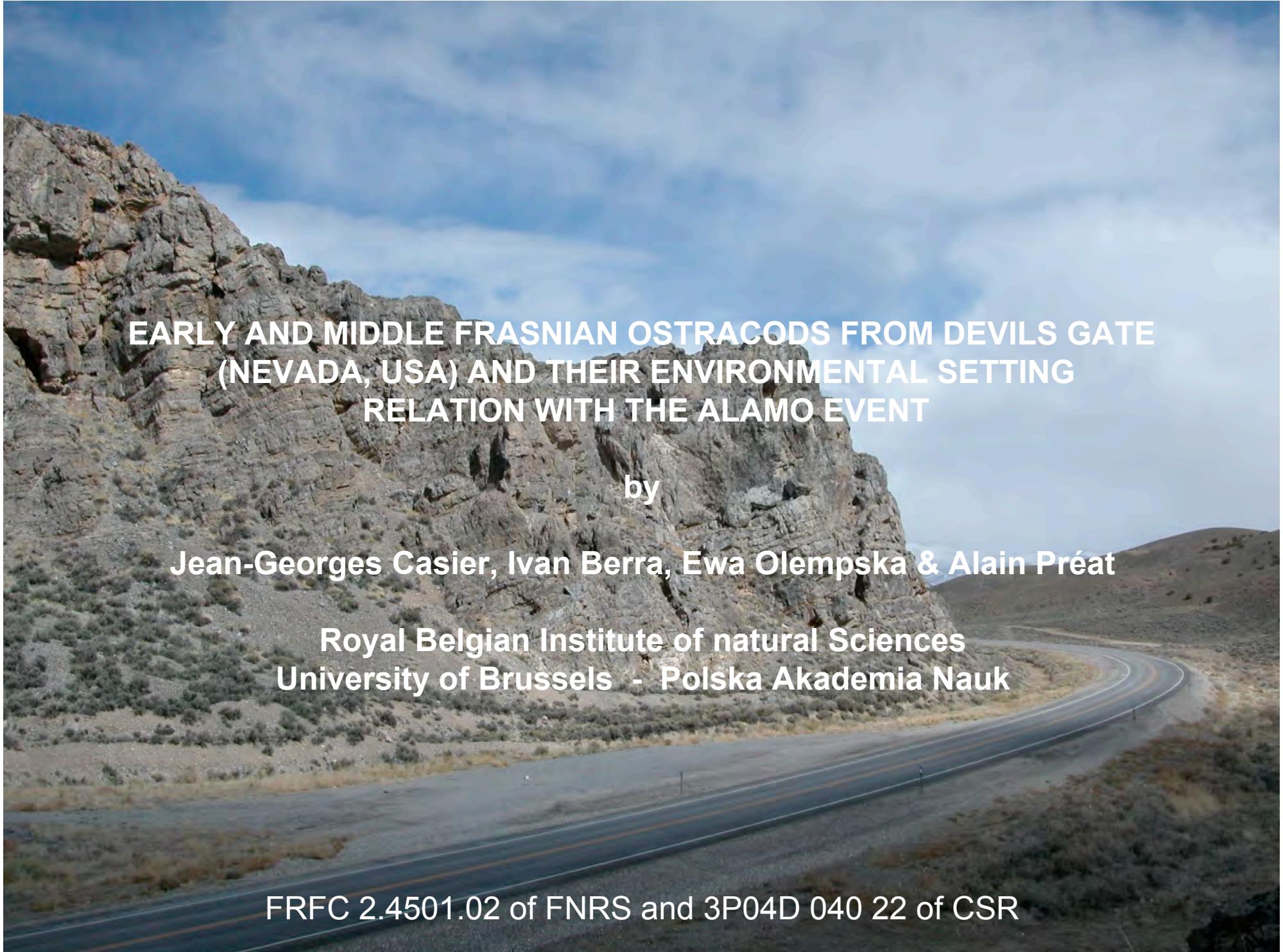
K,L,M. *Serenida dorsoplicata* n. sp.

O,P. *Voronina?* *eureka* n. sp.

Q. *Westmontia devilensis* CASIER & LETHIERS, 1997.



- A,B. *Westmontia devillensis* CASIER & LETHIERS, 1997.
C. Platycopina indet.
D. *Plagionephrodes* cf. *medius* (LORANGER, 1963).
E. *Microcheilinella* sp.
F. Pachydomellidae? indet.
G. *Elliptocyprites lorangeri* LETHIERS, 1981.
H. *Cytherellina* sp. A.
I. *Bairdiacypris* cf. *martinae* CASIER & LETHIERS, 1997.
J. *Bairdia* sp. A.
K. *Bairdia* sp. B.
L. *Acratia* sp. A, aff. sp. 42 *sensu* BRAUN (1967).
M,N. *Acratia* sp. B, aff. sp. 271 *sensu* BRAUN (1967).
O. *Acratia* sp. C, aff. sp. 274 *sensu* BRAUN (1967).
P. *Cryptophyllus* sp. A, aff. sp. 11 *sensu* BRAUN (1967).



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