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Marine Massoulié, Éva David, Eric Boëda

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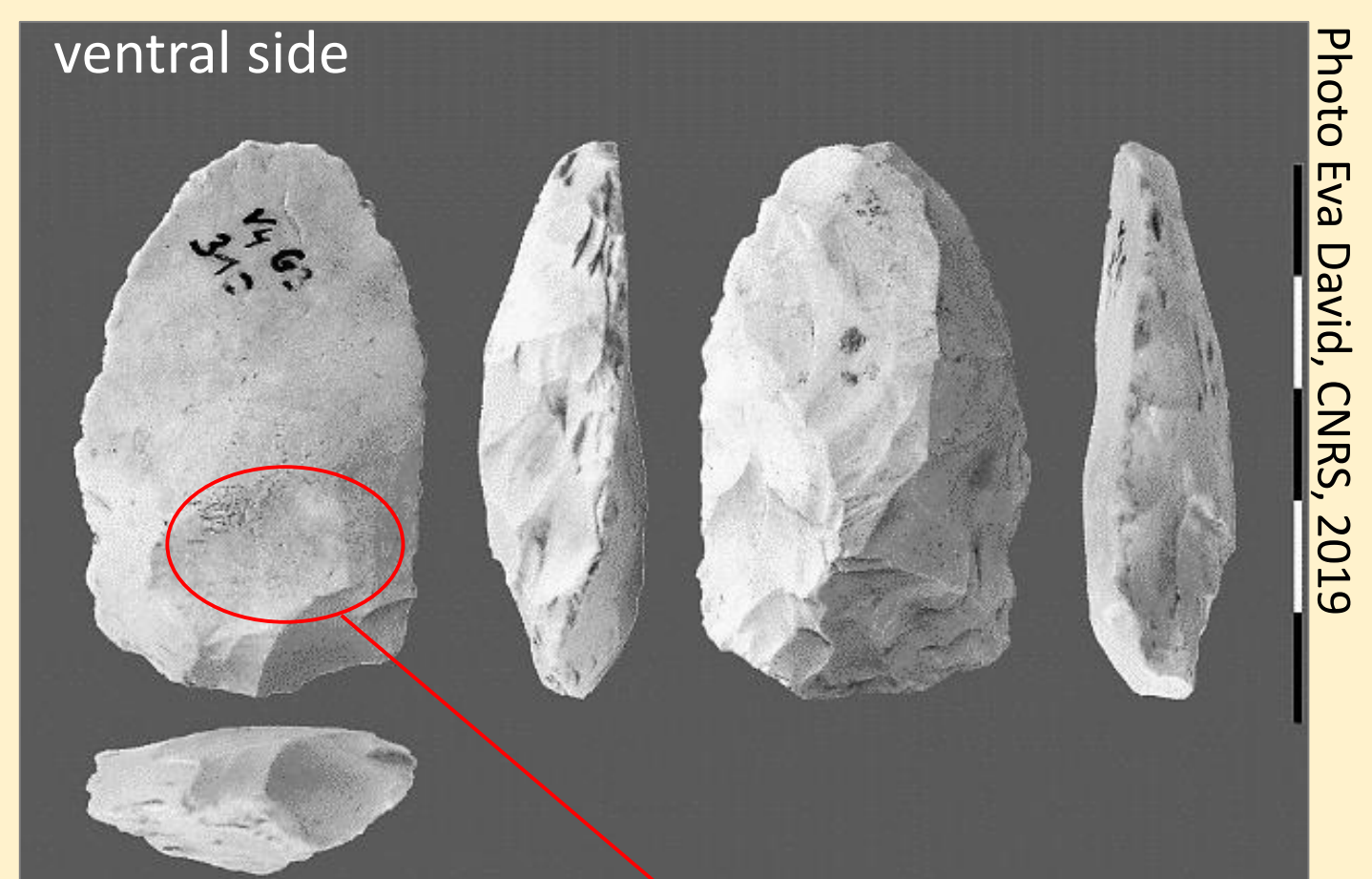
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Un unusual Mousterian retoucher from Vergisson IV, Saône et Loire, France

-Marine Massoulié, Ph.D. student, AnTET
 -Éva David, CNRS, AnTET
 -Éric Boëda, Professor, Université Paris Nanterre



- Archeological site excavated by Jean Combier (CNRS) between 1954-1964
 - Lithic material analysis in progress, undertaken by Marine Massoulié (Ph.D directed by Sylvain Soriano, CNRS)

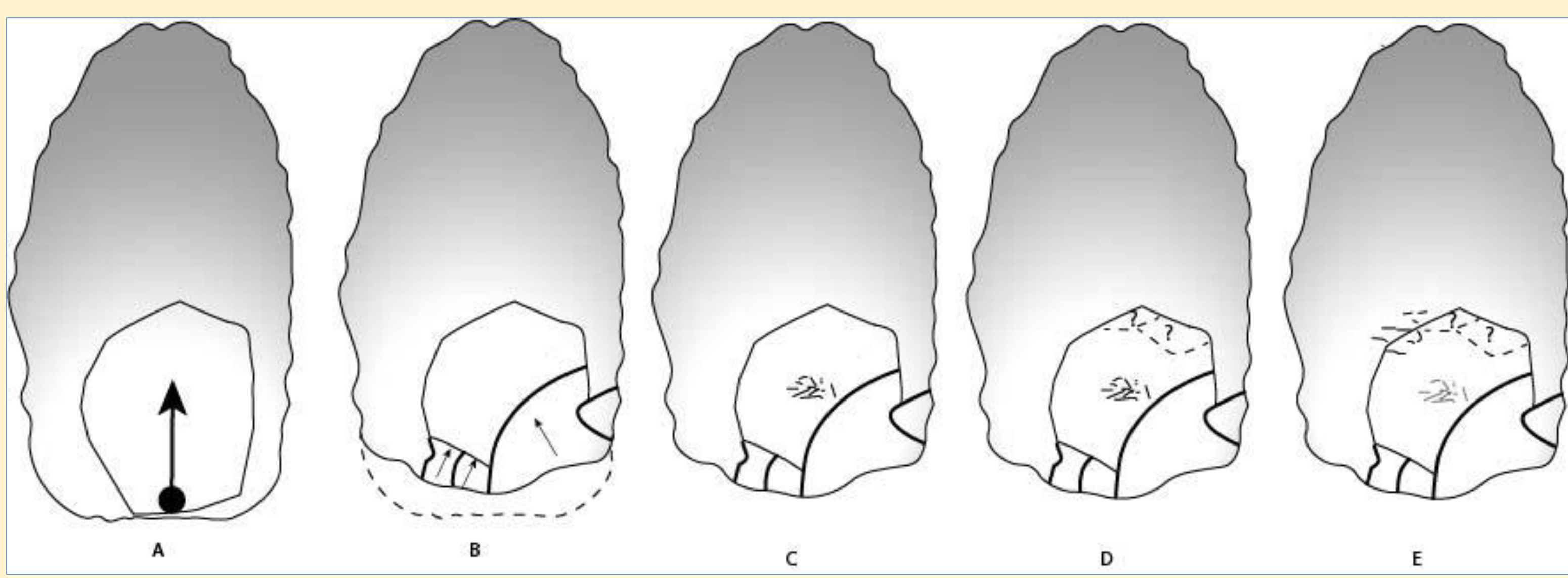
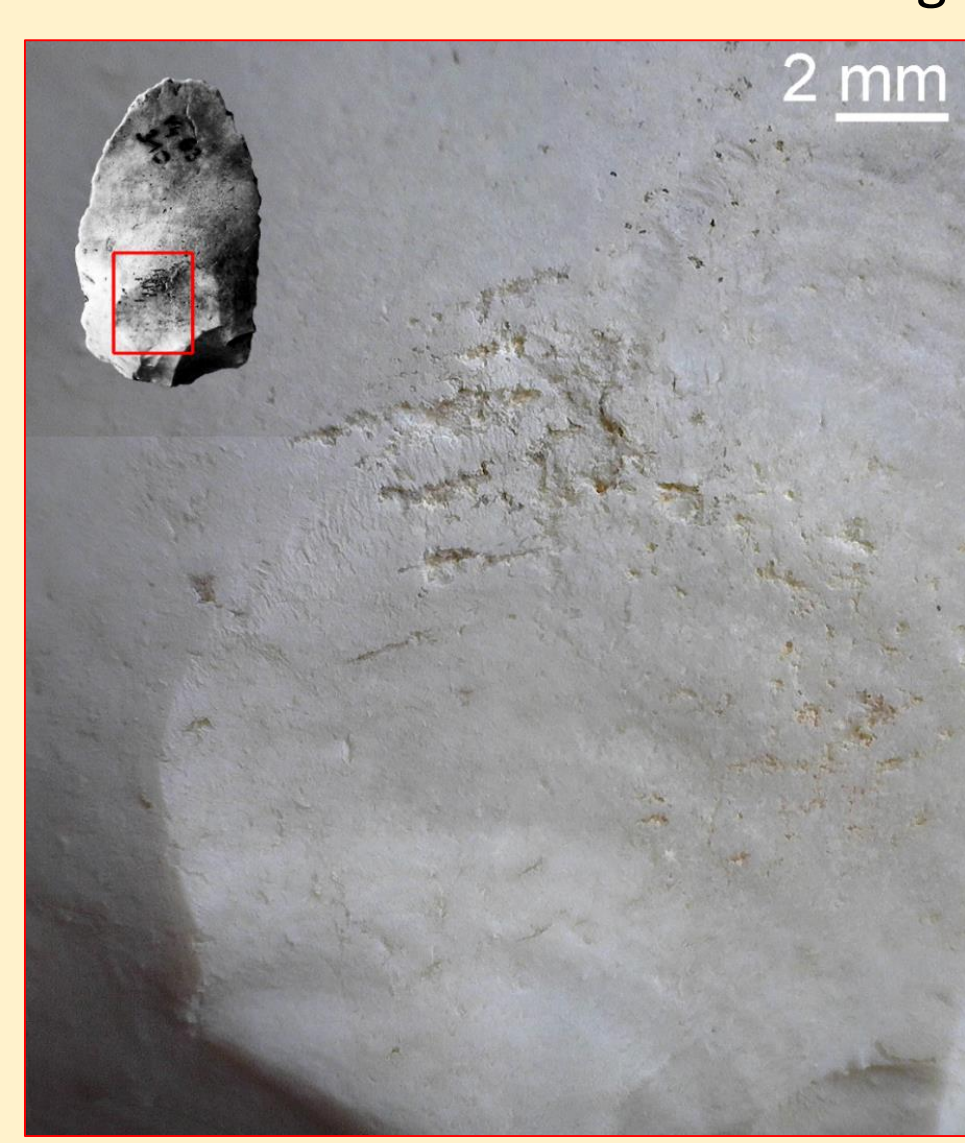
1-Aspect of its features

- percussion marks
- scars
- lustre aspect



2-Related issues

Flint retoucher? Fire stone? Result of hafting? Usewear?



3-Analysis

- group of pseudo-parallel marks : 0,2-2 mm long, 0,05 mm thickness
- perpendicular to morphological axis
- « zig-zag » shape
- concentrated on the bulb scar

4-Events' chronology

- A: natural flake with its bulb scar
- B: truncation with removal of the butt-end
- C: first-identified use as a retoucher
- D: percussion scars?
- E: second-identified use as a retoucher

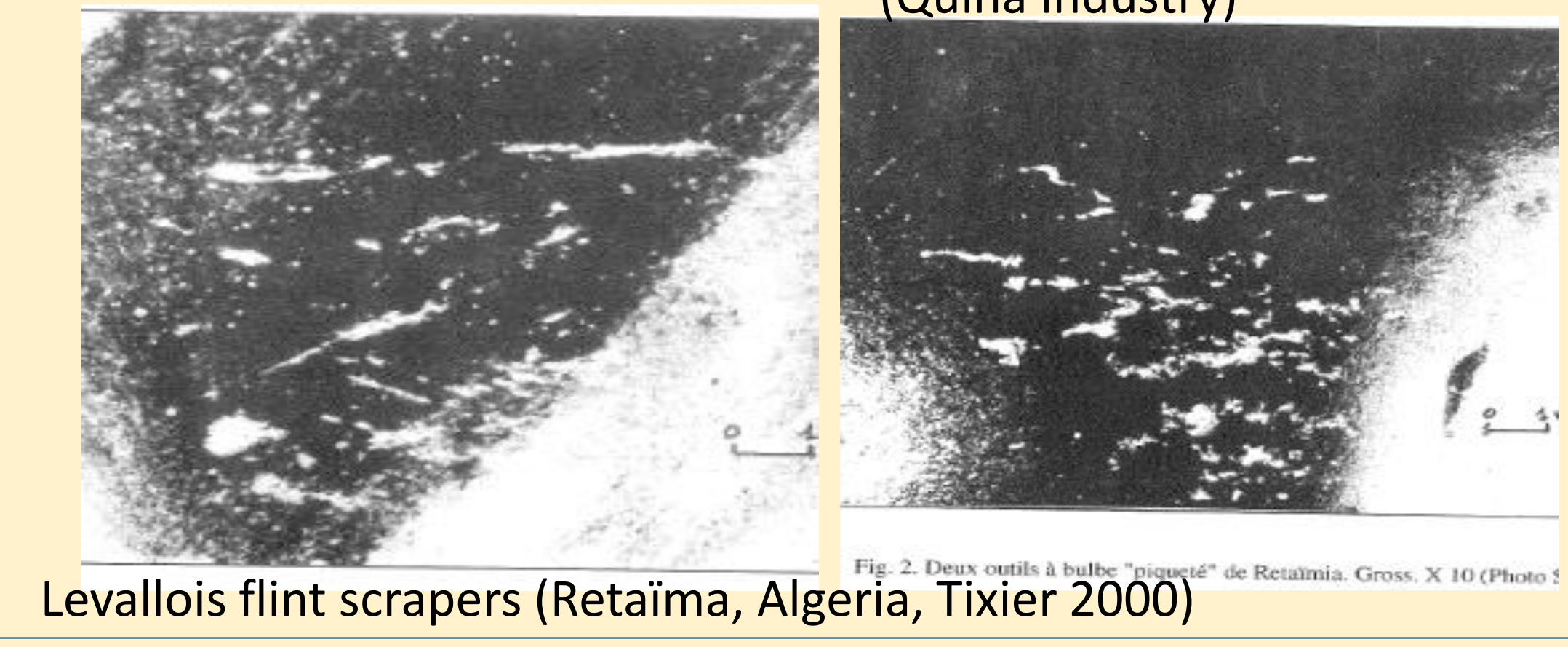
5-Comparisons

Archeological



Studied piece

Mousterian bone retoucher (Quina industry)



Experimental



6-Conclusion

- Resembling impact marks from both bone and flint retouchers
- Differences with firestone
- Rarity of flint retouchers : only a few from the literature (Tixier 2000, Plisson 1988, Mathias C., Viallet C. 2018, Thiébaud et al. 2010)
- Research hypothesis: Neandertal behaviour associated mousterian Levallois only?

7-Research perspectives

- Constituting a referential pattern in retouch activity:
- Are such impacted flint associated to a specific tool or cutting-edge making?
- Which tool fashioning or retouch is associated then to implement these marks: biface making? scraper making? Levallois scrapers?
- Relations between impact marks and the other related patterns observed and occurrences

Condemi, S. et al. 2017. Vergisson 4: a left-handed Neandertal. *American Journal of Physical Anthropology* 162 (1): 186-190.
 David, E., et J. Pelegrin. 2009. « Possible Late Glacial bone «retouchers» in the Baltic Mesolithic: The contribution of experimental tests with lithics on bone tools ». In *Humans, environment and chronology of the Late Glacial of the North European Plain*, Proceedings of Workshop 14 (Commission XXXII) of the XVIIth Congress of the Union Internationale des sciences pré- et protohistoriques UISPP, Lisbon, 4th-9th of September 2006, édité par M. Street, R. N. E. Barton, et Th. Terberger, 155-168. Mainz: Verlag der Römisch-Germanischen Zentralmuseums (Tagungsbander 6).
 Mathias C., Viallet C. 2018. On the possible use of flake-bulbs for retouch during the early Middle Paleolithic in southeastern France: first results of an experimental approach. *Bulletin Arqueologic - dianet.unirioja.es*
 Plisson, H. 1988. Technologie et tracéologie des outils lithiques mousteriens en Union Soviétique: les trouvés de Ve Sichelinskii. *L'homme Néandertal* 4, 121-168.
 Thiébaud C., Claud E., Mourre V., Chacón M.-G., Asselin G., Brenet M. et Porrovel B. 2010. Le recyclage et la réutilisation de nucléus et de bifaces au Paléolithique Moyen en Europe occidentale : quelles fonctions et quelles implications culturelles ? *Paléolithique, Archéologie et sciences humaines*. Adresse : <http://journals.openedition.org/paleolithique/588>
 Tixier, J. 2000. Outils mousteriens à bulbe «piqueté» (Retiama, Algérie). *À Rech. L'homme Préhistorique* 95, 125-130