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

Marine Massoulié, Éva David, Eric Boëda

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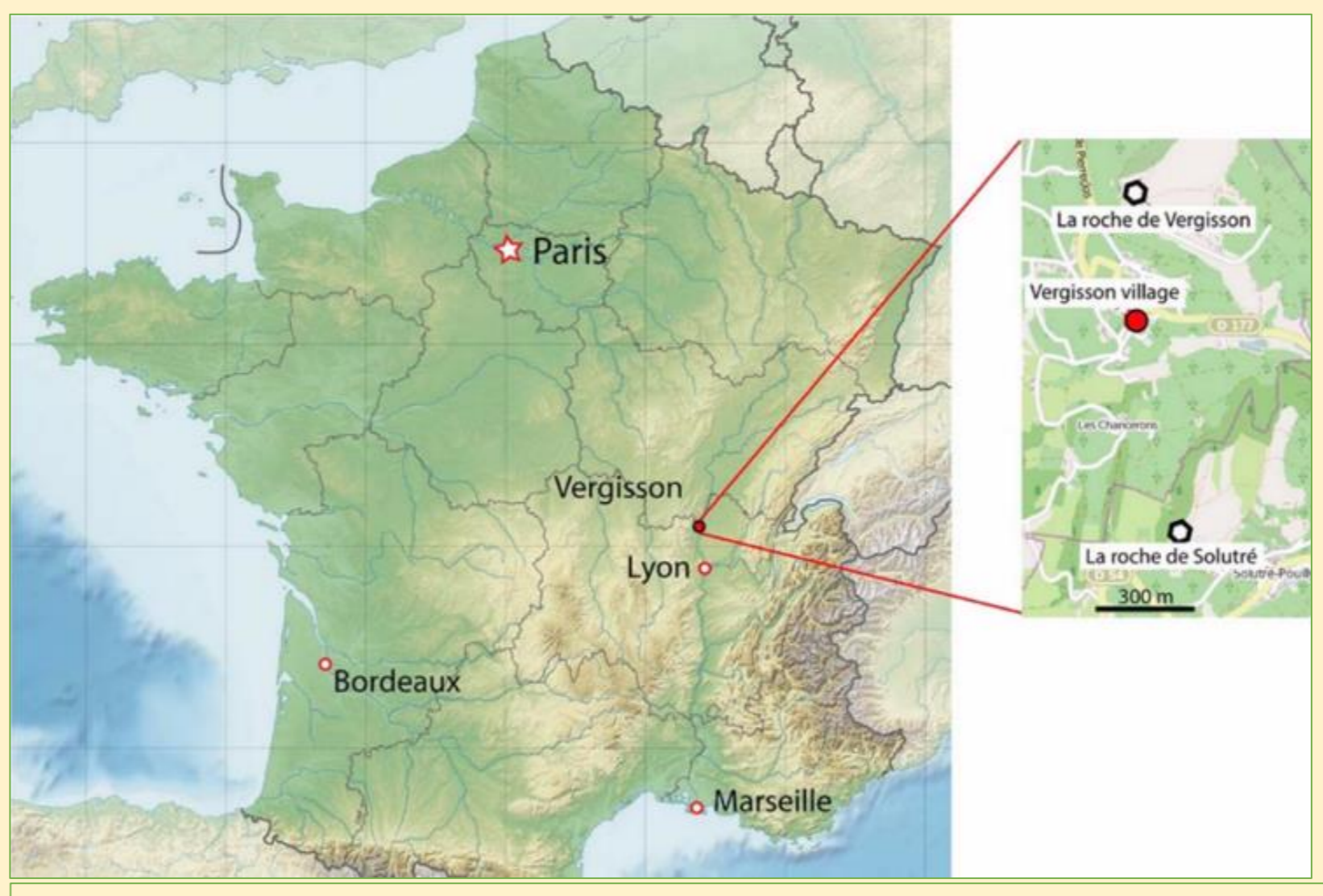
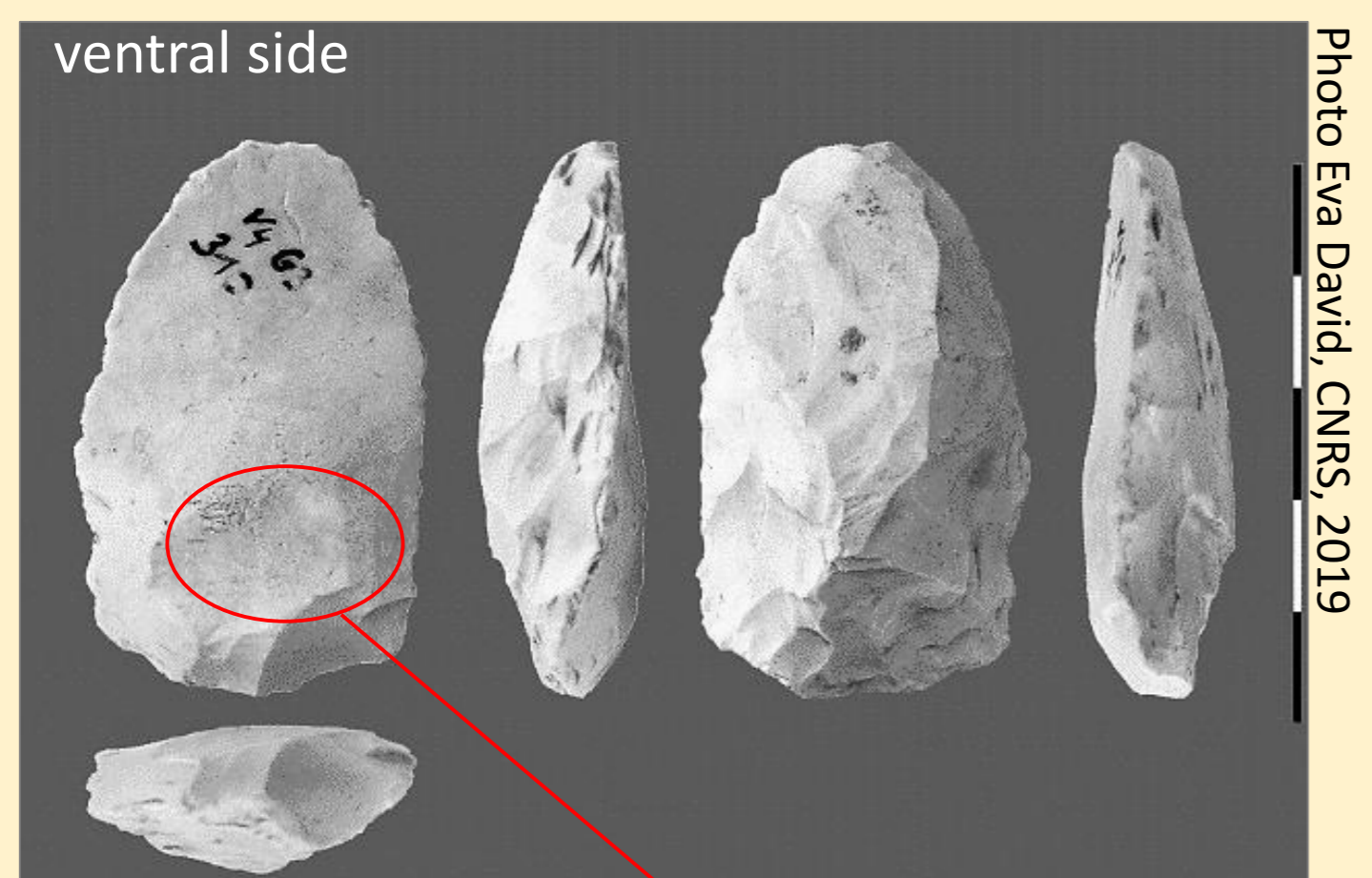
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# Un unusual Mousterian retoucher from Vergisson IV, Saône et Loire, France

-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)

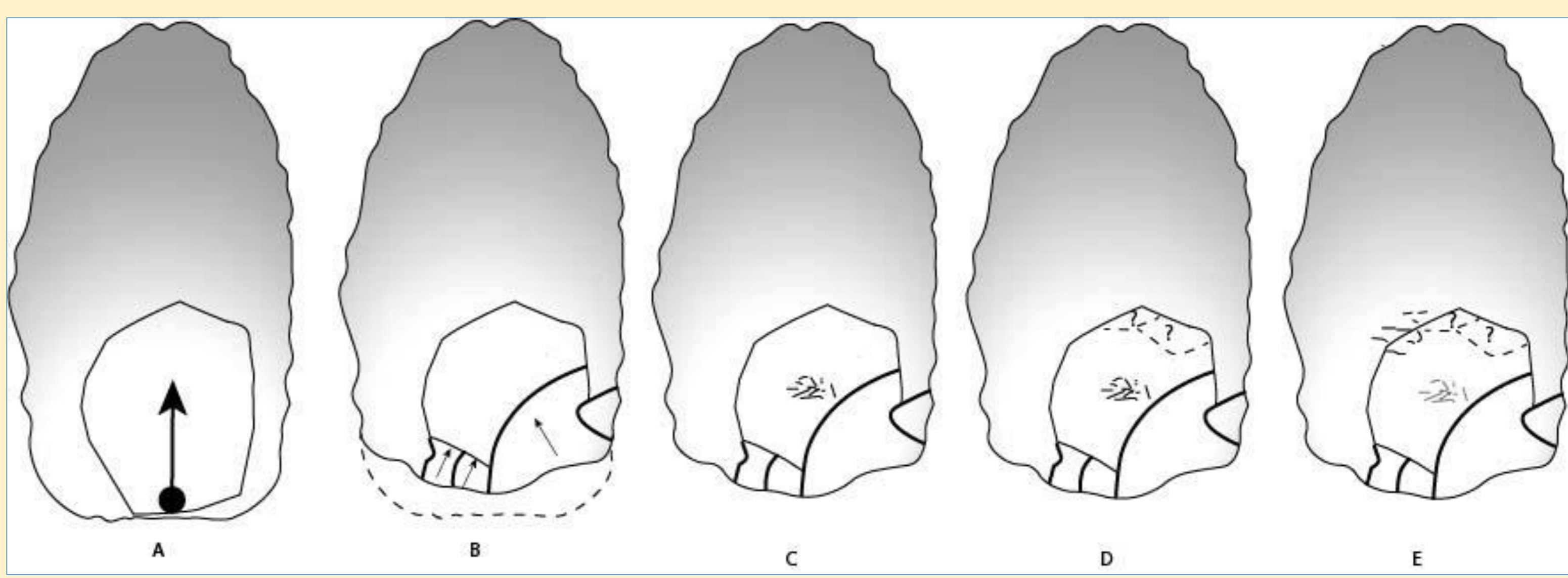
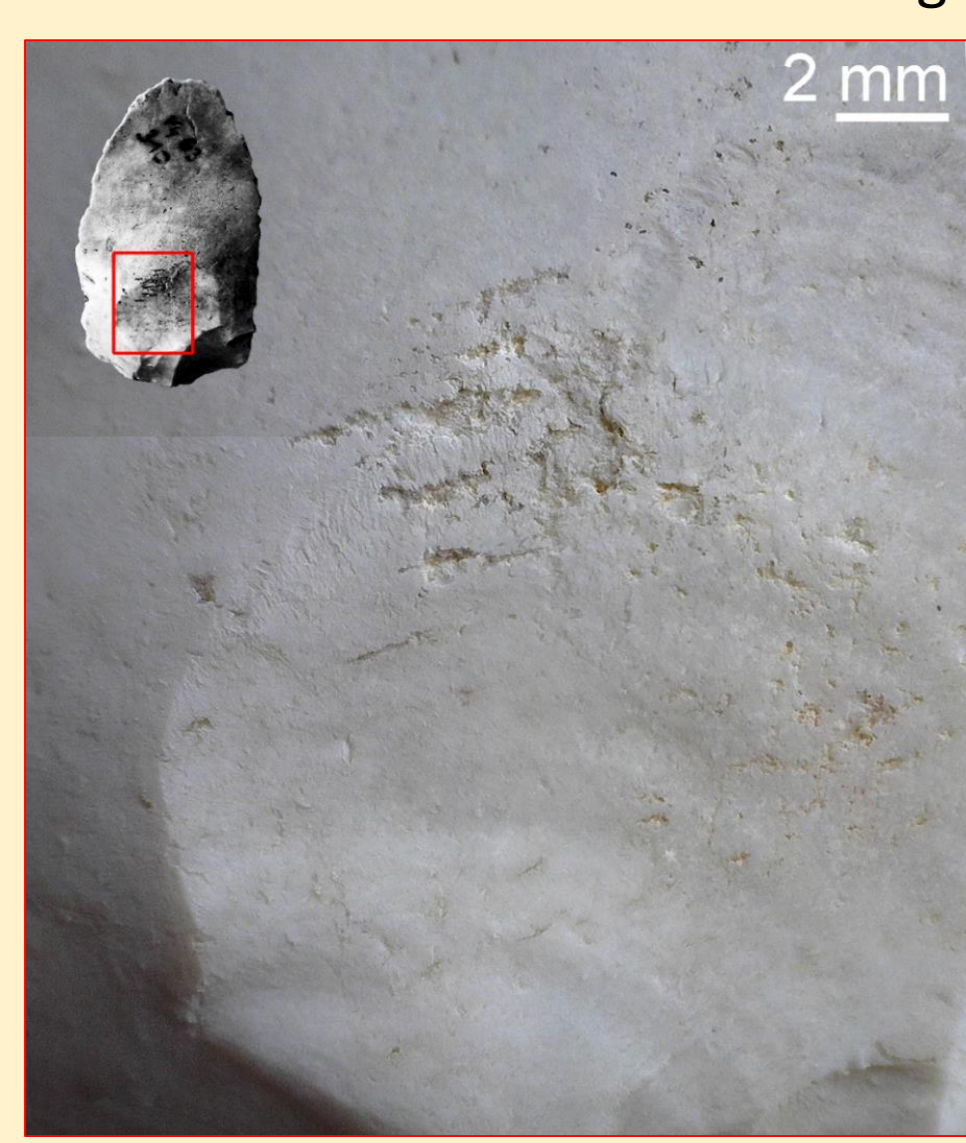
## 1-Aspect of its features

- 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

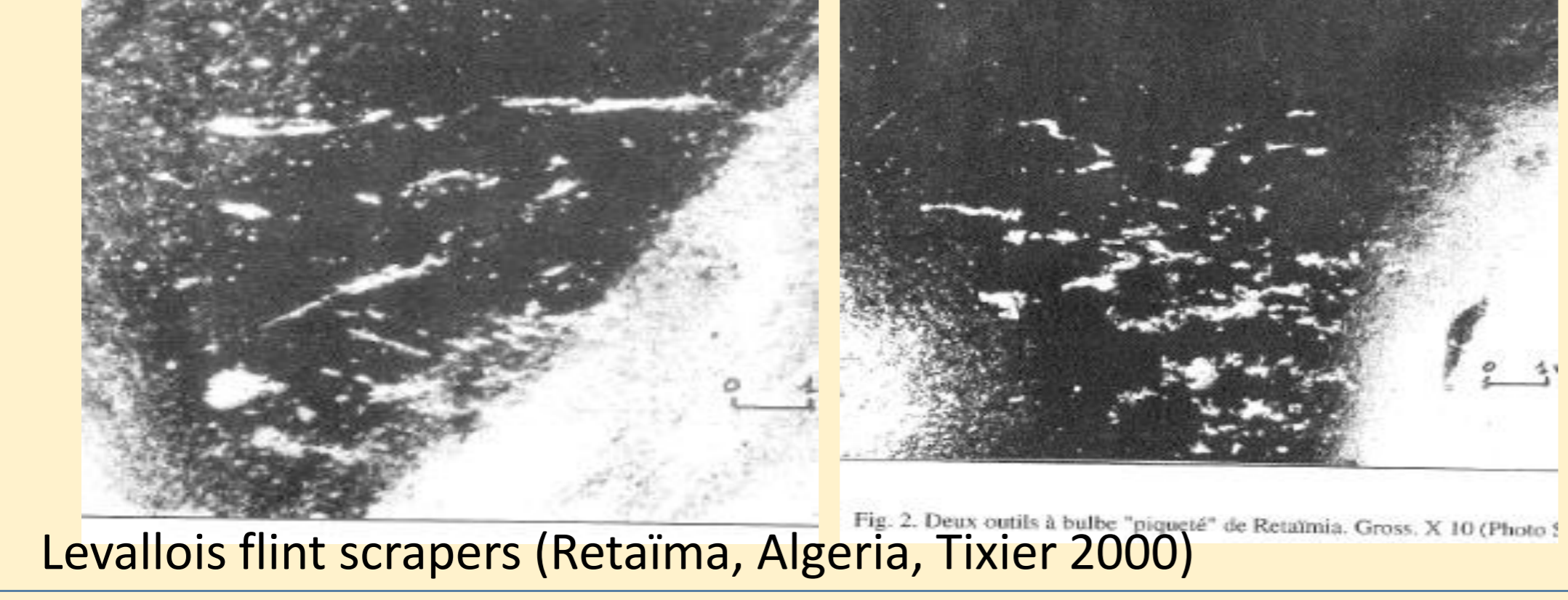
- A: natural flake with its bulb scar
- B: truncation with removal of the butt-end
- C: first-identified use as a retoucher
- D: percussion scars?
- E: second-identified use as a retoucher

## 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

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