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## Dessin de l'industrie osseuse en pratique

Éva David

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**HAL Id: halshs-03203377**

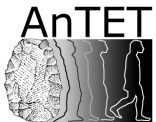
**<https://shs.hal.science/halshs-03203377>**

Submitted on 20 Apr 2021

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# Dessin de l'industrie osseuse en pratique



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Tél : +33 / (0)1 46 69 24 22



Cf. Livret à l'usage de l'étudiant / Cf. Student's booklet :  
<https://cel.archives-ouvertes.fr/cel-01270703v2>

## Plan du cours

### Le matériel de dessin

### Les principes

#### La représentation

taille réelle

agrandissement

dessins schématiques

dessins schématiques & numériques

vignettes

dessins scientifique *versus* artistique

Rendu de surface

Rendu de techniques

Organisation graphique

Orientation

Codes graphiques

### La pratique à partir d'un artéfact (3 heures)

### La reproduction

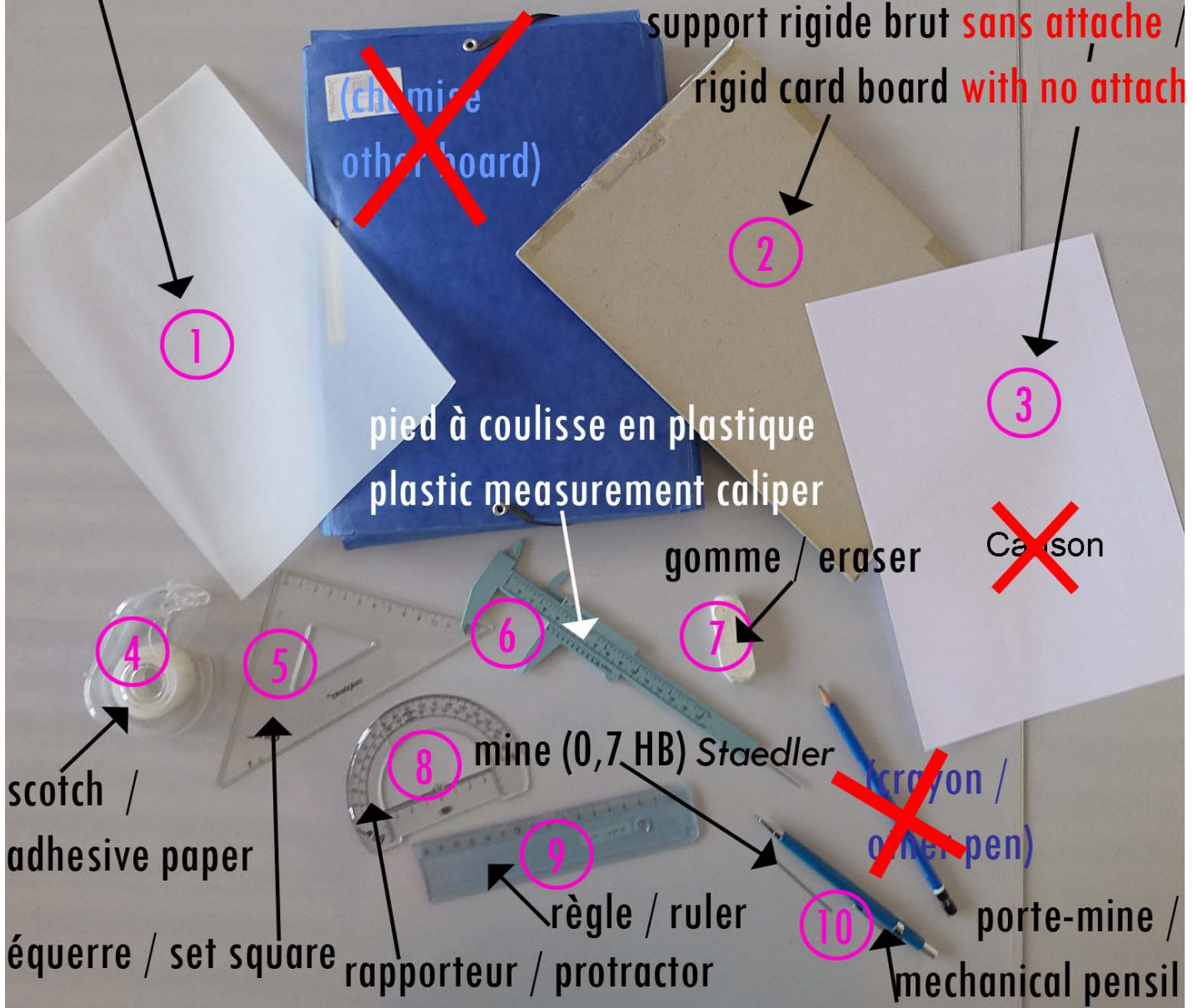
Références citées et/ou consultées

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feuille de calque  
tracing paper (90 grams / A4 format)

feuille papier blanc uni  
white sheet (50 grams / A4)

support rigide brut ~~sans attache~~ /  
rigid card board ~~with no attach~~



1

2

3

pied à coulisse en plastique  
plastic measurement caliper

gomme / eraser

~~Carson~~

4

5

6

7

scotch /  
adhesive paper

mine (0,7 HB) Staedler

~~crayon /  
color pen)~~

équerre / set square

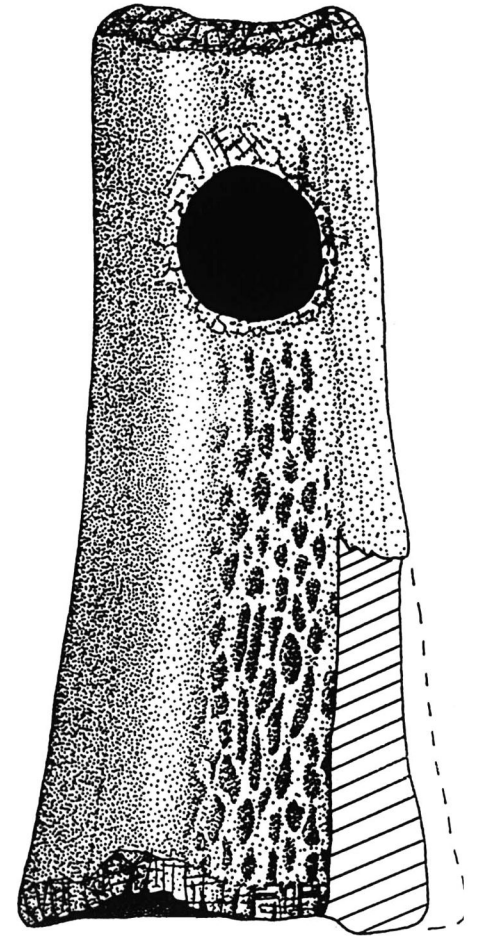
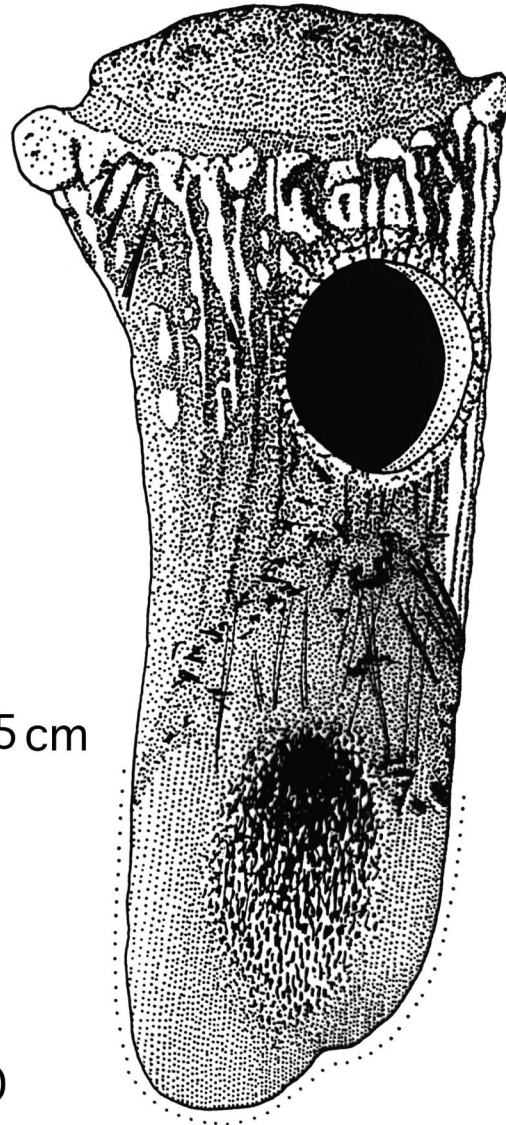
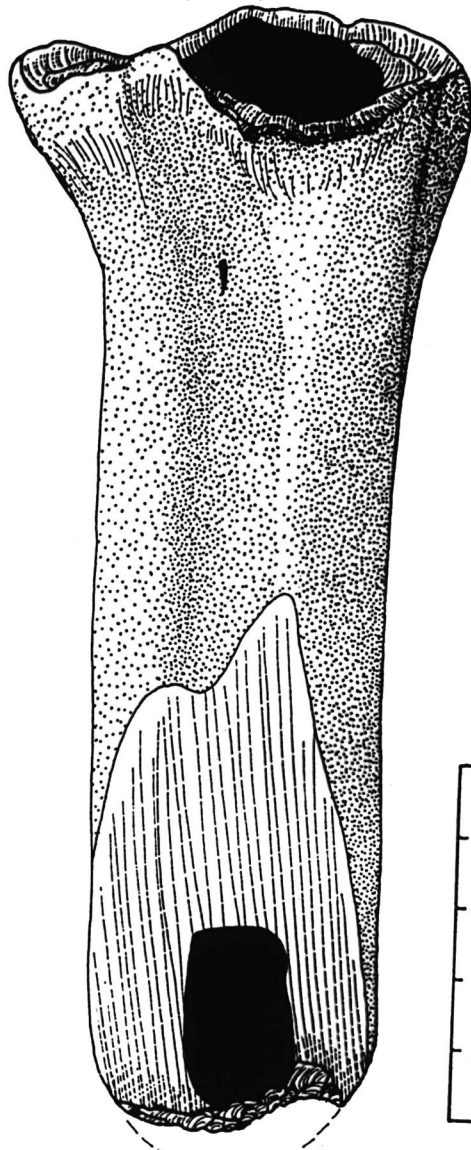
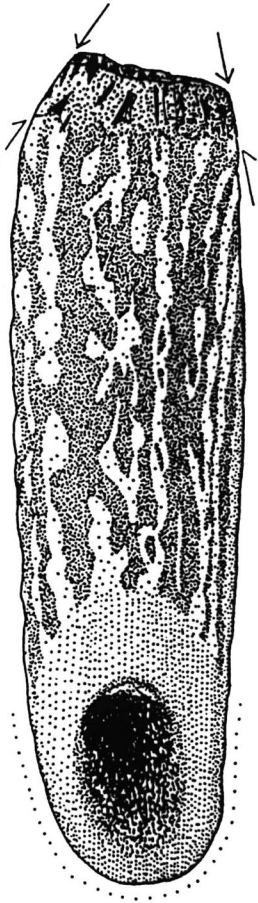
règle / ruler

rappporteur / protractor

10

porte-mine /  
mechanical pencil



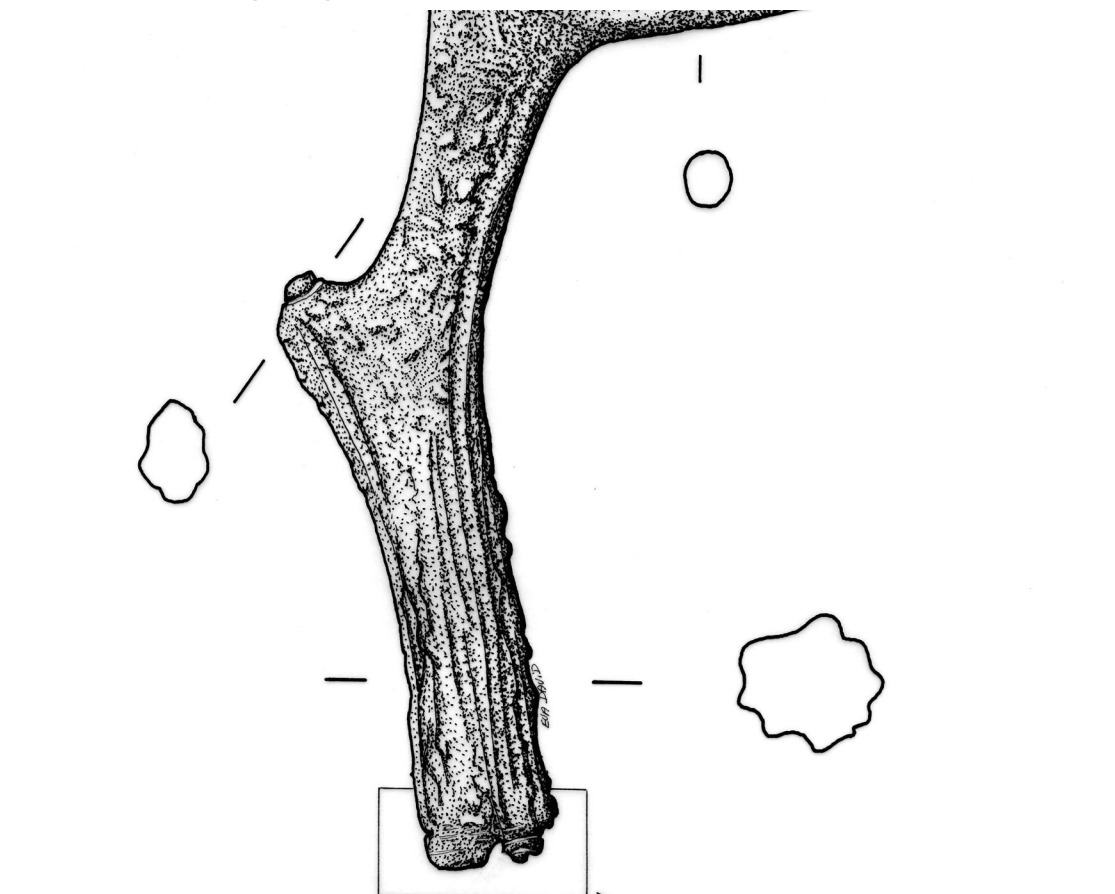


a

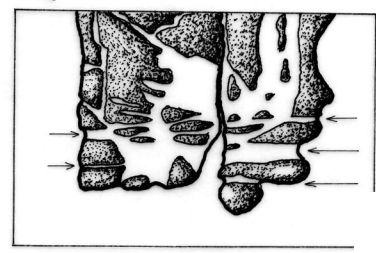
b

c

taille réelle



55. CHUTE DE BOIS DE CHEVREUIL  
S O M



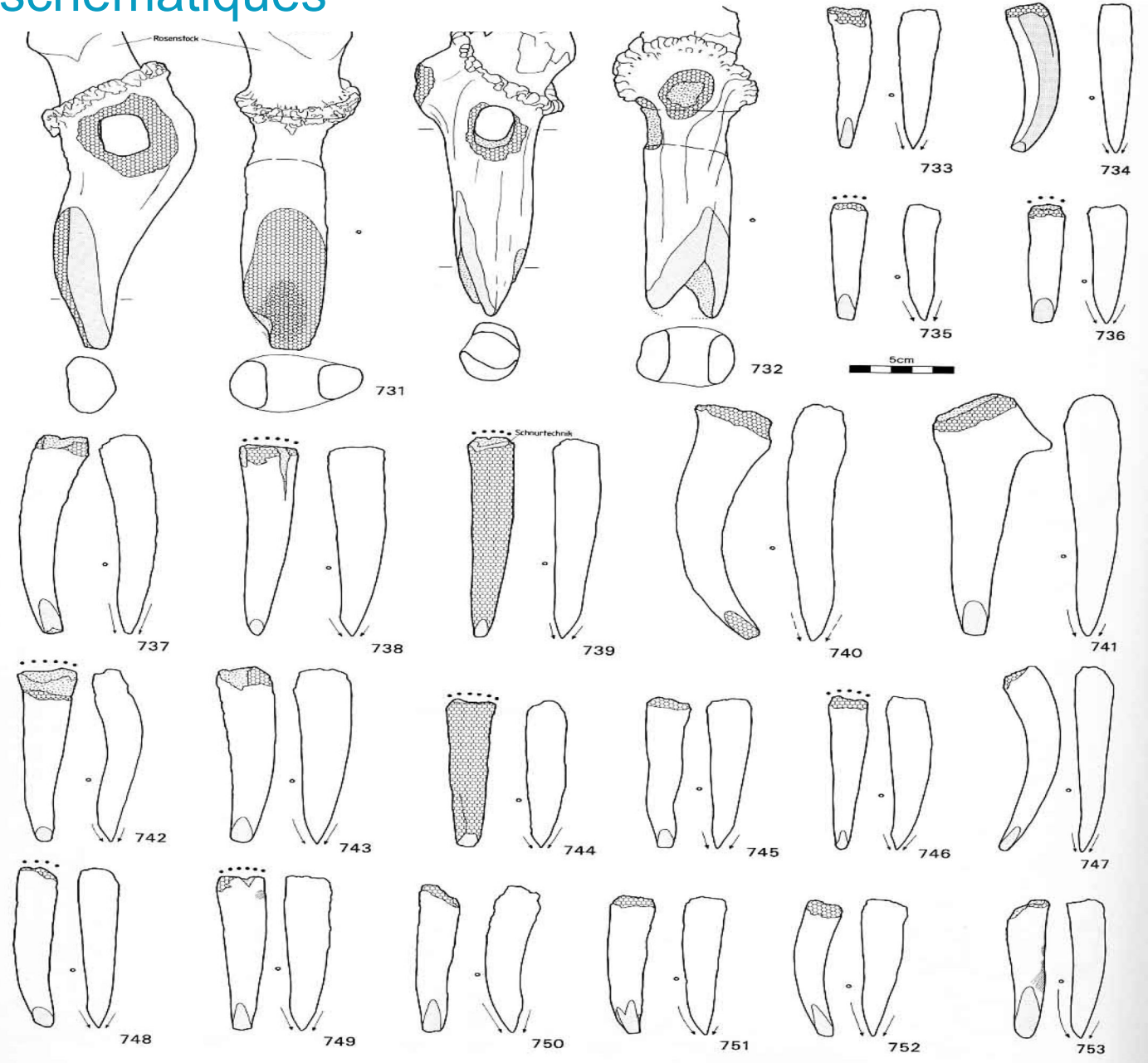
agrandissement



Agrandissement



# Dessins schématiques



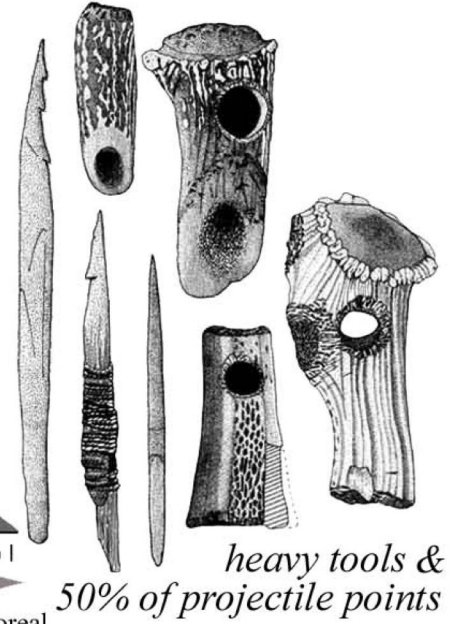
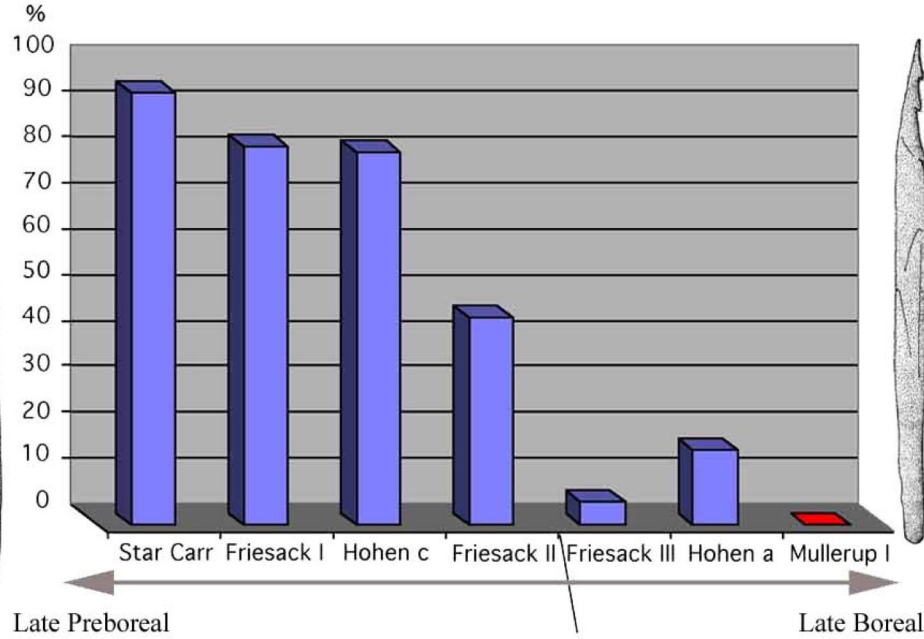
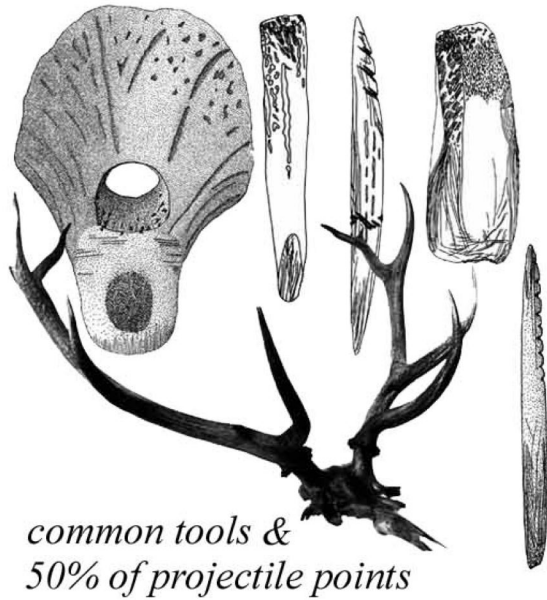
Suter P. J. (1981) *Die Neolithischen Ufersiedlungen von Twann. Die Hirschgeweihartefakte der Cortailod-Schichten*, Band 15. Bern, Staatlicher Lehrmittelverlag, 123p., 77 Taf.

# Dessins schématiques & numériques



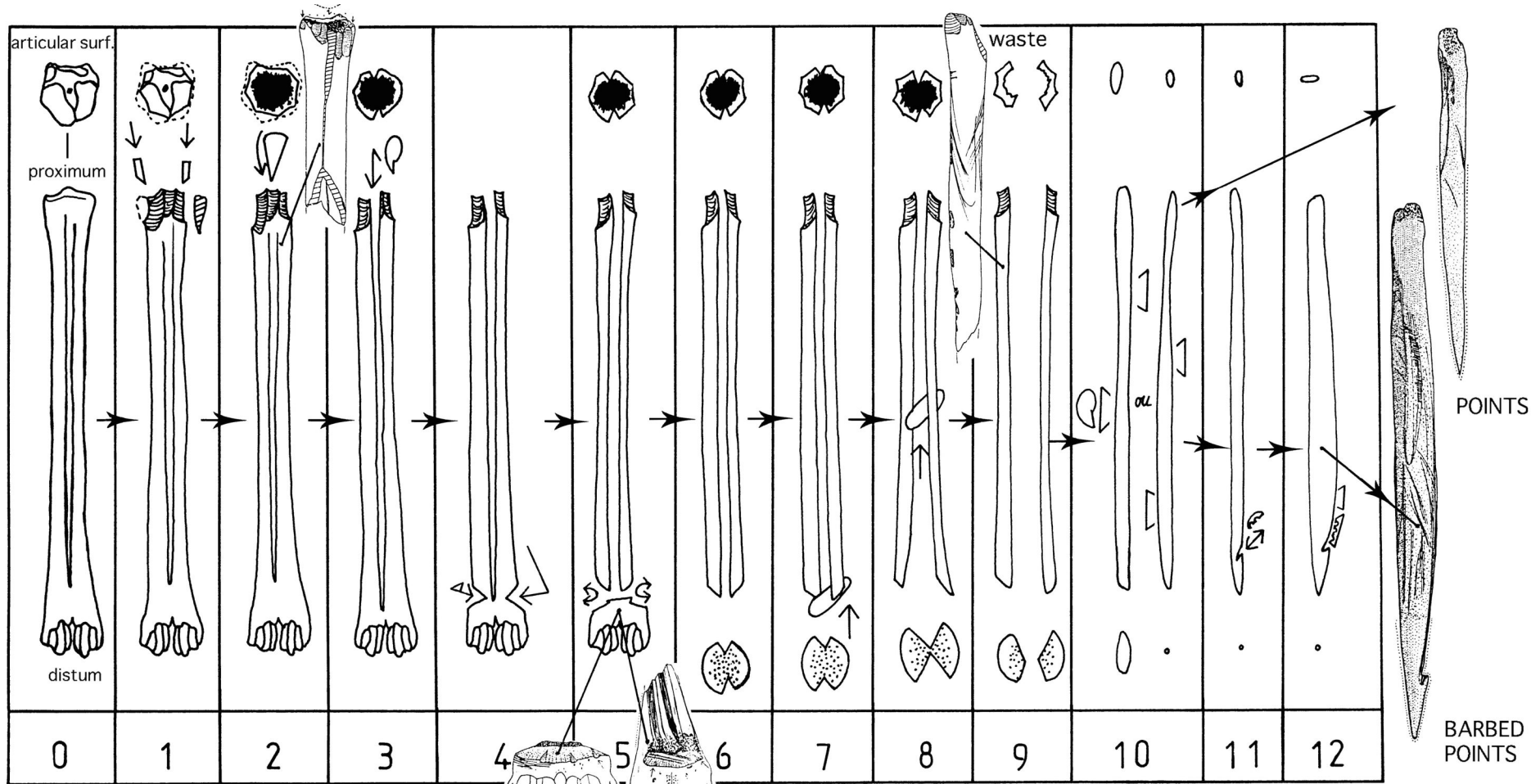
Photo : Loic Hamon (MAN) / Relevé et DAO : Eva David (CNRS)

# Vignettes





# Vignettes



waste waste product used for the manufacture of bodkins

↑ ↓ : direction of percussion

↙ ↘ : wedge-splinter technique (flint flake as punch)

↖ ↗ : bone flake (waste)

⋯ : dotted perforation technique

↕ : groove technique

↔ : sawing technique

↪ ↩ : flexion break

↔ : scraping technique

⚔ : pick-axe hammer (flint)

⚔ : burin (flint)

⚔ : saw (notched flint blade)

⚔ : blade or long flint flake

→ : stages 1 to 12

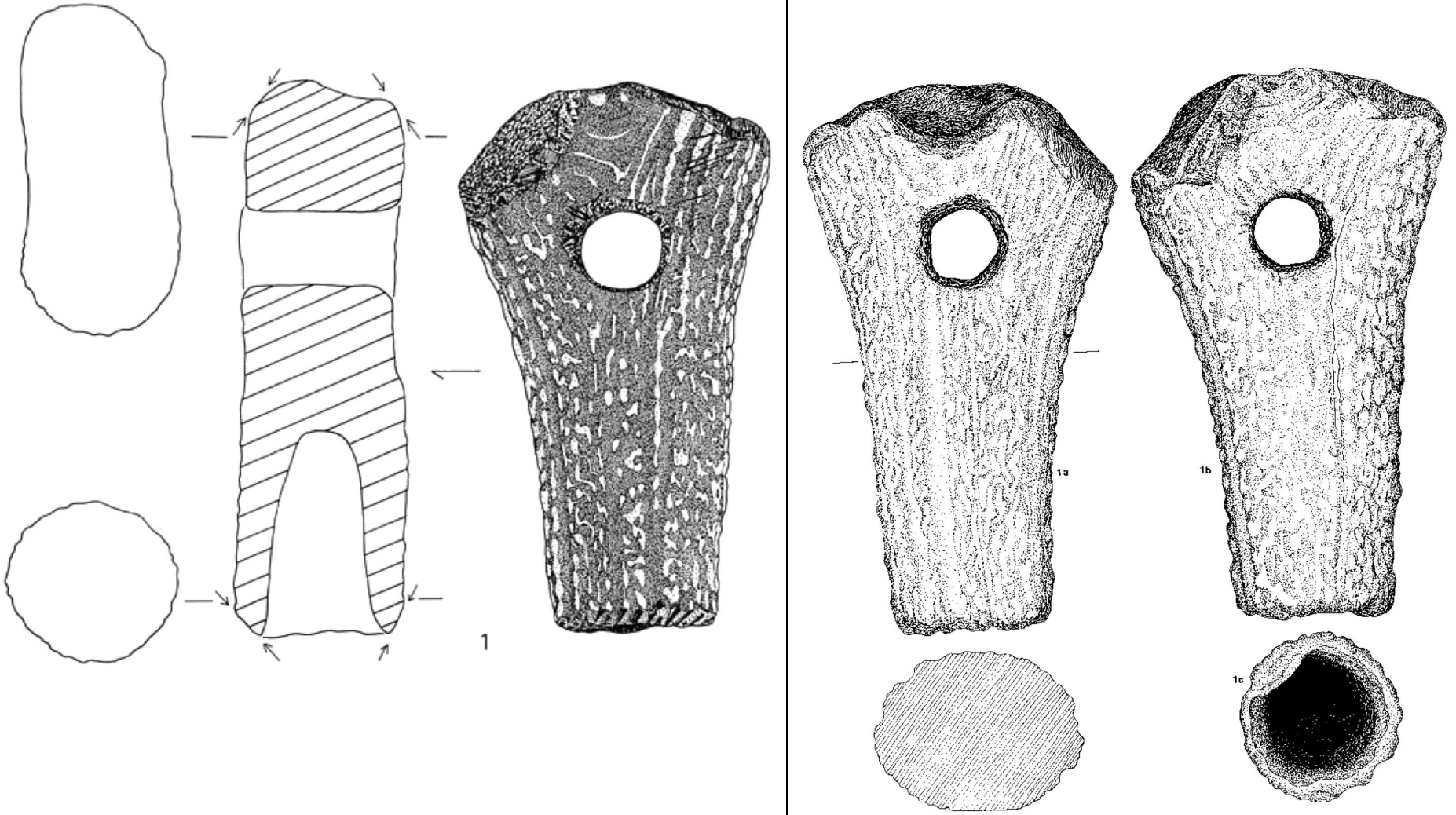
↘ : nicking technique

⚔ : drilling technique

↖ : filing technique

# Dessins

## scientifique versus artistique

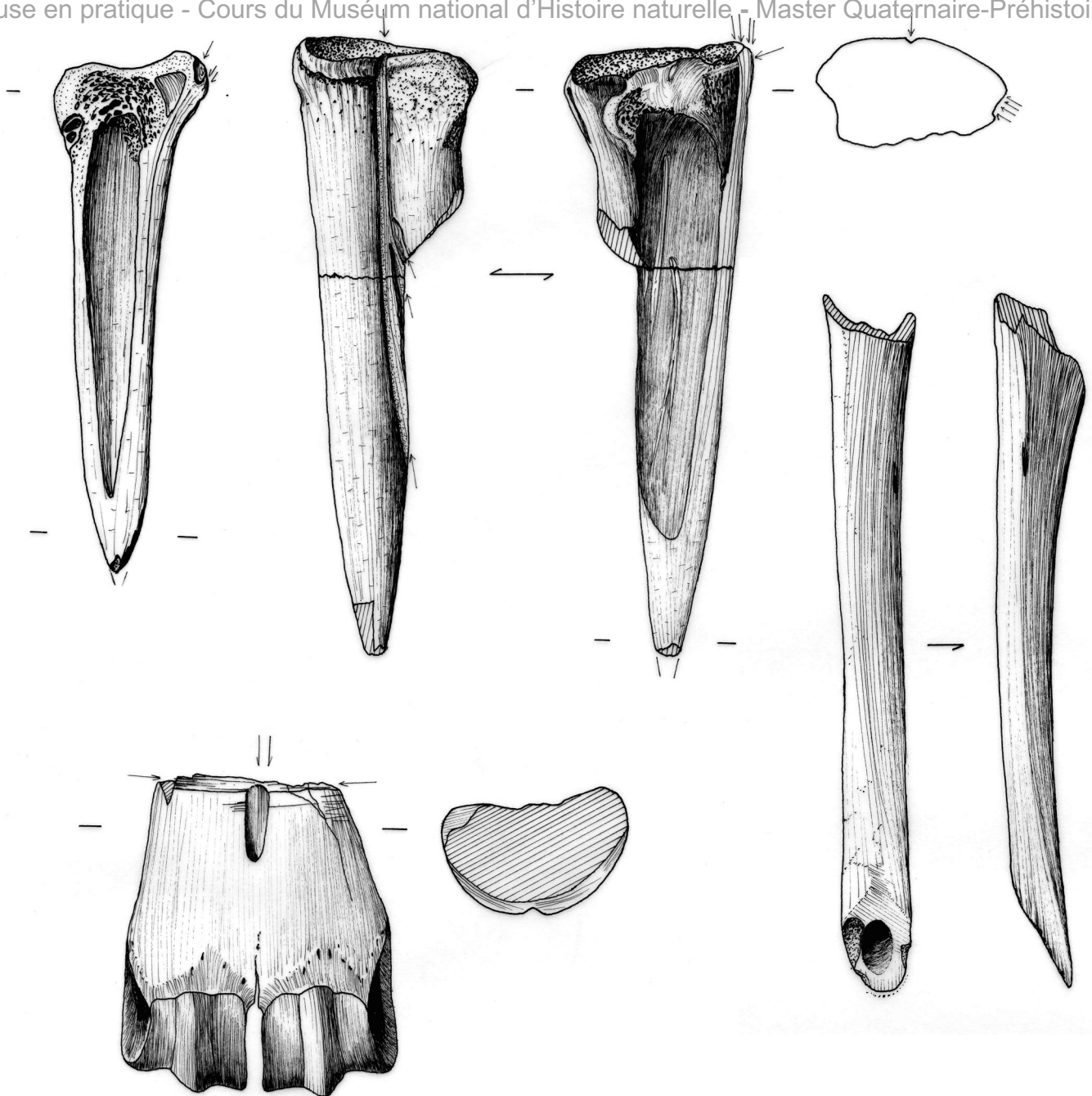
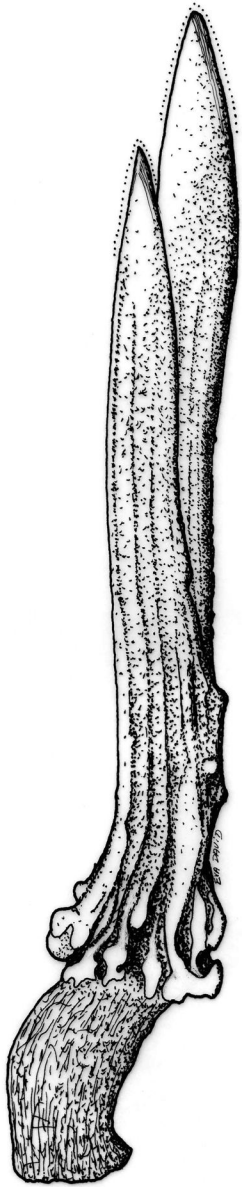


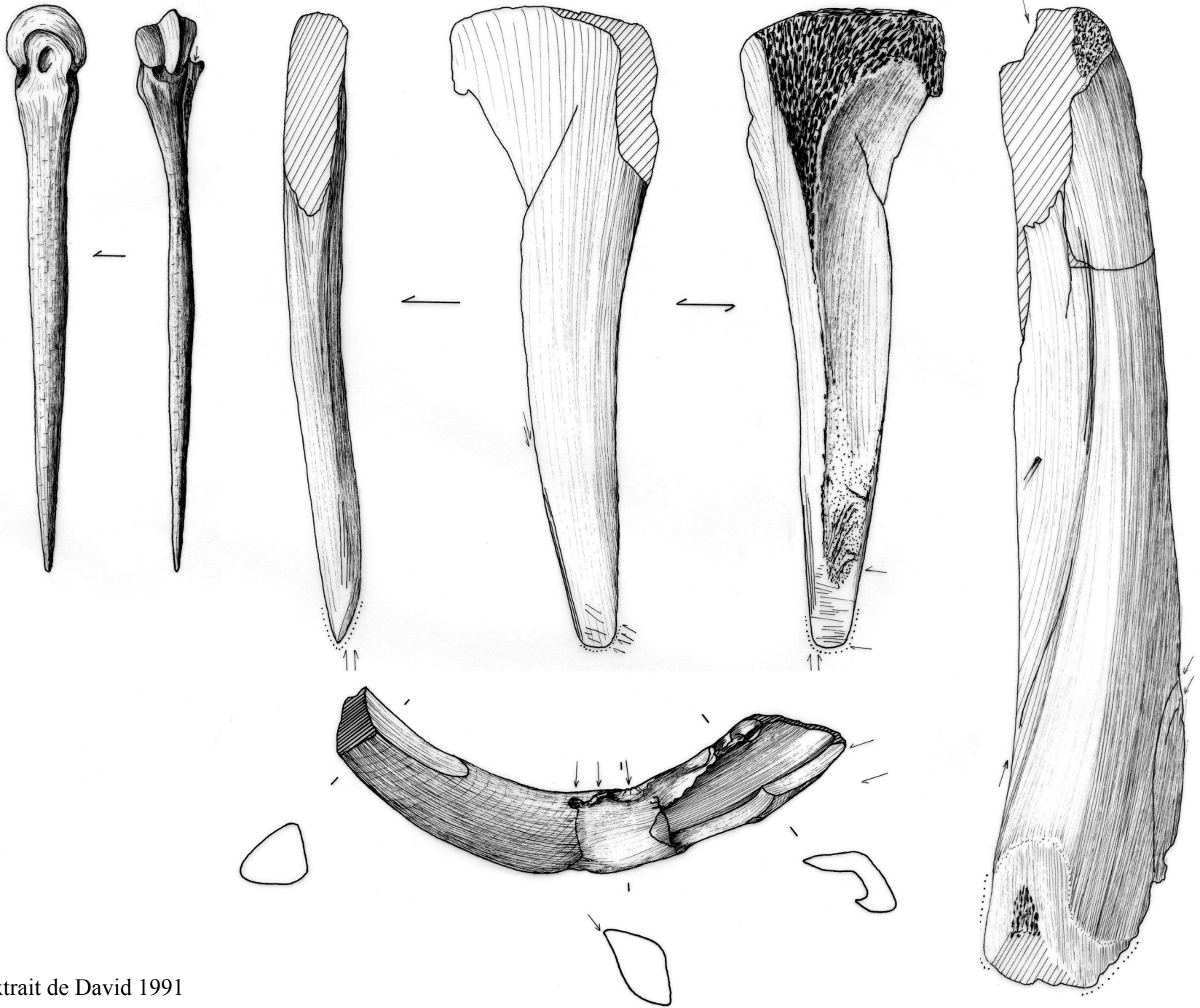
Extrait de

Andersen K., Jørgensen S., Richter J. (1982) *Maglemose hytterne ved Ulkestrup Lyng. Nordiske Fortidsminder Serie B-in quarto Bind 7*. København, Det Kongelige Nordiske Oldskriftselskab, 177p.

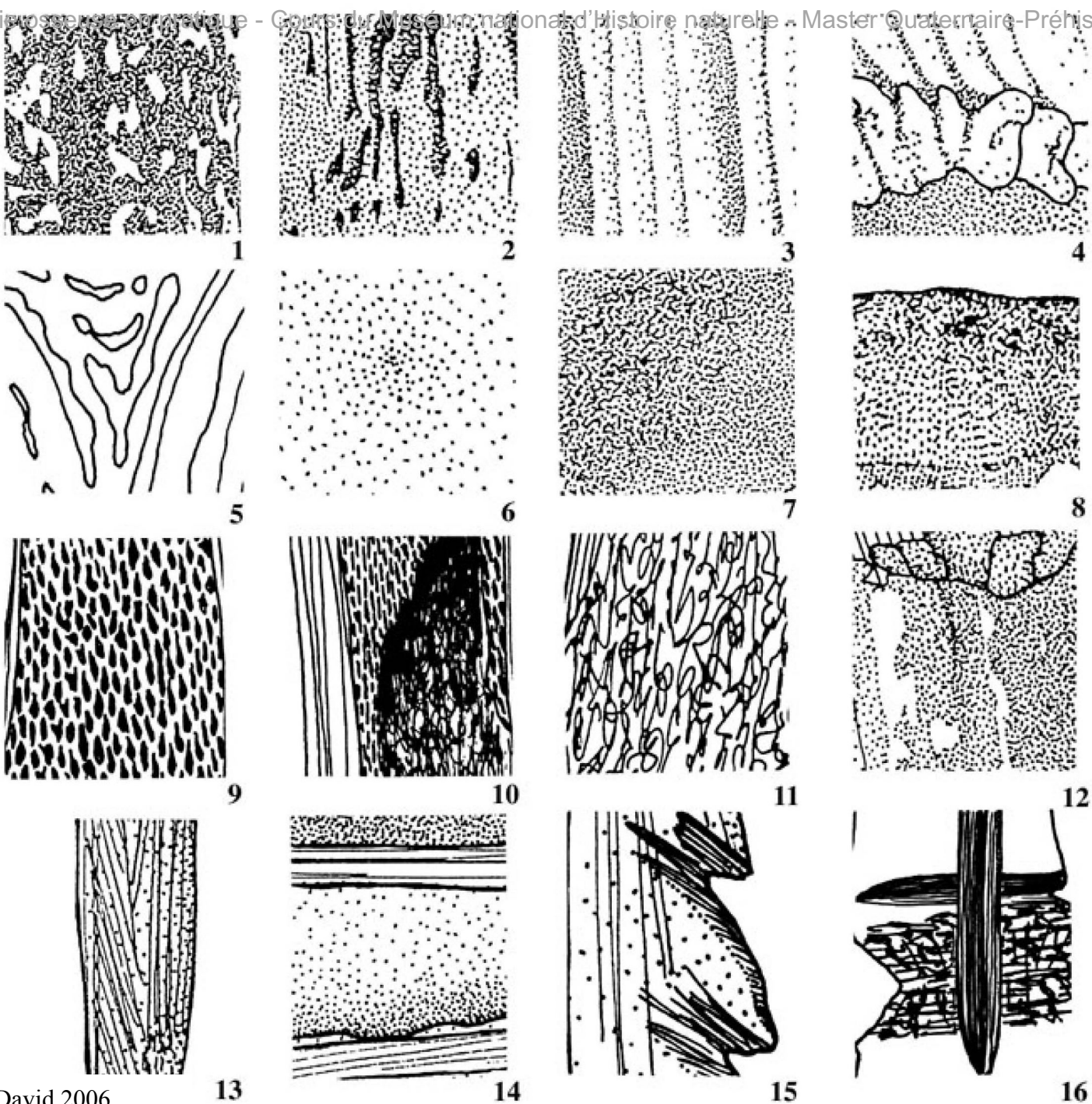


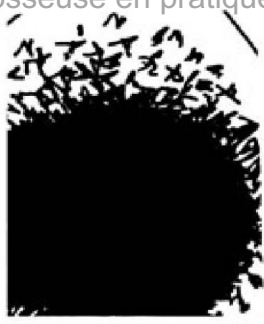
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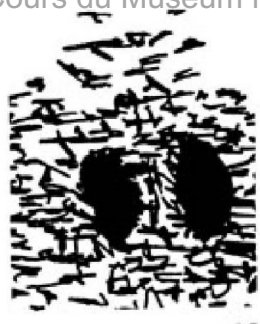




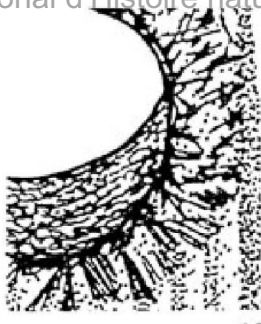




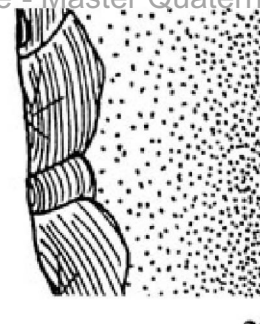
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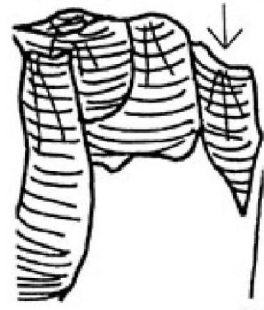
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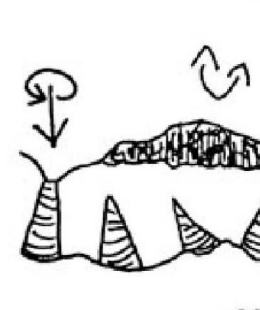
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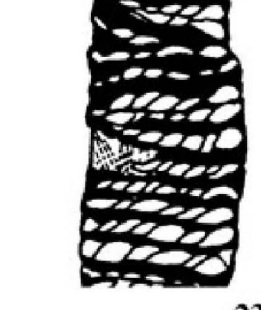
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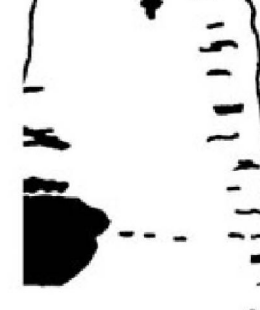
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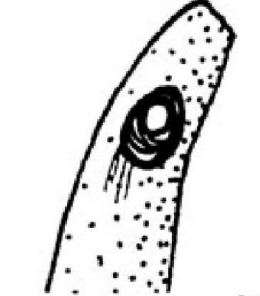
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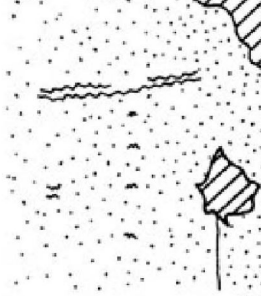
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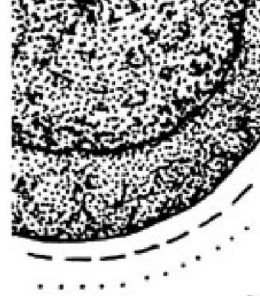
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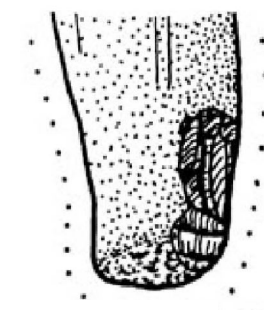
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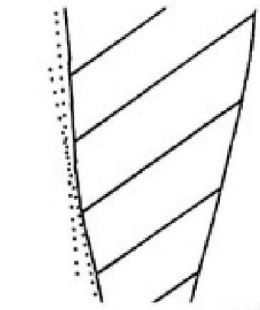
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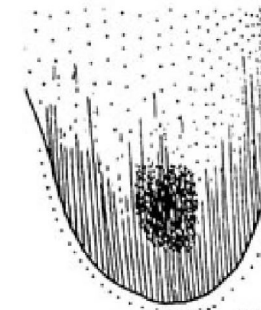
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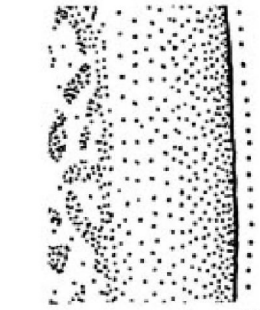
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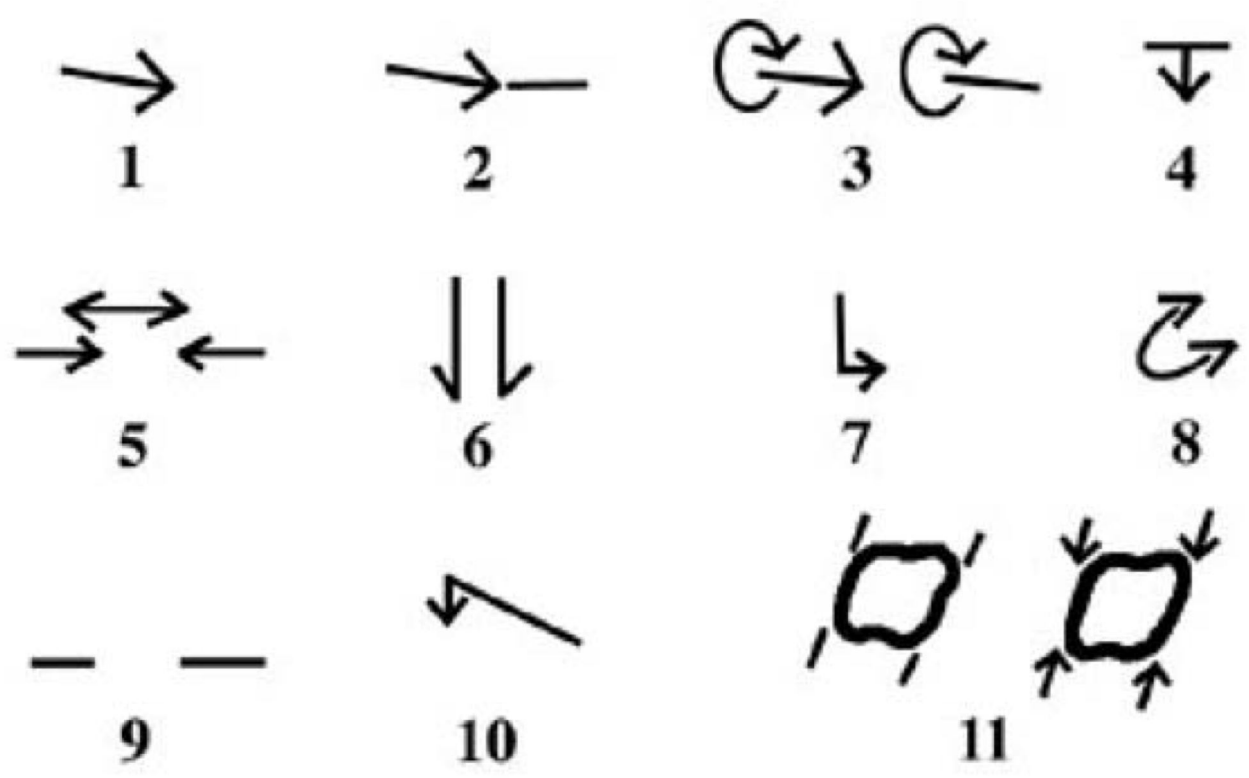
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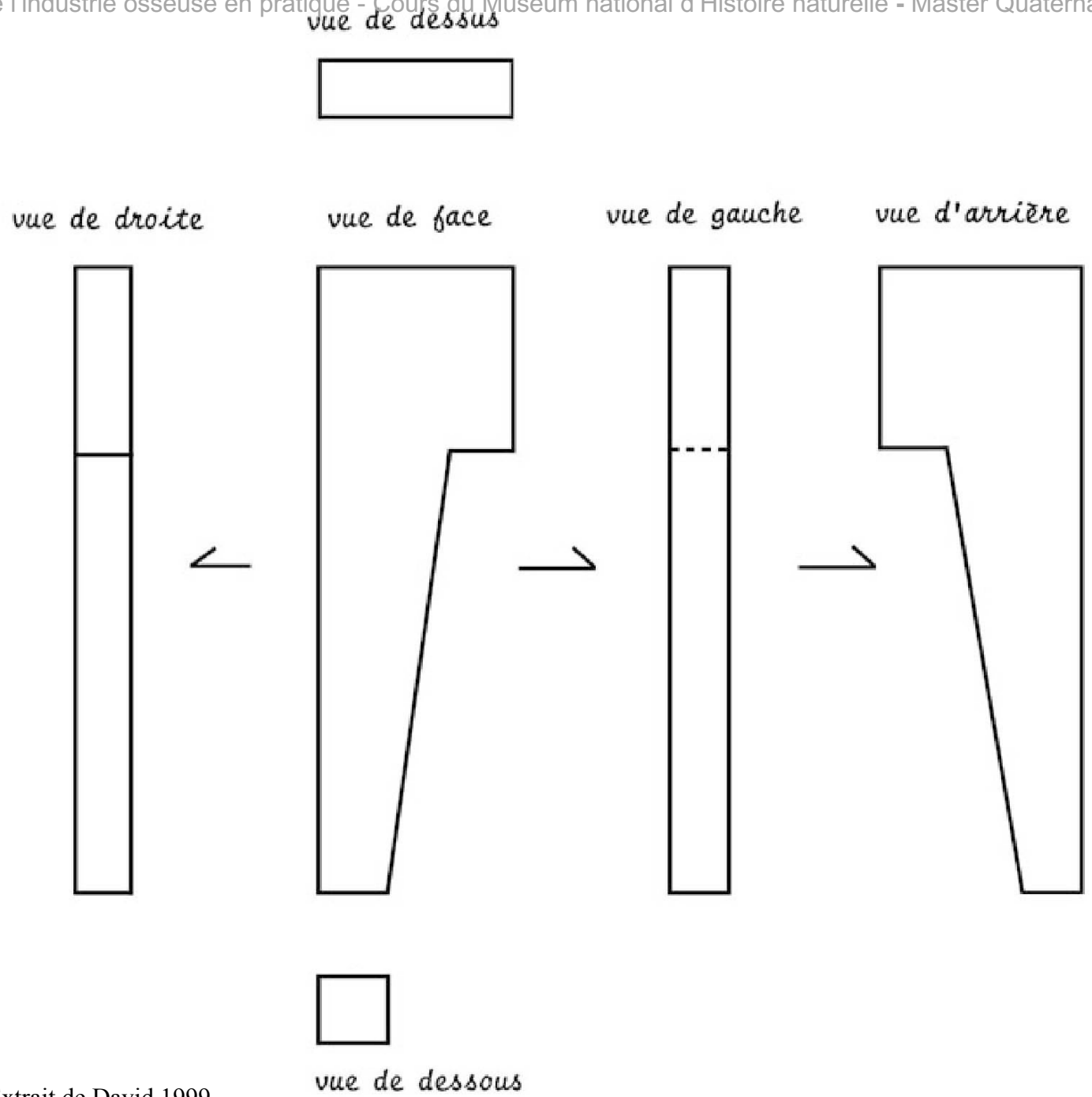
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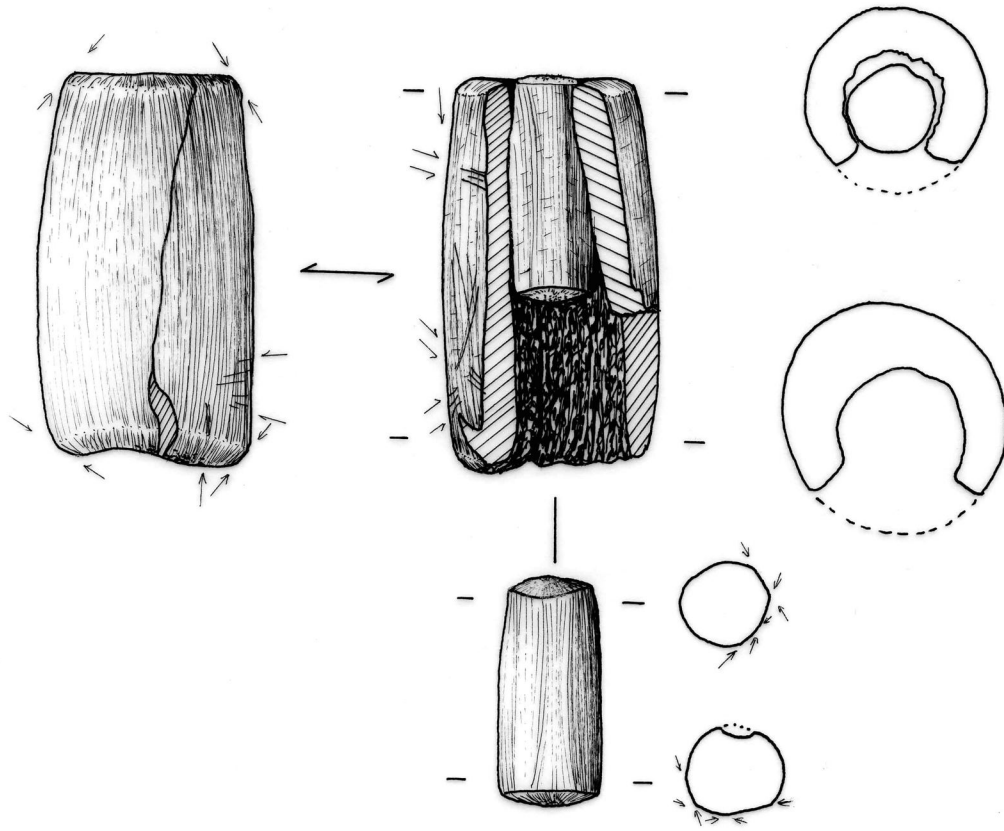


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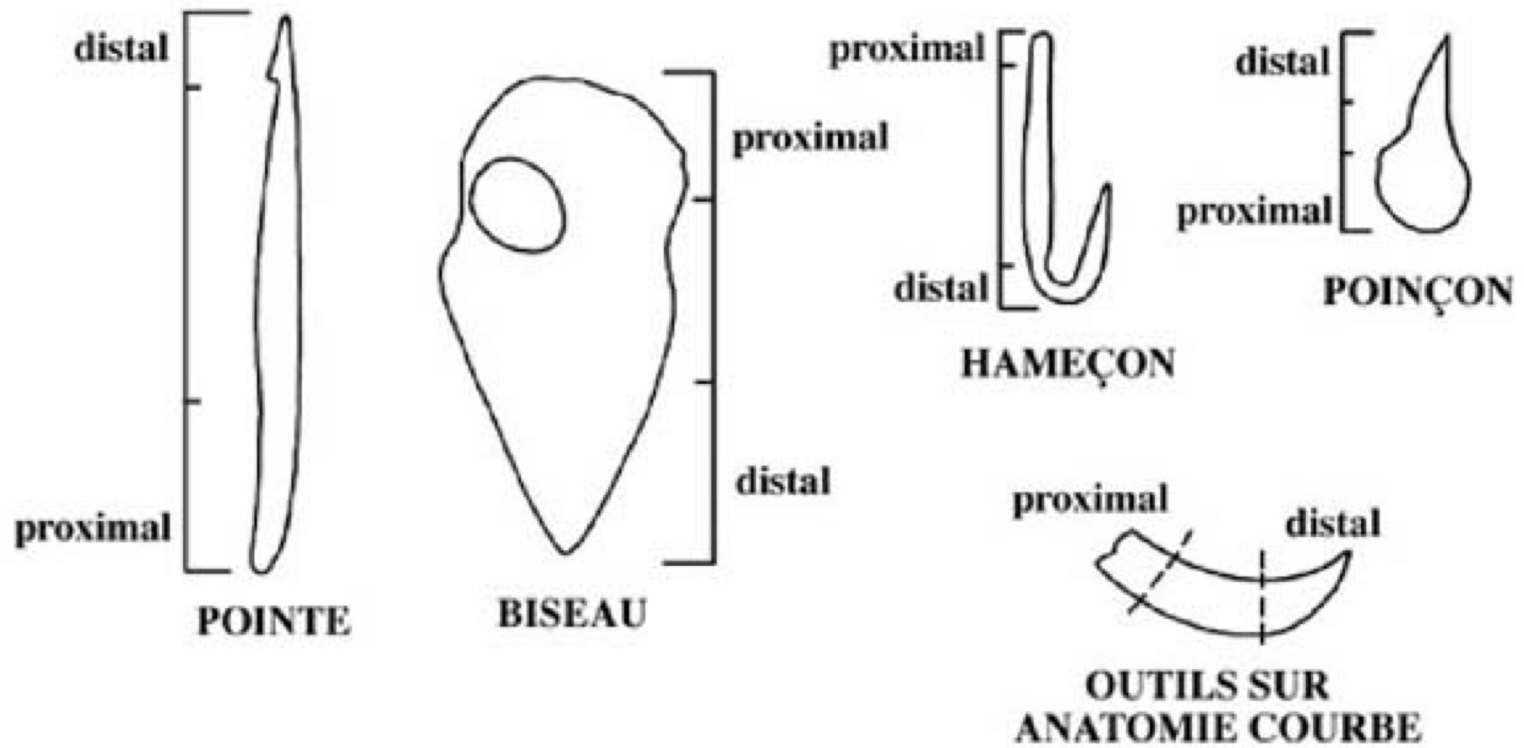


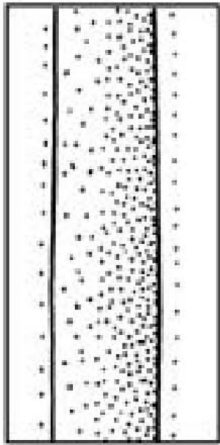




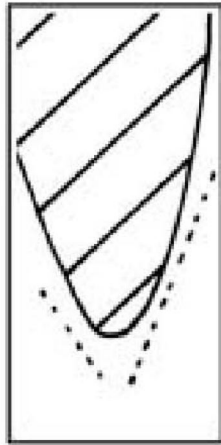




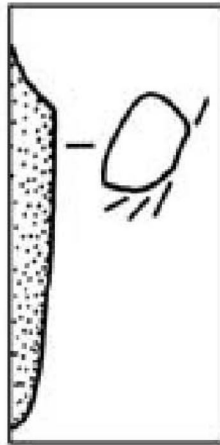




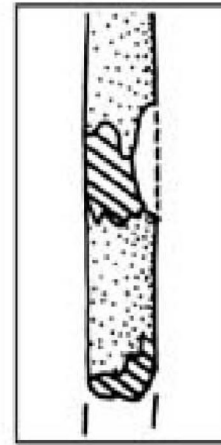
partie active  
(pointe)



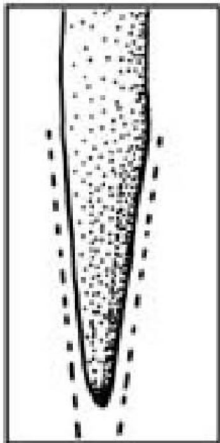
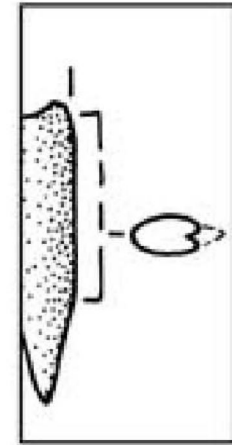
partie active  
(biseau)



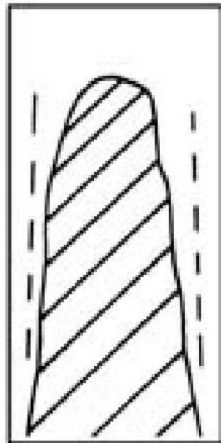
ans de façonnage  
(en section)



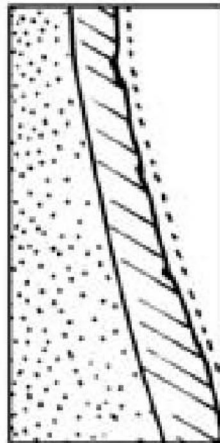
restitutions des zones cassées  
et des parties manquantes



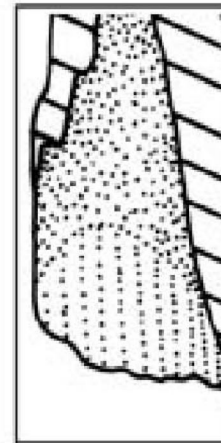
partie emmanchée  
(pointe)



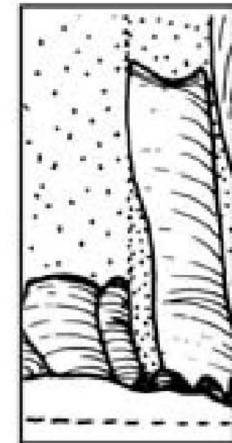
emplacement  
du talon (biseau)



partie active  
d'aspect lustré



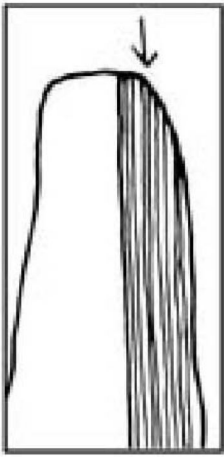
partie active  
d'aspect émoussé



partie active  
esquillée

*Techniques de dessin et DAO : Eva David*

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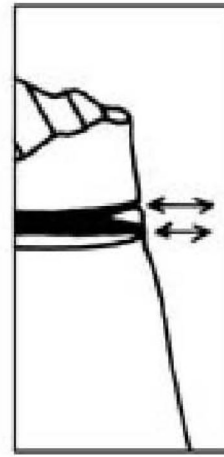
rainurage  
(gorge)



perforation à  
la drille



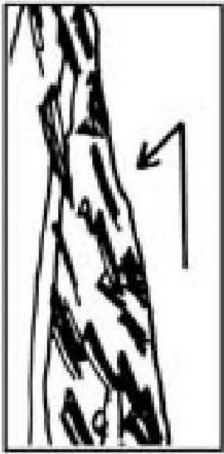
raclage



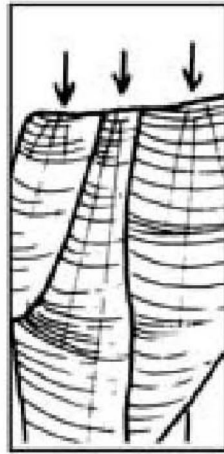
sciage



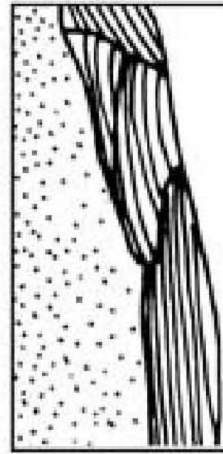
cassure-flexion  
(après sciage)



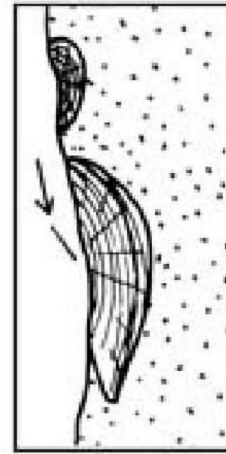
entaillage



coin-éclat  
(négatifs d'enlèvements)



cassure-éclat  
(plans de fracture)



coin-éclat-fente  
(nég. d'enlèvements)

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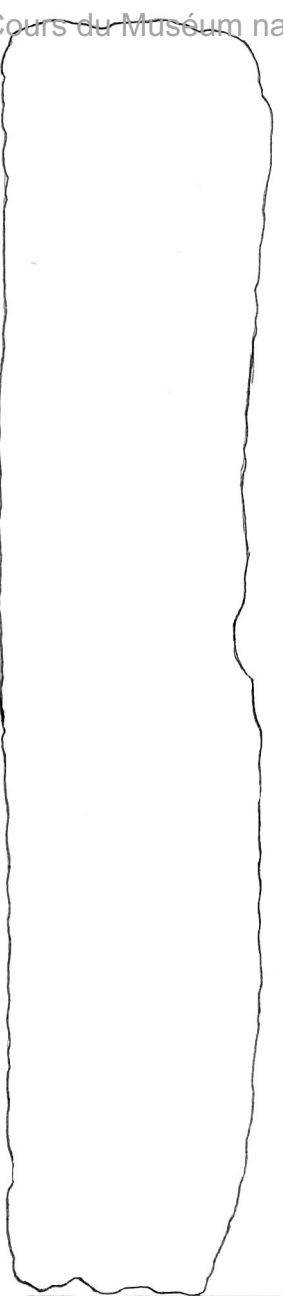
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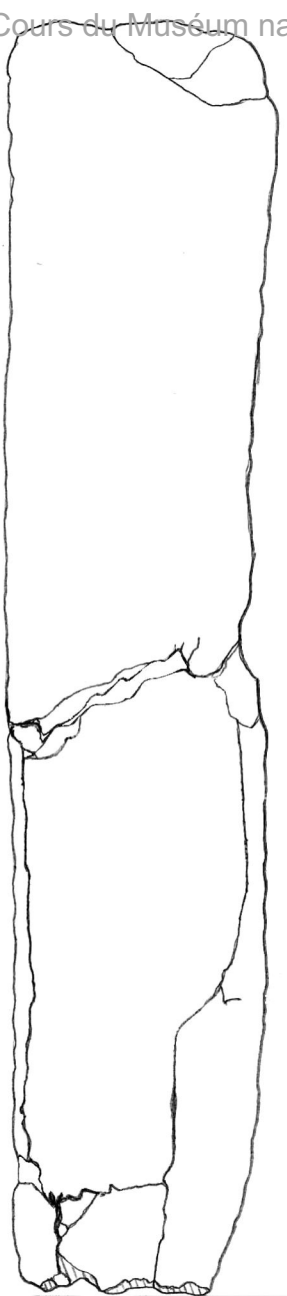
photo



dessin



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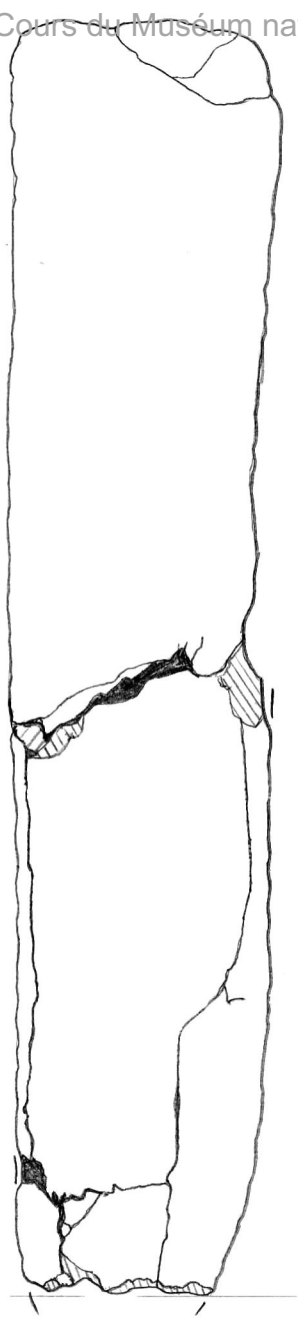


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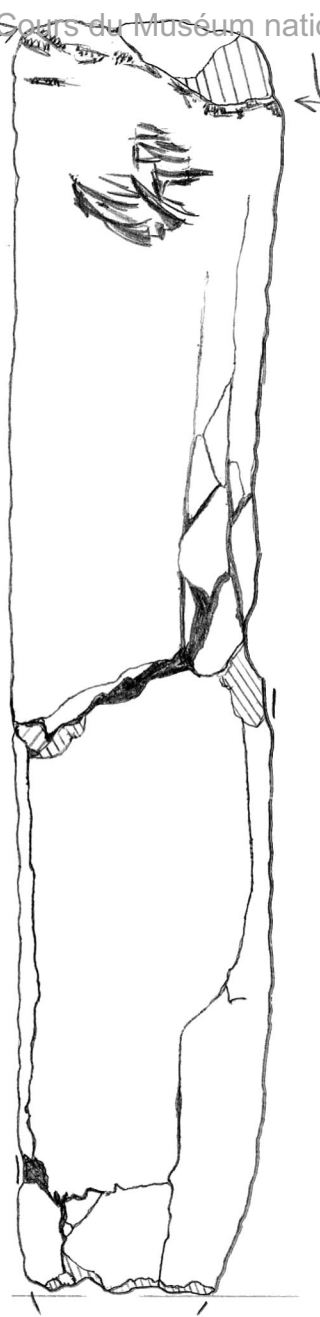
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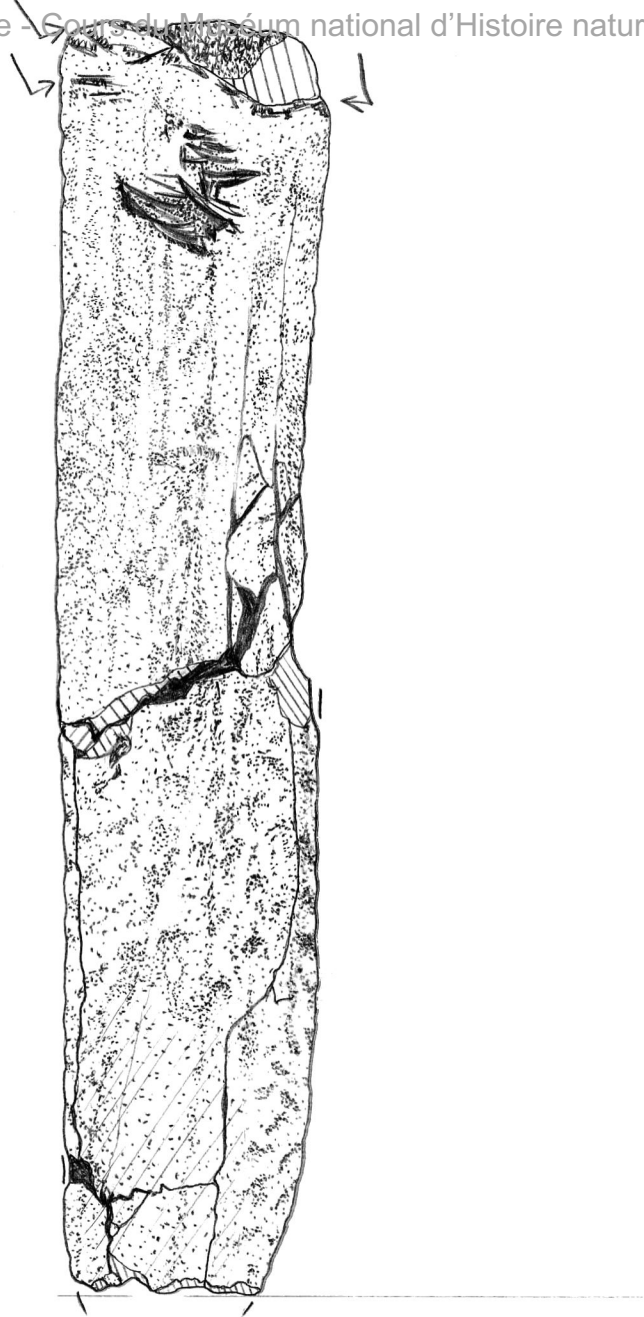


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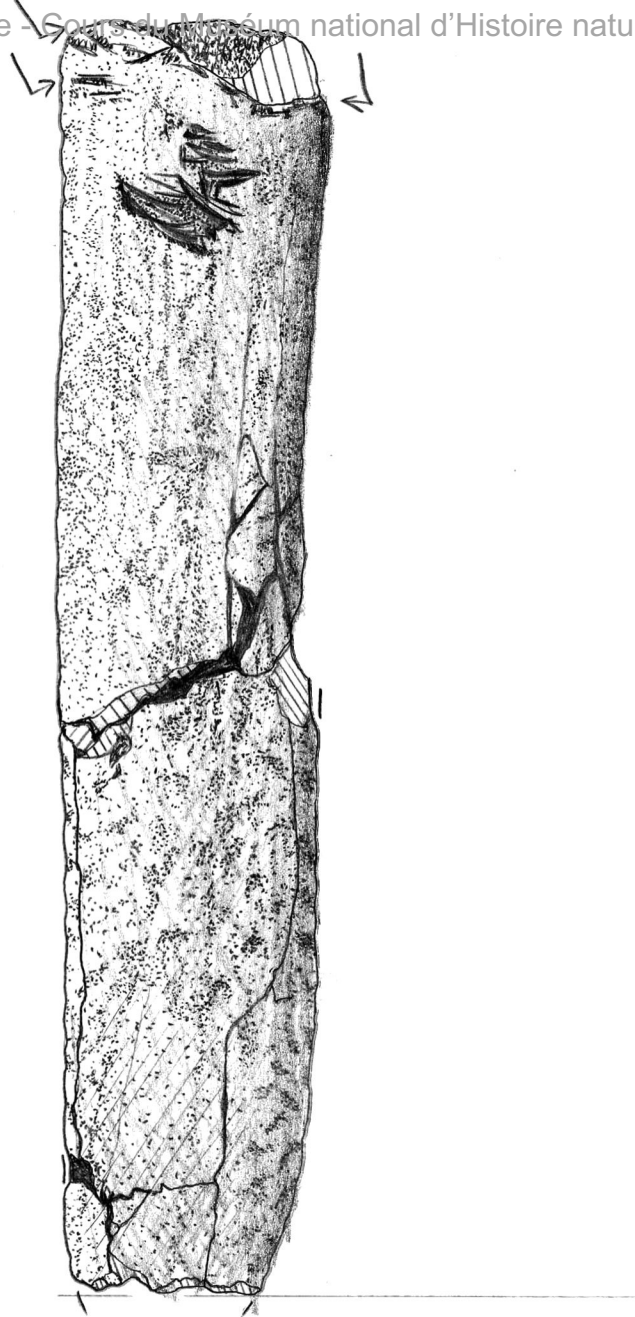


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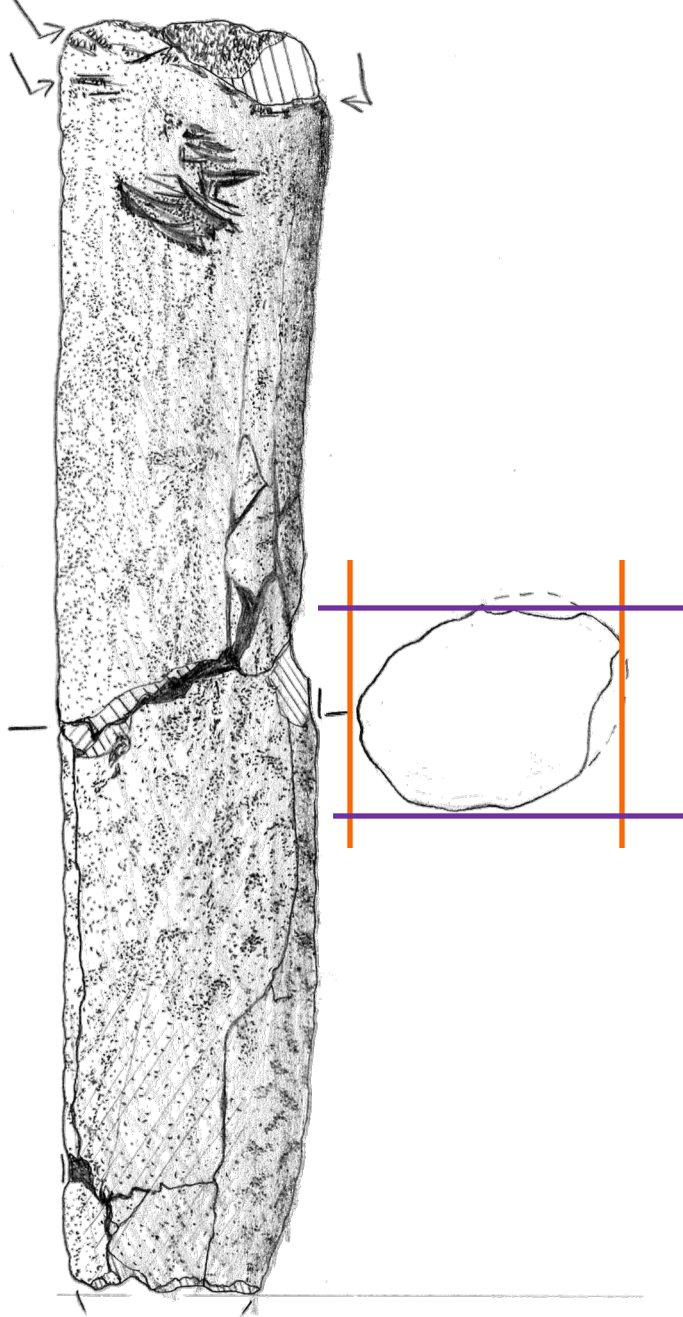
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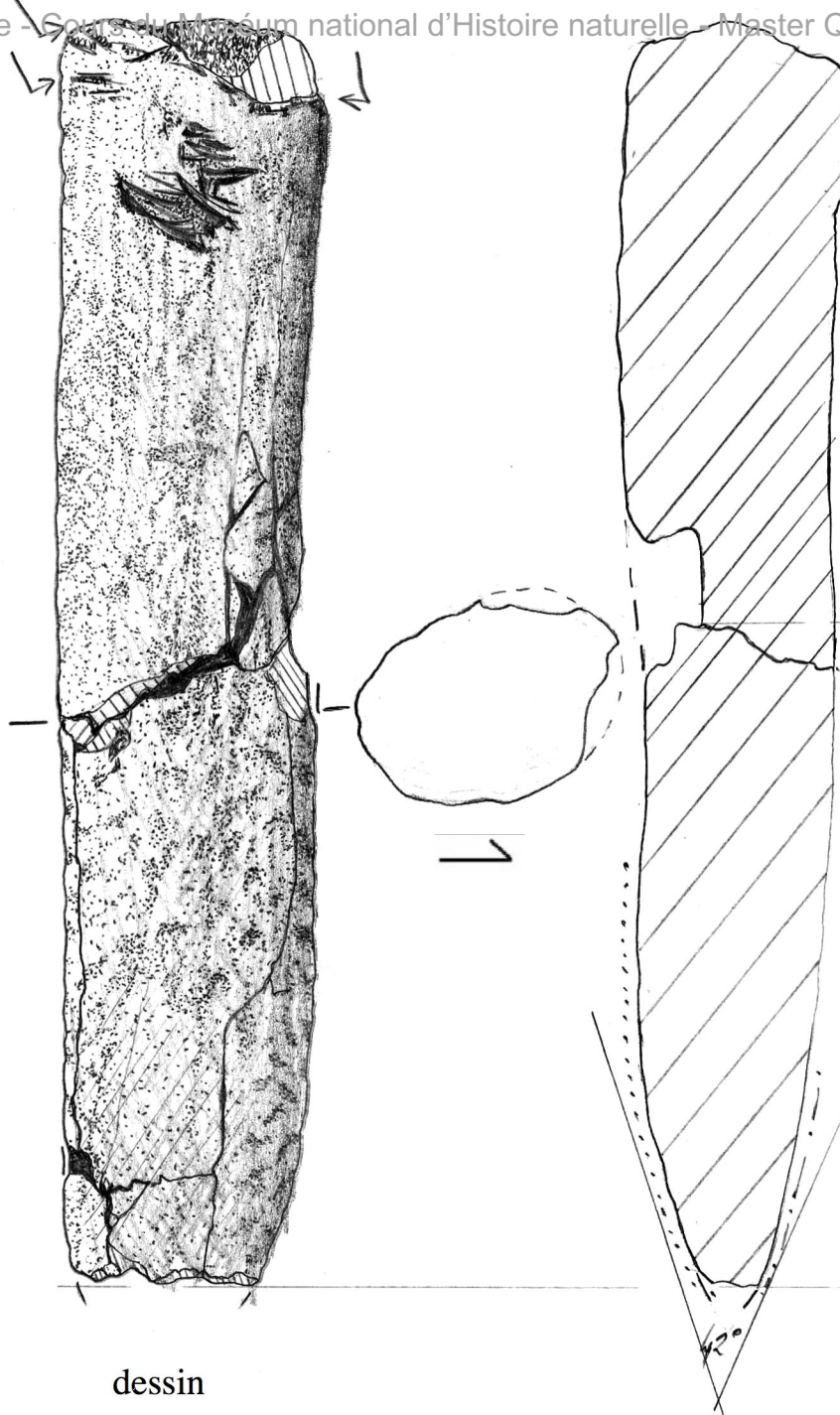


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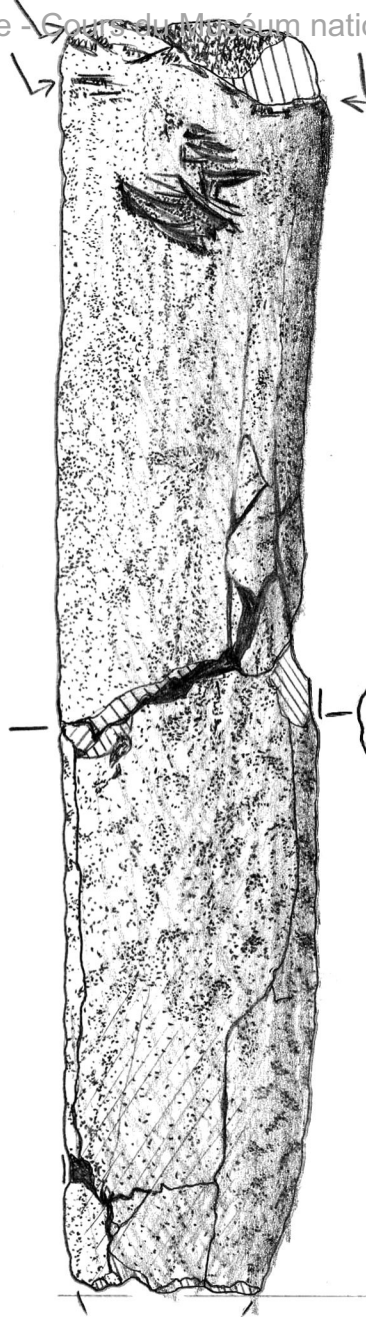
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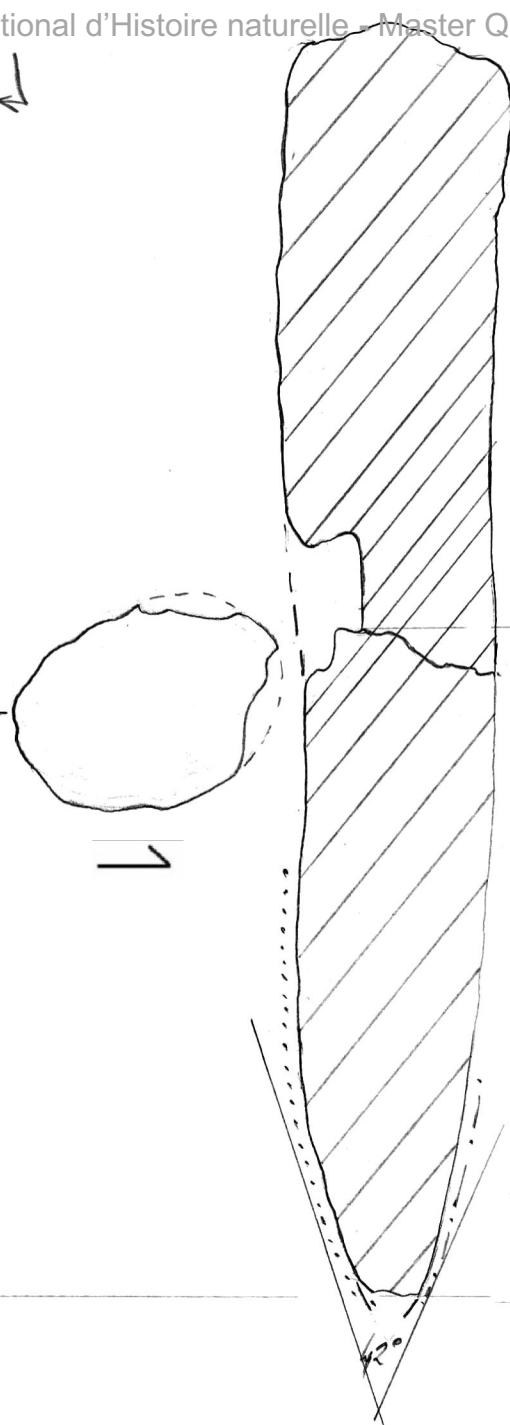
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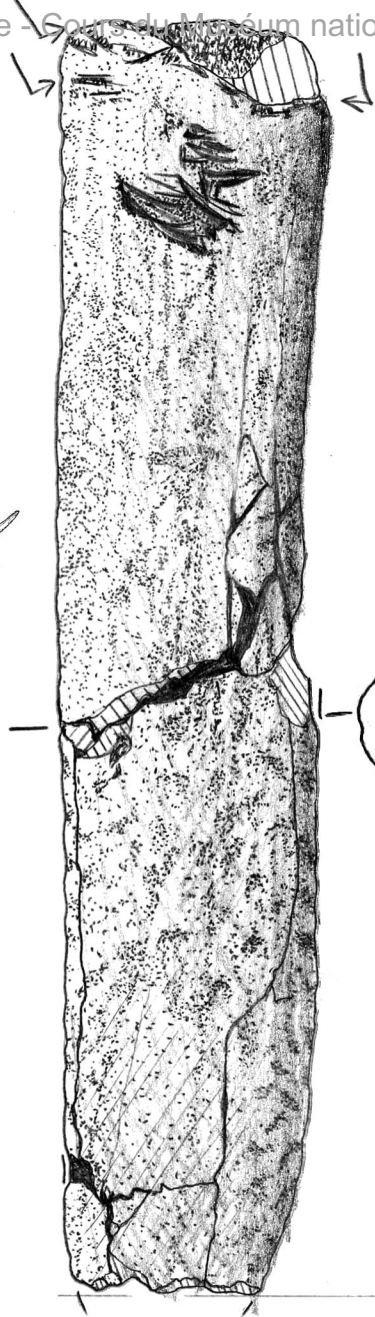
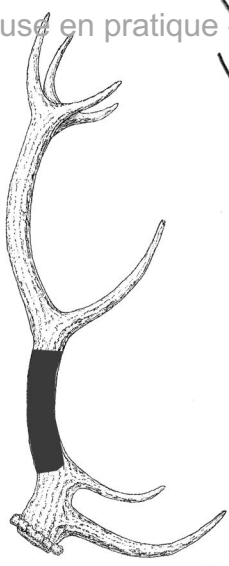
dessin



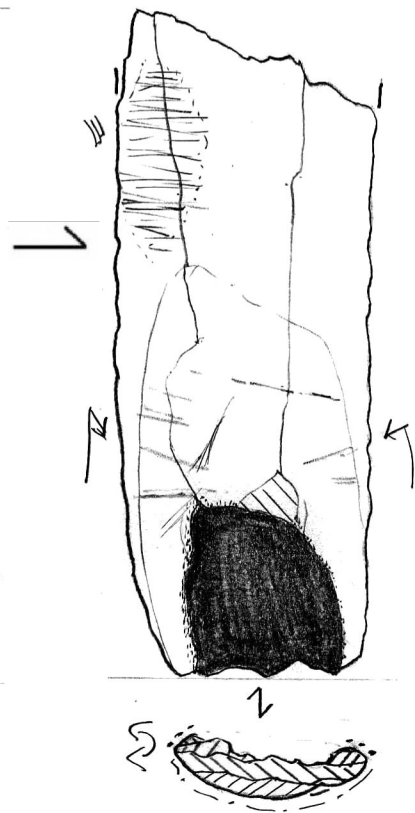
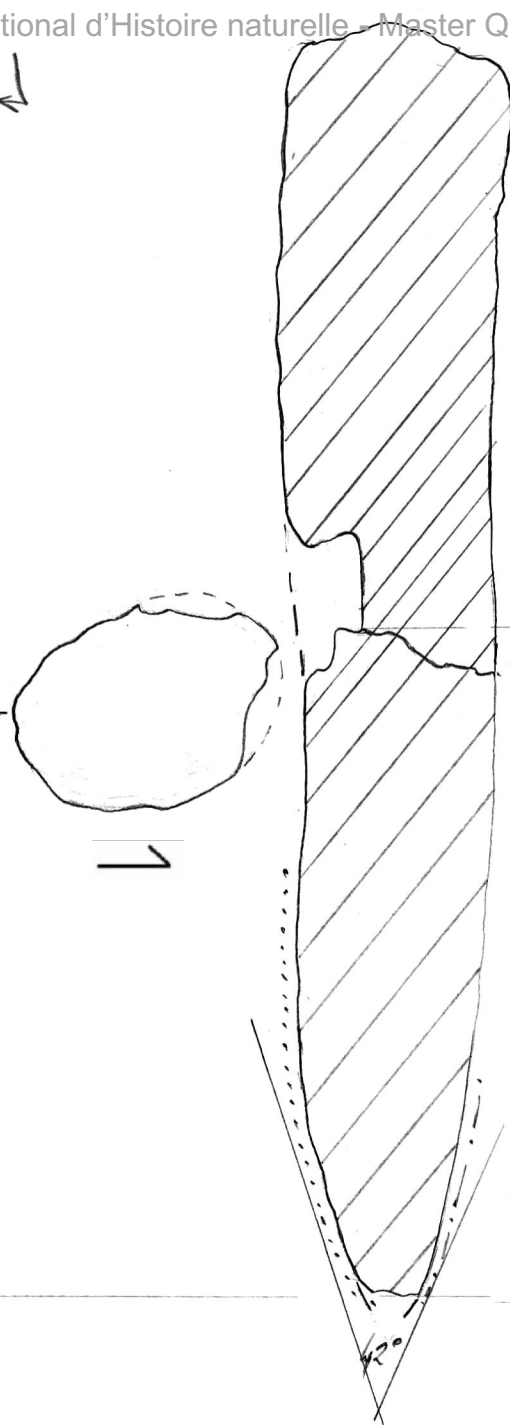
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photo



dessin





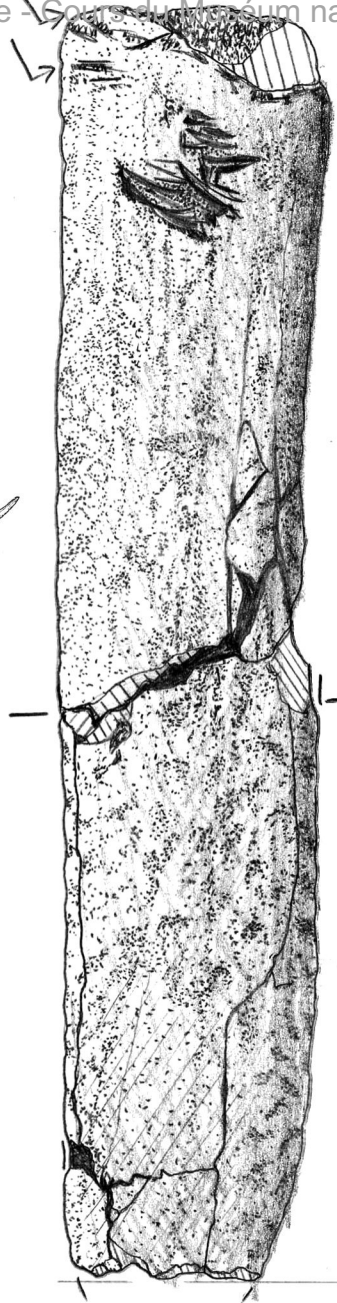
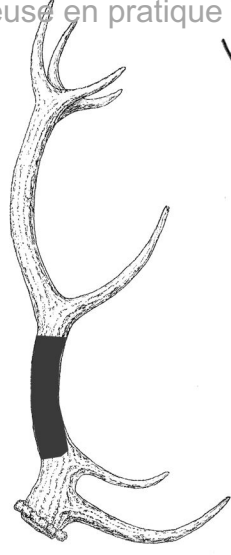
Pais  
Henry ferman  
N°45  
Bis // bois cerf.

... partie aménagée (a)  
... surface / bord usée  
S Cassure flexion (lié)

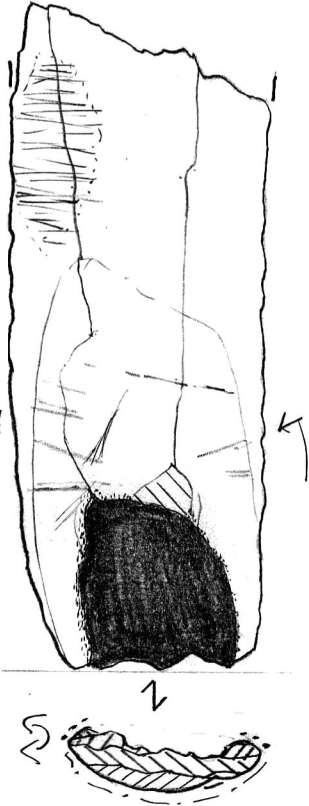
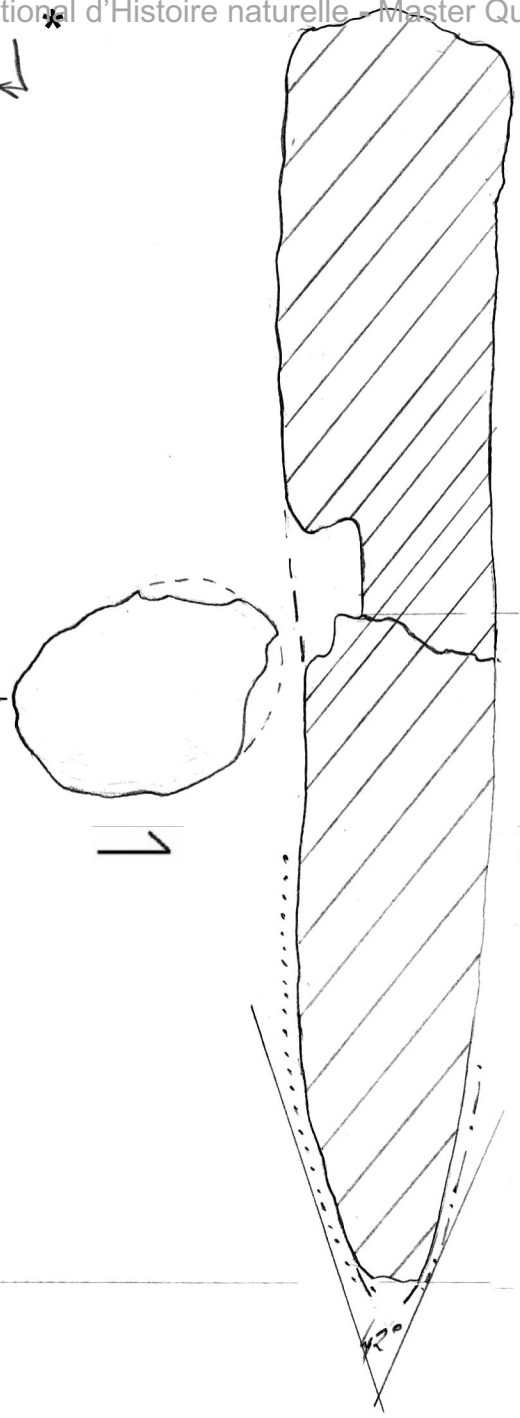
L  
a  
P  
r  
a  
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i  
q  
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e



photo



dessin

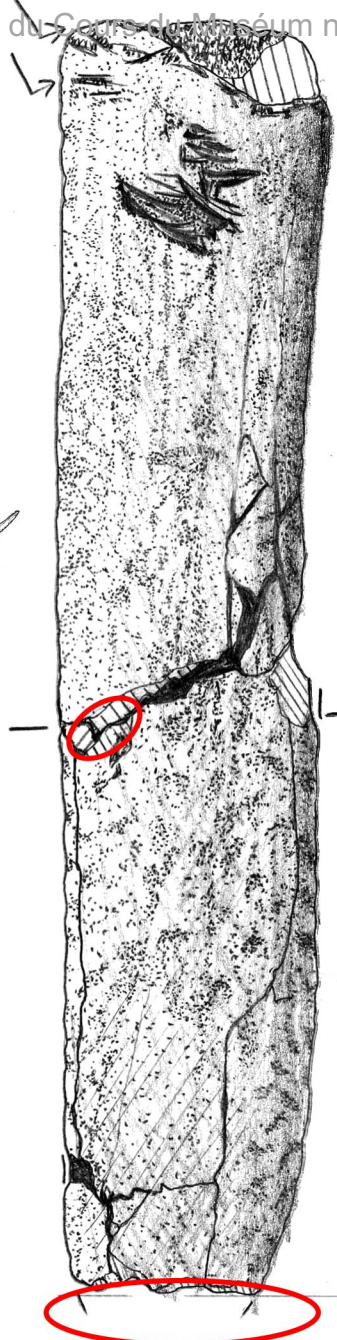
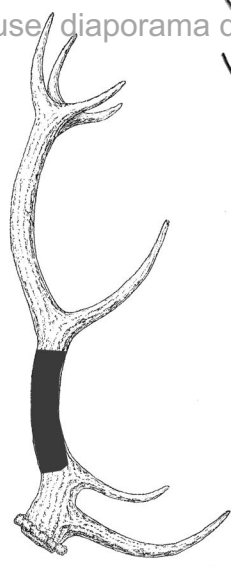




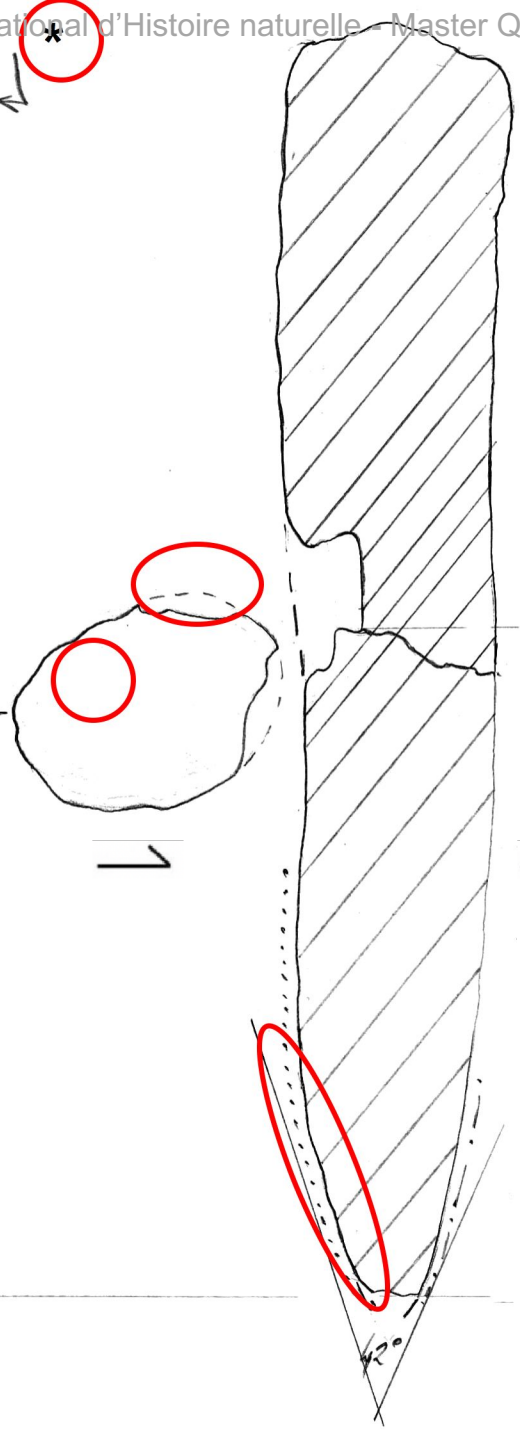
L  
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e



photo

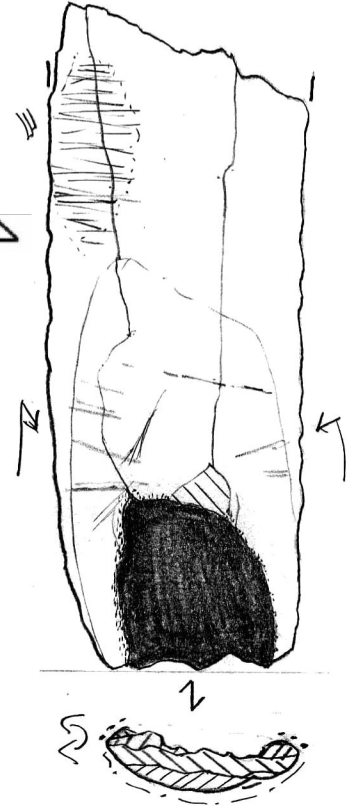


dessin

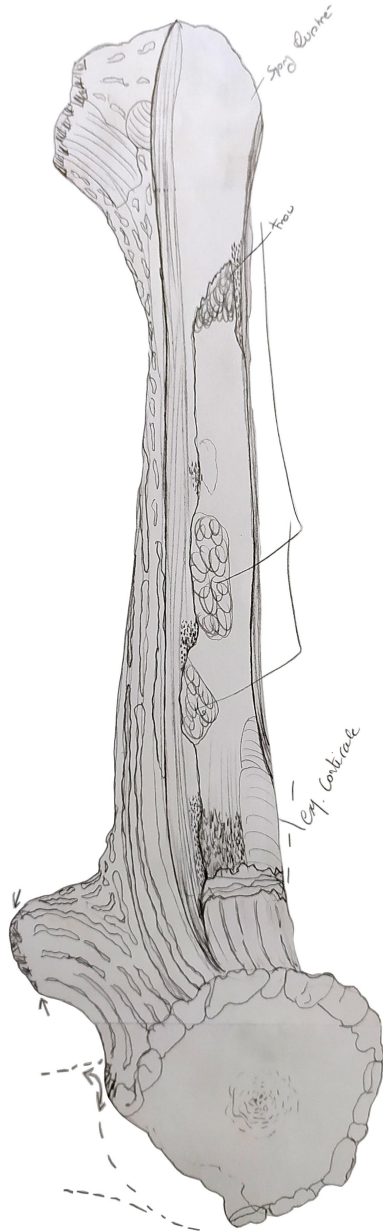


Paris  
Henry Ferman  
N° 45  
Bis // bois cerf.

... partie amincie (a  
--- surface / bord usée)  
? cassure flexion (lié



au graphite  
sur papier  
(mine 0,5)



à l'encre  
sur calque  
(pointe 0,5)



## Références citées et/ou consultées

Billamboz A. (1982) *L'industrie en bois de cervidés de la station littorale d'Auvernier-Port (Suisse). Essai d'étude synoptique*. Besançon, Thèse de 3e cycle.

Camps-Fabrer H. (1979) Orientation et définition des différentes parties d'un objet en os. In, *Industrie de l'os néolithique et de l'Âge des métaux 1*. Paris, Editions du CNRS : 9-11.

Dauvois M. (1976) *Précis de dessin dynamique et structural des industries lithiques préhistoriques*. Paris, Editions du CNRS.

David, É. (1991) *Étude diachronique des industries en os et en bois de cerf de l'habitat chasséen et seine-oise-marne de Boury-en-Vexin (Oise)*. Toulouse, Mémoire de Diplôme de l'École des Hautes Études en Sciences Sociales.

David, É. (2003) The contribution of a technological study of bone and antler industry for the Definition of the Early Maglemose Culture. In, L. Larsson, H. Kindgren, K. Knutsson, D. Loeffler & A. Åkerlund (eds.), *Mesolithic on the Move. Papers presented at the 6th International Conference on the Mesolithic in Europe, Stockholm, 4-8 September 2000*, 649-657. Exeter, Oxbow Books.

David É. (2006) Technical behaviour in the Mesolithic (9th-8th millennium cal. BC): The contribution of the bone and antler industry from domestic and funerary contexts. In, L. Larsson & I. Zagorska (eds.), *Back to the origin; New research in the Mesolithic-Neolithic Zvejnieki cemetery and environment, Northern Latvia*, 235-252. Lund (*Acta Archaeologica Lundensia* 52).

David, É., Filippi L., Dufayet Cl. (2014) Os de l'autopode (métapodes, phalanges et grands sésamoïdes). In, L. Mons, S. Péan & R. Pigeaud (eds.), *Matières d'art. Représentations préhistoriques et supports osseux, relations et contraintes : Enrichi d'une iconographie paléolithique sur DVD réalisé par É. DAVID*, 177-210. Arles, Éditions Errance (Industrie de l'os préhistorique - Cahier XIII).

Feugère M. (1982) Normalisation du dessin en archéologie : le mobilier non-céramique (métal, verre, os, bois, terre cuite). In, *Résultats de la table-ronde de Valbonne réunie le 12 Juin 1980 au Centre de Recherches Archéologiques*, 4-32. Sophia-Antipolis, CRA (Documents d'Archéologie méridionale - Numéro spécial, Série Méthodes et Techniques).

Guilaine J., Freises A., Montjardin R. (1984) *Leucate-Corrège, habitat noyé du Néolithique Cardial*. Toulouse, Centre d'Anthropologie des Sociétés Rurales.

Laurent P. (1977) Le dessin de l'industrie osseuse préhistorique. In, *Colloques internationaux du CNRS n° 568. Méthodologie appliquée à l'industrie de l'os préhistorique, Abbaye de Sénanque (Vaucluse), 9-12 Juin 1976*, 27-48. Paris, Editions du CNRS.