

# Contents

<b>I. General information</b>	1-3
1. Introduction	1
2. Excavation reports Rijckholt-St. Geertruid 1964-1972	1-2
3. Members of the Prehistoric Flint Mines Working Group	3
4. Survey of donors	3
5. Translations	3
<b>II. Geography and geology</b>	5-12
1. Geography	5
2. Geology	5-12
2.1. Vijlen Member [1], Gulpen Formation, Maastrichtian	
2.2. Lixhe Member [2], Gulpen Formation, Maastrichtian	
2.3. Lanaye Member [3], Gulpen Formation, late Maastrichtian	
2.4. Valkenburg Member [4], Maastricht Formation, Maastrichtian	
2.5. Geological section	
<b>III. Flint</b>	13-16
1. Geological aspects	13-14
1.1. Geological investigations	
1.2. Archaeology-related studies	
2. Archaeological descriptions	14-16
<b>IV. Investigations at Rijckholt prior to 1964</b>	17
<b>V. The Working Group's excavations</b>	19-31
1. Aims and objectives	19
2. Working methods during the excavation	19-29
3. Recording methods employed	29-31
3.1. Plotting the artefacts	
3.2. Plotting the map	
3.3. Plotting the main gallery	

<b>VI. Interpreting the evidence</b>	33-61
1. Planimetric areal measurements	33
2. CAD, map and artefacts	33
3. Map: interpretations	33-41
3.1. Measurements and observations	
3.2. Reconstruction of prehistoric method of working	
3.3. Shaft construction	
3.4. Construction of galleries	
 <b>VII. Finds</b>	 43-60
1. Mining implements	43-49
1.1. Rope marks	
1.2. Wooden implements (voids)	
1.3. Bone tools	
1.4. Stone tools	
2. Flakes	49
3. Cores	49
4. Faunal remains	49-54
4.1. Amphibians	
4.2. Birds	
4.3. Mammals	
4.4. Invertebrates (gastropods)	
5. The Rijckholt skulls	54-57
5.1. 'Rijckholt I skull'	
5.2. Hamal Nandrin's skull	
5.3. The skull of the Dominican friars	
5.4. An Enigma	
5.5. Summing up	
6. Marks left by hafted flint picks	57-58
7. Charcoal	58-60
 <b>VIII. Duration and intensity of exploitation</b>	 61-70
1. C14-dating of prehistoric flint mines in southern Limburg and contiguous areas	61
2. Chronology	61-65
3. Socio-economic aspects	65-70
3.1. Control over resource	
3.2. Standardisation of methods and efficiency of extraction and tool production	
3.3. Special activity areas	
3.4. Intensity of production	
3.5. Settlements	
3.6. Evaluation	



<b>IX. Concluding remarks and future investigations</b>	71
<b>X. Basic statistics</b>	73-77
1. Surface area	73
2. Classification of exploitation	73
3. The excavation	73
4. Excavated area	73-74
5. Individual mines	74
6. Increase in shaft depth and exploited area	74
7. Percentages	74
8. Average size of mines	74
9. Flint layer	74-75
10. Amount of flint	75
11. Flint knapping	75
12. Number of artefacts found	75
13. Picks, stone picks, and fragmentary picks	76
14. Average size of stone picks	76
15. Minimum and maximum size of stone picks	77
16. Hammerstones	77
17. Miscellaneous	77
18. Start and finish	77
<b>XI. Abstract - Zusammenfassung</b>	79-80
<b>XII. References</b>	81-86