istics, in terms of time depth and materials studied makes such involvement highly desirable. Archaeologists must continue to develor the self-criticism awareness greater of the discipline's wider responsibilities in recent years and recommend them to read Past Meets Present as part of this process.

G. DE G. SIEVEKING and M.H. NEWCOMER, The Human Uses of Flint and Chert. Cambridge University Press, Cambridge. 1987. 263pp. £60.00 (Hard). ISBN 0-521-26253-4.

Reviewed by Andy Brown

Let it first be said that I did not attend the fourth international flint symposium held at Brighton Polytechnic in April 1983, of which this volume, along with a companion The Scientific Study of Flint and Chert (Sieveking and Hart 1987) are the nublished proceedings. I cannot, therefore, compare the content of the actual proceedings those published, but in spite of of the fact that a number (it is not clear how many. papers nor which) were commissioned as review papers, the presented papers appear to have been skilfully tailored by the editors to retain a real 'conference atmosphere'. That this is achieved by rather short. staccato presentations, however, has its drawbacks: part of that atmosphere is the frustration of some papers never going quite far enough.

This volume presents 30 papers with specific archaeological relevance, falling into the sub-headings of a) flint mines and exploitation of sources of raw materials, b) spatial aspects of flint and chert,

from exchange studies to deposition patterns on individual sites, c) technological aspects of production, and d) microwear-related topics. The companion volume deals with the more strictly geological aspects of flint and chert.

At the extractive end of flint exploitation, the general chronology of flint mining is considered in two papers, although here use of radiocarbon dates is slack, and the exploitation of chocolate 'flint' in Poland and chalk Scania are given particular The former case attention. was a good example of that conference frustration which I mentioned above, for after four pages description of various stages activities and numerous figures of dubious relevance. Schild finally proposes alternative hypotheses to account for data, each apparently with profound social implications: one turns the page expectantly, excitedly even, to find what? The bibliography!

The other papers in the group are concerned with the ad extraction of flint nodules at Neolithic Hambledon, Dorset (R. Mercer) and the extraordinarily well-preserved multi-period mines of Old and Middle Kingdom Egypt (G. Weisgerber).

Robert Miller's model of the economic context of production circulation of flint tools in New Kingdom period around Thebes, as well as two other urban-related sites in the Middle East, provides both a stark contrast to the rather minimal view of extractive processes at the earlier sites described a link by Weisgerber as well as with the group of papers concerned with exchange systems. Miller's reconstruction reminds us that

alone. The nature of the demand, fact may convey its meaning is left as seen through the analysis of to the reader, and might have been contexts of deposition away from made more explicitly, but the paper the extractive sites, surely is certainly one of the more occupies a vital place in under- satisfying of the 30 presentations. standing the exploitation of a raw materials source.

context by acknowledging that sourcing papers is memorable. lithic materials probably played a part in social strategies of prehistoric groups. Indeed, both ing six in total, tackles various Robert Zeitlin's paper on changing technological aspects of stone tool distributions of obsidian and pot- production. Cahen answers his own tery (note the use of materials in question "Refitting stone arteaddition to lithics) in Pre- facts: why bother?" in general Columbian Mesoamerica, and John terms, and is supported by the Burton's useful contribution on the subsequent paper on the Mousterian/ socio-economic role of axes in New Upper Palaeolithic transition in Guinea, serve to illustrate further the Levant, although the latter that the exchange of lithic paper is marred by over-complicated materials may be very much part of diagrams and illustrations. Refitsocial and political strategies and ting and experimental approaches not simply redistributions of are combined in a contribution unevenly spread raw materials.

of study, Roy Larick's paper deals in support (Fig. 3.5) is this time with the circulation of a single well conceived and useful. Experiartefact type -- the Solutrean ment alone is emoloyed by the point -- within the Perigord in the remaining papers of the group, most Upper Palaeolithic. Larick is able notable of which is Harding's to suggest a distinct Solutrean report on a typically pragmatic Perigord within which area the ion of ground flint axes. criss-crossing of mobile social units led to the creation of deeply stratified and plentiful 'sites' concerned with aspects of microwear which were, in fact, regular analysis. Cook and Dumont provide temporary stop-over locations a brief overview of developments rather than base camos. Linking since 1964 and, although the paper the new interpretation with the under-represents the potential of

is futile to consider extraction social distance over which an arte-

This leads on to brief papers on k-means analysis and on flint and Andrew Sherratt concludes as chert sourcing, both of which are much, having traced three stages of used by Larick but which are exempexchange in lithic materials in and lified in themselves separately. around the Hungarian Plain. Set as The case study by Ammerman et al it is within a discussion of is particularly useful and would be changes in other contexts such as a good place to begin if one was settlement organisation, Sherratt's new to the subject of k-means paper puts exchange into a social analysis, but neither of the

A third group of papers, numberdescribing intentional breakage as technological strategy at Finally, at this regional scale Hengistbury Head, where the diagram "culture zone" in and around the research programme on the product-

The final group of papers is introductory comments regarding the low-power analysis, its discussion

of theoretical issues is a useful calibre to be long-lived and case studies, two of which stand bibliographies out. Firstly, taken in conjunction accurate treatment, the contribution by "nice book; shame about the title!" Rosemary Bradley and Chris Clayton which describes the effect of the References microstructure of flint on microwear trace formation, forms a Moss, E.H. 1987. A review of breakthrough in understanding the variability of such traces which has been the major problem in microwear interpretation. More controversially, the paper by Newcomer, M., Grace, R. and Unger-Newcomer et al. would have been a rather damning reflection on microwear inferences from polishes had it not been published in almost precisely the same form about a year ago (Newcomer et al. 1986) and Sieveking, G. de G. and Hart, M.B. had its findings not been brought into question by a scathing rejoinder by Moss (1987).

Whether or not the contributions reflect accurately the proceedings of the Brighton symposium, they J. STREET-JENSEN (ED.), Christian gress in, say, another five years, graphien: references. These latter reasons (Hard) ISBN 3-88467-014-X. will, no doubt, contribute to the aforementioned progress

Is the book good value? It nature of the work being presented, European prehistory.

introduction. There follow several repeatedly referred-to, and the are generally if not entirely with another paper on heat pre- consistent. My final comment is

'Investigating microwear polishes with blind tests'. Journal of Archaeological Science 14, 473-481.

Hamilton, R. 1986. Investigating microwear polishes with blind tests. Journal of Archaeological Science 13. 203-217.

1987. The Scientific Study of Flint and Chert. Cambridge, Cambridge University Press.

form an important collection of Jürgensen Thomsen und Ludwig papers -- important not only in Lindenschmidt, eine Gelehrtenthat they provide a baseline korrespondenz aus der Frühzeit der against which we can measure pro- Altertumskunde (1853-1864). (Mono-Römisch-Germanisches but also in that they make acces- Zentralmuseum, Forschungsinstitut sible a range of scientifically- fur Vor- und Frühgeschichte; Bd 6). allied methods and a range of Habelt, Bonn, 1985. 143 pp. £27.50

Reviewed by John Woss-Eccardt

The major part of this book certainly helps to think of the consists of letters exchanged papers as only costing £2 each, between C.J. Thomsen of 'Three since this makes some of the Age System' fame and Ludwig contributions excellent value. Lindenschmidt, Curator of the Mainz Perhaos too many of the papers are Zentralmuseum, who, in later years, oreliminary statements, but this was opposed to the overall simply reflects the 'frontier' application of that system to and also contributes to that this did not prevent a warm 'conference atmosphere' mentioned professional friendship developing earlier. Several papers are of the between the two men during the