

debatable whether there is enough in this book to warrant purchase other than by those with a very keen interest in research in bioceramics. Bearing in mind the readership of the *European Journal of Orthodontics*, it is worth mentioning that there is very little of interest to orthodontists in this compilation. There is only one paper concerned with the orthodontic application of ceramics, which describes a fibre-reinforced plastic with potential as an aesthetic transparent orthodontic wire, so no mention of ceramic brackets! The bulk of the papers are concerned with ceramics for implants, although there are also a few describing ceramics for dental restorative applications.

More than half of the contributed papers have their origins in Japan. No doubt this merely reflects the fact that the conference took place in Japan, but it does potentially give a skewed appearance as to research activity around the world. However, it should be said that the Japanese are currently prolific in this area, and in certain research fields, such as calcium phosphate cements, are perhaps more active than any other country. A wide diversity of materials and applications are covered, reflecting the increasing interest in ceramics for medical applications. This inevitably presents a problem to the editors in devising appropriate sections under which a cluster of papers can be considered, without creating too many sections or leaving a number of papers that cannot be placed. In this respect the editors have done a good job and the

'miscellaneous category' has been avoided, which is greatly to their credit. However, a considerable number of papers in the sections entitled 'Ceramic-Metal Composites' and 'Ceramic-Polymer Composites' could have been grouped under the heading of 'Ceramic Coatings', which in any case is a subject that is attracting considerable interest and worthy of a separate section. Nevertheless, the layout of the book is such that it is easy and quick to find the papers that are most likely going to be of interest to the reader.

The proceedings have been published remarkably quickly after the conference, which means the information is topical and therefore of interest to any biomaterials researcher. The book will also appeal to those who may be thinking of getting involved in bioceramics by providing a broad overview of what is happening in the field, enhanced by the eight invited papers from eminent researchers in the field. However, it is doubtful if this book would leave the shelf frequently if accessible by only one individual. With the understandable reluctance to loan out expensive texts this would be a shame as the book would undoubtedly be very useful to a larger readership and deserves to be widely read. Thus a library or departmental copy would seem to be the best option, especially where there is, a large enough group of biomaterials researchers who I suspect will find the book to be in constant circulation.

R. van Noort

## Jasper Jumper™ Color Atlas (1997)

Franz-Peter Schwindling

Publisher: Edition Schwindling, Merzig, Germany

Price: DM 228

ISBN: 3-931063-02-3

In recent years the Jasper Jumper has rightly gained much popularity in the correction of Class II malocclusion. This new book describes the Jasper Jumper and gives examples of its use. As the title states this is a colour atlas containing 259 illustrations in 120 pages.

The first chapter describes the appliance and lists the advantages of the flexible, intra-oral

force modules of the Jasper Jumper in comparison with removable and other fixed bimaxillary appliances. In this chapter the author also states his treatment objectives, which are strictly adhered to in the numerous descriptions of treated cases presented in the book. The second chapter describes the biomechanics of the Jasper Jumper system in the Class II correction in first-,

second- and third-order view. The chapter is thorough and contains many interesting aspects, described in an easily understandable way. Many of these aspects have hitherto been overlooked. The text is therefore very valuable for a proper understanding of the mode of action of the Jasper Jumper.

In the third chapter the preparation of the arches and the steps for insertion of the Jumper are clearly described and richly illustrated. This chapter contains much information of great practical value. In the following chapter the treatment of six cases with the Jasper Jumper is described, showing the possibilities for the use of the appliance. These cases illustrate the use of the Jumper as a means of anchorage reinforcement, for gaining space, as a functional appliance, as an alternative to orthognathic surgery and in the treatment of reciprocal clicking. The cases are well documented and illustrative.

A chapter entitled 'Variations' describes, among other things, the unilateral use of the Jumper, including a biomechanical analysis of this force system, its side effects and means to overcome the side effects. Again, many clinically useful applications are presented. The possibility of using the Jasper Jumper in a reverse way, i.e.

for the correction of Class III malocclusion is mentioned but not described.

In a short chapter the author describes the results and the prognosis for Class II treatment with the Jasper Jumper as revealed with profile cephalograms. The information in this chapter is not extensive and should be viewed as tentative at this time. The last chapter of the book deals with disadvantages of the Jasper Jumper, and failures and complications during its use, again with practical information in order to minimize the negative effects. The book also includes a list of materials mentioned in the text, a glossary and an index.

The book has an attractive layout and illustrations of good quality. Some of the views of the author, e.g. the mode of action of functional appliances, are controversial. A strength of the book is the adherence to the principles of the segmented arch treatment and the consistent use of these techniques in treatment. The Jasper Jumper has undoubtedly greatly enriched the orthodontic armamentarium and is a most valuable treatment modality that will stay. This book by Dr Schwindling can be recommended for those who wish to learn how to use the Jasper Jumper and understand its mode of action.

Bengt Ingervall