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Book Review

ADHESION 7, edited by K. W. Allen. Applied Science Publishers, London and New York, 1983, 271 pp. (\$32.00).

As in the previous members of this series, the 13 papers in this volume were presented at the annual Conference on Adhesion and Adhesives, City University, London. This conference, held in 1982, marked the 20th anniversary. The range of topics covered was, as usual, broad, from studies of basic theory to descriptions of practical applications and surveys of progress in the adhesives industry. It contrast with previous years, however, there seemed to be a stronger emphasis on the industrial side of the subject. Although the majority of the contributors were British, the conference was international in scope, with two papers by US authors, and one each from Australia, Poland, the USSR and Iraq.

The list of contents is as follows:

1. Development of a One-Part Electrically Conductive Adhesive System (38 pp.), Sharpe, Chandross and Hartless.
2. The Mechanics of Peel (20 pp.), Adams, Crocombe and Harris.
3. Butt Fusion Welding of High Density Polyethylene Pipe (28 pp.), Barton and Cherry.
4. Adhesion and Durability of Metal/Polymer Bonds (8 pp.), Venables.
5. Significance of Wetting for Adhesion Behavior of Alumina Ceramic (14 pp.), Allen, Greenwood and Wake.
6. Cyanoacrylate Adhesives of Potential Medical Use (26 pp.), Al-Khawam, Brewis and Glasse.
7. Development in Industrial Adhesives in Poland as a Reflection of the World's Trends (14 pp.), Kozakiewicz and Lenzion.
8. A Thermodynamic Approach to Processing New Adhesives (24 pp.), Lipatov.

9. Adhesive Joint Failure—a Fracture Mechanics Approach (24 pp.), Shaw.
10. Adhesives Based on Starch (24 pp.), Lazarus.
11. A Review of Adhesives for the Flexible Packaging Industry During the 1980s (32 pp.), Ashley.
12. Effect of Surface Preparation of Titanium on Cross-Linking of Epoxy Adhesives (6 pp.), Alsalim.
13. Adhesive Joints in a Rapid Cycling Bubble Chamber (12 pp.), Langridge.

In approaching a collection this diverse, the reader will be influenced by his or her personal bias. This reviewer found the papers by Barton and Cherry, Shaw and Lazarus to be of particular interest. It was to be regretted, however, that the latter did not place more emphasis on the possibility of future advances in starch and other polysaccharide adhesives.

There have been some visible changes in the production of this series with the current volume. There has been a drastic reduction in price, and the binding is now protected with a plastic coating which should enhance its durability. On the negative side, the text has been reproduced in an unnecessarily small type style, and a rather large number of typographical errors have escaped correction.

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