

Theoretical and experimental aspects of heterojunctions and semiconductor-metal Schottky barriers are reviewed in chapters by Townsend, by Loferski and by Bloss and Schock. All three chapters are comprehensive and they complement each other quite well. In particular, the consideration of solar energy conversion using tandem voltaic cells (by Loferski) makes very interesting reading. In the final chapter a theoretical treatment of recombination in solar cells is presented by Landsberg. Although well presented, it is difficult to follow.

Overall, the book is a very useful acquisition. It contains a wealth of information and reference data invaluable to research workers engaged in this field. Its real appeal is to specialist workers; it is not suitable for light reading, and as such its available market is rather limited.

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***Specialist Periodical Reports: Photochemistry, Vol. 11***

Senior Reporter, D. Bryce-Smith; published by the Royal Society of Chemistry, London, 1981; xxiv + 680 pp.; price, £70.00; ISBN 0-85186-095-8

***Specialist Periodical Reports: Photochemistry, Vol. 12***

Senior Reporter, D. Bryce-Smith; published by the Royal Society of Chemistry, London, 1982; xix + 587 pp.; price, £70.00; ISBN 0-85186-105-9

I have always been uneasy about the delay between the review period covered and the appearance of the *Specialist Periodical Reports: Photochemistry*. As a result, I had written in somewhat critical tones about the publication of Vol. 11, when Vol. 12 arrived on my desk. In the event, it seems fairer to review both volumes together. Volume 11, which was published in November 1981, covers the literature from July 1978 to June 1979, so that the material considered was from 28 to 40 months old. The following year's literature is reviewed in Vol. 12 (March 1982), so that we have moved 8 months nearer restoring "the original objective of publication within 1 year at the most following the end of the review period". Whatever the publication difficulties, the delays must give rise to some concern, since one of the more important functions of the Reports is to make readily accessible references to *recent* contributions in photochemical research. We are promised by the Senior Reporter that every effort will be made to publish Vol. 13 on time, which presumably means that we may expect to see it by the end of June 1982.

The format of the two volumes follows that of earlier Reports. The reader should not expect to find much in the way of descriptive or, more particularly, critical reviews. Rather, the Reports attempt to give a comprehensive survey of the published literature, with the citations being connected