The third paragraph on the back cover of this book should be replaced with the following description of the book’s contents:

*Volume 77* focuses on the biochemical basis of antibiotic resistance and its impact on modern medicine, introducing the first of several volumes that will address this critical phenomenon. In seven insightful and informative chapters, the authors describe a variety of efflux pumps and related topics along with their therapeutic applications, including:

- The structure and mechanism of the RND family of multidrug efflux pumps
- The nature and mechanism of the multi-level control of bacterial efflux pumps
- The structure of the tripartite RND transporters and its role in key human pathogens
- Strategies for the expression and purification of the MFS class of efflux pumps
- The role of various efflux pumps in quinolone resistance in important human pathogens
- The genomics of xenobiotic efflux pumps in both bacteria and fungi
- The mechanism of oxidative paracatalytic reactions induced by carbonion-generating enzymes