result is known for groups G containing a dense image of $\mathbf{R}$ (such groups are called *solenoidal*). The book gives corresponding results for $\mathbf{Z}_p$ and $\mathbf{Q}_p$. A related problem is the following: Given an LCA group H, for what groups G are the continuous images of H dense in G? Armacost investigates this question for various H. He also gives a brief discussion of the question of putting different topologies on a given Abelian group.

This book is one of the best organized that I have ever read. It begins with a careful selection of results assumed known to the reader (with references); the author refers to these results when needed, and he is unusually thorough in providing both these references and references to results previously proved. As a result, the book is a pleasure to read. There are only a few misprints and errors, and they should not cause any trouble; for instance in §4.27, p. 52, the reference should be to 4.25(a) rather than 4.26(a).

While the book does take up a great variety of topics, it can hardly be described as encyclopedic; after all, it is only 154 pages long. The author extends his coverage by concluding each chapter with a list of additional results, together with either a reference or a sketch of a proof. Still, many topics are slighted (as the author would no doubt admit); in particular, I wish that he had given more space to cohomological questions.

It would be unreasonable to expect mathematicians to buy this book in droves; the price is enough to inhibit most people. But many mathematicians may enjoy browsing through their library's copy of this pleasant and well-written book about an interesting and accessible subject.

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Between nilpotent and solvable, edited by Michael Weinstein, Polygonal Publishing House, Passaic, N.J., 1982, 240 pp., $22.00.

In this book we find, in one volume, descriptions of many classes of finite solvable groups which include the nilpotent groups; supersolvable groups, M-groups, CLT-groups and related classes, linear groups, seminilpotent and