Einführung in die Verbandstheorie. By H. Hermes. Die Grundlehren der mathematischen Wissenschaften in Einzeldarstellungen, Bd. 73. Zweite, erw. Auflage. Springer-Verlag, Berlin-Heidelberg-New York (1967). xii + 209 pp. DM 46.

Apart from minor changes in the original text some chapters have been added. Two of them give a treatment of pseudo-Boolean algebras and their connection with topological Boolean algebras. These results are used to give lattice-theoretical proofs of the completeness of classical and intuitionistic propositional calculus. Two additional chapters deal with decision procedures for equations in the classes of all lattices, the modular, distributive, pseudo-Boolean and Boolean lattices.

The book has retained its elementary character and has to be recommended as a clear and precise first introduction to lattice theory.

G. Bruns,
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Séminaire Bourbaki. Vol. 1966–67, Exposés 313–330. Benjamin, New York (1968). U.S. $16.

The exposés of this Seminar were held in November 1966 (Demazure, Hirzebruch, Kahane, Raynaud, Samuel, Serre), in February 1967 (Atiyah, Giraud, Godement, Gramain, Schiffmann, Zeller-Meier), and in June 1967 (Brumer, Demazure, Houzel, Lacombe, Malgrange, Serre). The reviewer may mention once more the general purpose of these seminars. Each author gives a (often new) coherent picture of recent developments in his field of interest. As a result, these seminars are of great interest and importance for those researchers who want to be introduced quickly and efficiently into a certain area of mathematics.

W. Kuyk,
  McGill University

Algebren. By M. Deuring. Ergebnisse der Mathematik und Ihrer Grenzgebiete, Band 41, Zweite korrigierte Auflage, Springer-Verlag, Berlin (1968). viii + 143 pp. U.S. $6. DM 24.

This is a new edition, improved at only minor points, of Deuring's book under the same title *Algebren* (Band 4 of the same series of the Ergebnisse, 1935). Though the general theory of algebras (over rings) has developed considerably since 1935,