

Remarks and Historical Notes

Chapter 1

Sections 1–6

This is all basic set theory. See the “Historical Notes” section of Jech (1978) for historical and bibliographical details.

Section 7

Theorems 7.1 and 7.2 are due (independently) to Mostowski and Shepherdson and appeared in Mostowski (1949).

Section 8

Theorems 8.1 and 8.2 are due to Montague and Lévy. See Montague (1961) and Lévy (1960). The Lévy Hierarchy was introduced in Lévy (1965). The concept of absoluteness is due to Gödel, who in principle proved 8.3.

Section 9

There are various (essentially equivalent) ways of defining a formal “language of set theory” within set theory. The precise definition chosen is our own, as is all of the development in this section. The Basic Set Theory (BS) has been formulated independently by various authors, among them Gandy, Jensen, and ourselves. The first published account of this seems to be in Gandy (1974).

Section 10

Again the material of this section is our own version of well-known, essentially “folklore” material.

Section 11

Admissible sets were first studied by S. Kripke and R. Platek. See Kripke (1964) and Platek (1966). Most of the results in this section now have the status of “folklore”. For further details on admissible sets consult Barwise (1975).