Preface to the Second Edition (1985)

What follows is a new edition of the second in a series of three books providing an account of the mathematical development of demography. The first, *Introduction to the Mathematics of Population* (Addison-Wesley, 1968), gave the mathematical background. The second, the original of the present volume, was concerned with demography itself. The third in the sequence, *Mathematics Through Problems* (with John Beekman; Springer-Verlag, 1982), supplemented the first two with an ordered sequence of problems and answers.

Readers interested in the mathematics may consult the earlier book, republished with revisions by Addison-Wesley in 1977 and still in print. There is no overlap in subject matter between *Applied Mathematical Demography* and the *Introduction to the Mathematics of Population*. Three new chapters have been added, dealing with matters that have come recently into the demographic limelight: multi-state calculations, family demography, and heterogeneity.

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