



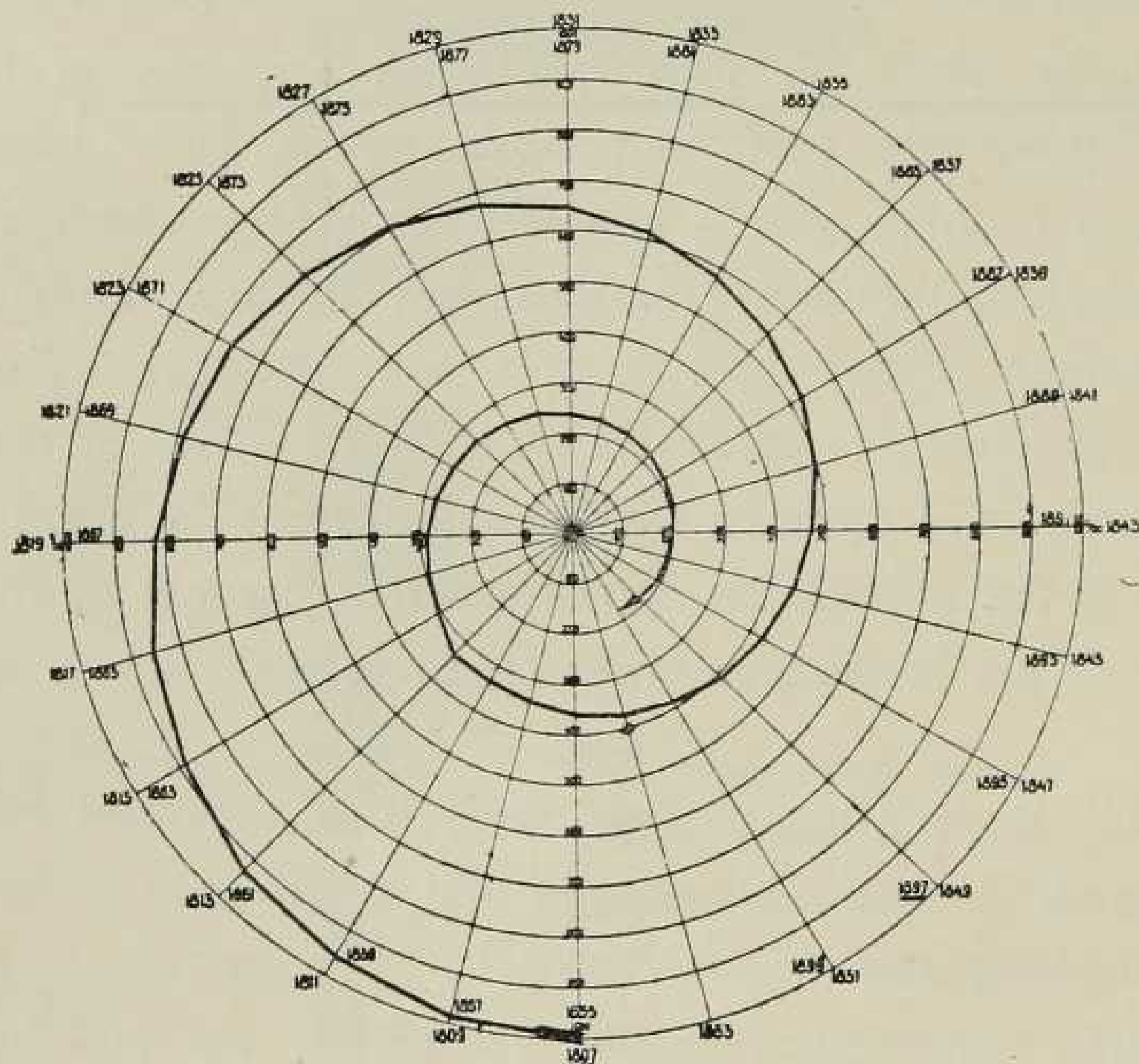
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C 37

Gradual extinction of the Mannheim families in the 19th Century. Only extinction by death in Mannheim and in the male line are taken into account. Families which have disappeared through emigration have been excluded. Branches of families which have become extinct at Mannheim may be flourishing elsewhere. Of 3,081 families, 2,538 have become extinct by death at Mannheim itself, 543 survive. The spiral curve shows the number of survivors in any year as so many per thousand of the original number.

OLD MANNHEIM FAMILIES.



Gradual extinction of Old Mannheim Families during the 19th century.

Figure C 37.

C 38

Average number of children in each generation; the families being grouped according to the number of generations they attained. The families of 1807 (original families) and their descendants were classed into five groups, according to the number of generations they attained in Mannheim. For each group is calculated the average number of children within one generation—for each separate family as well as for the entire family (*i.e.*, the total of all the separate families which have sprung from the same “original family”). For instance: “Original families” which have lasted into the third generation, 464; the separate families show in the first generation, 464 families, 2,377 children; in the second generation, 718 families, with 3,645 children; in the third generation, 754 families, with 2,454 children. Accordingly, the total families show average numbers 5.1, 7.9, 5.3; the separate families, 5.1, 5.1, 3.3. All these averages are minimum figures, because it was impossible to eliminate the moderate number of couples who emigrated before the number of their offspring was completed.