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by nonmetric multidimensional scaling**

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numerical taxonomy of staphylococci and
micrococci : ordination by nonmetric
multidimensional scaling

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SUMMARY .-

41 staphylococcal and micrococcal strains of the family Micrococcaceae were subjected to 52 physiological and biochemical tests. The results were coded for computation of the similarity coefficient between each pair of stains.

Ordination of the organisms was performed by nonmetric multidimensional scaling. The result was compared with the position of the strains in one of the two distinct ranges of guanin + cytosin content (GC%) of deoxyribonucleic acid (DNA) present in the Micrococcaceae. Optimality of the ordination was examined by calculation of Kruskal's stress coefficient.

The results are discussed and related to data on clustering by the single-link method based upon the same original similarity coefficients.