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**Fred S Roberts\*** ([froberts@dimacs.rutgers.edu](mailto:froberts@dimacs.rutgers.edu)). *Competition Graphs and Food Webs: Some of My Favorite Conjectures.*

Ecology is sometimes the source of interesting graph-theoretical problems. Starting from properties of ecosystems, in particular normal, healthy competition between species, Joel Cohen introduced the idea of a competition graph corresponding to a food web. There have been hundreds of papers on this topic since then, and applications ranging from coding to scheduling. Recently, one long-standing conjecture about competition graphs, the Opsut Conjecture, was settled. However, several other important conjectures remain and this talk will explore them. (Received September 07, 2013)