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Vaughan F.R. Jones* (vaughan.f.jones@vanderbilt.edu), Mathematics department,
Vanderbilt University, Nashville, TN 37240. *Do all subfactors come from conformal field theory?*

In the 1990's Haagerup discovered a new subfactor of finite index $\frac{5+\sqrt{13}}{2}$. Many other finite index, finite depth subfactors are now known and many of them can be obtained from algebras of local observables in conformal quantum field theory. Evans and Gannon suggest that this should also be the case for the Haagerup and we present a toy model which produces these subfactors from local algebras but falls short of the smoothness requirements of a quantum field theory. As a spinoff of the program we obtain families of unitary representations of Thompson's groups F and T and a new way to construct all knots and links from these groups. (Received August 17, 2015)