

Meeting: 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-40-662 **Thomas J Osler*** (osler@rowan.edu), Mathematic's Department, Rowan University, Glassboro, NJ 08028. *The general Vieta-Wallis product for pi.*

In my paper "The united Vieta's and Wallis's products for pi", American Mathematical Monthly, 106 (1999), pp. 774-776, I showed that the classical infinite product of Vieta using nested radicals for calculating pi, and the famous product of rational fractions given by Wallis, are both special cases of one general product. In this paper a further generalization of this product will be described. Several unusual Wallis-like products are obtained as special cases. Many of these may be new. (Received September 27, 2004)