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Mathematizing

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even the names of the most important mathematicians. Who but the mathematician has heard of Gauss, Galois, Cantor? They are thinkers of the first rank. But unlike their counterparts in every other discipline, their names are completely unfamiliar. Clearly, if the masses were aware of the humanness of the mathematics enterprise, natural human curiosity would demand that mathematicians be included in the class of thinkers worth knowing.

"Those who have never known a professional mathematician may be rather surprised on meeting some, for mathematicians as a class are probably less familiar to the general reader than any other group of brain workers. The mathematician is a much rarer character in fiction than his cousin the scientist." E. T. Bell [Be].

The human essence includes an amazingly robust sense of wonder. If students realize that they have been banned access to a tremendously rich body of knowledge (mathematics), this natural wonder, if properly cultivated, will transform the "banned" into the "tempting." And students will demand to know of it. Bertrand Russell perfectly captured this refined sense of wonder in his autobiography. It is a fitting epigram for this paper.

"There was a footpath leading across fields to New Southgate, and I used to go there alone to watch the sunset and contemplate suicide. I did not, however, commit suicide, because I wished to know more of mathematics." Bertrand Russell [Ru].

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Mathematics begins
 Upon a denominative
 Foundation,
 Where the antecedent nonverbal
 Is in place,
 And when a verbal undifferencing
 Is eliminative,
 Then the symbolic shift
 Does take.