1047-30-326 **David Drasin*** (drasin@math.purdue.edu), Dept. of Mathematics, 150 N. University Street, West Lafayette, IN 47907-2067. *Entire functions of the class $\mathcal{S}$ of irregular growth.*

An entire or meromorphic function $w = f(z)$ of the class $\mathcal{S}$ is one whose points of ramification lie over at most finitely many points $\{a_1, \ldots, a_q\}$ of the Riemann sphere. This class occupies an intermediate status between rational functions and general meromorphic functions; for example Sullivan's theorem on no wandering domains applies to (iterates of) entire function of $\mathcal{S}$.

Displaying pathology for entire functions in this class seems far more difficult than with the analogous class of meromorphic functions. S. Merenkov has produced entire function in $\mathcal{S}$ of arbitrarily rapid growth, and here we find an entire function $f \in \mathcal{S}$ of preassigned order $\rho \leq \infty$ and lower order $\mu \geq 1/2$. Open problems will be raised. (Received February 01, 2009)