962-30-434   **Richard Fournier*** (`fournier@dms.umontreal.ca`), Richard Fournier, Centre de Recherches Mathematiques, Universite de Montreal, Montreal, Quebec H3T1J8, Canada, and **Stephan Ruscheweyh**, St. Ruscheweyh, Mathematisches Institut, Universitaet Wuerzburg, D-97074 Wuerzburg, Germany. *Boundary value problems for functions analytic in the closed unit disc.*

Let f be analytic in a neighbourhood of the closure of the unit disc D in the complex plane. We shall discuss existence and unicity of functions w analytic in D and such that $|w'(z)| = f(|w(z)|)$, $|z|=1$. Our result leads to a "hyperbolic" extension of the Schwarz- Caratheodory reflection principle. (Received September 14, 2000)