962-47-1077 **Gabriel T Prajitura*** (`gprajitu@bucknell.edu`), Department of Mathematics, Bucknell University, Lewisburg, PA 17837. *Inverses in single generated algebras.* Preliminary report.

For a set A of complex numbers we analyze the class of all operators T on a Hilbert space with the property that $(z-T)^{-1}$ exists and is a limit of polynomials in T for all $z \in A$. The closure and the interior of this class (in the norm topology) will be characterized in spectral terms. (Received October 02, 2000)