A Q-normed unital algebra is a normed unital algebra suchb that the set $G(A)$ of all invertible elementes is open. These algebras have the most properties of the Banach algebras. Here we study the Q-locally convex algebras and we describe its main properties, we will speak about the spectral properties of the class of the *advertibly complete locally convex algebras* following the ideas of G.R. Allan.

prove that the extended spectrum $\Sigma(x)$, defined by W. Zelazko, of an element x of a pseudo-complete locally convex algebra A is a subset of the spectrum $\sigma_A(x)$, defined by G. R. Allan, of x. Furthermore, we prove that they coincide if $\Sigma(x)$ is closed. We also stablish some relations between several spectral radii of x, which include the *topological extended spectral radius* $R_t(x)$ and the *topological radius of boundedness* $\beta_t(x)$