A characterization of $C_p(X)$, the family of subcontinua of $X$ containing a fixed point of $X$, when $X$ is an atriodic continuum is given as follows. Assume $Z$ is a continuum and consider the following three conditions: (1) $Z$ is a planar AR; (2) cut points of $Z$ have component number two; (3) any true cyclic element of $Z$ contains at most two cut points of $Z$. If $X$ is an atriodic continuum and $p \in X$, then $C_p(X)$ satisfies (1)-(3) and conversely, if $Z$ satisfies (1)-(3), then there exist an arc-like continuum (hence, atriodic) $X$ and $p \in X$ such that $C_p(X)$ is homeomorphic to $Z$. (Received March 01, 2004)