## 1069-13-100 **David E. Dobbs**, **Ronald Levy** and **Jay Shapiro**\*, jshapiro@gmu.edu. A universal survival ring of continuous functions which is not a universal lying-over ring.

Part II is devoted to constructing an infinite-dimensional US-ring R which is not a ULO-ring. In fact, R can be taken to be the ring of continuous real-valued functions on the one-point compactification of the discrete space of cardinality  $\aleph_1$ . This ring R is also shown to have the following properties. Not only is R infinite-dimensional, but there exist chains of cardinality  $\mathfrak{c}$  that consist of prime ideals of R. Moreover, R/P is a divided domain for each  $P \in \text{Spec}(R)$ . If the Continuum Hypothesis holds, then there exists a minimal prime ideal P of R such that R/P is an infinite-dimensional valuation domain; however, it is consistent with ZFC that no such minimal primes exist. (Received January 17, 2011)