1126-13-223 Ela Celikbas and Christina Eubanks-Turner (swiegand@math.unl.edu), Lincoln, NE 68502, and Sylvia M Wiegand* (swiegand1@unl.edu), Department of Mathematics, 203 Avery Hall, University of Nebraska Lincoln, Lincoln, NE 68588-0139. Prime ideals in mixed polynomial-power series rings. Preliminary report.

We give a general description of the partially ordered sets that occur as Spec *B*, for some homomorphic image *B* of a three-dimensional mixed polynomial-power series ring over a field or over a one-dimensional Noetherian integral domain. More precisely, B = R[y][x]/Q, R[x][y]/Q or k[x][z,y]/Q, where *R* is a one-dimensional Noetherian integral domain, *k* is a field, *x*, *y* and *z* are indeterminates, and *Q* is a height-one prime ideal of the appropriate ring such that $x \notin Q$. We describe the partially ordered set U := Spec B. If the field *k*, respectively the ring *R*, is countable, then Spec(k[x][z,y]/Q), respectively Spec(R[y][x]/Q), are characterized. (Received January 15, 2017)