It is well known that the $\Pi^0_1$ class $\mathcal{C}_{PA} \subseteq 2^\omega$ of completions of Peano arithmetic is universal among nonempty $\Pi^0_1$ subsets of Cantor space. When we consider $\Pi^0_1$ subsets of Baire space, however, there is no such universal example. In this talk, we consider a $\Pi^0_1$ class $\mathcal{C}_{KP} \subseteq \omega^\omega$ whose elements compute the complete diagrams of countable $\omega$-models of Kripke-Platek set theory (KP). We develop an analogy between how elements of $\mathcal{C}_{PA}$ and $\mathcal{C}_{KP}$ try to compute members of nonempty $\Pi^0_1$ subsets of Cantor space and Baire space, respectively, and we examine how this analogy breaks down. This is joint work with Julia Knight and Dan Turetsky. (Received September 23, 2018)