

1046-16-1021 **Edward S Letzter*** (letzter@temple.edu), Department of Mathematics, Temple University,
Philadelphia, PA 19122. *On Noetherian Skew Power Series Rings*. Preliminary report.

This talk is on skew power series rings $T := R[[y; \tau, \delta]]$, for suitably conditioned right noetherian complete semilocal rings R , automorphisms τ of R , and τ -derivations δ of R . These rings were introduced by Venjakob, motivated by issues in noncommutative Iwasawa theory. We focus on questions concerning the extension and contraction of ideals between R and T , discussing both recent results and open problems. (Received September 13, 2008)