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**Tom Wright\*** (tjw980@yahoo.com), 429 N. Church St., Spartanburg, SC 29302. *Variants of Carmichael numbers.*

Korselt's Criterion, a necessary and sufficient condition for Carmichael numbers, states that a number  $n$  is Carmichael if and only if  $n$  is square-free and for each prime  $p$  that divides  $n$ ,  $p-1|n-1$ . In this talk, we show that under the assumption of a conjecture about the least prime in an arithmetic progression, one can prove that for any  $a \in \mathbb{Z}$ , there are infinitely  $n$  for which  $p|n$  implies  $p-a|n-a$ . This is an improvement of a result of Ekstrom, Pomerance, and Thakur. (Received February 03, 2015)