1086-26-1344 **J. Marshall Ash*** (mash@depaul.edu), Mathematics Department, DePaul University, Chicago, IL 60614. *Large convergent series and small divergent series.*

Say that the series $\sum a_n$ is *termwise much smaller* than $\sum b_n$ if $\lim_{n\to\infty} \frac{a_n}{b_n} = 0$, and $\sum a_n$ is *termwise much bigger* than $\sum b_n$ if $\lim_{n\to\infty} \frac{b_n}{a_n} = 0$. Given any series with terms tending to zero, there is a termwise much bigger convergent series. Given any conditionally convergent series, there is a termwise much smaller divergent series. (Received September 21, 2012)