Evolution of the Central Appalachian Basin
Geology 230 - Evolution of the Earth
Sheet One

Correlation Instructions
First - Chronostratigraphic Correlation (with red lines). That is, correlate systems
(Ordovician, Silurian Devonian), series (e.g.
Cincinnatian, Alban, etc.), Stages (e.g.
Blackriverian, Trentonian, Edenian, etc.).
Second - correlate by formation names found
in most or all sections. If a formation is
present in one local section but not another
do not correlate it yet.
Third - correlate the formations that are
restricted to only one or a few sections
(these are likely to be pinchofs.)
Fourth - correlate facies (depositional
environments). Try this first by looking for
facies changes within formations, then go to
all other facies changes. There will be a lot of
these.

LOCAL SECTION # 1

Formation Name
Lower Keyser
Tonoloway
Wills Creek
McKenzie
Rose Hill
Tuscarora

LOCAL SECTION # 2

Formation Names
Upper Keyser N
Bass Island O
Salina P
Wills Creek M
Lockport M+K
Keffer M
Rose Hill O
Tuscarora F
Juniata W
Reedsville V
Trenton U

Note: The figures illustrate the correlation of formations and facies within the Central Appalachian Basin. The diagram shows the geological layers and their correlation across different sections, with specific mention of formation names and their stratigraphic positions.