

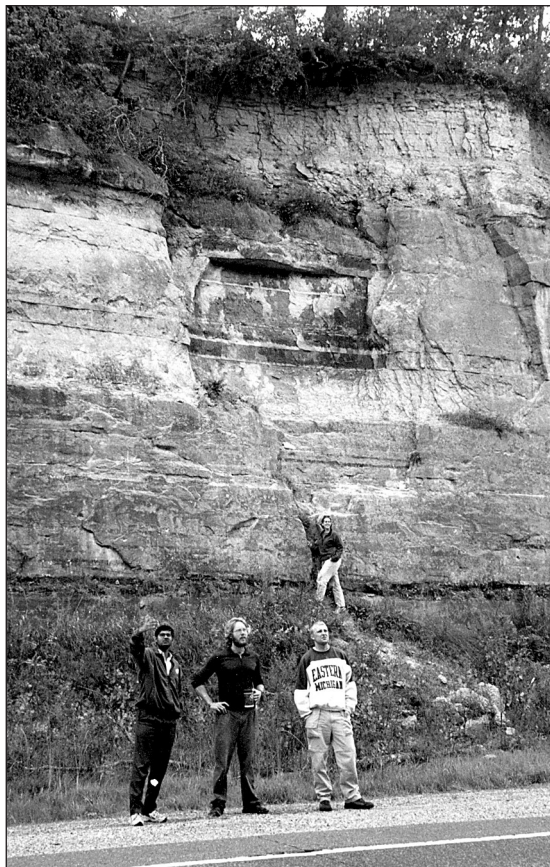
early geologic guide, Professor Irving, that he was more correct as to the structure of the Lake Superior region than he ought to have been. But I say that every man is just as correct as to deduction beyond his observed facts as he should be. Men with defective basic training and poor intellectual power will always fail when they try to put together facts under principles, and especially when they attempt to project by deduction beyond observed facts. But men who have a firm grasp of the principles of the sciences basal to geology, the capacity to correlate these principles, and apply them to the facts of geology, will go beyond their observations and by deduction will reach conclusions with perfect confidence that are in advance of observation. Indeed, in this way, only can the best geologic work be done. After one has projected his deductions in advance of observation,

he returns to the field with these new ideas, and then carries his observations further than he was able to do before. The geologist whose ideas are not continually outrunning his observations will never go far in the science. He whose mind is behind his observations instead of in advance of them, will be ever mediocre. The minds of the leaders of geology are on the mountain heights before their feet have more than touched the foothills.

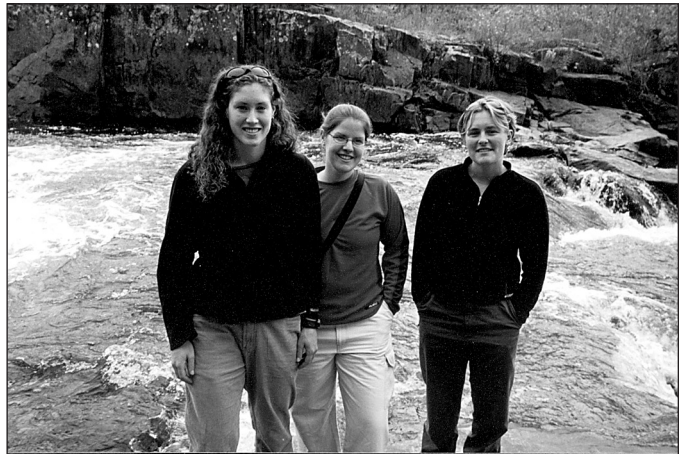
The conclusions deduced by a scientific genius may go so far in advance of observations that he who announces the conclusions may not be able to make observations which confirm the theories during his lifetime.... The scientific seers will ever go far in advance and guide others, even as did the spiritual seers of old.”
C. R. Van Hise, 1902.

Geoclub Fall Field Trip to Eau Claire and Chippewa Counties—

photos by Jessica Darter and Liz Leslie



Cliffside Geology, left to right: Joyashish Thakurta, Anders Carlson, Jeff Wilcox and Steph Maes.



Enjoying the scenery: Abby McDermott, Jessica Darter and Lindsay Anderson.



Anders Carlson, far right, gives a short lecture about the surroundings during a lunch break at Big Falls County Park. Left to right are Danny Douglass (back to camera), John Marma, Brian Jicha, Seph Maes, Katya Delak, Rebecca Tedford, Brooke Swanson, Ann Marma (seated), and Liz Leslie.