Competition, Education, and the Scientific Method

Geoscience Education was a great thrill, as was only a handful of faculty positions in each discussions and decisions that occurred during that weekend are lost to my memory, there is one event that has continued to stand out for worthy projects that are proposed. me throughout the ensuing years. One of the grant applications considered by the panel projects remediation designed by instructor. Team proposals were assessed based upon the quality of the science as well as human understanding of our universe at an the quality of the presentation with the best astonishing rate. How then does the educator the quality of the presentation with the best proposal "winning" the contract.

During the panel discussion of the grant application I noted to the group that some of I believe, as educators, we are obligated to best learning experiences as undergraduate occurred when there was an element of competition to the exercise. I was learning, especially as it relates to differences in all the ways in which males and females learn. I conversation as I have considered how to maximize student learning.

Without question competition is a major component of the academic world. Faculty positions are filled on a competitive basis, journals, and of course funding agencies run

Many years ago, I was invited by Bob Ridkey to competitions for the distribution of support, travel to Washington to sit on a National such as the NSF panel I described above. In all Science Foundation CCLI panel. The chance to of these examples the underlying cause of meet such a well respected advocate of competition is scarcity in resources. There are the chance to interact with other faculty from discipline available each year; there are cost across the country. While many aspects of the and quality concerns that limit the number of pages a Journal can publish; funding agencies have limited budgets to support the many

Scarcity, however, does not exist in knowledge. described an upper division environmental There are no external limits to what an geology course that simulated the business individual can learn. Rather, we are bound only world by pitting teams of students against each by our innate ability and effort. Additionally, other in the development of proposals for the spirit of the scientific method is one of the the free sharing of new knowledge. Scientists working collaboratively have advanced the best reconcile these conflicting aspects of the academic enterprise?

expose our students to the collaborative and competitive aspects of both the academic and "real" business world. Teambuilding and immediately taken to task by another panel collaborative learning strategies have proven to member concerning the value of competition in be highly successful pedagogical techniques at levels of instruction. Competition, conversely, is perhaps best employed only in have often reflected on that rather heated advanced courses where students have achieved a level of personal and professional maturity. I encourage educators to present of their efforts results to incorporate competition into their classrooms. How were competitive exercises developed, how was student learning assessed, how did students manuscripts compete for space in academic with "non-competitive" natures respond to the exercise? When and where is competition good in education?

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