

1014-97-907 **Harriet Pollatsek*** (hpollats@mtholyoke.edu), Department of Mathematics and Statistics, Mount Holyoke College, So. Hadley, MA 01075. *Attracting More Students to the Mathematical Sciences: strategies from the CUPM Illustrative Resources for changing department culture and curricula.*

The department culture, with its expectations and rewards, affects the allocation of faculty resources to the strengthening of three of the areas the CUPM Guide 2004 identifies as critical to the recruitment of more students: teaching in the courses that are gateways to further study, advising of students, and consultation with colleagues in partner disciplines. Curricular choices are also critical: attention to prerequisites, breadth of offerings, opportunities for connections to other fields. The talk will offer examples from the Illustrative Resources and from personal experience of strategies that can produce positive change. (Received September 26, 2005)