

The Olympiad: How It Has Continued and What It Has Become

The Colorado Mathematical Olympiad has survived another decade (actually by now it has survived for over a quarter a century). Looking back, I can attest that it has become more sophisticated, more closely linked to research mathematics. At the request of the Executive Director of mathematics at Springer, Ann Kostant, I am adding the second decade of the Olympiad's history and problems in this new Springer edition. However, I cannot just add the Olympiad material without adding its links to and shared essence with "real" mathematics. I therefore am adding 10 new *Further Explorations* to emphasize – and celebrate – the togetherness of the Olympiads and Mathematics. These, now 20, Explorations are the bridges from the Olympiads to mathematical research. Walk across them – and you find yourself in the magical world of mathematics!