



On June 29, 2015, the quasicrystal community lost one of its pioneering members. Chris Henley passed away quietly as a result of cancer, in Ithaca.

Chris studied physics at Caltech and Harvard, receiving his Ph.D. in 1983. He was a postdoc at Bell Labs when quasicrystals were announced, in 1984. Chris immediately recognized the significance of the discovery and completely immersed himself in their study. This involved combing through countless structure reports of inter-metallic, large-unit-cell crystals in pursuit of clues to the structural principles of quasicrystals. The highly technical formalism for describing the new kind of long-ranged order, that had to be developed from scratch, presented no challenge whatsoever to his prodigious mathematical talents.

Chris' contributions to the science of quasicrystals were broad in scope, ranging from crystalline approximants, to phason elasticity studies of random tiling ensembles, to efficient representations of structure down to the atomic scale. In addition to his many research results, his scientific legacy will also be measured by his exceptionally clear and articulate style of communicating science.

Chris was a valued collaborator, a devoted mentor, and a great friend. He will be missed.

Veit Elser
July 1, 2015