1139-57-99 **Kenneth C Millett***, Department of Mathematics, UCSB, Santa Barbara, CA 93106. *Knots and Links in Proteins.*

Some proteins contain important topological structures: knots and slipknots as well as links if one includes cysteine bonds. As a consequence, the geometrical and topological character of these spatial structures is of interest to mathematicians as well as molecular biologists, biochemists and biophysicists. We will describe characterizations of knotting and slip knotting as well as linking within proteins. (Received February 03, 2018)