1011-20-332 Andrew Gainer* (gainer.andrew@gmail.com), Lisa Lackney and Katelyn Parker. Virtually cyclic subgroups of three-dimensional crystallographic groups.

An explanation of the geometric, linear-algebraic and group-theoretical foundations of crystallographic group theory is given, leading to a complete enumeration of the virtually cyclic subgroups of the three-dimensional crystallographic groups. (This research was supported by the REU at Valparaiso University.) (Received August 30, 2005)