1092-06-267   **Dwight Duffus*** (`dwight@mathcs.emory.edu`), Mathematics and Computer Science Department, Emory University, Atlanta, GA 30322, and **Kyle Thayer** (`kyle.thayer@gmail.com`), Boulder, CO. *Subgroups G of S_n such that quotients B_n/G are symmetric chain orders.*

We are interested in the following problem posed several years ago by R. Canfield and S. Mason: determine conditions on subgroups G of the symmetric group S_n under which the quotient B_n/G of the Boolean lattice B_n of all subsets of an n-element set, ordered by containment, is a symmetric chain order. This has its roots in a general problem of R. Stanley, a special case of which is to show that the initial segments of a product of two chains, ordered by containment, is an SCO. We present some results extending the families of subgroups G of S_n for which B_n/G is an SCO. This is related to work of the authors, K. K. Jordan, V. Dhand, and P. Hersh and A. Schilling. (Received August 12, 2013)