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**Department of Mathematics and Statistics**

**COLLOQUIUM**

**Tuesday, February 17th, 2015**

4:00 – 5:00 pm, Adel Mathematics Bldg., Room 164

(refreshments at 3:45)

Dr. Bret Benesh

College of Saint Benedict & Saint John's University

When is maximal in ?

Abstract: It is easy to see that every symmetric group has maximal subgroups isomorphic to for Could have a maximal subgroup that is isomorphic to a symmetric group if is not ? This is the question posed by V. I. Suschanskiĭ in Problem 12.82 of the Kourovka Notebook. A partial answer was given by Kalužnin and Klin and Halberstadt in the 1970s. We will provide a complete answer in this talk.

Algebra Combinatorics Geometry and Topology (ACGT) Seminar meets Tuesdays, 12:45 – 1:45 pm, AMB 164.

Applied Math Seminar (AMS) meets Thursdays, 12:45 – 1:45 pm, AMB 164.

Friday Afternoon Undergraduate Mathematics Seminar (FAMUS) meets Fridays, 3pm.