STUDENT TALKS

2012 Allegheny Mountain Section Meeting at West Virginia University

	Armstrong Hall 119	Armstrong Hall 206	Armstrong Hall 303	Armstrong Hall 306	Armstrong Hall 315
7:35-7:50	**Matthew Stoffregen** Generalizations of Covering Systems	**Carl Parkin & Hoyt Mihalak** Expanding Yahtzee: Applicable Changes With Abnormal Die	**Karissa Vasconi** New Results on an Anti-Waring Problem	**Elliot Blackstone** Generating Functions for the Charlier Orthogonal Polynomial Sequence	**Mark Beckwith & Brad Spangler** A Knot or Not a Knot?
7:55-8:10	**Tori Merten & Ben Cecchini** Generating Functions: A Closer Look At The Fibonacci Numbers	**Joey Cortez & Zack Servetnick** The Alexander Polynomial Using Group Theory	**Andre Schrock** The $3n + 1$ Problem	**Andrew Brown & Amanda Goodrick** All Tangled Up? Unknot Me, Conway!	**Greg Clark** Famous Sequences and Euclidean Algorithm Step Sizes
8:15-8:30	**Rex W. Edmonds** What is so Magical About Polygons?	**Maxwell Nurnberger** Synchronization with Flexible Frequencies	**Janessa Allshouse & Kaila Kramer** The Tricolorability of Composite Knots	**Sarah Algee** Visual Representations of the Intersections of Sets	**Tanya Riston** Finite Distributive Lattices
8:35-8:50	**Meaghan Volek** Mathematical March Madness	**Kevin Meigh** Power Plant Problem: Fermat Point	**Richard Ligo** Diagonal Diagrams: An Interesting Representation for a Specific Class of Links	**Zane Bowser & Katie Sopczynski** Dowker Notations of Knots	**Oyinda Owoeye** Temporal Coding and Inhibition
8:55-9:10	**Steven Reich** The Impact of Short-term Synaptic Depression on Neural Variability	**Jennifer Murphy** 1 2 3 + A B C; Writing in the Mathematics Classroom	**Gabe Kramer** Vertex Replacement Rules	**Adam Baumgardner & Tom Kryzwick** Dowker Notation of Star Knots	**Ryan Slean & Steve Ways** To p-Colorability and Beyond
9:15-9:30	**Sam Taylor** Continued Fractions and Their Applications	**Brett Brown, Jimmy Valentino, & Brad Windhorst** Matrix Unknotted: p-coloring	**Jackie Mitchell** The Basel Problem	**Paul Millington** Synchronization of Gamma Oscillations with Mixture of Slow and Fast Excitatory Synapses	