STUDENT TALKS

2015 Allegheny Mountain Section Meeting at Washington and Jefferson College

	Burnett 015	Burnett 016	Burnett 103	Burnett 109	Burnett 203	Burnett 209
7:55 – 8:10	**Amy Ankney** *Juniata College* Do pre-health students stay pre-health? Predicting the Spring semester percentages	**Scott Conrad** *Gannon University* Cryptography, Digital Cash, and the Future of the World Economy	**Jessica Kidwell** *Washington & Jefferson College* Dividing the Plane by n Lines and by n Parabolas	**Grant Metts** *Penn State Behrend* Polynomial Sets of Special Differential Equations	**Brady Sheehan** *Duquesne Univ.* Multiscale Image Analysis and Applications	**Tom Tuberson** *Penn State Behrend* Vertex Replacement Rules Generate Self Similar Sets. What About Generating Post Critically Finite Sets?
8:15 – 8:30	**Larissa Batche** *Gannon University* Is There an I in Team?: A Statistical Study of NFL QB Performance	**Kelli Ferko** *Gannon University* The Effectiveness of Gannon's Math Center for Calculus 1 Students	**Paul LeVan** *Gannon University* Supplemental Instruction and the Bottleneck Problem	**Michael Monaco** *Mercyhurst Univ.* Geometry and the Erlangen program	**Julie Smicinski** *Mercyhurst Univ.* DC Disaster: Projections of a Bioterrorism Attack Against Washington, DC	**Stanley Tuznik** *Penn State Behrend* The Neurodynamics of Bursting Oscillations in the Hindmarsh-Rose Model
8:35 – 8:50	**Michael Bellissimo & Megan Trinh** *Edinboro Univ. of Pennsylvania* Zbikowski's Divisibility Criterion and The Trinh-Bellissimo Theorem	**Juan Gil** *Penn State Altoona* On the linear recurrence relation satisfied by the Catalan numbers	**Kate Lorenzen** *Juniata College* Counting Cayley-Sudoku Tables	**Jenna Nguyen & Jerald Hertzog** *Washington & Jefferson College* One-Step Apart Integers	**Johanna Suffern** *Grove City College* Cyclic Groups and Sylow Theory	**Ian Vescovi** *Univ. of Pittsburgh at Johnstown* The Relationship Between Individual Players Collegiate or International Statistics and NBA Production
8:55 – 9:10	**Jackson Brumbaugh** *Penn State Altoona* On the solvability of a Lights Out puzzle	**Kinardi Isnata** *Duquesne Univ.* A Variational Approach for Image Fusion	**James Matuk** *Duquesne Univ.* A Non-local Approach for Denoising Image Curvature Data	**Esmeralda Patricio** *Washington & Jefferson College* Representation of Integers by Sum of Distinct Cubes	**Angela Toth** *Edinboro Univ. of Pennsylvania* An Un-tetrahedralizable Polyhedron	**Brad Wolfe** *Edinboro Univ. of Pennsylvania* An Introduction to Projective Geometry