

Saturday, May 29th, 2004

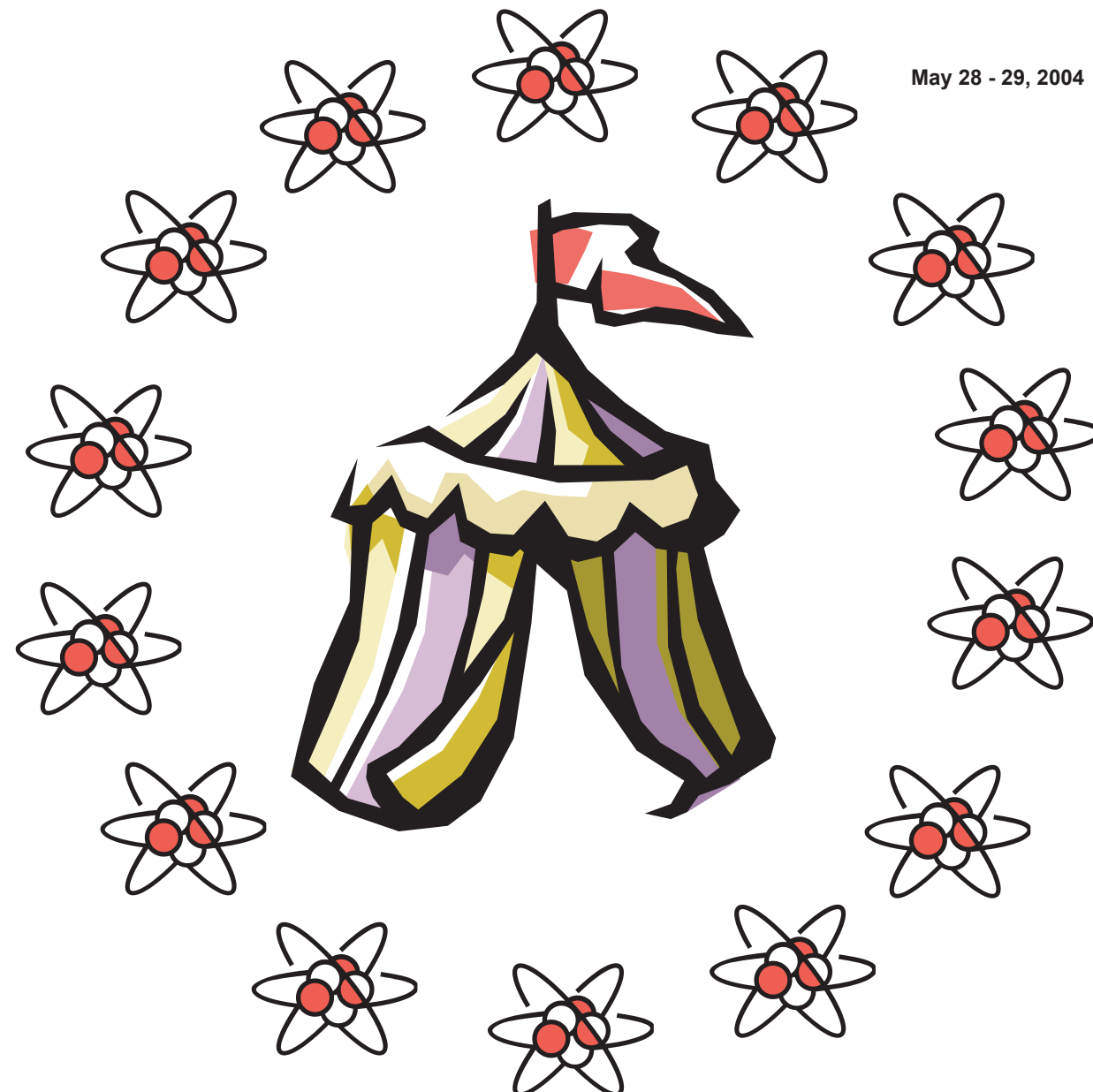
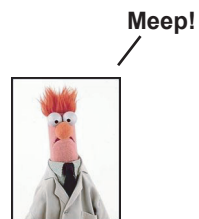
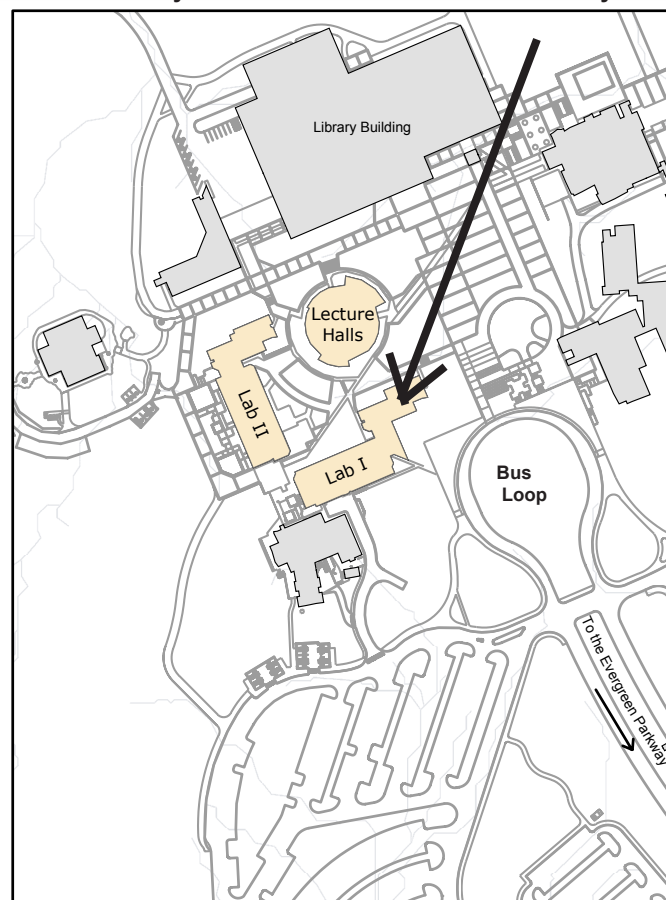
Time	Title	Location
2:00-3:00	Kids and Chemistry <i>Katie Shultz, Katrine Gorham, K.C. Nattinger</i>	Lab I, 1047
2:30-3:00	Skateboard Dynamics <i>James Vega</i>	Lab I, 1040
2:30-3:00	Fire and Ice: Exothermic and Endothermic Reactions <i>Paul Manzanares, Travis Gross</i>	Lab II, 1234
2:30-3:00	Gas Laws: Expansive Explosions! <i>Joy Tubbs, Michael Phillips, Therosa Witkowski</i>	Lab II, 1241
2:30-3:00	(1) Graphics for Computer Games; (2) Internet Portal for Forest Canopy Research <i>(1) Kyle Swaim, Peter Keeler; (2) Anne Fiala</i>	CAL West (Lab II, 1223)

The 1st Annual

Science Carnival

May 28 - 29, 2004

Come by the information booth in Lab I Lobby!



 For updates, visit <http://scicomp.evergreen.edu/labstores/carnival/> or contact Peter Robinson (robinson@evergreen.edu).

*Made possible by many hard working science students and generous support from the S&A Board.

TESC Science Carnival Presentation Schedule, May 2004

Friday, May 28th, 2004

Time	Title	Location
10:00-10:30	Why We Don't Fall Down: Bicycle Wheels and Conservation of Momentum <i>Jennifer Kratzer, Bryce Sundahl</i>	Lab I, 1040
10:00-10:30	Amazing Stinky Sludge at the Bottom of Soap Lake <i>Brian Pointer, Katie Shultz</i>	Lab II, 1234
10:00-10:30	Deflection of Beta Rays <i>Stephen Gussin, Dillan Kloster</i>	Lab II, 1241
10:00-10:30	The Physics of Guitar Strings <i>Jenny Murphy, Harlan Heise</i>	Lab II, 2211
10:00-10:30	Magnetic Waves in the Solar Atmosphere <i>Chris Dove</i>	CAL West (Lab II, 1223)
10:00-10:30	CO2: From Sublimation to Explosion <i>Josie Brown, Samantha Fleischner, Ally Young</i>	Lab Buildings Courtyard
10:00-11:00	Hands-on: Scanning Electron Microscopy <i>Donna LaGarde</i>	Lab I, 067
10:30-11:00	Biomechanical Integrity of Knees: Elasticity of Tendons <i>Chris Vriesema</i>	Lab I, 1040
10:30-11:00	Radical Revealed: Infrared Spectroscopy of a Free Radical <i>Roberto Saenz</i>	Lab I, 2045
10:30-11:00	Here We Go Again: Vibrational Modes of Molecules <i>Jason McIntosh, Elizabeth Kriesten</i>	Lab II, 1234
10:30-11:00	Aluminum Recycling Step-by-Step <i>Micah Cote, Angela Kelley, Wyatt Sauvage</i>	Lab II, 1241
10:30-11:00	Telescopes from Past to Present <i>Nick Rosenblatt</i>	Lab II, 2211
10:30-11:00	Quantum Cosmology <i>Brian Orr</i>	CAL West (Lab II, 1223)
10:30-11:00	CO2: From Sublimation to Explosion <i>Josie Brown, Samantha Fleischner, Ally Young</i>	Lab Buildings Courtyard
11:00-11:30	Inventing Ceramics <i>Jon Clemens, Dan Wolff</i>	Lab I, 1040
11:00-11:30	Hand's On: Our Nearest Star: Observing Sunspots and Solar flares <i>J. German, J. Samson, J. Sarrantonio</i>	Lab I Roof
11:00-11:30	Electric and Magnetic Fields <i>Ty Taylor</i>	Lab II, 1234
11:00-11:30	The Physics of Guitar Strings <i>Jenny Murphy, Harlan Heise</i>	Lab II, 2211
11:00-11:30	Jupiter's Decametric Radiation <i>P. Artz, B. Fordney, K. Heck, C Seel</i>	CAL West (Lab II, 1223)



Saturday, May 29th, 2004

Time	Title	Location
12:30-1:00	Surface Ozone <i>Chris Blanton</i>	Lab I, 1040
12:30-1:00	Visualizing the World: The Power of Geographical Information Systems (GIS) <i>Sara Wallman</i>	CAL West (Lab II, 1223)
12:30-1:00	Explosions! Aren't They Fun? <i>Dharshi Bopegedera et al</i>	Lab Buildings Courtyard
1:00-1:30	Ancient Machines <i>Chris O'Connell, Alberto Saenz, Tim Robertson</i>	Lab I, 1040
1:00-1:30	Amazing Stinky Sludge at the Bottom of Soap Lake <i>Brian Pointer, Katie Shultz</i>	Lab II, 1234
1:00-1:30	Wave Interference <i>Jon Lingrey</i>	Lab II, 2207
1:00-2:00	Hands-On: Scanning Electron Microscopy <i>Matt Sebonia</i>	Lab I, 067
1:00-2:00	Healing Through the Human Energy Field <i>Ty Taylor</i>	Lab I, 1047
1:00-2:00	Seminar: "The Coming Plague: Antibiotic Resistance and Alternative Therapies"	Lab I, 2033
1:00-2:00	Hands-On: An Alternative Diesel Fuel: Making Biodiesel from Vegetable Oil <i>Neill Prohaska</i>	Lab II, 1241
1:30-2:00	Skateboard Dynamics <i>James Vega</i>	Lab I, 1040
1:30-2:00	Head-Tail Development in Drosophila Eggs <i>Kate Monroe, Celeste Holz</i>	CAL West (Lab II, 1223)
1:30-2:00	Hands-On: Making Nylon <i>Anna Costano</i>	Lab II, 1234
1:30-2:00	What Can a Magnet Do to Your Molecules?--EPR and Structure <i>Min Schrader</i>	Lab II, 2237
2:00-2:30	Surface Ozone <i>Chris Blanton</i>	Lab I, 1040
2:00-2:30	Fluid Turbulence <i>John Noonan</i>	Lab II, 1234
2:00-2:30	Gas Laws:Expansive Explosions! <i>Joy Tubbs, Michael Phillips, Therosa Witkowski</i>	Lab II, 1241
2:00-2:30	Measuring the Insulation of a Straw Bale House <i>Chris Dove</i>	CAL East (Lab II, 1223)
2:00-2:30	(1) Roll Your Own E-commerce Site; (2) Hog--An Analog Processor <i>Dillon</i>	CAL West (Lab II, 1223)

TESC Science Carnival Presentation Schedule, May 2004

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Time	Title	Location
11:00-11:30	Magnetic Induction <i>Luke Davis</i>	Lab I, 1040
11:00-11:30	Hands-On: Testing Drinking Water for Pollutants with a 10,000 Degree Plasma <i>Brian Pointer</i>	Lab I, 2041
11:00-11:30	Hands-On: Our Nearest Star: Observing Sunspots and Solar flares <i>TBA</i>	Lab I Roof
11:00-11:30	Circuit Simulations <i>Sean Connolly</i>	CAL West (Lab II, 1223)
11:00-Noon	Hands-On: Kids and Chemistry <i>Katie Shultz, Katrine Gorham, K.C. Nattinger</i>	Lab I, 1047
11:00-Noon	Seminar: "Mission to Mars: Is Space Exploration Worth the Cost?" <i>Heather Barnhart, Leslie Russell</i>	Lab I, 2033
11:00-Noon	Hands-On: DNA Fingerprinting <i>Kristine Patterson</i>	Lab I, 3041
11:00-Noon	Hands-On: Microscopy: Life in a Puddle <i>Annie Davis</i>	Lab I, 3046
11:00-Noon	Hands-On: Titrations: Exploring Acids and Bases <i>Brian Ham, Joy Tubbs, Jennifer Osweiler, Michael</i>	Lab II, 1241
11:30-Noon	Gyroscopic Motion <i>John Campbell</i>	Lab I, 1040
11:30-Noon	Hands-On: Our Nearest Star: Observing Sunspots and Solar flares <i>TBA</i>	Lab I Roof
11:30-Noon	Fire and Ice: Exothermic and Endothermic Reactions <i>Paul Manzanares, Travis Gross</i>	Lab II, 1234
11:30-Noon	Follow the Light: Optical Lens Laws <i>Charity McDonald</i>	Lab II, 2207
11:30-Noon	Modeling Projectile Motion <i>Hien Le, Hargobind Khalsa, Woobong</i>	CAL West (Lab II, 1223)
Noon-12:30	Radioactive Chemistry <i>Earle Wolfrom</i>	Lab I, 1040
Noon-12:30	Efficiency of a Wind Turbine <i>Emmett Fitch</i>	Lab II, 2207
Noon-1:00	Hands-On: Scanning Electron Microscopy <i>Matt Sebonia</i>	Lab I, 067
Noon-1:00	Hands-On: Electricity: Building Series and Parallel Circuits <i>Julie Ho, Stacy Schmidt</i>	Lab II, 1234
Noon-1:00	Hands-On: Lasers and Colloids <i>Dodie McCallum</i>	Lab II, 1241



Friday, May 28th, 2004

Time	Title	Location
11:00-Noon	Hands-on: Scanning Electron Microscopy <i>Donna LaGarde</i>	Lab I, 067
11:00-Noon	Fish Embryology <i>Beth Barnes</i>	Lab I, 3041
11:00-Noon	Microscopy: Life in a Puddle <i>Annie Davis</i>	Lab I, 3046
11:00-Noon	Titrations: Exploring Acids and Bases <i>Jennifer Osweiler, Joy Tubbs, Rae Nelson</i>	Lab II, 1241
11:30-Noon	Radioactive Chemistry <i>Earle Wolfrom</i>	Lab I, 1040
11:30-Noon	Hand's On: Our Nearest Star: Observing Sunspots and Solar flares <i>J. German, J. Samson, J. Sarrantonio</i>	Lab I Roof
11:30-Noon	Biomechanical Integrity of Knees: Elasticity of Tendons <i>Chris Vriesema</i>	Lab II, 2211
11:30-Noon	Galaxy Dynamics and Dark Matter <i>Don Noe, Ryan Smith</i>	CAL West (Lab II, 1223)
Noon-12:30	Radioactive Chemistry <i>Earle Wolfrom</i>	Lab I, 1040
Noon-12:30	Why We Don't Fall Down: Bicycle Wheels and Conservation of Momentum <i>Jennifer Kratzer, Bryce Sundahl</i>	Lab II, 1234
Noon-12:30	Electrolysis of Water <i>Allison Parker, Marie Terrill, Nick Hurt</i>	Lab II, 1241
Noon-12:30	Gyroscopic Motion <i>John Campbell</i>	Lab II, 2211
Noon-12:30	A Solar Dynamo <i>Night Song</i>	CAL East (Lab II, 1223)
Noon-12:30	Tides of Mars <i>Claudia Meza, Jais Brohinsky</i>	CAL West (Lab II, 1223)
Noon-1:00	Hands-on: Scanning Electron Microscopy <i>Matt Sebonia</i>	Lab I, 067
12:30-1:00	Here We Go Again: Vibrational Modes of Molecules <i>Jason McIntosh, Elizabeth Kriesten</i>	Lab II, 1234
12:30-1:00	Aluminum Recycling Step-by-Step <i>Micah Cote, Angela Kelley, Wyatt Sauvage</i>	Lab II, 1241
12:30-1:00	Efficiency of a Wind Turbine <i>Emmett Fitch</i>	Lab II, 2211
12:30-1:00	Ancient Star Maps <i>Lorna Porter, Nicole Streuli</i>	CAL East (Lab II, 1223)
12:30-1:00	Isotropy of the Universe's Expansion <i>Joey Fedrow</i>	CAL West (Lab II, 1223)

TESC Science Carnival Presentation Schedule, May 2004

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Time	Title	Location
12:30-1:00	Special Event: A Pie in the Face for a Fundraising Winner <i>Marty Beagle (The Winner!)</i>	Lab Buildings Courtyard
1:00-1:30	Spark Synthesis of Methanol <i>Leland Blanchard</i>	Lab II, 1234
1:00-1:30	Electrolysis of Water <i>Allison Parker, Marie Terrill, Nick Hurt</i>	Lab II, 1241
1:00-1:30	Ancient Chinese Astronomy <i>Jenni Walsh</i>	CAL East (Lab II, 1223)
1:00-1:30	Hands-On: Comets NEAT and LINEAR <i>A. Brown, C. Aviles, S. Murphy</i>	CAL West (Lab II, 1223)
1:00-2:00	Seminar: "Building Humans: The Ethics of Cloning" <i>Micah Cote, Angela Kelley</i>	Lab I, 2033
1:00-2:00	Healing Through the Human Energy Field <i>Ty Taylor</i>	Lab I, 1047
1:30-2:00	Hands-On: Making Nylon <i>Anna Costano</i>	Lab II, 1234
1:30-2:00	Thermite: 2200 degrees in a flash <i>Dan Sato, Mel McKay</i>	Lab II, 1241
1:30-2:00	Lyrid and Eta Aquarid Meteor Showers <i>H. Tramel, G. Schultz, V. Postil</i>	CAL East (Lab II, 1223)
1:30-2:00	Mayan Venus Cosmology <i>Brea Gagne, Eddie Janicki</i>	CAL West (Lab II, 1223)
2:00-2:30	Inventing Ceramics <i>Jon Clemens, Dan Wolff</i>	Lab I, 1040
2:00-2:30	Wave-Particle Properties of Light: The Last Mystery of Science? <i>Josh Meckle, Britni Herick</i>	Lab II, 1234
2:00-2:30	Jupiter and its Moons <i>Tammy Schmidt, Doug Jenkins</i>	CAL East (Lab II, 1223)
2:00-2:30	(1) Running a Program on Multiple Computers-Concurrency; (2) Automobile Engine Diagnostics <i>(1) Jim Kusznir; (2) Greg Feigenson, Ryan Higgins, Michael Schulz</i>	CAL West (Lab II, 1223)
2:00-3:00	Pyrotechnics <i>Ally Young, Amanda Llorente</i>	Lab II, 1241



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2:30-3:00	Testing Drinking Water for Pollutants with a 10,000 Degree Plasma <i>Brian Pointer</i>	Lab I, 2041
2:30-3:00	Wave-Particle Properties of Light: The Last Mystery of Science? <i>Josh Meckle, Britni Herick</i>	Lab II, 1234
2:30-3:00	Nemesis <i>Brian Flewell</i>	CAL East (Lab II, 1223)
2:30-3:00	(1) Monitoring Heat on Computer Chips; (2) Translating "Legalese" into English <i>(1) Youngmi Kin, Pam Johnson; (2) Emerson Murphy-Hill</i>	CAL West (Lab II, 1223)

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10:00-10:30	Amazing Stinky Sludge at the Bottom of Soap Lake <i>Brian Pointer, Katie Shultz</i>	Lab II, 1234
10:00-10:30	Follow the Light: Optical Lens Laws <i>Charity McDonald</i>	Lab II, 2207
10:00-11:00	Our Immune Systems, AIDS, and Society <i>Dave Cates, Bonita Wilcox, Cavan Hathaway</i>	Lab I, 1047
10:00-11:00	Hands-On: DNA Fingerprinting <i>Kristine Patterson</i>	Lab I, 3041
10:00-11:00	Hands-On: Electricity: Building Series and Parallel Circuits <i>Julie Ho, Stacy Schmidt</i>	Lab I, 3046
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10:30-11:00	Visualizing the World: The Power of Geographical Information Systems (GIS) <i>Sara Wallman</i>	CAL West (Lab II, 1223)

KEY: CAL = Computer Applications Lab, Lab II, room 1223
TBA = To be announced