GREAT Day 2012 PROGRAM CHANGES AND ADDITIONS

ADDITIONAL POSTERS

HISTORY

20A • After Effects of the Rochester Riot of 1964

YUSUF ABDI

FACULTY SPONSOR: JUSTIN BEHREND, HISTORY

My research will investigate the Rochester Riot of 1964. The Rochester Riot exposed racial tension from segregated neighbors to segregated job opportunities. But what was the legacy of the riot on the prospering city? To what extent did the city's leaders and communities address the racial and economic conflicts in Rochester? Since the riot schools and job marketing as become equal but more segregated. After 48 years we can examine how the effects of racial separation has benefit or negatively affected but Rochester and other racial divided cities in the USA. Through an examination of population demographics as well as other economic and social indicators, I will be taking a deeper look as to how the riot impacted Rochester today.

PHYSICS & ASTRONOMY

177A • Simulation of Hexagonal Ceramic Armor

JACOB DESHAIES,

FACULTY SPONSOR: JAMES MCLEAN, PHYSICS & ASTRONOMY

My project involves exploring the advantages and disadvantages of a ceramic bead armor built out of hexagonal-shaped beads over an armor made up of cylindrical beads. This entails simulating an armor-piercing bullet hitting a section of the armor using industry-standard software, and reviewing the results. In particular, I examined the final kinetic energy of the bullet, the eroded mass of the beads, and the eroded mass of the bullets. By overlaying the results over pictures of the different armors, weak and strong points of each of the armors can be highlighted. Also, graphs of the kinetic energy and eroded masses over time synchronized with snapshots of the simulation will further clarify the differences in the armors. Our focus is on where the initial energy of the bullet goes; specifically where, when, and how some of the energy is 'dispersed' into parts of the armor and in what form.

PROGRAM NAME LISTING ADDITIONS AND CORRECTIONS

POSTERS

85 • Brochures for Families of Children and Adults with Articulation and Phonological Disorders

ADDITIONAL STUDENT PARTICIPANTS: CALLI RAINES, APRIL RUIZ, BRIANNA SERGIO, BRYNNE STURGE, ASHLEY THORNTON, AXITA VORA

88 • Fluency Materials for Children

ADDITIONAL STUDENT PARTICIPANTS: KATHRYN MICHALEK

FACULTY SPONSOR: LINDA HOUSE, COMMUNICATIVE DISORDERS & SCIENCES

104 • Speech and Language Therapy Materials: Original Student Works

ADDITIONAL STUDENT PARTICIPANTS: SYDNEY LUCE, DONALD MONACELLI, MURIEL PEETE, ELIZABETH RYAN, JAMIE SHARRATT, MARY-CLARE STOKES, ALEXANDRA WILLIAMS

FACULTY SPONSOR: LINDA HOUSE, COMMUNICATIVE DISORDERS & SCIENCES

CONCURRENT SESSIONS

1O • The Response of the Muslim Brotherhood to Egypt's Arab Uprising

THEODORE WILSON

FACULTY SPONSOR: EDWARD DRACHMAN, POLITICAL SCIENCE & INTERNATIONAL RELATIONS

1O • US Foreign Policy in a Dynamic Persian Gulf

MICHAEL FANDRICH

FACULTY SPONSOR: ROBERT GOECKEL, POLITICAL SCIENCE & INTERNATIONAL RELATIONS

1Q • But I'm Not A Racist

ADDITIONAL STUDENT PARTICIPANTS: CHEYENNE MIDI, TORI PRYOR, ASHLEY ROCCO, BELEM SANCHEZ, MICHAEL SENZER, AMY TRAN, KAWAI WONG

2S • Too Young to Wed: The Impact of Child Marriage Around the World

ADDITIONAL STUDENT PARTICIPAMNTS: RACHEL KEHINDE, TIFFANY STEPHENSON, TARYN BURRIS, ARIEN TUCKER, AWA GAYE

3C • Language Sample Analysis

ADDITIONAL STUDENT PARTICIPANTS: ADITIONAL STUDENT PARTICIPANTS: JYL RISTAU, LAUREN SMITH, MARY-CLARE STOKES, ERIC TYLER, KRISTINA WHELPLEY

4A • Designing Innovative Sustainable Solutions: Community Development

ADDITIONAL STUDENT PARTICIPANTS: JONATHAN YOUNG, SOPHIA HUTNIK

2G • L.I.V.E.S. Program
The Next Step in College-Advocating for One's Self and Selecting the Right Path

ADDITIONAL STUDENT PARTICIPANT: KRISTA COBURN

CONCURRENT SESSION CHANGES TO SCHEDULE OR ROOM

1Q • Sociology: 2 presentations moved to 1S, Welles 133
Creating the Conversation: When The Classroom Tells All But I'm Not A Racist

3S • moved to 2U Cultural Exploration Sturges Auditorium
Iaido – The Art of Japanese Sword Fighting & Sláinte Irish Dance

2H • moved to 4T, room changed to Welles 111

3G • moved to Welles 111 **Katie, Katie, and Katie's Senior Reading**

CONCURRENT SESSION CHANGES TO PRESENTATION ORDER

2J • Heard@Geneseo, Welles 133

Singing Hero: Solutions to American Aging; The Making of a Narrative; From Page to Pixels, with Terabytes Between

3I • Mind over Manners, Morals, and Modesty: Considerations of Gender, Society and Decorum in Plays of Shaw, Wilde, and Coward, Welles 133

The Oppressive Institution of Victorian Sexual Morality as Represented By the Women of Wildean and Shauvian Drama; The Friend Zone: Implicit and Explicit Sexuality in the Plays of George Bernard Shaw and Noel Coward; Noël Coward: A Celebration of A Style All His Own

WITHDRAWALS

POSTERS

82 • "It's Not Too Late!" (Justification for Speech Language Pathologists in Public Middle Schools and High Schools)

JOANNA FINNERTY

FACULTY SPONSOR: BEVERLY HENKE-LOFQUIST, COMMUNICATIVE DISORDERS & SCIENCES

123 • The Paradox of Christian Conservatism

MATTHEW HARRIS, PAUL MUNIZ

FACULTY SPONSOR: PHIL NATOLI, SCHOOL OF EDUCATION

CONCURRENT SESSIONS

3R • Pulling Chestnuts from the Fire: Yeats's Traverse Between the Physical Body and the Dance of One's Imaginative Soul

KYLE SKOVIRA

FACULTY SPONSOR: ROBERT DOGGETT, ENGLISH

UPDATED POSTER ABSTRACTS

46 • Identification of Bacterial Symbionts Associated with Clonal Sea Star Larvae From the Open Ocean

PAUL SANDELL, SUSAN SNYDER

FACULTY SPONSOR: ISIDRO BOSCH, BIOLOGY

The larvae of the Caribbean cushion star, *Oreaster reticulatus*, reproduce asexually and also participate in a symbiotic relationship with bacteria. Research in our lab addresses two questions: What is the identity of the bacteria? And, what is the nature of the symbiotic relationship? Using sequence analysis of amplified 16S-rDNA fragments we have identified the symbionts as photosynthetic bacteria of the genera *Prochlorococcus* and *Synechococcus* that may also be able to fix nitrogen. These bacteria may provide the larvae with resources, such as carbon and nitrogen, that may be essential to clonal reproduction while drifting in the nutrient-impoverished open ocean.

55 • The Effects of Sulphoraphane and Elevated Temperatures on the Cell Cycle of MDA-MB 435 Breast Cancer Cells

PETER TUNKEY

FACULTY SPONSOR: ROBERT O'DONNELL, BIOLOGY

Sulforaphane (SFN) is a member of the isothiocyanates, a group of chemicals produced by cruciferous vegetables. Initial experiments have shown that the ratio of G2/M:G1 increased from the control cells to the cells incubated with SFN, which supports previous studies that have shown isothiocyantes are mitotic inhibitors and arrest the cell cycle in G2/M. The investigation of whether or not the application of elevated temperatures augments these effects, as analyzed through flow cytometry and MTT assays, was also performed. Preliminary results show that although elevated temperatures inhibited cell growth in general, the presence of low doses of SFN moderated this effect. Future experimental testing will look to identify the causes of this moderation, possibly through the identification of heat shock proteins and their potential influence on SFN's effects.

GREAT Day

4·17·12

Geneseo Recognizing Excellence, Achievement & Talent