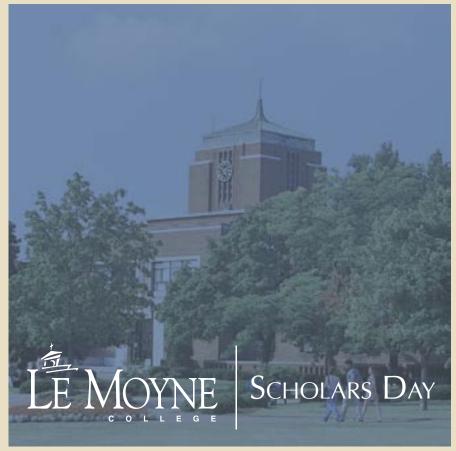


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Student Research & Creativity Celebration April 22, 2006



Student Research & Creativity Celebration April 22, 2006

From the Provost...

I wish to commend those students who have performed research projects under the guidance of our wonderful faculty mentors. They have participated in the highest levels of scholarship as together we strive to achieve academic excellence.

John Smarrelli Jr., Ph.D. Provost and Vice President for Academic Affairs

A WORD FROM THE DEAN OF ARTS AND SCIENCES...

horough examination of the literature demonstrates that undergraduate research programs result in a wide variety of benefits, including greater student interest in the field, a greater understanding of how problems are defined and approached (i.e., how to think like a scientist or psychologist or historian), greater student confidence in the ability to conduct research, and a greater involvement in the learning process through active rather than passive learning. One study on the benefits of undergraduate research in the sciences, conducted through extensive interviews with students at four undergraduate institutions, found that 91 percent of all student statements indicated some benefit as the result of conducting research. Among the types of benefits registered by the participants were an increased awareness of how smaller pieces of knowledge contribute to a greater understanding, an increased understanding of science in general and their discipline in particular, gains in problem-solving and critical-thinking skills, and the ability to apply theoretical knowledge to real problems.

Today's showcase of undergraduate research and scholarly work at Le Moyne College underlines the achievements of our students, the dedication of their faculty mentors, and the College's commitment to academic excellence! Thanks for joining us in this celebration of scholarship!

Dr. Linda LeMura Dean of Arts and Sciences

ABOUT LE MOYNE SCHOLARS DAY...

Indergraduate research has an important place in the intellectual culture of Le Moyne College. Long a part of undergraduate education here, faculty-mentored student research and scholarly creative work have resulted in published papers, exhibitions, theatrical productions, and presentations at seminars and professional meetings. Scholars Day, as a community celebration of this student work, originated as the First Annual Undergraduate Research Symposium in 1998, and has grown into its present form as growing numbers of students from all disciplines have chosen to share their work. Today we share in the excitement of accomplishment as the students show the results of their research and creative experience. Please join us in commending them and their mentors on a job well done!

Dr. Sherilyn Smith, Chair The Student Research Committee

SCHEDULE OF EVENTS

11:30 - 12:30 Poster session A 12:30 - 1:30 Poster session B

12:30 - 1:30 LUNCH

Curtin Special Events Room

	Curun Special Events Room
9:00	Continental breakfast
9:15	Welcoming remarks
9:30	Puget Sound Risk Assessment Accident-Incident Database Analysis
	Katie C. Barrett, Management Information Systems and Business Administration
9:45	RISK ANALYSIS AND LEADING INDICATOR EVALUATION IN LARGE-SCALE SYSTEMS
	Brent C. Hambly, Business Administration, MIS and Leadership Concentrations
10:00	Economists' Gatekeepers: Analysis of Editors of Economic Journals
	David Killian, Economics
10:15	Understanding Terrorist Strategies: An Examination of Chechen
	Bombings from 1997-2003
	Andrea Masselli, Criminology and Crime and Justice Studies
	Michael Rey, Criminology and Crime and Justice Studies
	Danielle Rusnak, Criminology and Crime and Justice Studies & Psychology
10:30	Break
10:45	THE DEVELOPMENT OF DISABILITY SUPPORT SERVICES AT LE MOYNE, OCC AND SU
	Kathleen (Kate) Battoe, History
11:00	Dutch Patroons to English Gentlemen: New York's Journey from
	Prejudice to Acceptance
	David Brown, History and Integral Honors
11:15	Using Popular Music that Relates to Lesson Plans in Order to
	Stimulate a Better Understanding of Course Material
	Mattia Scro, Accounting and Integral Honors
11:30	Announcement of art competition winners

1:45	An In-Depth Look at the Marketing Needs of Our Lady of Pompei School
	Amanda L. Weikel, Business Administration
2:00	Direct marketing + Pharmaceutical industry = healthier
	PEOPLE
	OR DOES IT?
	Mike Lagana, Marketing/Business Leadership
2:15	Marketing Research Study: Visage Medical Aesthetics
	Ashley Whipple, Business Administration
2:30	Forecasting and the Marketing Mix
	Stephen Davidson, Business Administration
2:45	Marketing Research Project for the Syracuse Crunch
	Michelle Wilson, Business Administration
3:00	Break
3:15	Involvement and Field Dependence-Independence in the Detection of Deception
	Kimberly McClure, Psychology
3:30	Is There an "I" in Team? Sex Differences in Collegiate
	Coaching Preferences
	Jessica L. Blasik, Psychology
3:45	EMERSONIAN PHILOSOPHY IN THE LITERATURE OF MARK TWAIN
-	Jillian J. Kirby, English Literature and Political Science, Integral Honors
4:00	THE WILDLY HILARIOUS TALE OF: THE SHOEMAKER, HIS WIFE, THE
	Monk and The Doorman (A Medieval French Farce translated
	into English)
	Michelle Volz, Foreign Languages (French) and International Studies

POSTER SESSION A

1. Raising Awareness about Disabilities and Improving Campus Accessibility at Le Moyne

RADICAL, Kate Battoe, History

- 2. State of Fear: A Content Analysis of 100 Years of Headlines
 - Bethany Barton, Psychology
- 3. Styles and Techniques of Healthcare Management

Megan Cooney, Psychology

4. Localization and Characterization of HSP70 in Chlamydomonas Flagella

Michael Feely, Biological Sciences

5. CAUDAL CHICK EMBRYO SPINAL CORD AND GFAP

Justin Jeong, Biological Sciences

6. THE EFFECTS OF APPLIED CYTOKININ 6-BENZYLAMINOPURINE ON LEAF TISSUE OF SPINACIA OLERACEA: A LOOK AT THE RATE OF SENESCENCE

Deanna Monti, Biological Sciences

7. CHLAMYDOMONAS REINHARDTII AS CELL MODEL

Arsida Nocka, Biological Sciences

POSTER SESSION B

8. An Exploratory Study of the Relationship between Eating Disorders and

ATTENTION DEFICIT DISORDER IN ADULTS

Adrienne DiFabio, Psychology and Biological Sciences

9. Genetic Influences on the Perception of the Taste of Alcohol

Laura Dishaw, Psychology and Biological Sciences

10. A Comparison Between Psychological and Biological Responses to a Stressful Situation

Kristin Dupre, Psychology

11. Analysis and Computation of Data on Executions in the United States 1953-2002

Shannon Ferrucci, Criminal Justice

12. Responses to the Mentally Ill: Effects of Personal Knowledge, Sex, and Language Referents

Michelle M. Hamilton, Psychology

- 13. An Exploratory Study of the Responses and Coping Strategies of Young Adults After the Death of an Emotionally Close Individual Seth Metevier, Psychology
- 14. EVALUATION PLAN: SYRACUSE MIDDLE SCHOOL CHOICE PROGRAM

 April Roberts, Criminology and Crime and Justice Studies
- 15. IMPACT OF DIGITAL DIVIDE REMEDIATION ON INCOME AND PUBLIC ASSISTANCE USE Maria Paino, Sociology

RELATED EVENT

Love and Literature: Le Moyne Student Conference 11 a.m. - 4 p.m., Grewen Auditorium

Sponsored by the Le Moyne College English Club

PUGET SOUND RISK ASSESSMENT ACCIDENT-INCIDENT DATABASE ANALYSIS

Katie C. Barrett, Management Information Systems and Business Administration

Faculty Mentor: Dr. Martha Grabowski Department of Business Administration, MIS

PRESENTATION ABSTRACT

The primary purpose of this project is to identify, analyze and measure the safety of U.S. domestic tanker shipping operations. This project is sponsored by the American Bureau of Shipping as well as Exxon-Mobil's domestic oil transportation subsidiary, SeaRiver Maritime, Inc. My research project focuses on assessing the role of

human and organizational error in maritime safety. In order to do this I will use vessel casualties, accidents and pollution to determine the severity of an accident. The data has been extracted from the U.S. Coast Guard marine database.

Katie is a senior, with a double major in Management Information Systems and Business Administration. Upon graduation she plans on returning to Albany, N.Y., and starting a career in the field of information systems. After a few years she plans on going back to school to receive her MBA.

THE DEVELOPMENT OF DISABILITY SUPPORT SERVICES AT LE MOYNE, OCC AND SU

Kathleen (Kate) Battoe, History

Faculty Mentor: Dr. Barbara Blaszak
Department of History

Presentation Abstract

This project will be an analytic study of the development of how Syracuse University, Onondaga Community College and Le Moyne provide students with academic accommodations. It will explain what Section 504 of the Rehabilitation Act and the Americans with Disabilities Act are and show the effects that they had on these schools.

Kathleen is a junior history major. After graduating from Le Moyne, she intends to go to graduate school and eventually teach at the college level, using synthesized speech.

HISTORY OF DISCRIMINATION AGAINST PEOPLE WITH DISABILITIES RADICAL (RAISING AWARENESS ABOUT DISABILITIES AND IMPROVING CAMPUS ACCESSIBILITY AT LE MOYNE)

Kate Battoe, History

Faculty Mentors: Mr. Bud Cooney and Dr. Rasheeda Ayanru Department of Education

POSTER ABSTRACT

his project is a poster series highlighting the history of discrimination against people with disabilities. Some topics may include people with disabilities in institutions, Section 504's effects on higher education, and the equal access movement.

STATE OF FEAR: A CONTENT ANALYSIS OF 100 YEARS OF HEADLINES

Bethany Barton, Psychology

Faculty Mentor: Dr. Birgit Bryant Department of Psychology

POSTER ABSTRACT

n increase in the use of sensationalizing descriptors in 100 years of headlines from The New York Times and The Washington Post was



investigated. The frequency of print of five strong words (e.g., catastrophe) and five weaker words (e.g., misfortune) in headlines was searched for. Results revealed a decrease in use of the strong descriptors for most words in both sources, and weak descriptors have been used overall significantly more often in the last century. The trend indicates an overall decline in the use of all the included words.

Bethany is a senior psychology major. Next year she will be attending Boston University to pursue her masters in counseling. She considers herself lucky to have Dr. Birgit Bryant as a mentor.

Is There an "I" in Team? Sex Differences in Collegiate Coaching Preferences

Jessica L. Blasik, Psychology

Faculty Mentor: Dr. Monica R. Sylvia Department of Psychology

Presentation Abstract

oaches and student-athletes were surveyed regarding coaching style preferences. Female coaches and athletes reported preferences for athlete integration



over role development coaching styles, whereas male coaches indicated the reverse. Regardless of sex, coaches of female teams reported a preference for athlete integration; coaches of male teams again reported the reverse.

Jessica is a senior psychology major and captain of the swim team. After graduation she will attend Duquesne University to pursue a Ph.D. in school psychology.

DUTCH PATROONS TO ENGLISH GENTLEMEN: NEW YORK'S JOURNEY FROM PREJUDICE TO ACCEPTANCE

David Brown, History and Integral Honors

Faculty Mentor: Dr. Douglas Egerton

Department of History

PRESENTATION ABSTRACT

tudents of history oftentimes neglect the period of Dutch colonization in the American colonies. This project evaluates the assimilation process of Dutch New Yorkers who transition into an English system after conquest in 1664. Using the life of General Philip Schuyler, I analyze socio-cultural aspects of the gradual transformation of New York Dutch culture to eventually an Anglo-American culture where New York became further connected to the other British colonies. Looking at the social structure and aristocratic methods of maintaining power, it became evident that the elite were the ones to facilitate the move in New York society away from Dutch traditions.

David Brown is a senior history major at Le Moyne College. Next year, he plans on attending graduate school at the University at Albany. He would like to thank his faculty mentor, Dr. Douglas Egerton for all his help and assistance.



Styles and Techniques of Healthcare Management

Megan E. Cooney, Psychology

Faculty Mentor: Dr. Brenda Kirby Department of Psychology

POSTER ABSTRACT

mployees and managers of a health care organization completed interviews and surveys describing their level of workplace satisfaction. Although some dissatisfaction was expressed toward organizational policies, overwhelmingly, participative rather than authoritative management techniques were identified as having been used and employees expressed high levels of satisfaction with managers and departments.

Megan E. Cooney is a graduating psychology major completing departmental honors research with Dr. Brenda J. Kirby to be presented at APS in May. She plans to go to graduate school to study health care administration.

FORECASTING AND THE MARKETING MIX

Stephen Davidson, Business Administration

Faculty Mentor: Dr. David MooreDepartment of Business Administration

PRESENTATION ABSTRACT

Porecasting is extremely important in the marketing function, as much of the research done in marketing revolves around an understanding of the performance of products in the marketplace and determinants of that performance. By understanding how the marketing mix affects consumer behavior and the role of forecasting in the marketing mix, marketers can both predict the results of future management action and provide diagnostic information that enables such actions to be further refined.

Stephen is a senior Business Administration major. After graduation, he will be returning to Jamaica where he plans on pursuing a career in Marketing and Communication and completing his MBA.

An Exploratory Study of the Relationship between Eating Disorders and Attention Deficit Disorder in Adults

Adrienne DiFabio, Biological Sciences and Psychology

Faculty Mentor: Dr. Christina Michaelson

Department of Psychology

POSTER ABSTRACT

Eating disorders and Attention Deficit Disorder (ADD) are fairly prevalent, chronic problems that continue to affect individuals into adulthood. However, after several searches to find reports describing a specific association between eating disorders and ADD, few published reports were found. Therefore, the purpose of this study is to explore the co-occurrence between eating disorders and ADD in collegeage students. Participants were at least 18 years of age and participated via classroom announcements from teachers. Each anonymously completed the Eating Disorders Inventory third edition (EDI-3) and the Clinical Assessment of Attention Deficit-Adult (CAT-A). It is suspected that individuals with eating disorders and ADD may also experience depression; the Beck Depression Inventory-Second Edition (BDI-II) was completed by participants as well. The three measures were correlated to determine the strength of the existing relationships within the respondent population.

Adrienne is a senior double-majoring in biological sciences and psychology.

GENETIC INFLUENCES ON THE PERCEPTION OF THE TASTE OF ALCOHOL

Laura Dishaw, Biological Sciences and Psychology

Faculty Mentor: Dr. Theresa White

Department of Psychology

POSTER ABSTRACT

Ithough many factors contribute to alcoholism, the pleasantness of its taste facilitates initial ingestion. The taste of alcohol is a collection of taste qualities, including sweet and bitter. Since individual variation in the perception of these taste qualities is somewhat genetically determined via PROP sensitivity, it might be anticipated that PROP sensitive individuals would consume less alcohol. However, studies examining human PROP sensitivity and alcohol consumption have been contradictory, at least in part due to the complex social factors surrounding ingestion of alcohol. The present study examined taste percep-

tions associated with alcohol in non-human subjects to clarify the role of taste in alcohol ingestion. Four mouse strains (alcohol preferring, alcohol avoiding, PROP sensitive, and PROP insensitive) were evaluated for taste preferences for PROP and for ethanol with a Brief Access Taste Test in order to minimize post-ingestive consequences of the taste stimuli. Clarifying taste perception of alcohol could lead to clinical testing with a focus on prevention of alcoholism.

Laura is a senior double-majoring in biological sciences and psychology. Her research has been conducted in cooperation with SUNY Upstate Medical University and is being submitted for departmental honors in psychology.

A COMPARISON BETWEEN PSYCHOLOGICAL AND BIOLOGICAL RESPONSES TO A STRESSFUL SITUATION

Kristin Dupre, Psychology

Faculty Mentor: Dr. Christina Michaelson

Department of Psychology

POSTER ABSTRACT

Ifty-three undergraduate college students provided saliva samples and filled out the State-Trait Anxiety Inventory, Hamilton Rating Scale for Depression, and Perceived Stress Questionnaire before and after doing a computerized version of the Stroop Color and Word Test. The Stroop test served as the stressor in this experiment. The saliva samples were used to determine pre- and post-stressor cortisol levels. The three questionnaires were used to determine pre- and post-stressor feelings of anxiety, depression and stress. A paired sample t-test revealed that participants felt significantly more anxious following the stressor; however, participants did not feel significantly more depressed or stressed. Saliva cortisol results are still being analyzed. When completed, the cortisol results will be compared with the psychological measures. This study predicted that the psychological and biological responses to the stressor would vary together; that is, if people reported being more anxious, depressed and stressed following the Stroop test, then their saliva cortisol levels would also increase.

Kristin is a senior psychology major and a candidate for departmental honors in psychology. She plans to attend graduate school, earn her Ph.D. in behavioral neuroscience, and conduct research in biopsychology.

LOCALIZATION AND CHARACTERIZATION OF HSP70 IN CHLAMYDOMONAS FLAGELLA

Michael Feely, Biological Sciences

Faculty Mentor: Dr. Beth Ferro Mitchell

Department of Biological Sciences

POSTER ABSTRACT

ome recent work on the structure of flagella, specifically on the central pair microtubules, has shown the presence of two proteins of interest. One protein is homologous to heatshock proteins and has been found to be HSP70, while the other is enolase, an enzyme that is active in glycolysis. Heatshock proteins



are known to act as molecular chaperones, aiding in the folding of other proteins. Recent studies have shown that not only do HSPs assist in the formation of molecules; they also carry out other functions in eukaryotic cells. It is not yet known what purpose the HSP plays within the axoneme's central pair. The presence of additional HSPs within flagella is also possible. One goal of my research will be to obtain more information about the location of HSP70 in *Chlamydomonas* flagella.

Michael is a senior biological sciences major and Goldwater Scholar. His research is being submitted for departmental honors in biological sciences. He will be attending medical school next fall.

Analysis and Computation of Data on Executions in the United States 1953-2002

Shannon Ferrucci, Criminal Justice

Faculty Mentor: Dr. Frank Ridzi

Department of Sociology and Anthropology

POSTER ABSTRACT

have chosen to organize my research into the form of a lab for future research methods students. The research data focuses on executions and my work was done on the Microsoft Excel program. The project will most likely outline the main concepts which the lab is instructed to test, why it is important that students possess the skills necessary to make these computations, and what students will learn as a result.

Shannon is a junior majoring in criminal justice. After graduation, she plans on pursuing a master's degree. She is interested in a career either with the FBI or as a victim's advocate.

RISK ANALYSIS AND LEADING INDICATOR EVALUATION IN LARGE-SCALE SYSTEMS

Brent C. Hambly, Business Administration, MIS and Leadership Concentrations

Faculty Mentor: Dr. Martha Grabowski

Department of Business Administration, Management Information Systems

PRESENTATION ABSTRACT

isk is a critical factor in the assessment of safety in large-scale organizational systems. Risk factors often contribute to major accidents and incidents in the maritime transportation industry. Analyzing maritime accident and incident data allows managers to mitigate these risks and improve the safety level of their organizations.

Brent is a senior majoring in business administration. After graduation, he will be employed as an ISLDP with Lockheed Martin Corporation.



RESPONSES TO THE MENTALLY ILL: EFFECTS OF PERSONAL KNOWLEDGE, SEX, AND LANGUAGE REFERENTS

Michelle M. Hamilton, Psychology

Faculty Mentor: Dr. Brenda Kirby

Department of Psychology

POSTER ABSTRACT

wo studies examined language referents to mental illness. Study One revealed that positive changes have occurred in television language usage. Study Two revealed effects of knowing someone with a mental illness, participants' sex, and being exposed to old- versus new-style terms in reference to mental illness on determining responses to mentally ill people.



Michelle is a graduating departmental honors student in psychology and has been working for three semesters with Dr. Brenda J. Kirby. She will be attending graduate school in the fall of 2007.

CAUDAL CHICK EMBRYO SPINAL CORD AND GFAP

Justin Jeong, Biological Sciences

Faculty Mentors: Dr. Louis De Gennaro and Dr. Theresa Beaty Departments of Biological Sciences, and Chemistry and Physics

POSTER ABSTRACT

his research project involves the extraction of material located at the caudal end (tail-end) of the spinal cord of the chick embryo. The material is then examined for the possible presence of GFAP (Glial Fibrillary Acidic Protein). GFAP plays a possible role in the development of nerve cells called astrocytes.

Justin is a biological sciences major (with minors in chemistry, anthropology, and philosophy) who plans to attend medical school.

Economists' Gatekeepers: Analysis of Editors of Economic Journals

David Killian, Economics

Faculty Mentor: Dr. Wayne Grove

Department of Economics

PRESENTATION ABSTRACT

ditors of academic journals function as gatekeepers for their disciplines, influencing whose and what work gets published. In this project, we will identify the institutional affiliation of the editors of the top 50 economics journals since 1950. The goal of this project is to determine how journal editors' educational affiliations have changed during the past half century.

David is a freshman majoring in economics and a participant in the Integral Honors Program. He is a research assistant for Professor Wayne Grove.

EMERSONIAN PHILOSOPHY IN THE LITERATURE OF MARK TWAIN

Jillian J. Kirby, English Literature and Political Science, Integral Honors

Faculty Mentor: Dr. Ann Ryan Department of English

Presentation Abstract

ineteenth-century literature is a stage where important questions of politics and religion are being contended. Mark Twain and Ralph Waldo Emerson engage in an inter-textual discussion of the possibility of



religious reform in America that is intertwined with a scathing commentary on the organized religions of Christianity. Both Twain and Emerson reject the institution of the church but arrive at different understandings or ideas about the effectiveness of religious reform. This paper analyzes the complex relationship between Emersonian philosophy and the literature of Mark Twain using their religious biographies and published material to draw connections between these two literary figures writing at opposite ends of the century.

Jill is a senior double-majoring in English literature and political science. She plans to attend graduate school next fall.

Direct marketing + Pharmaceutical industry = Healthier people.... or does it?

Mike Lagana, Marketing/Business Leadership

Faculty Mentor: Dr. David Moore
Department of Business Administration

PRESENTATION ABSTRACT

Is direct marketing to the consumer good or bad for a person's health and the relationship between the doctor and the patient?

Mike is a senior marketing major and a candidate for departmental honors. He will be relocating after graduation, working in sales for one of the world's top five elevator/escalator companies.

Understanding Terrorist Strategies: An Examination of Chechen Bombings from 1997-2003

Andrea Masselli, Criminology and Crime and Justice Studies Michael Rey, Criminology and Crime and Justice Studies Danielle Rusnak, Criminology and Crime and Justice Studies & Psychology

Faculty Mentor: Dr. Lisa M. McCartan

Department of Sociology and Anthropology

PRESENTATION ABSTRACT

Recent years have seen an increase in scholarly attention to the topic of international terrorism. The bulk of that attention has consisted largely of non-quantitative analyses of terrorist groups, ideologies or strategies. The current paper seeks to increase the understanding of terrorist behavior through a quantitative approach to understanding terrorist strategies. Using data from the International Terrorism Database, the current paper analyzes data on Chechen rebel bombings in Chechnya and Russia from 1996-2003. The analysis focuses on types of targets, damage inflicted, and differences in damage with regard to more proximate and distant targets from Chechnya.

Andrea Masselli (2007) is a criminology and crime and justice studies major and psychology minor. She plans to attend law school after graduation.

Michael Rey (2006) is a criminology and crime and justice studies major and Spanish and management information systems minor. He plans to join the New York state troopers.

Danielle Rusnak (2006) is a criminology and crime and justice studies/psychology dual major. She plans to get a master's and Ph.D. in forensic psychology, with a certification in terrorism research.

An Exploratory Study of the Responses and Coping Strategies of Young Adults After the Death of an Emotionally Close Individual.

Seth Metevier, Psychology

Faculty Mentor: Dr. Christina Michaelson

Department of Psychology

POSTER ABSTRACT

support they utilized during the experience of the death, their emotional response to the death, spirituality, family dynamics, and what they believe the purpose and meaning of life to be. They also gave responses to the Ways of Coping Questionnaire. Descriptive statistics were taken from the data and were analyzed.

Seth is a senior psychology major and his work is being submitted for departmental honors in psychology.

INVOLVEMENT AND FIELD DEPENDENCE-INDEPENDENCE IN THE DETECTION OF DECEPTION

Kimberly McClure, Psychology

Faculty Mentor: Dr. Birgit Bryant

Department of Psychology

Presentation Abstract

This study examined the effects of processing style and cultural field dependence-independence on deception detection. The effects of gender were also examined. Significant differences were found in the involvement

manipulation depending on the gender of the actor. For the cultural manipulation, a significant difference was found, particularly for female raters.

Kimberly McClure is majoring in psychology and minoring in sociology. She will be graduating in May, and she hopes to get a Ph.D. in social psychology.

THE EFFECTS OF APPLIED CYTOKININ 6-BENZYLAMINOPURINE ON LEAF TISSUE OF SPINACIA OLERACEA: A LOOK AT THE RATE OF SENESCENCE

Deanna Monti, Biological Sciences

Faculty Mentor: Dr. Diane Sklensky Department of Biological Sciences

POSTER ABSTRACT

pinacia oleracea plants were grown under long day conditions and were allowed to reach flowering without any manipulation. Once the plants started to flower, they were divided into two groups – a control group which did not undergo any treatment and an experimental group. The experimental group was sprayed with a 50µM solution of 6-benzylaminopurine every other day until the plants died. The rates of senescence were compared between the control and experimental groups, as well as between male and female plants of each group. Senescence was evaluated by observing pigment metabolism in the leaves of the plants.

Deanna Monti is a senior biological sciences major and chemistry minor working under the supervision and guidance of Dr. Diane Sklensky.



Chlamydomonas reinhardtii as Cell Model

Arsida Nocka, Biological Sciences

Faculty Mentor: Dr. Beth Ferro Mitchell Department of Biological Sciences

POSTER ABSTRACT

hlamydomonas reinhardtii are biflagellated unicellular aglae. They are used as a model system for studying the eukaryotic flagella. However, functions and processes that occur within flagella are still not completely known. In order to have a better understanding of these processes and functions, the flagella need to be demembranated of the plasma membrane to be studied. My research this semester focused on using different detergents to demembranate the flagella but not disrupt it in order to make better cell models resembling live cells. The three different detergents used were Nonidet P-40, Tergitol, and Octylglucoside. Different concentrations of these detergents were tested to determine which disrupted the flagella the least.

Arsida is a junior majoring in biological sciences.

Impact of Digital Divide Remediation on Income and Public Assistance Use

Maria Paino, Sociology

Faculty Mentor: Dr. Frank Ridzi

Department of Sociology and Anthropology

Poster Abstract

his project looks at the effects of a program, implemented by the Syracuse Housing Authority, (SHA) entitled "Neighborhood Networks." A quantitative analysis was conducted which measured both income and public assistance at time one (Nov 2001) and two (Nov 2005), and looked for an increase in resident self-sufficiency. Self-sufficiency was determined based on resident's public assistance and non-PA income levels.

EVALUATION PLAN: SYRACUSE MIDDLE SCHOOL CHOICE PROGRAM

April Roberts, Criminology and Crime and Justice Studies

Faculty Mentor: Dr. Frank Ridzi

Department of Sociology and Anthropology

POSTER ABSTRACT

his project presents a plan for a formative and summative evaluation of the Syracuse Middle School Choice Program. The plan for this evaluation involves three parts: 1) establishing a protocol for longitudinal random assignment summative pre-post evaluation of the program using control and experimental groups; 2) developing an online survey for teachers, mentors and program participants to collect formative and summative feedback on the program's operation and outcomes; and 3) using currently collected data to compare variations in the impact of participant demographic information on participant outcomes.

April is a senior criminology and crime and justice major.

Using Popular Music that Relates to Lesson Plans in Order to Stimulate a Better Understanding of Course Material.

Mattia Scro, Accounting, Integral Honors

Faculty Mentor: Dr. Max Malikow Department of Education

PRESENTATION ABSTRACT

he purpose of this experiment was to test if students who were given and utilized a study CD, containing lyrical songs directly correlated to their in-class lessons, performed better on a test of the related material than



those students who did not receive a study CD. It is predicted that the test group (those who receive a study CD) will perform better on the test than the control group (those who do not receive a CD).

Tia Scro is a senior accounting major enrolled in the Integral Honors Program. Next year she will be working as an accountant at Firley, Moran, Freer & Eassa.

THE WILDLY HILARIOUS TALE OF: THE SHOEMAKER, HIS WIFE, THE MONK AND THE DOORMAN (A MEDIEVAL FRENCH FARCE TRANSLATED INTO ENGLISH)

Michelle Volz, Foreign Languages (French) and International Studies

Michelle Volz, 1 oreign Languages (1 renen) una michialonia Studie.

Faculty Mentors: Ms. Susan Barbour and Br. Leonard Marsh

Theater Arts, and Foreign Languages and Literatures

PRESENTATION ABSTRACT

ichelle translated a medieval French farce into English and had it performed at Le Moyne on March 9, 10 and 11. In doing so, she studied and analyzed the language of the French text. The project was an experiment

of where and how this play might have been performed, exploring such aspects as staging, set design and costumes.

Michelle is a senior in the Integral Honors Program and a double major in French and international studies with a minor in chemistry. She plans to travel the world and eventually further her education.

An In-Depth Look at the Marketing Needs of Our Lady of Pompei School

Amanda L. Weikel, Business Administration

Faculty Mentor: Dr. David Moore Department of Business Administration

PRESENTATION ABSTRACT

present here a case study analysis of Our Lady Of Pompei School. The school is consolidating and is looking to develop successful marketing strategies to maintain and hopefully increase enrollment.

Amanda is a senior whose work is being submitted for departmental honors in business administration.

Marketing Research Study: Visage Medical Aesthetics

Ashley Whipple, Business Administration

Faculty Mentor: Dr. David Moore
Department of Business Administration

PRESENTATION ABSTRACT

am conducting an independent marketing research study on Visage Medical Aesthetics, a cosmetic medical treatment facility and day spa. In an attempt to better understand and effectively reach Visage's target market, 200 people in Central New York were surveyed. These analyzed results will give Visage significant insight on the market and a competitive edge in the industry.

Ashley is a senior from Jamesville, New York, who is pursuing a career in sales. Her major is business administration, with a concentration in marketing.

Marketing Research Project for the Syracuse Crunch

Michelle Wilson, Business Administration

Faculty Mentor: Dr. John Considine
Department of Business Administration

PRESENTATION ABSTRACT

y presentation will be on the Syracuse Crunch hockey team. I will give background information on the War Memorial and the Syracuse Crunch hockey team since its founding in 1994. I have created a sur-



vey that I have distributed to the Syracuse Crunch fans and will be sharing my results with everyone at the presentation. I will give my recommendations on how to keep the Syracuse Crunch fans happy and how to improve their overall game day experience. I will conclude with how I viewed the overall experience of going to the games and working on this research project. I also have taken pictures of one of the games I attended and plan to use Power Point to show some of the highlights of that game.

Michelle is a senior, graduating with a degree in business administration.

This Scholars Day celebration is made possible by a Strategic Development Initiatives Grant and sponsored by the Student Research Committee, SEAL, and the Provost of Le Moyne College.

Notes

