

# majority report

OWA

Office for Women's Affairs  
Indiana University Bloomington

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## Lilly Library Acquires Puzzle Collection

by Virginia Luehrsen

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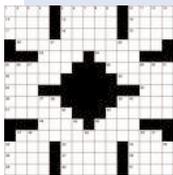
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**T**he Lilly Library's newest acquisition may not be all books, but it is certainly a special collection, and it has certainly attracted a lot of attention. The Jerry Slocum Collection of mechanical puzzles, donated by renowned puzzler and author Jerry Slocum, opened on August 3rd to the public. The Lilly Library currently houses about 358 puzzles from Slocum's collection of over 30,000, with plans to acquire the entire collection over the next 10 years.



Hinchliffe poses with puzzle inside  
Slocum Room

At any given time, you can find several students, faculty, and community members in the Puzzle Room, mulling over a tangram or a tricky three piece puzzle with a disappearing leprechaun. The Slocum Puzzle Collection is not all about entertainment (or frustration, as the case may be). It also gives an insight into the people and cultures that shaped and used the puzzles.

"There is a multi-disciplinary appeal of this collection. Of course, there is a lot for the mathematician or the scientist, but there is also a lot of social history here," said Jillian Hinchliffe, Curatorial Assistant for the Slocum Puzzle Collection. "You can learn so much about culture and society from the puzzles themselves, the craftsmanship, even the packaging."

Behind many of the puzzles may be a little-known story, or a clue as to the purpose of its construction. One of Jerry Slocum's first items in his collection was the Ring of 7. This Chinese puzzle requires a minimum of 256 moves to solve, and was often given to Chinese wives when their husbands went off into battle. "This was, of course, to keep them occupied for long periods of time, with the assumption that a female wouldn't be able to solve it before her husband returned. At least not with the minimum of 256 moves," said Jillian.

A second year masters student in the School of Library and Information Sciences, Jillian had worked at the Lilly Library as a Public Services Assistant before starting her work as a Curatorial Assistant. "The skills I have learned at SLIS, such as preservation, conservation, and how to increase user accessibility, have been invaluable in my work with the collection," Jillian said. "These are issues that apply not to just rare books and manuscripts, but to all special collections. And I can't think of a more special collection than this!"

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## Majority Report

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### INDIANA UNIVERSITY

The majority of students enrolled at IU Bloomington are women, who constitute 52.3 percent of the student body.

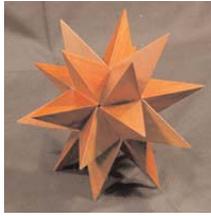
### From the Editor

OWA's annual call for nominations of the "Distinguished Scholar Award" and the "Outstanding Staff Award" will be arriving in your mailboxes in early December. Please consider nominating a colleague for these prestigious awards. This year's deadline will be February 28, 2007; and the ceremony will be held on Friday, March 23, 2007 in the University Club at the IMU.

This fall we will continue the Women in Science Distinguished Lecture Series. We encourage you to watch the OWA/WISP web site, your department bulletin boards, and your email announcing upcoming speakers and events

Over the summer progress was made in securing and renovating space for a lactation room in the Kelley School of Business. We are continuing plans in placing lactation rooms in other centralized areas. Please watch our web site for an announcement of its availability.

Linda McCammon  
Editor



*continued from page 1*

While work this last summer has primarily been focused on acquiring the first installment of the collection and preparing for the grand-opening which occurred on August 2nd, Jillian will begin more projects involving outreach, events planning, and exhibitions this fall. Plans are to begin preparing for ways to make the puzzles more accessible to visitors through the Lilly reading room, and bringing puzzles out into the local community. Work with community organizations like Girls, Inc. could promote young women to pursue careers in the math and sciences.

The collection will also be used in tandem with at least one university class this fall, with the hope that more professors will begin employing the puzzles in their curriculum over time. As the collection grows, and a full time curator is in place by the end of July, 2007, more activities and events will be planned.

## Puzzles in the Classroom

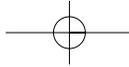
Puzzles require a set of problem-solving skills often associated with some of the more complex issues that face us in our everyday lives, from school and work, to managing relationships and planning a family vacation. Understanding how pieces fit together, visualizing the minute steps necessary to reach a solution, and the overwhelming sense of satisfaction received upon completion of a puzzle all mimic many of the daily tasks and challenges we face every day.

At IUB, several instructors have been using various forms of puzzles, including logic puzzles, cryptograms, and mechanical puzzles, in the classroom for years and with a high level of success. Some examples include Computer Science C211: Introduction to Computer Science, with Professor Suzanne Menzel, and Computer Science C241: Discrete Structures for Computer Science with Professor Stephen D. Johnson.

The practical use of knowledge to solve a puzzle often allows for students to be directly involved in the learning process, invoking knowledge from class to respond to the challenge. With the introduction of the Slocum Mechanical Puzzle collection at the Lilly Library, there has been increased interest in incorporating these fascinating creations into curriculums across campus, from Computer Science to the Social Sciences.

Puzzles not only teach us how to devise strategy and patience, but can often bring to light many aspects of our society, illustrating (quite literally!) the differences and similarities between cultures and thought processes, both of the past and the present. Images created when a puzzle is complete, or strategies needed to solve a puzzle can often define for us some aspects of what people believed and valued in the past.

Over time, the skilled puzzle solver can begin to understand how a specific puzzle maker devised their puzzles and the types of strategies involved in solving them. Similarly, images depicted on a puzzle box, or figures created by the realignment of shapes, can offer great insight into a past gone by.



Perplexity Puzzle by Margaret Richardson entitled A Bad Dream

## 1908: Margaret Richardson Opens Puzzle Business

by Virginia Luehrsen

*When Margaret Richardson opened her "Perplexity" puzzle-making business in 1908, it is apparent from*

*her correspondence that she was merely interested in investing her time and earning pocket change. Yet, this innovator changed the face of puzzle making in America, and her business became so successful, her husband had to quit his own work to assist her in managing her growing company.*

Richardson's story was unique at the time, but not unheard of in the United States. While the story of puzzles goes back to the first wooden maps cut up for the education of school children, the "Puzzle Craze" in America saw the rise of female entrepreneurs who designed, cut, and marketed puzzles throughout the country and abroad.

Especially in times of financial necessity, the making of jigsaw puzzles was seen as an acceptable, if not

natural, profession for many women across the country. In particular, times of economic depression, such as 1907-1910, and the 1930's, were moments when puzzles not only gained in popularity as people tried to escape a harsh reality, but women gained respect for their business sense and creativity.

For centuries, puzzles have educated, fascinated, and frustrated people from all age groups and all walks of life. They range from the simple to the elaborate, presented as squares, circles, jagged edges, even 3-D objects for hours of amusement and consternation.

So, what makes puzzles so attractive to the preschooler and the busy professional alike? Why do so many people spend countless hours bent over a table, muttering to themselves, oblivious to the world around them, as they try to fit in just one more piece? A recent book, *The Jigsaw Puzzle*, by Anne D. Williams endeavors to answer these questions, and bring together the pieces of the story about one of America's favorite pastimes.

According to Williams, putting together a puzzle can bring puzzlers a sense of accomplishment for building something with their own hands, pride in their ingenuity to solve the problem to full satisfaction, and an overwhelming sense of achievement when the puzzle is completed.

This is, of course, in contrast to many of life's other problems and challenges, for which there may not be an ultimate or correct solution. The jigsaw puzzle offers an affordable and widely acceptable escape from the difficulties and uncertainties of life. Because of this, it is no surprise that the puzzle has seen its finest days during some of the darkest hours of our nation's history.



Perplexity Puzzle by Margaret Richardson entitled God Rest You Merry Gentlemen

### Supplemental Problem

Supplemental Problem. You are on an island-hopping Caribbean cruise. Each day your cruise ship docks at a different island where you spend the day touring. At one stop the local culture pamphlet explains that the inhabitants descend from two different tribes. Members of one tribe always tell the truth. Members of the other tribe always lie. Tribes members can be distinguished by the distinctive clothing they wear, but the pamphlet doesn't describe the difference.

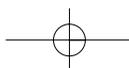
After a day of sight-seeing, you loose track of time and discover you are late for your ship's departure! You are thus in a real hurry to get back to the dock. Unfortunately, you become disoriented. Reaching a fork in the road, you do not know whether to go left or right.

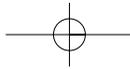
Two inhabitants are standing by the road. They are differently dressed, so you know that one is from the truth-telling tribe and the other is from the tribe of liars. However, you don't know which is which. In the distance, you hear your ship sounding its horn. It's just about to leave! There is only time to ask one of the inhabitants a single question.

Question: Can you find out which way to go to reach the dock most quickly?

Comment: Aren't you glad to be thinking about this now instead of when it actually happens? Keep track of the time you spend on this problem.

Submitted by Professor Steven D. Johnson, Computer Science Department





## Sarita Soni Named to 50 Most Influential Women in Optical

"If your heart is in exploring what is out there - explore! Then again, there is nothing wrong with focusing if you do know what you want to study."

Sarita Soni has been an explorer all her life, seeking out new paths and opportunities, and today is no exception.



However, she attributes her success not just to her own inherent curiosity, but to the supportive people and environment with which she has actively surrounded herself her entire career.

Since coming to Indiana University, Sarita has achieved great success, both as a scientist and as an administrator. Named one of the "50 most influential women in optical" this past July by Vision Monday, Sarita has also served on the National Advisory Eye Council of the National Institutes of Health (1999-2003) and the Ophthalmic Devices Panel of the Federal Drug Administration (1994-97; consultant 1998-2003). These accomplishments are in addition to her most recent activities as Vice Provost for Research at IUB.

Credit: John Herrin

Sarita grew up in Nairobi, Kenya, where she was always curious about the geography around her. "My mother always said 'you'll be jack of all, master of none.'"

However, Sarita never seemed to mind her mother's comment. In fact, Sarita has found this trait to be very helpful in her work in the interdisciplinary sciences, as well as her roll as an administrator.

While working on her undergraduate studies in England, a female physics teacher was the one who helped Sarita become excited about physics, though it was, perhaps, not at the time Sarita's strongest subject. "She was the brightest female I had ever met, and she said I could do anything I wanted to do."

Encouraged, Sarita decided to follow the path from physics into optics, and went into practice for two years. While practicing, Sarita became curious about the problems and concerns she encountered with her patients. She decided to come to the United States to obtain a graduate degree in pathology and work with methods of differential diagnosis. At the time, Sarita was one of the first women in Opthamology at IUB.

Sarita stresses the importance of surrounding yourself with people who will support you, and acknowledging that no one can be entirely successful on their own. "Seek a supportive environment, but be aware that you are a part of that environment. Don't be self-centered. Each one of us can effect change around us."

It is important, as part of seeking support, for a woman to have a mentor to help her as she makes decisions and tries new things. Sarita emphasizes the fact that a woman's mentor doesn't need to be another women, just an equal partner with whom she can be open minded, and not be afraid to ask for help. Throughout her career, Sarita acknowledges that she has had excellent mentors, but all of them have been men.

As a scientist and an administrator, Sarita is concerned about the low numbers of women involved in the sciences at the graduate and professional levels. While there has been a slow and steady increase in the number of female students in the sciences, there are still far less women than men in these graduate programs. Sarita would like to see young women not be dissuaded by a few negative comments or experiences, but rather explore their options and seek out a supportive environment.

With a supportive environment in place, Sarita encourages every woman to learn what they want to do, and discover what their passion and potential is. "Every step of the way, you come to a crossroads. One side is comfortable and easy. The other side will lead to risk. Don't always take the side of risk, but weigh each option and follow your heart. Every step is a journey, not something we plan. We have to be flexible to be prepared when things arise."

WRONG  
+ WRONG  
-----  
RIGHT

What numbers for the letters (all different and no zeros) make two 'wrongs' a 'right'?

Submitted by Professor Mehmet M. Dalkilic, School of Informatics

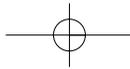
### The "12-Pill" Problem

A man (or woman) is convicted of a crime and sentenced to death. He pleads to the Judge for a chance to save himself. The Judge produces a vial containing 12 pills, saying, "Eleven of these pills are poisonous; you will die within minutes of taking one of them. The twelfth pill is non-poisonous. All pills are identical in every respect, except that the non-poisonous pill has a different weight than the poisonous ones. I will give you three tries with a balance scale, after which you must take one of the pills."

Question: What are the best odds the man will survive this test?

Answer: If he's smart enough, he is certain to survive.

Submitted by Professor Steven D. Johnson, Computer Science Department



## Rules for Women

by Virginia Luehrsen

On any given Tuesday night after 10 pm, you'll find hundreds of male and female students browsing the stacks, working on homework, or chatting with friends at the Wells Library. What a strange site this would have been 60 years ago!

In 1966, female students at Indiana University petitioned to have the university relax its rules pertaining to social hours, out of town travel, and other restrictions imposed on young women attending college. For almost 90 years, rules for female students had been in place on campus regulating anything from absence from classes and drinking, to overnight travel and approved time for "men callers."

The rules were for all female university students regardless of their living arrangements - on campus or in the Bloomington community (though hour restrictions were not imposed on graduate students living in graduate housing).

Some rules of note were found in the IU archives, dating from 1950:

-Women must be in places of residences by 10:30 pm every night except Wednesday, Friday, and Saturday. 11:30 pm Wednesday nights. 12:30 am Friday and Saturday nights.

-A woman student may have five permissions to stay overnight with a woman student or relative in the city of Bloomington. Overnight visits require permission from the head of household. (Many students also needed parental consent)

-Women may not go to men's rooming houses, clubs, or fraternity houses without a chaperon who has been approved by the Student Activities Office.

-In the interest of their own safety, women students should not be out alone after dark in the city or on the campus.

To the woman of today these rules seem to be an amazing example of a double-standard; however, they persisted more or less unchanged on this campus until less than 40 years ago.

On September 15th, 1966, acting Dean of Students, Robert H. Shaffer released the following statement to all university faculty, staff, and students.

"Indiana University today extended to women of the junior class late sign-out privileges previously limited to seniors and 21-year-olds...late sign-out privileges may be earned by all undergraduate women students 21 years of age and over and by those under 21 who have junior or senior class standing and who have written parental consent...Upon their successful completion [of freshman and sophomore years], the woman student is ready to show her ability to establish her personal rules for good studentship and citizenship. If she fails in either, of course, she loses her privileges."

A far cry from the eradication of rules the campus women sought, it was another inch given in the battle for women's rights and respect. Still, the personal comings and goings of campus women were considered a privilege, not an implicit right. It makes us realize how far we have come, and how far we still have to go as a society.

## Women in the Workplace Conference 2006

~~ Bringing it Together ~~ Career and You by Linda McCammon

The annual *Women in the Workplace Conference* will be held on Friday, November 10th at Chapman's Restaurant and Banquet Center.

Over the summer I have tried to design a day that will put forward something of interest for everyone. Our guest speaker will be Donna Burkhardt, of UHRMS, who will be speaking on "Humor in the Workplace." Donna designs and conducts seminars for IU staff on a wide range of professional development topics and before joining IUB she was a training professional in the private sector. She has had the opportunity to laugh in many different languages and learned early in her career "Laughter is definitely the best medicine."

One of our favorite sessions is the 3-Woman Panel. This year we have asked Karen Adams, OVPIT, Pam Freeman, Associate Dean of Students, and Kathy Bayless, Director of the CRS to discuss their success at IUB. John Horner from Travel Management Services will hold a question and answer session; and Ray Ruark will provide information on the correctly designed work station while Debbie Harris will give us some tips on stress management in the office with yoga. Wayne McClain will talk about investing in your future and Sgt. Leslie Slone will discuss personal safety for women across campus. To conclude the day a nail specialist, skin care specialist, and a stylist, from Mira, will spend the last hour discussing their individual areas and letting us in on the secrets of their trade.

Come join us for the day. If you have not sent in your reservation you still have time. Contact me at [lmccamm@indiana.edu](mailto:lmccamm@indiana.edu) or by phone 855-3840 to make your reservation.

## NEW WOMEN FACULTY Bring Diverse Talents to IU

Every year Majority Report highlights new women faculty at IU. We're pleased to report that 48 new tenure-track women academics have joined the IU Bloomington faculty this year. We will highlight profiles of them over several issues.



Brenner



Brown



Kübler



Brooks

**Brenda Brenner**, Associate Professor in Music Education, received her M.M. (1986) and D.M. (1990) in Violin Performance from the Eastman School of Music of the University of Rochester. She continues a long association with the IU School of Music, where she has served since 1993 as Assistant Professor of Music (Violin) and Assistant Director of the IU String Academy. In addition to her appointment in music education, she will continue as Assistant Director of the IU String Academy.

**Candy Gunther Brown**, Associate Professor in the Department of Religious Studies, received her Ph.D. from Harvard University in 2000. Her current research examines the rise of diverse modes of spiritual healing in the twentieth century and their creation of new locations, practice and networks of holiness. Her book *The Word in the World: Evangelical Writing, Publishing, and Reading in America, 1789-1880* describes the rise of an evangelical print culture in the nineteenth century.

**Sandra Claudia Kübler**, Assistant Professor in the Department of Linguistics, received her Ph.D from the University of Tubingen (Germany) in 2003. She has spent the last three years on the faculty there teaching computational Linguistics. She is the author of *Memory-Based Parsing* (John Benjamins, 2004). Her areas of research specialization within computational linguistics include machine learning of natural language, memory based learning and corpus linguistics.

**Kathryn Brooks**, Assistant Librarian for French and Italian, Germanic Studies, Classical Studies, and Comparative Literature, received her M.L.S. and M.A. in Modern German Literature and Culture from Indiana University. Prior to accepting this position, she was a Library Associate for West European Studies libraries at Indiana University.

**Yoon-Jin Lee**, Assistant Professor in Economics, received her B.A. from Yonsei University (Korea), her M.A. in Economics from Tokyo University, and her Ph.D. from Cornell (2006). Her dissertation is entitled "Generalized Spectral Based Specification Testing for Series and Dynamic Panel Data Models." Her primary research fields are time series econometrics, panel data econometrics and financial economics.



Lee



Martinez



Roos

**Paulette Lloyd**, Assistant Professor in the Department of Sociology, received her Ph.D in Sociology from the University of California at Los Angeles in 2005, where she was a Mellon Fellow from 2000 to 2003. Her research interests include globalization, social networks, political sociology, social movements, comparative and historical sociology, and the role of the United Nations in fostering human rights and international development and addressing inequality within and between macro-regions.

**Shu Tian Cole**, Associate Professor in Recreation, Parks & Tourism, School of Health, Physical Education & Recreation, received her Ph.D in Recreation, Parks and Tourism from Texas A&M University in 1998. Her research focuses on tourist behavior and survey research methods. Before coming to Indiana University she was Assistant Professor in the Department of Parks, Recreation, and Tourism at the University of Missouri - Columbia.

**Sylvia Martinez**, Assistant Professor in the Department of Educational Leadership and Policy Studies in the School of Education and the Latino Studies Program, received her M.A. and Ph.D. in Sociology from the University of Chicago. She has published and presented articles on barriers to educational opportunities for Hispanics in the United States as well as classroom experiences and patterns of disengagement among Hispanic and Mexican American students.

**Julia Roos**, Assistant Professor in the Department of History, received her Ph.D. from Camegie Mellon University and taught at the University of Minnesota before coming to Indiana University. Her specialties include modern European history, German history and culture, and the history of sexuality. She is the author of several articles and is currently writing a book on the history of prostitution in Germany during the Weimar Republic.

**Irina Stefanescu**, Assistant Professor of Finance in the Kelley School of Business, received her B.A. in Business Administration at the Academy of Economic Studies in Bucharest, Romania, her M.A. in Economics from the University of Tennessee, Knoxville, and her Ph.D. in Finance from the University of North Caroline at Chapel Hill. Her research and teaching focus on corporate finance, capital structure, valuation, taxes, financial reporting, mergers and acquisitions.

**Marieke Van Pymbroeck**, Assistant Professor of Recreation, Parks & Tourism in the School of Health, Physical Education & Recreation, received her Ph.D. in Rehabilitation Science from the University of Florida in 2004. Her research interest include enhancing quality of life for caregivers and individuals with disabilities. She has been a Certified Therapeutic Recreation Specialist since 1994 and has work experience with psychiatric, geriatric and rehabilitation populations as a recreation therapist.



Stefanescu



Van Pymbroeck



Frazier

**Lessie Jo Frazier**, Assistant Professor in the Department of Gender Studies, has published on gender, nation-state formation, human rights, mental health polices, memory, poetics, activism and feminist ethnography. Her teaching includes courses on transnational feminisms; gender, race and the exotics of imperialism; gender and sexuality in Latin America; theories of gender and sexuality; feminist perspectives on warfare and militarism; methodology; and gender and human rights. Research Scientist in the Indiana University Biology Department in 2001, she became Assistant Professor in 2005.

**Theresa M. Winge**, Assistant Professor in Apparel Merchandising & Interior Design, received her Bachelor's degree in Apparel Design, Masters of Liberal Studies, and Ph.D. in Design, Housing, and Apparel from the University of Minnesota. In recent years, Winge's research has focused on the socio-cultural aspects of handcraft groups, as well as subcultures that utilize dress inspired by anime and manga, such as cosplay and the Lolita subculture. Currently, Winge teaches fashion design studios, fashion theory and computer aided design.

**Susanne Even**, Assistant Professor in Germanic Studies, received her Ph.D. in German Language Teaching Research from University College Cork in Ireland. Her book *Drama Grammatik* (Munich: iudicium) was published in 2003. Her research interests include second/foreign language pedagogy, teacher training, innovative teaching approaches, drama in education for foreign-language teaching and learning, intercultural and multilingual competence, bilingual novels and curriculum development for higher education.

**Xinxin Hu**, Assistant Professor in the Kelley School of Business, received her Ph.D. in Operations Management from the University of Michigan - Ann Arbor in 2006. Her current research focuses on the effects of competition on efficiencies of supply chains, management of information in supply chains, management of uncertain capacity and demand and management of distribution systems.



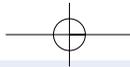
Even



Hu

## Emergency Babysitting List Available

Contact Linda McCammon at [lmccamm@indiana.edu](mailto:lmccamm@indiana.edu) or by phone at 812-855-3840



Throughout this issue of the Majority Report, you'll find puzzles you can use to test your own logic and patience. Answers to these puzzles were not provided by the submitting professors.



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## The Majority Index

file:///C:/p/.../www/rd114



The average cost of a 300-piece, cardboard puzzle in 1932 was \$0.25.

The average cost of a 500-piece, cardboard puzzle in 2006 is \$10.99.

The world's largest completed puzzle measured by number of pieces has 209,250 pieces.

The world's largest completed puzzle measured by surface area is 51,484 square feet.

50% of the wives of male faculty at universities work outside the home.

90% of the husbands of female faculty at universities work outside the home.

Females make up 15% of full time professors in the life sciences at leading research universities.

Sources:

Lawler, Andrew. "Universities Urged to Improve Hiring and Advancement of Women." Science. 313 (22 Sept. 2006): 1712.

Guinness Book of World Records 2004 (for 2003).

Williams, Anne D. The Jigsaw Puzzle. New York: Penguin, 2004.

