

Fall 2007

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FALL 2007

HORIZONS

THE MAGAZINE OF NOVA SOUTHEASTERN UNIVERSITY



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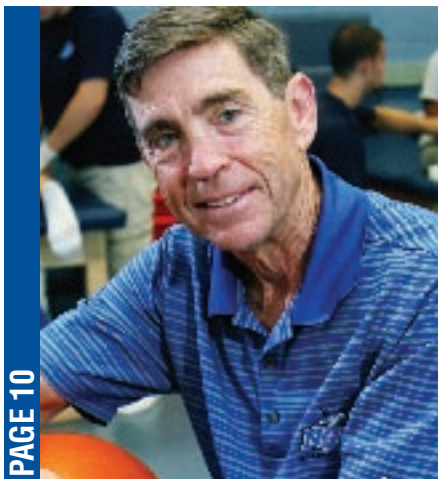
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To the Friends and Family of NSU:

Education has a rippling effect that changes our world. By its very nature, education inspires motivation, ingenuity, empowerment, and a pioneering spirit. At Nova Southeastern University, fostering these qualities is an integral part of our mission and curriculum. It is what sets us apart from other institutions of higher education.

As we continue to grow, it is evident through our groundbreaking initiatives, community partnerships, and the accomplishments of our students and alumni that we are succeeding in inspiring that pioneering spirit. This is a running theme throughout this edition of *Horizons* magazine.

Our feature article, "The Library of Tomorrow—Today" is a sterling example of how the Alvin Sherman Library, Research, and Information Technology Center has changed the face of NSU and South Florida, as well as the mission of libraries around the world. As the only joint-use facility in the country partnering a public library with a private university, the Alvin Sherman Library is a central hub for education, research, and culture for the university and community at large.

The story of alumnus Jerry Hollingsworth, Ed.D., an advocate for the homeless children in Latin America, demonstrates the power of a pioneering spirit in improving quality of life. His most recent work, dedicated to helping the homeless children in Peru has gained the attention of that country's government, as well as international support. Hollingsworth is a doctoral graduate of the Fischler School of Education and Human Services and is one example of the multiple contributions made by NSU's distinguished alumni.

Other stories you will encounter in this issue of *Horizons* speak to our continued efforts in providing our campus community with access to renowned leaders in their respective fields. The "Spotlight" section highlights Donald E. Riggs, Ed.D., and Larry Starr, M.Ed., two individuals whose educational backgrounds, while very different, are legends in their respective fields of library sciences and athletic training.

You will also read about the university's continuing efforts in addressing current issues in health care, consumer protection, criminal justice, environmental stewardship, and bioterrorism and all-hazards preparedness.

Horizons magazine is a forum showcasing the commitment to academic excellence, research, and achievements of the NSU family. The stories contained here are a small sampling of the pioneering spirit demonstrated by our students, academicians, alumni, researchers, staff members, donors, and partners whose contributions set the bar for others to achieve. I thank you for your ongoing dedication and support to NSU.

Ray Ferrero, Jr., J.D.
President/CEO, Nova Southeastern University

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academic notes

THE STOLZENBERG-DOAN FAMILY ENDOWMENT

James E. Doan, Ph.D., has spent almost 20 years teaching and working at NSU. As a professor in the Division of Humanities at the Farquhar College of Arts and Sciences, he has seen firsthand the tremendous strides NSU continues to make in terms of the education provided to students.

Recently, Doan created the Stolzenberg-Doan Family Endowment to support the college's international studies major. Named to honor the memory of his grandparents, Helen M. and Joseph J. Stolzenberg, and his mother Marilyn J. Doan, his vision is global, "to share with NSU undergrads the ability to spend time abroad studying the languages and cultures of other nations. Also, I think a greater understanding of other nations might alleviate some of the problems we find ourselves in today as Americans."

Don R. Rosenblum, Ph.D., dean of the Farquhar College of Arts and Sciences, stated "Establishing this endowment has been a very special experience for many people. Jim has sought—and found—a lasting way to memorialize and celebrate the values and gifts from family members who were important in his life. The endowment will result in scholarships and lectures that will communicate those values to students and faculty members far into the future. I applaud Jim for his gift both for the impact to students and for the statement he makes acknowledging the important role of heritage, values, and memory."



(L-R) James E. Doan, Ph.D., is recognized by Don R. Rosenblum, Ph.D., dean of the Farquhar College of Arts and Sciences.

The endowment is structured to include an annual lecture series and financial assistance for use in study-abroad courses taught or sponsored by the Farquhar College of Arts and Sciences faculty members. For additional information, students may contact Kirk Berner at (954) 262-7918 or kirk@nova.edu. ■



CENTER FOR BIOTERRORISM AND ALL-HAZARDS PREPAREDNESS READY TO SERVE

NSU College of Osteopathic Medicine's Center for Bioterrorism and All-Hazards Preparedness (CBAP) is quickly rising to preeminence. CBAP has evolved into a national hub, providing all-hazards training and education throughout the nation to health and school professionals, students, and the public.

As one of only seven national centers of its kind, CBAP partnered with Broward Community College to provide training to health professionals who require two years or less to earn their degrees. CBAP is committed to developing a national model for all-hazards preparedness training, which includes all emergencies and safety on college campuses. Programs are presented online, on CD, and live.

To learn more about the center's activities, please visit CBAP online at www.nova.edu/allhazards. ■



academic notes

MAILMAN SEGAL INSTITUTE FOR EARLY CHILDHOOD STUDIES: BUILDING LITERACY ONE CHILD AT A TIME

Building Literacy, a project aimed at transforming at-risk child care centers into literacy-rich environments for young children birth to five years of age, is funded through the A.D. Henderson Foundation, Inc. The project has made a life-changing impact on the caregivers, children, and their families at three centers within Broward County: Kids in Distress, Jack & Jill Children's Center, and Children's World South.

The three centers participated in the two-year research and training project that is part of the Mailman Segal Institute's Moran Community Outreach Initiative. The program, which has touched more than 350 children, built literacy skills, enhanced parent involvement, and trained and mentored teachers in best practices in early literacy. Early outcome data suggests centers and teaching practices were transformed, resulting in children who were better prepared for kindergarten and beyond.

"The purpose of the intervention was to ensure that children are provided with the skills necessary for successful matriculation into kindergarten. The project surpassed expectations to such an extent that the A.D. Henderson Foundation has agreed to fund the development and dissemination of a toolkit designed to help other non-participating center directors transform their programs in a similar fashion," said Lorraine Breffni, M.Ed., director of Early Childhood Programs at the Mailman Segal Institute. "Research tells us that children who are behind in reading in first grade are 88 percent more likely to be behind their peers in third grade. This is a critical issue."

The initial phase of the Building Literacy Toolkit is expected to be completed by August 2008. If outcomes of the toolkit are positive within Broward County, the Toolkit is slated to be distributed nationally by August 2009. ■

EXECUTIVE LEADERSHIP PROGRAM OPENS DOORS TO LAW ENFORCEMENT OFFICIALS

NNSU's Criminal Justice Institute, the Broward County Sheriff's Office, and the Sheriff's Foundation of Broward County recently formed a partnership to cooperatively develop educational, research, and service programs related to public safety.

A signing ceremony that took place on campus in early spring marked the first time the three entities have come together to form an educational partnership. These programs provide advanced leadership training for senior and supervisory public safety officers, access to NSU's bachelor's and master's degree programs in criminal justice, and shared resources in the development of training and research programs specifically related to meeting the needs of the criminal justice and public safety communities.

A direct result of the agreement was the development of an executive leadership program that took place over the summer. The 15-week program focused on the development of key leadership competencies. Topics of study included budget and finance, leadership practices, organizational behavior, performance management, emerging technologies, and strategic management.

A total of 33 participants from more than 25 public safety entities throughout Broward and Dade counties were enrolled. The program gives participants a choice to work toward the Executive Leadership Certificate or earn undergraduate- or graduate-level credits toward a degree. New programs are in the works. ■



VIRGIN SHARK BIRTH PHENOMENON: NSU SCIENTISTS DISCOVER HAMMERHEAD CAN REPRODUCE WITHOUT SEX

The Guy Harvey Research Institute (GHRI) at NSU's Oceanographic Center made worldwide headlines when it released its findings of a virgin shark birth. The institute's scientists—led by Mahmood Shivji, Ph.D., GHRI director, and Demian Chapman, then a GHRI graduate student—teamed up with colleagues from the Queen's University Belfast, UK, and the Henry Doorly Zoo in Nebraska to investigate the unexpected birth of a baby hammerhead shark in the zoo's aquarium in 2001. This birth was puzzling because none of



Photo credit: Henry Doorly Zoo

the three candidate mothers in the tank had been exposed to male hammerheads since their capture more than three years earlier.

By developing and using DNA profiling techniques, the researchers were able to examine the genetic makeup of the sharks and identify the actual mother. The extraordinary discovery, however, was that the baby shark's DNA only matched up with the mother's—meaning there was no DNA of paternal origin in the baby shark. This unusual form of reproduction, known as “parthenogenesis” (Greek for “virgin birth”), is only seen infrequently in some vertebrate groups such as birds, reptiles, and amphibians. However, it had never before been observed in sharks and raises concerns about producing reduced genetic diversity in shark populations if



Photo credit: Demian Chapman, graduate student, GHRI

parthenogenesis becomes more prevalent in the wild due to shark overfishing.

The research team's paper was published in the British Royal Society's scientific journal, *Biology Letters*, in May 2007 and was covered in more than 400 media venues worldwide, including *The New York Times*, *National Geographic*, *Time* magazine, NPR, and the BBC. ■

BAPTIST HEALTH SOUTH FLORIDA OFFERS NSU 80 NURSING SCHOLARSHIPS

Florida needs nurses. In fact, the Sunshine State will need an additional 41,584 registered nurses by 2011, according to the U.S. Department of Health and Human Services.

That's why NSU and Baptist Health South Florida joined forces in May to provide 80 full scholarships to entry-level nursing students. The free tuition is offered to students who pursue a bachelor of science in nursing degree at NSU's nursing program at South Miami Hospital.

“This strong partnership will provide a steady pipeline of nurses for South Florida, especially Miami-Dade County,”

said Diane Whitehead, R.N., M.S.N., Ed.D, NSU's associate dean of nursing.

The scholarships will be awarded to students who have at least 30 college credits and are accepted into NSU's nursing program. They will be given to new nursing students each year.

Scholarship recipients will be able to complete their degrees in 27 months. After graduation, they will have guaranteed jobs for the next three years at one of Baptist Health South Florida's hospitals. ■

around campus

UNIVERSITY SCHOOL SPREADS ITS WINGS WITH DAUER MIDDLE SCHOOL EXPANSION

University School of NSU celebrated a piece of history in January with the opening of the new wing of the Dauer Middle School. The \$3 million project gives staff members and students an additional 12,341 square feet in which to learn. The project is a critical step in the reconfiguring of the University School campus.

"Today is about moving forward and keeping up that momentum," said Steven Blinder, division director of the middle school. "The new expansion to the school presents major opportunities for our students and faculty members."

The new addition is composed of an 880-square-foot expansion of the cafeteria and a new east wing of five classrooms, including two science labs. All classrooms are equipped with wireless systems and video capability and have state-of-the-art computers and printers, plus multimedia projectors and retractable screens. The centerpiece is a 4,715-square-foot multipurpose room and theater that can accommodate more than 500 people. It serves as the official site for theatrical productions, assemblies, and guest speaker appearances.

The official ribbon cutting took place in the year-round courtyard, which will be an awning-covered area upon completion. In the next two to three years,

administrators are planning a major renovation of the school's campus and facilities, which sit primarily in the southwestern part of NSU. ■



RIBBON CUTTING: School administrators, parents, and students gathered on January 4 to cut the ribbon on the \$3 million wing at the Dauer Middle School. Jerome Chermak, school headmaster, wields the scissors as students and school administrators look on. (Front row, from left: David Roberts, Zachary Sturman, Brian Oldak, and Robert Menconi; back row: Steven Blinder, Steven Blattner, Rick Bell, Aaron Churba, Rori Kotch, and Hayley Jackowitz)

NSU AWARDED \$2 MILLION GRANT TO TRAIN FLORIDA SCIENCE TEACHERS, BOOST FCAT SCORES

Nova Southeastern University joined the Manatee County School District in a statewide effort to train 2,500 science teachers in low-performing schools to help students improve FCAT (Florida Comprehensive Assessment Test) scores. About two-thirds of the 5th, 8th,

and 11th graders who took the 2006 FCAT Statewide Science Test received the equivalent of D and F grades, according to the ScienceMaster grant application.

The school district received a \$2 million grant late this summer from the U.S. Department of Education for the training. NSU is partnering with the Department of Education, Embry-Riddle Aeronautical University, the Florida Independent College Fund, and the Florida Learning Alliance to provide the ScienceMaster Program to teachers in Manatee County, in 25 rural counties, and at the Florida School for the Deaf and Blind. The ScienceMaster program will develop five online tools for science teachers that will be tested in the 71 Manatee schools, with a secondary demonstration in the rural districts and the School for the Deaf and Blind.

"I think, when you get teachers excited about content knowledge, they will ultimately translate that knowledge to their students. And that translates into higher FCAT scores," said Shelley Green, Ed.D., dean of human development and family services at NSU's Fischler School of Education and Human Services. ■



NSU HOME TO GUY HARVEY'S LARGEST MURAL

Renowned marine wildlife artist Guy Harvey, Ph.D., unveiled his largest mural at the new University Center. Measuring 40' x 175', the mural towers over passers-by, and features 19 different species of shark—the university's mascot—as well as stingrays, fish, and coral.



Giving the mural a three-dimensional experience are the life-size fiberglass mounts of various shark species. The permanent installation also includes two smaller shark murals measuring 50' x 40' and 25' x 50'.

Harvey flew in from his home in the Cayman Islands earlier this year to put the finishing touches on the mural and add his unmistakable signature. During the much anticipated unveiling ceremony of the mural installation, Harvey added to the day's excitement by presenting NSU with a gift in the amount of \$96,301.32 for research operations at NSU's Guy Harvey Research Institute (GHRI).

Guy Harvey and NSU have an established relationship that goes far beyond the creation of this mural. NSU's Oceanographic Center is home to the GHRI. The institute was established in 1999 as a collaboration between the renowned marine artist and biologist and NSU's Oceanographic Center, assuming a leadership role in providing the scientific information necessary to understand and save the world's fish resources and biodiversity from drastic, ongoing declines. GHRI is one of only a handful of private organizations dedicated exclusively to expanding the scientific knowledge base needed for effective conservation of fish populations and maintenance of fish biodiversity. ■

NEW COMMONS RESIDENCE HALL COMBINES FUNCTIONALITY WITH PERSONALITY

On August 17, 2007, The Commons, the newest residence hall at NSU, opened its doors. This state-of-the-art living/learning community includes 525 beds, 5 classrooms, 2 conference rooms, 16 community living rooms, 16 study rooms, the offices of Residential Life and Housing, and plenty of indoor and outdoor programming space.



The Commons is unique and dynamic because of the way it incorporates communities within the residential community. All 16 of the community living rooms and study rooms have comfortable furnishings, creating unique spaces for students and groups to conduct study sessions and group meetings, or just congregate with friends. The floor

plans provide students with an opportunity to choose between single or double room options.

Of the 16 communities, 10 are reserved for returning and incoming residents. The remaining six communities are based upon themes and academic initiatives. Developed by the 2006–2007 residential population, each uniquely named community was designed to increase involvement academically and socially. They are

- Sorority-Themed Community (The Sisterhood)
- World-Themed Community (Global Village)
- Leadership-Themed Community (LEAD)
- Quiet-Themed Community (Quiet Corridor)
- Business and Entrepreneurship Living and Learning Community (Executive Suites)
- Wellness-Themed Community (The Well)

The Commons is equipped with a card access security system for suite rooms, key access for individual rooms, a building surveillance system, and 24-hour security. Residential Life and Housing will provide free laundry and wireless Internet access, as well as a 42-inch plasma television with a DVD and a VCR player in each community living room. ■

A CAREER THAT SPEAKS VOLUMES

BY RICH ACKERMAN



(L–R): NSU President Ray Ferrero, Jr.; *Circle of Friends* Past President Mary Riedel; Vice President for Information Services and University Librarian Dr. Donald E. Riggs; and *Circle of Friends* Past President Gail Kaplan.

Donald E. Riggs, M.L.S., Ed.D., has never been one to approach things by thinking inside the box. As an icon in the field of library management—where organization, consistency, and silence are golden—Riggs’s celebrated career among librarians is greatly due to thinking outside the box.

Take, for instance, his first job as an educator. When the high school principal entered the classroom where Riggs was teaching biology and told him “We need a librarian,” Riggs replied with a characteristic, “Sure!”

From his current post as vice president for information services and university librarian at Nova Southeastern University, Riggs reflects on a library career filled with opportunities and accomplishments. He describes his career path with self-effacing modesty. Pointing to bound volumes on the shelf behind him in his office at the Alvin Sherman Library, Research, and Information Technology Center, he quietly describes how he was founding editor of the *Library Administration and Management Journal*, editor of *Library Hi Tech*, editor of *College and Research Libraries*, and served on the editorial board of the *Journal of Library Administration*.

An intricate collection of knick-knacks from China, Hong Kong, Germany, India, and many other countries

summon up the assortment of international talks, collaborations, and consulting services that serve as bookmarks in his 43-year career.

How did this self-described “hick from West Virginia” construct technology-enhanced library facilities, inspire a generation of library leaders, publish prolifically, lead volumes of professional organizations, and consult actively around the world? As Riggs describes it, “I have always had a passion for service and a desire to lead.”

By age 22, he was teaching, administering, and serving as a librarian—roles he continues to fill. While performing these duties, he earned a master’s degree in education administration from West Virginia University.

Riggs thinks his early start fueled his career.

In 1968, Riggs moved to a position as science and economics librarian at California State College in Pennsylvania, about 35 miles from University of Pittsburgh, where he acquired his master’s degree in library sciences (M.L.S.).

“The economics exposure allowed me to gain a deeper appreciation of business management, which I later expressed in a series of books I wrote integrating library management with business practice,” Riggs said.

Over the course of his career, management practices came in and out of style, but one of his favorites, strategic planning, is still widely used. He recalls the fads, “Zero-Based Budgeting, Management by Objectives, Total Quality Management—all of them, they come and go. But strategic planning is still here.”

His 1984 book, *Strategic Planning for Library Managers*, marked the first time that topic was developed in a book for librarians. Strategic planning is an ongoing process through which library leaders articulate courses of action for attaining institutional goals and objectives. It’s the best process, he believes, for managing change in libraries. Soon after taking his current position at NSU, Riggs initiated a strategic planning process.

Susi Seiler, director of technical services, already had a strategic plan for her section. When he asked her about it, she laughed and said, “I read your book!”

Riggs also led the development of literature and practice of leadership in librarianship. *Library Leadership, Visualizing the Future* was the first book on leadership published for librarians. He still lectures on leadership, inspiring the next generation of library leaders by sharing his experience.

In 1970, after receiving his M.L.S., Riggs moved back to West Virginia. After three years of instructing and serving as library director at Bluefield State College, he took on the challenge of merging the libraries of four different schools: Bluefield, Concord College, Greenbrier Community College, and Southern Campus of West Virginia College of Graduate Studies. He then served as library director of the combined consortium. The library administrative setup he created still stands today. This situation of simultaneously working for more than one institution arose several times in Riggs's career.

"It challenges the leader to think synergistically," says Riggs, explaining that combining efforts can result in better library services for all than what could ever be achieved individually.

After earning a doctorate in education from Virginia Polytechnic Institute in 1975, and having spent his entire life in the central eastern United States, Riggs and his family decided it was time for a change. They packed up and headed west.

In Colorado, he was challenged to create a new institution, the Auraria Higher Education Center, by merging staff and collections from three libraries: University of Colorado at Denver, Metropolitan State College, and Community College of Denver. This was successfully accomplished. While serving both as director of libraries and professor at UC—Denver, he took on more professional association work, serving on several regional boards. He began publishing more articles and won election as American Library Association (ALA) councilor-at-large—a long-sought victory.

Riggs moved on to Arizona State University, which grew dramatically in the 1980s. There, he led the construction of four new libraries, while overseeing large increases in staff and collection development budgets. He served on the ALA Publishing Committee, the Association of College and Research Libraries (ACRL), AMIGOS Library Services, and many Library and Management Association (LAMA) committees.

In 1988, a new chapter in Riggs's career emerged. His expertise in library technology was first recognized

internationally when he was invited to present a paper at the First International Symposium on New Technologies and Applications in Libraries in Xi'an, People's Republic of China. He subsequently presented and consulted around the world: Hungary, Australia, Ukraine, Republic of South Africa, and Hong Kong.

Moving to the University of Michigan in 1991 fulfilled one of Riggs's lifetime goals, that of running a "Top Ten" library system. During his six years as dean of university libraries, he merged four science libraries, connected the undergraduate and graduate libraries, and implemented several technology initiatives.

In 1997, Riggs moved to his current post at NSU where he led the planning for the construction of the 325,000-square-foot Alvin Sherman Library—an endeavor that added volumes of collections, books, art, and services to a library that once took up 17,000 square feet in the Parker Building on NSU's Davie campus.

The joint-use facility, serving the university and the public, was built in association with the Broward County Board of County Commissioners and NSU's Board of Trustees to provide public access to a high-quality research library with extended hours.

Riggs's experience in collaborative library administration and working with more than one institution at the same time served him well in the joint venture with Broward County.

On December 31, 2007, Riggs will retire, after 11 years at NSU.

"My 11 years at NSU have been exciting, eventful, and productive," said Riggs. "Without the support of NSU's administration, library staff members, community supporters, and the Broward County Commissioners, this library would only have been a dream."

In Riggs's honor, NSU has established the Donald E. Riggs Scholarship Fund. The fund benefits Alvin Sherman Library employees pursuing master's degrees in library and information sciences.

"Dr. Riggs is a true pioneer in the field of library," said Ray Ferrero, Jr., J.D., NSU president. "His leadership in the creation of the Alvin Sherman Library was paramount in establishing our library system as the centerpiece of academic life at NSU. This scholarship is a legacy to his distinguished career." ■

RICH ACKERMAN IS THE MANAGER OF ELECTRONIC RESOURCES AT THE ALVIN SHERMAN LIBRARY, RESEARCH, AND INFORMATION TECHNOLOGY CENTER.

spotlight

IT'S NOT JUST A GAME

BY FELECIA HENDERSON

In today's academic arena, athletics plays as prominent a role in an institution's recruitment of students (including non-student-athletes) as does the institution's academic programs. Athletic training/sports medicine is a significant component of a modernized athletic program.

Most athletes whether novice, collegiate, or professional, realize that their athletic prowess is no longer based simply on ability. Body conditioning is also a key component. For an athlete, it is critical to understand one's body and the exercises and nutrients necessary to keep it healthy and less prone to serious injury.

Athletes and athletic programs turn to individuals who are trained and certified to assist them in reaching their peak performance levels. An athletic trainer (AT or ATC) is a highly trained and nationally certified individual who is responsible for clients' health and who sometimes has to make quick decisions that could affect the health or career of clients.

The term "trainer" is not to be confused with "athletic trainer." There is significant difference between the two and the terms are not interchangeable.

ATs or ATCs are trained in areas including injury/illness prevention, first aid and emergency care, assessment of injury/illness, human anatomy and physiology, therapeutic modalities, and nutrition. They are required by a governing board to pass a rigorous exam before they are allowed to carry the designation AT or ATC. Beyond these prerequisites, more than 40 states require ATs or ATCs to be state licensed.

NSU has the largest athletic training staff in the Sunshine State Conference and the uniqueness of having a Sports Medicine Clinic in the same facility. Additionally, we have the only Sunshine State athletic department with a full-time strength and conditioning coach and two graduate assistants.

In 2002, Larry Starr was named NSU's assistant athletic director for sports medicine by the athletic director, Mike Mominey. Starr has an extensive background in athletic training and sports medicine. His introduction to the athletic training profession came as a freshman in high school (Carrollton, Ohio) when he became interested in a Cramer Chemical Company summer correspondence course for "student trainers" previously taken by his older brother. After high school, Starr attended Ohio University (OU) and worked under Al Hart, the OU head athletic trainer, who became his mentor.

After working at the university level for three years and completing his master's in education degree, Starr was hired as the head athletic trainer of the Cincinnati Reds Professional Baseball



Club. As he explained it, "Twenty-one years and four World Championships later, I moved to South Florida to become the head athletic trainer of the Florida Marlins. Nine years and one more World Championship later, I retired from professional baseball to take my present position as assistant athletic director of sports medicine at NSU."

HORIZONS: How does your program assist in improving an athlete's performance?

The mission of the athletic trainer is to give the student-athletes the greatest opportunity to perform at their best every day. Although the level of performance is dictated by genetic skills, those skills can be enhanced and maintained

through proper conditioning, good nutrition, and positive life choices. The athletic trainer is there to provide the information and guidance that will allow student-athletes to achieve their goals.

HORIZONS: What is a typical training regimen for a student-athlete? Does it vary depending upon the sport? Does your program include prevention, nutrition, and spring conditioning?

Although similar in many ways, each sport has its unique training and conditioning programs. In addition, each sport has its unique injuries that occur. In baseball, for example, throwing injuries to the shoulder and elbow are the most prevalent problems that require significant preventive programs and treatments. Men's and women's basketball and volleyball have their share of ankle and knee injuries. Women's rowing, with its stress of high repetition activities, causes lower back, hip, and knee concerns. An athletic trainer has to have a basic understanding of the skills and activities that are unique to each sport in order to determine which conditioning, treatment, and rehabilitation programs are best. With this knowledge, preventive conditioning programs, hydration/nutritional concerns, and general health care are better established.

HORIZONS: Tell us about NSU's sports medicine facilities. What's different about our facilities when compared to other area colleges or local professional sports teams?

The new, \$85-million University Center gives us a modern student facility that is the envy of many Division II, if not Division I, universities. The athletic training suite includes offices for the five certified athletic trainers (Jason Palmateer, Dustin Gatens, Amy Reckard, Zevon Stubblefield, and me), as well as a treatment/rehabilitation room equipped with ultrasound, muscle stimulation, diathermy, laser units, and treatment/taping tables. The rehabilitation equipment includes two Upper Body Ergometers (UBEs), a rebound/trampoline unit, and multiple pieces of strengthening and balance equipment.

The suite also includes a fully equipped physician's office that allows for private exams of our student-athletes.

The other part of the athletic training suite is the hydrotherapy room, which includes two whirlpools, freezer for ice cups, a crushed ice unit, and the unique HydroWorx 2000

aquatic pool. The HydroWorx 2000 features an underwater treadmill, two resistant jets, and two underwater cameras to monitor the student-athlete's running gait. The HydroWorx 2000 is the only one of its kind in the tricounty area and one of only a handful in the state.

Also in the University Center is a fully functioning Sports Medicine and Rehabilitation Center. Our team physician, Drew Kusienski, M.D., is in the office Monday through Friday, along with two physical therapists, Eric Shamus and Steve Pfister. The facility has state-of-the-art equipment for physical examinations, diagnostic testing (X-ray, EKG), and physiological testing (VO₂).

In addition, the University Center has a 144,000-square-foot wellness facility that includes strength-training and cardio equipment. Specific programs are developed and supervised by the NSU strength and conditioning coach, René Pena, and his two graduate assistants, Jennifer Daratany and Cameron Yearsley.

HORIZONS: NSU began an academic athletic training major in 2003. How does your program interface with the athletic training students?

This past March, the Athletic Training Education Program (ATEP) gained national accreditation from CAATE, which is an exciting milestone. I was involved in the initial development of the program and taught an Evaluation of Athletic Injuries course. Several of our ATCs also teach in the ATEP as adjunct faculty members, which gives them the added benefit of classroom experiences. We are able to give feedback to the ATEP and really make a strong impact on future professionals.

HORIZONS: Where do you see the future of NSU athletics as it relates to your sports medicine program?

My goal is to create the gold standard for an athletic training department among Division II athletics. The first phase was the completion of the University Center that included the Athletic Training Suite and Sports Medicine Clinic. The second phase was to assist in obtaining accreditation for the new Athletic Training Education Program. The third phase is to continue to improve the health care of the student-athletes by establishing programs that will give them the opportunity to have safe and enjoyable college athletic experiences. ■

FELECIA HENDERSON IS THE ASSOCIATE DIRECTOR OF PUBLIC AFFAIRS.



NSU Inducts Three Business Leaders into the Entrepreneur Hall of Fame

BY MARA L. KIFFIN

The H. Wayne Huizenga School of Business and Entrepreneurship celebrated excellence in business innovation and ingenuity as three captains of industry were inducted into the Entrepreneur Hall of Fame in April. Celebrating its 18th year, the Entrepreneur Hall of Fame honors the achievements of outstanding business people in the South Florida community. The selection committee for this prestigious honor is composed of current hall of fame members. This year's inductees were James R. Dunn, owner/president of J.R. Dunn Jewelers; Kurt J. Langsenkamp, president of Steel Fabricators, LLC; and Michael E Maroone, president and COO of AutoNation, Inc.

The founder of a multimillion dollar jewelry business, Dunn began his career in 1967 in Massachusetts, when he converted a house into a small jewelry store called The House of Gems—a business started with a savings of \$10,000. Dunn and his wife relocated to Florida in 1977 with intentions of semi-retirement and opened a jewelry boutique business serving a select clientele by appointment only.

Today, J.R. Dunn Jewelers is a premier retailer of fine jewelry, featuring the world's most renowned Swiss watches and designer jewelry. The business continues to grow with more than 10,000 square feet of showroom space, including a retail showroom on Las Olas Boulevard in Fort Lauderdale, catalogs, and online operations.

Langsenkamp is president of Steel Fabricators, LLC (SF). His father, Henry J. Langsenkamp, founded the company in 1963 as a family-owned business. Today, it is the largest steel fabricator in Florida.

In 1994, the company was acquired by Canam Steel Corporation, and Langsenkamp was promoted to general manager, then regional vice president. Revenues soared from \$20 million to \$50 million in 1998. The company

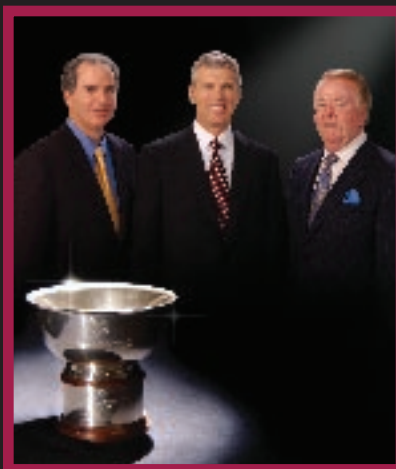
was reacquired in 1998, and in 2004, Langsenkamp formed a new company, FabSouth, LLC. He served as president and CEO of FabSouth and grew the company from \$150 million to \$300 million in 2006, all while serving as president of SF and growing its business to \$75 million in 2006.

Maroone has served as president and chief operating officer of AutoNation, Inc., the world's largest automotive retailer, since 1999. His father opened Al Maroone Ford in 1954 in Buffalo, New York, and young Maroone spent his Saturdays hanging out around car dealerships. From the age of 13, he typically worked at dealerships after school and during summer vacations.

Maroone joined AutoNation in 1997, when the former Republic Industries, Inc., acquired the Maroone Group. In 1998, he became president of the Auto Retail Group, as AutoNation brought together its new and used vehicle operations. Today, AutoNation—which represents more than 35 brands—has twice been ranked in *Forbes* magazine's annual Top 500 Companies in the United States and has received numerous awards, such as *Time* magazine's Quality Dealer and *Fortune's* America's Most

Admired. AutoNation was ranked the Number One Industry Champion five out of the last six years.

The membership of the NSU Entrepreneur Hall of Fame includes John "Jack" Abdo; Joseph Amaturio; Walter L. Banks; Rick Case; Shaun M. Davis; Carlos de Céspedes; Jorge de Céspedes; Carl DeSantis; Arthur J. Falcone; Steven Halmos; Whit Hudson; H. Wayne Huizenga; Alan Levan; James Moran; Charles L. Palmer; Kaye A. Pearson; Garth C. Reeves; Frederick Ruffner, Jr.; David Rush; Kay Smith; Terry Stiles; and R. David Thomas; among other distinguished business leaders. ■



MARA L. KIFFIN IS ASSOCIATE DIRECTOR OF INTERNAL COMMUNICATIONS FOR THE OFFICE OF UNIVERSITY RELATIONS.

THE LIBRARY OF TOMORROW— TODAY

LIBRARIES ARE CENTRAL TO LEARNING, BUILDING COMMUNITIES, AND PROMOTING RESEARCH AND INTELLECTUAL EXPLORATION. THE ALVIN SHERMAN LIBRARY, RESEARCH, AND INFORMATION TECHNOLOGY CENTER OF NOVA SOUTHEASTERN UNIVERSITY HAS GAINED THE REPUTATION AS A MODEL OF LIBRARIES OF TOMORROW.

BY LOURDES RODRIGUEZ-BARRERA

Less than 10 years ago, a group of university and community leaders within Broward County dared to think outside the box when it came to designing something as traditional as a library.

After all, when the Greeks, with a heightened interest in literacy, propelled the idea of a library as early as 530 BCE, little did they know the concept of a library would result in a legacy for future civilizations to build on.

For NSU and Broward County government leaders, the need called for designing a library of tomorrow, one without boundaries. The duty called for an unconventional, groundbreaking approach to library service.

The idea was to build a facility large enough, diverse enough, and technologically advanced enough to provide the right information for the right person at the right time. Library supporters planned for a hub where residents, business people, students, and scholars of all ages and interests would have access to information in

the library or from their home computers. They imagined multimedia rooms for high-tech presentations; free, open access to volumes of databases; and zones where parents and caretakers could bring their children to freely explore new activities and knowledge. They planned for a site with offerings of world-class art, culturally enriching programs, and personal development seminars open to the community. They needed a library that would provide service to a wide range of patrons for extended hours, seven days a week. They sought an academic research library to which citizens of Broward County could have equal access, regardless of their educational affiliation. The vision and blueprints for a library of tomorrow began to take shape.

On December 14, 1999, Broward County Commissioners and NSU signed an innovative agreement for a joint-use library to continue in force for the next 40 years. The library's research and technology capabilities would serve a public purpose and benefit



Morton & Geraldine Terry Atrium

the Broward County community, and NSU's students and faculty and staff members.

Two years later, the grand opening of the 325,000-square-foot Alvin Sherman Library forever changed the face of NSU and Broward County. The library, later named after its benefactor, local real estate developer Alvin Sherman, opened its doors with a collection of 240,000 volumes and a book capacity of more than one million volumes.

As the largest library building in Florida, it is the only joint-use facility between a private university and county government entity in existence in the nation, paving the way for like partnerships. It offers traditional public

library services, as well as the full academic resources of one of the nation's largest independent universities. With its inspiring architecture, museum-like ambiance, and volumes of interactive amenities, this five-story facility is a community dream that became a reality.

"It is a crowning achievement," said Donald E. Riggs, Ed.D., NSU's vice president for information services and university librarian. "This library is a testament to the future of libraries and what they can and will become." Nearly six years later, the Alvin Sherman Library has issued more than 45,760 library cards to Broward County patrons and boasts a winning blend of form and function—technology, art, culture, and vast resources of information complemented by superior customer service, all within a welcoming setting.

MAKING USE OF FORM AND FUNCTION

Centrally located in Broward County, the Alvin Sherman Library is open 100 hours per week, more than any other library in Broward County. It gives patrons access to more than 270 databases, including collections of online information in topics ranging from the arts to business and the health sciences. It has the availability of linking patrons to more than 25,000 electronic journals and more than 40,000 electronic books with easy navigation. Furthermore, it provides patrons with free online access to materials that no other Broward County Library has available, such as *ValueLine*, *World Book Encyclopedia*, *Books in Print*, and *Peter's Guide*.

Unlike most library systems, NSU has a diverse population of patrons ranging from preschoolers and parents to doctoral students and senior citizens. "Research is part of our name," said Harriett MacDougall, executive director for the Alvin Sherman Library, Research, and Information Technology Center. "We are in the business of assisting library users with their research needs and projects."

MacDougall added that the moniker "Research Facility" is earned because of the type of databases, materials, and services that are freely accessible. Most of the materials are academic in nature and support the research pursuits of NSU students and faculty members in their graduate or undergraduate work. These research materials are also available for use by Broward County library users, as well as students from other universities or colleges, who live in Broward County.

"As a student, I find everything that I need at the Alvin Sherman Library—from plenty of computers to work on to plenty of database resources to tap into for my research papers," said Elena Soltau, a doctoral student of NSU's Graduate School of Computer and Information Sciences. "Compared to other libraries, this library has a well-rounded selection of services and resources that link me to the right information that I seek every time."



A RESEARCH FACILITY FOR ALL

Whether it's research for homework, information about a company that you are thinking of investing in, or a full-length article that you missed in last month's issue of *The New York Observer*—the Alvin Sherman Library, Research, and Information Technology Center makes it all accessible, right at your fingertips. In many instances, there is no need to walk through the library doors, as the library is equipped with state-of-the-art wireless and wire-line technology. Databases not found anywhere else in the county are accessible from a home computer. The library is also part of a 24-hour "Ask a Librarian" chat service that enables a professional librarian and technical support services to solve research and computer navigation problems. There's even a reader's advisory for recreational reading. For the convenience of students, faculty members, and community patrons, the Alvin Sherman Library is open 100 hours each week, including evenings and weekends.



A VENUE FOR WORLD-CLASS ART

Glenda Abbate, *Circle of Friends* president, said that it was the vision of the *Circle of Friends* to create a venue that would provide exposure to world-class art for the community. The library's broad user base of students, university faculty members, and Broward County residents now enjoys free access to art that is usually reserved for display in museums. The Alvin Sherman Library sets itself apart from other libraries by serving as a destination for the works of such world renowned artists as Beverly Pepper, Therman Statom, Frank Louissaint, Peter Max, and, most recently, Dale Chihuly. The permanent works of these artists are a gift to the community and a feast for the senses, as they provide a cultural experience of an immeasurable dimension.

A key to the facility's success is the professional staff and their operation of the Alvin Sherman Library. The staff members are trained to teach skills on how to approach a research project. For example, a student who attends college in Maryland, but resides in Broward County, can use the library as if it was his or her own university library and have the added advantage of receiving one-on-one instruction from a Sherman librarian.

There is no doubt that the Alvin Sherman Library is growing in use by both the university and Broward County residents. In 2006, there were more than 25 million hits on the electronic resources offered by the library. Alvin Sherman librarians answered 40,921 reference questions, with 40 percent of these inquiries coming from Broward County library users.

To better serve the public, the library's Public Library Department visited more than 200 child care centers, senior citizen residences, public and private schools, and cultural and community events to encourage children, teens, and adults to register for a library card and use the library, either in person or virtually.

A BUILDING BLOCK FOR FAMILY LITERACY

Research has shown that children who have been exposed to libraries and reading in the early stages of development have an advantage over those who have not. In addition, exposing children to art in the early stages of development stimulates imagination and creativity.

A lifelong love of reading, art, and technology often begins for Broward County children through the Alvin Sherman Library's Family Literacy University. The lessons learned here are reinforced for preadolescents through reading programs and other literature-based programming held throughout the year. These activities

convince the youngest library patrons that recreational reading, which leads to self-directed learning, is fun.

"The arts and early literacy are perfect complements," said Molly Kinney, Ph.D., executive director of Public Library Services at the Alvin Sherman Library. "Creating an environment that values reading, writing, and language activities naturally includes art disciplines such as illustrations and storytelling through words and pictures."

In addition to individual programs, a variety of family literacy programs, story-time programs, weekend craft workshops, and reading activities allow parents, caregivers, and siblings to enjoy an environment that provides 30 separate family literacy events each month.

"Being able to sit down with my two- and four-year-olds in a single place allows me to meet their growing needs simultaneously in an environment that is just simply inviting. This library was a true find for me," said Patty Fernandez, Davie resident.

Traveling exhibits often find an audience at the the Alvin Sherman Library Gallery. The gallery has also served as a performance space for music recitals, poetry readings, compelling discussions, and other arts and cultural events. Over the summer, the gallery hosted the *Quilt of Valor* exhibit, reception, and workshop designed to inspire a drive for a massive collection of quilts. A *Quilt of Valor* is a tribute to wounded soldiers, recognizing their service, dedication, and sacrifices made on behalf of our country. After the exhibit, quilts were donated to the *Quilt of Valor* Foundation and the Veteran's Administration Hospital in Miami and dedicated to injured soldiers returning from the war.

In September, A Prayer in America community forum and film premier, hosted by the Public Broadcasting Company, WLRN, and Channel 2, showcased the documentary of the same name, followed by a compelling forum led by religious leaders from different faiths.



A PLACE THAT NURTURES CREATIVITY

Families come to the Alvin Sherman Library and spend a good part of a day visiting special exhibits; exploring the facilities; researching projects or areas of interest; attending family literacy programs; engaging in weekend craft offerings; or taking advantage of the many other wonderful programs for infants, young children, teens, and adults. Families can review the menu of options throughout the month right from their home computer, marking their calendars for weekday and weekend library activities. The selection is amazing and, most importantly, it is free. Discover! Connect! Learn!

The Jews of Czestochowa exhibit traced the history and growth of the local Jewish community and recounted the vitality and contributions of this population that was virtually obliterated in the Holocaust.

The Keepers of the Dream exhibit, partnered with the Oscar Thomas Foundation, inspired a collection of works from local high school students, recognizing the contributions of the African Diaspora to American history, politics, spirituality, education, sports, and artistic expression. The exhibit was NSU's centerpiece during Black History Month.

These exhibits have created a rich, stimulating environment that welcomes all library patrons to learn, volunteer, network, and explore.

CIRCLE OF FRIENDS

As the Alvin Sherman Library adapts to meet new challenges, private support is more important than ever to its success. The *Circle of Friends* serves as a growing group of volunteer stakeholders within Broward County for the Alvin Sherman Library. They are parents, grandparents, company executives, teachers, students, investors, and proactive community residents who have an interest in keeping the Alvin Sherman Library on the cutting-edge of library science.

The dedication and contributions of the *Circle of Friends* helps the library acquire new resources, preserve existing materials, and keep pace with new technologies that offer multiple formats and improved access to information. Through the support of the *Circle of Friends*, art lovers of all ages have been treated to a feast for the senses with the library's varied and growing collection of artwork by artists including Beverly Pepper, Therman Statom, Frank Louissaint, Peter Max, and Dale Chihuly. The Prayer Wheel, located on the south side of the atrium, is a permanent installation donated by *Circle of Friends* members Albert and Beatriz Miniaci in 2004. It was later blessed by His Holiness the Dalai Lama.

This past year, the *Circle of Friends* made it possible for Broward County residents to view a permanent installation of Dale Chihuly's artwork. In April, *The NSU Glass Garden*, funded by the *Circle of Friends* and other private donations, was installed in the library's atrium mezzanine. The piece includes more than two-dozen unique, hand-blown glass shapes representative of a vibrant garden landscape. The work is Chihuly's sixth installation designed for a library. It was inspired by his celebrated *Fiori* (Italian for "flower") series. The piece was specifically commissioned for the space.

"Our goal was to build a lasting visual legacy for the community, and *The NSU Glass Garden* provides a



A DESTINATION THAT BUILDS COMMUNITIES

While each community has its libraries and its special collections, the mission of the Alvin Sherman Library goes one step further. It validates and unifies the community by promoting independent thinking without prejudgment and providing access to programs for and by the community, free of charge. The Alvin Sherman Library Gallery, located on the second floor, serves as a host site for numerous exhibitions that range in topic from the fine arts to historical findings. The gallery has served as a performance space for music recitals, poetry readings, compelling discussions, and other cultural events.

The *Quilt of Valor* drive, *The Jews of Czestochowa* exhibit, *The Keepers of the Dream* program, a Prayer in America community forum, distinguished speakers, and contemporary authors are just a few highlights offered to the public in 2007.

stunning centerpiece for our efforts,” said Glenda Abbate, president of *Circle of Friends*. “We thank everyone who has made this dream come to fruition.”

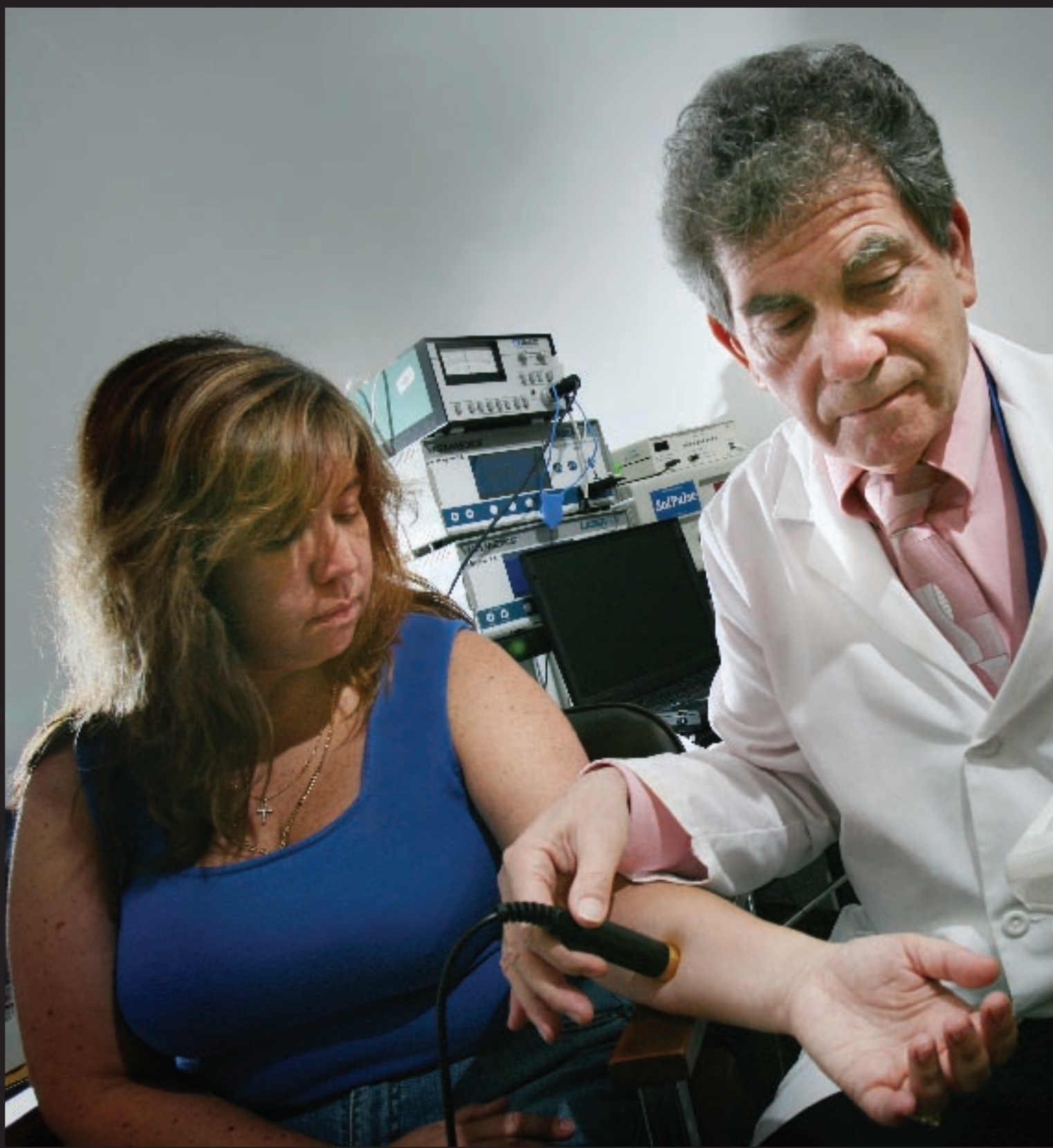
POSITIONING FOR THE FUTURE

The Alvin Sherman Library has established its role as a leader in service to the South Florida community and as a premier destination for acculturation of its community’s residents. Since opening in 2001, more than 500,000 individuals have walked through its doors to check out best sellers, DVDs, and books on tapes; as well as to review academic journals; explore new databases; and take part in community programs that enhance their lives, minds, and souls.

The staff members of the Alvin Sherman Library are constantly engaged in strategic planning to meet the evolving needs of patrons. By adapting new technological advances in response to the impact of search-driven resources like Google, the Alvin Sherman Library keeps pace with the information needs of the community. As physical and electronic collections continue to grow, large investments are expanding the ways in which patrons can access them.

The Alvin Sherman Library serves as a primary destination in South Florida, helping members of the university and the public at-large access and navigate intellectual resources. Lifelong learning is encouraged by the richness and diversity of services and resources made available to the community. The library of tomorrow is here. It is an open book waiting to be accessed by Broward County residents, South Florida visitors, and the NSU community. Come explore the Alvin Sherman Library and see what libraries of tomorrow will offer. ■

LOURDES RODRIGUEZ-BARRERA IS THE MANAGING EDITOR OF HORIZONS MAGAZINE.





UNCOVERING A *Silent* EPIDEMIC

BY LISA BOLIVAR

Lymphedema is a painful problem that, until now, has not shown trends or predictability in breast cancer survivors. NSU doctors and researchers are leading a study and research that takes a closer look at predictability and better treatment for lymphedema.

Having a mastectomy can result in complicated issues for victims of breast cancer. Some of these issues are the fear of a life-threatening disease, the loss of the breast, and the potential for severe and painful swelling of the arm near the surgery site. Limbs can become markedly larger than normal, which not only can be physically uncomfortable, but also can result in a self-image crisis, according to Harvey N. Mayrovitz, Ph.D., principal investigator and leader of a team of Nova Southeastern University medical doctors and researchers from the College of Medical Sciences that are studying the predictability and treatment of the condition known as lymphedema.

Dawn Brown-Cross, Ed.D., a physical therapist in the College of Allied Health and Nursing, and Ezella “Zee” Washington, second-year medical student in the College of Osteopathic Medicine (COM), collected data for the initial series of studies. The first studies were of premenopausal and postmenopausal women who were examined using data obtained by Doppler blood flow measurements, skin temperature, arm volume, and tissue water levels at a specific site on the arm. Hormone levels also were monitored using saliva samples.

Mayrovitz, a COM physiology professor, said lymphedema, a condition that can strike women up to several years following a lymphectomy or mastectomy, is a common problem.

“We have a general interest in the problem of lymphedema, or swelling of the limbs,” Mayrovitz said. “Often it occurs with some frequency in women who have had a mastectomy, lymphectomy, or radiation ... and it develops in about 25 percent of the women who undergo this treatment.”

Although a quarter of women with this medical history may develop the problem, they may not see the symptoms for quite some time.

“In some women, it won’t occur for years after their surgery,” Mayrovitz explains. “Generally speaking, in the first year following such surgery, 50 percent of the women who will get the lymphedema get it.”

In addition to the discomfort excess swelling can cause, the body image problems of being self-conscious, and clothing not fitting properly, other conditions also happen.

“You have to remember that for a woman that just had a mastectomy, which is very, very debilitating psychologically, to now have to deal with this swelling on top of it, it’s quite a blow,” Washington said. “When you have an arm that is significantly larger than the other, you have to change your clothing, you need to wear long sleeves; and in Florida, that is hard to do, so

it can significantly change a woman’s life.”

And it hurts.

“It can get painful, depending upon the severity. You are taking a portion of the body that you can only expand to a certain level before it starts pressing on muscles and nerves,” she said, adding that she is looking forward to the time when Mayrovitz is able to target patients at risk for the condition because “if they knew they were at higher risk, they could have lymphatic treatment done prior to and after surgery.” This would include massage.

There are other implications of the swelling, according to Mayrovitz.

“The limitations on range of motion can be severe.

These women can’t put their wedding rings on; they can’t put their watches on. There are many complications or bad things that occur with this,” Mayrovitz said, adding that women don’t always seek therapy when swelling occurs, and, if it is left alone, it will get worse.

Mayrovitz and his team wish to accomplish several things with the studies. They would like to determine if the condition can be predicted in certain patients. They would also like to devise treatments for women who may develop the problem that could be administered prior to the initial surgery and further develop treatments already in place for those who are suffering.

Ahead of everything else on the agenda is figuring out who has the potential to develop lymphedema in the first place. In an effort to find a predicting factor, Mayrovitz et al. began with a study that measured the amount of water in a woman’s arm tissue during various times in her monthly menstrual cycle. They wondered if this data could provide an early indicator to the edema problem.

“We were looking at the normal state of what happens through a menstrual cycle in terms of water retention, and we did it because there’s no scientific evidence of water retention, although women do complain about it,” said Brown-Cross. “We really just wanted to investigate it and ask questions—Did it happen? Can we measure it?—Which hadn’t been done.”

While the initial studies of healthy young women yielded no significant predictions of edema in arms, Brown-Cross said “it may be just because of age that the premenopausal women would have faster blood velocity ... we did find, as we expected, that estrogen levels are lower in the postmenopausal women, but it wasn’t significantly different.” The full results of this initial



Harvey N. Mayrovitz, Ph.D.

study, which also included skin blood flow measurements, have recently been published. [Mayrovitz HN, Brown-Cross D, Washington Z (2007) Skin tissue water and laser Doppler blood flow during a menstrual cycle. *Clinical Physiology and Functional Imaging* 2007;27:54–59]

According to a second paper recently published in the journal *Lymphology* by Mayrovitz, [Mayrovitz HN (2007) Assessing local tissue edema in postmastectomy lymphedema. *Lymphology* 2007;40:87–94] there are indications that edema can be predicted. In that study, tissue water was measured in both arms of 48 women using a new device that allows local tissue water to be simply measured. The device, MoistureMeter-D, was developed in Finland, and works on the principle that the tissue dielectric constant (TDC) is related to the amount of the tissue's water content in a localized region. In the study, the ratio of TDC values in the affected to the normal arm was used as an index of relative edema. The results showed that, of women that had postmastectomy related lymphedema of one arm, none had a TDC ratio as low as 1.2, whereas none of the control subject's TDC ratio was as great as 1.2. This important finding suggests that a critical TDC ratio of 1.2 or greater might be a good predictor of lymphedema risks in patients.

In order to further test his findings, Mayrovitz has partnered with Daniel Weingrad, M.D., of 21st Century Oncology in Aventura, Florida. For the next phase of the study, Weingrad will provide 120 mastectomy patient participants over the next 24 months. A past fellow of the National Institutes of Health, he said he is thrilled to be able to participate in such a study.

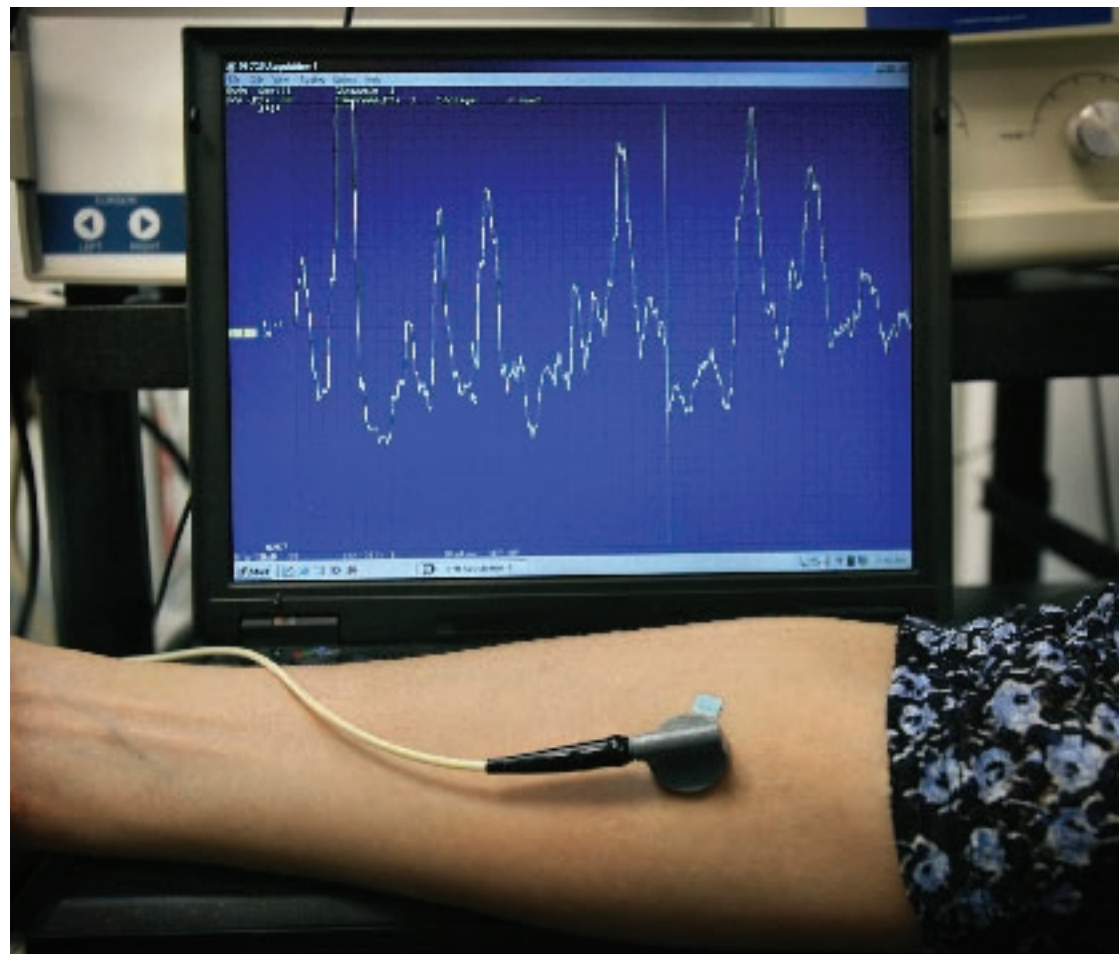
"This is exciting," Weingrad said. "More and more, as all the advances of all the primary cancer treatments are being developed, we realized that we needed to also focus on the effects of these treatments and address them, seeing if we can do something to make the patients more comfortable."

About 120 patients at Weingrad's clinic who have had lymph nodes removed or biopsied will be followed from just prior to their surgeries and then for two years afterwards. Suzanne Davey, the director of

Healing Hands of Lymphatics Plus in Hallandale, and her team of lymphedema therapists will also be participating in this research study. The researchers will look for signs of swelling and document changes in the arm tissue if there are any.

One way of discovering if a patient may be a candidate for this edema is to biopsy the lymph nodes prior to surgery. "We want to be able to profile the patients who may develop it early," Weingrad said.

Weingrad also said this study should impact breast cancer survivors who have or will develop this uncomfortable malady.



"One of the questions the researchers are asking is who is at risk—heavier patients, older patients—and is there something that can be done about it prior to it happening," Weingrad said.

Mayrovitz said that teaming up with a renowned breast cancer surgeon and a lymphedema treatment center will give this study the expertise and broad base needed to obtain and analyze the needed data to test the underlying hypothesis.

"I am always looking for ways to translate and apply basic science and technology to meaningful clinical applications, and this device and approach is just a wonderful way of doing this for a very important clinical problem." ■

LISA BOLIVAR IS A WRITER IN TAMARAC, FLORIDA.

REFLECTIONS ON SCHOOL VIOLENCE: NO SIMPLE SOLUTIONS

BY SCOTT POLAND

“How can I face going into my teacher’s classroom tomorrow? She was murdered by her own students.” In an auditorium in Jonesboro, Arkansas, a Westside M.S. student asked me this question in front of several hundred people.

“Your teacher, Mrs. Wright, was a great person,” I responded. “She gave her life for education. What do you think she would want you to do? I think she would want you to face what has happened, come back to school tomorrow, get the help you need, and go on with the important business of learning!”

When I began my career as a psychologist working in schools, I never expected to answer questions like the one above or to meet parents who had their children murdered at school. Nor did I expect to lead or serve on crisis teams in the aftermath of 11 school shootings at the middle or high school levels in communities such as Jonesboro, Paducah, Columbine, and Red Lake. Always invited, my purpose on these teams was to guide and support the community and identify those most affected by the tragedy. Always very careful in working with a grieving individual, I knew not to say, “I understand what you are going through.”

A frustration in all of these situations was the media glorification of the perpetrators. The focus should have been on the victims and survivors and the needs of the community. The long-term impact of the trauma was often underestimated, and many communities later experienced suicides by survivors of these incidents.

I have conducted hundreds of interviews, always focusing on the victims, survivors, and prevention rather than on the perpetrators. We need to glorify and publicize the millions of young people who do the right thing every day and give *them* the national news coverage.

I do feel a responsibility to share what the grieving parents have recommended for changes in America. As would be expected, the parents do not agree on what needs to be done, but have individually outlined these points in publications, testimony before Congress, and through the development of foundations in memory of their children.

Increase religious participation in schools

I was in a school classroom the day after a shooting and was asked if I would lead a prayer in memory of the deceased and responded by suggesting that everyone have his or her own silent thoughts and/or prayers for the victims.

Reduce gun access to children

Most school shooters obtained their guns from their own homes. I have often warned parents that a child who is thinking of suicide knows where the family gun is and how to load it, contrary to what the parent(s) may believe.



Increase mental health services for children

I was on a program with U. S. Surgeon General Carmona and heard him say that he could not fix the mental health system, as we would have to create one first. As a former president of the National Association of School Psychologists and a presenter to school psychologists and counselors in every state, I have found that it is rare for these professionals to have the time to provide mental health assistance to students, as their duties are primarily scheduling and assessment.

Increase parental supervision and skills

A number of adolescents are leading “secret lives” that involve sex, drugs, and reckless behaviors while their parents are looking the other way. One teenager commented to me recently that his relationship with his parents was based on denial because if they paid attention to his behavior, they would be worried. We need to bring back the family meal where families sit around the table and talk to each other.

Reduce media violence

The parents in Paducah who lost children in the school shooting formed a foundation and sued both the maker of a violent video game and the maker of a violent movie that depicted a school shooting. The principal in Paducah told me that the perpetrator had never fired a real gun in his life before the shooting, but was deadly accurate because he played point and shoot video games for hours.

In my own first testimony before Congress, the head of the committee asked, “How do we spot a troubled child in schools?” He implied there was some great mystery to this. My reply was that we spot troubled children every day, but simply do not have the mental health resources to help them.

I was asked to be the main speaker to 3,500 Columbine parents after the tragic shootings. My primary message was, “Reach, don’t preach, and be there to listen to your child. Do not hesitate to get professional help for them.” A parent stated that the shooting was motivated by racism and asked what would be done about it at Columbine. My response was, “There is so much we do not know about the motivation of the perpetrators and may never know. I believe racism is a problem in all schools and communities, and we must work to ensure that everyone gets along.”

One significant development since the Columbine shooting in 1999 was a U.S. Secret Service study of 37 school shootings, which resulted in significant findings. The study was released twice, in 2000 and 2001, but was largely ignored by schools. The study found no accurate profile of a school shooter, but the following commonalities regarding the perpetrators were revealed, which has tremendous implications for prevention.

- Revenge was the motive.
- The shootings were not impulsive acts, as they were planned over weeks or even months.

- Almost all of these perpetrators talked about what they were going to do to classmates. One of them, at his trial, said he told 40 friends of his violent plans and thought one of them would have tried to stop him.
- The majority of these perpetrators had access to guns and were fascinated by guns, bombs, and violence portrayed in the media.
- The majority of these perpetrators were actually suicidal. Many of them died by suicide at the crime scene or stated their shooting was supposed to culminate as “suicide-by-cop.”
- The majority of these perpetrators were victims of severe bullying.

These findings have obvious prevention implications, including ending the conspiracy of silence that allows homicidal and suicidal threats to go unreported to authorities, as well as implementing programs to reduce bullying and prevent suicide. My assessment has been that most of the prevention emphasis at schools has focused on hardware measures such as more police presence and surveillance cameras. I am not opposed to those measures. But, I reference the school in Red Lake, Minnesota, with all of its state-of-the-art hardware measures, because it was the scene of the second-worst K–12 school shooting in our history.

Non-hardware measures, such as adding mental health professionals, knowing every student well, and teaching problem solving and anger management, are also important. My experience has been that school safety is really an inside job that requires a commitment from students first, then the faculty and the community. Everyone must be alert, understand their role and the importance of working as a team, and share information, because there are no simple solutions to school safety. I believe strongly that one violent death on a school campus in the United States is unacceptable, but K–12 schools and college campuses are still the safest places for young people. The vast majority of murders of young people actually occur in their own homes or in the community, and we must work on prevention in those settings, as well. ■

SCOTT POLAND, ED.D., IS A FACULTY MEMBER OF NSU'S CENTER FOR PSYCHOLOGICAL STUDIES AND CHAIR OF THE NATIONAL EMERGENCY ASSISTANCE TEAM.

“Verbatim” is a regular feature of *Horizons* magazine that presents the unique personal stories of the students, alumni, and faculty and staff members of Nova Southeastern University. Send your story ideas to nsumag@nova.edu.

alumni journal

JERRY HOLLINGSWORTH, ED.D. CLASS OF 2005

BY LISA BOLIVAR

A blue-black cloud hung over the street as Jerry Hollingsworth drove into the impoverished town of Pamploña, Peru.

“What is that,” he asked his companion.

“Flies,” was the answer.

Hollingsworth, a graduate of the Fischler School of Education and Human Services, was doing field studies of children in poverty in Peru last summer as an assistant professor of sociology at McMurry University in Abilene, Texas.

“It’s the most horrible thing I’ve ever witnessed in my life. There must have been hundreds of trillions of flies everywhere,” Hollingsworth recently said of the shanty town erected just outside of Lima that is home to about 4,000 families.

“Basically, it’s just a slum area,” he explained. “The houses are made out of whatever they can find—some tin, some plastic, some cardboard boxes—and the people throw their waste products into the streets where the wild dogs run.”

“The first time we got off the bus, what we noticed was the smell. It’s like dropping you into a sewer.”

But the conditions didn’t frighten Hollingsworth away; he went there to see such things, to study how the children of poverty survive, and to offer his help as an educator. Last year, he had a similar project in Mexico. The results of Hollingsworth’s two summers abroad will appear in a book he is completing this year titled *Children of the Sun*. “And next summer, I plan to do the same kind of research but on Native American populations, most of it stateside,” he said. “It’s a theme that is developing through this whole work, coming out as I work.”

The theme Hollingsworth is tying together looks at the results of European oppression and the reactions of indigenous people. “In Mexico and Peru, we were looking at the Spanish who came in and conquered these people, mainly Native Americans, and suppressed and oppressed them,” he said. “And we did the same thing here, and most of those people live in poverty.”

According to those who know him best, Hollingsworth is a hands-on professor who hopes to offer solutions to basic problems such as childhood poverty. That trait, said Paul Fabrizio, professor and chairman of the political science department at McMurry University, is rare among academics. “He does really interesting research,” said Fabrizio,

who Hollingsworth labels as his mentor. “He goes and hangs out with homeless street kids in Mexico and in the slums of Peru, and that’s not the sort of thing that most academics do. Most of us observe from a distance. And in political science, we look at numbers from surveys. But Jerry [Hollingsworth] is doing the ‘soak and poke’ method—he’s soaking himself in the life of the street kids and poking around.”

“For my doctoral dissertation on presidential elections,” Fabrizio continued, “I spent my time in a library and looked at computer statistics; Jerry is going out and actually doing things. You’ve got to respect that. It’s the kind of research I don’t have the guts to do.”

Hollingsworth carries these methods into the classroom at McMurray. “I thoroughly believe, as a professional educator, that we should be attaining and sharing knowledge so people can know things. I want to contribute to the field of knowledge, and that means I need to get out into the field and report what it’s really like,” he said. “It’s the same thing in the classroom. You’re here for a reason, and you’re going to get the information.”

Hollingsworth stresses the importance of having a well-rounded understanding of your subject. “In my juvenile delinquency class, I want to show them that we’re not doing an adequate job in the field working with kids. So, I go over treatments and what’s wrong with them so students can come out of this class

knowing what to do with kids.

“As a professional educator, researcher, and writer, that’s what I want to do: enlighten others, flick that switch on—not so I can do it all, but so that others are on fire and they can make a difference, not just me. If I can make other people curious, maybe they can change their little corner of the world. That is my goal.”

Passion and dedication to the job at-hand are traits Hollingsworth has shown throughout his professional life. These qualities were especially noted while he was studying at Nova Southeastern University, according to Dana Mills, Ph.D., an executive dean of the Fischler School of Education and Human Services. Mills was Hollingsworth’s dissertation adviser.

“We have interests that lie in similar areas,” Mills said. “What was clear to me was his passion for what he was doing. His dissertation wasn’t a means to an end (his doctoral degree). No, in Jerry’s case, he really saw it as more of a





product that he could use that would create change. He took the research and did something with it.

“It was that level of commitment that was unusual from my perspective,” Mills said of Hollingsworth’s thesis, *Implementing a Cognitive Restructuring Training Program in a Foster Care Setting for Adolescents with Behavioral Problems*.

“It doesn’t take very long to talk to him and see he has a passion for what he does,” Mills went on. “And he is doing research in an area where there is tremendous burnout. It isn’t a fun area to research, but he is very dedicated to it.”

Hollingsworth, 54, earned his doctorate later in life, after raising two daughters with his wife Beth and dedicating his career to counseling and helping at-risk youth. His earlier degrees include an associate of arts in criminal justice from the University of Hawaii, a bachelor of arts in sociology from McMurry University, and a master’s degree in social work from the University of Texas at Arlington.

“I think it was a natural progression. I started off working in the mental health field dealing with kids in psychiatric programs. Most of the kids there had major depressive episodes or substance abuse issues; many were runaways, some in gangs. So that’s probably a natural progression from there,” Hollingsworth said. “I wanted to get my master’s degree so I could work with them on a higher level. But it seems like every time I would expand my knowledge in a certain area, I wanted to go out and learn more.”

Hollingsworth’s passion for helping youngsters may stem from his own challenging upbringing as a child of a migrant oil field worker, explained long-time friend James Martin. A licensed professional clinical counselor, Martin went to junior high school with Hollingsworth in Texas and later worked for him at a mental health center for youth.

“He had a pretty rough upbringing—to the point of abuse,

both physical and emotional,” Martin said. “They didn’t have a lot of money. Jerry was like kids who get into trouble these days: you can look at their file and see they were deserted. In a lot of ways, Jerry fits that profile. Essentially, he raised himself.”

Hollingsworth describes his youth in realistic terms.

“My dad was in the oil field culture. Texas is rich in oil production, so he drilled for oil on a rig. As soon as they’d strike oil, they’d take off and drill another hole somewhere else. We were seen as transients, and we were treated like migrant workers.” Hollingsworth even lived out of an 8-by-15-foot trailer with his parents and brother for much of his high school years.

Those experiences, Martin said, help make Hollingsworth the hands-on, solution-oriented professor he is. “It surely has a lot to do with it,” Martin said. “He has a lot of empathy.



He’s been there, he’s done it, and he’s pretty intense in helping these kids,” which is unique among social workers, Martin admits.

“There are a lot of therapists out there, but there aren’t many who excel in understanding what these kids go through. We see a lot of therapists come and go because they can’t stand the pressure. But Jerry, he won’t retire. He’ll be doing this until he dies.” ■

LISA BOLIVAR IS A WRITER IN TAMARAC, FLORIDA.



DISTINGUISHED SPEAKERS SERIES EXPLORES

BY RICHARD TOUMEY

During the academic year ending in 2007, the Farquhar College of Arts and Sciences pursued the college-wide academic theme of “Identity.” Members of the college community studied various meanings and implications of identity through special courses, theatre productions, student-faculty reading groups, faculty lectures, and panel discussions.

This theme was reinforced by the college’s Distinguished Speakers Series, offering compelling perspectives on how we know ourselves and others, as well as how those understandings are changing for millions of people.

MARK NERENHAUSEN, M.A.

The college welcomed Mark Nerenhausen as the keynote speaker for 2006–2007 Convocation series. Since 1998, Nerenhausen has served as president and CEO of the Broward Center for the Performing Arts. The Broward Center also manages the Parker Playhouse in Fort Lauderdale, Florida, and the Miniaci Performing Arts Center on NSU’s main campus. The Farquhar College of Arts and Sciences has partnered with the Broward Center on numerous activities and events.

Focused on the role that the arts play in community building and economic development, Nerenhausen also serves on local community boards, including Fort Lauderdale’s Downtown Council Steering Committee, ArtServe, the Museum of Art, the Concert Association of Florida, and the Greater Fort Lauderdale Lodging and Hospitality Association.

SCIENTIST SPENCER WELLS, PH.D.

The Division of Math, Science, and Technology presented geneticist and anthropologist Spencer Wells, Ph.D., speaking on “The Journey of Man: A Genetic Odyssey.”

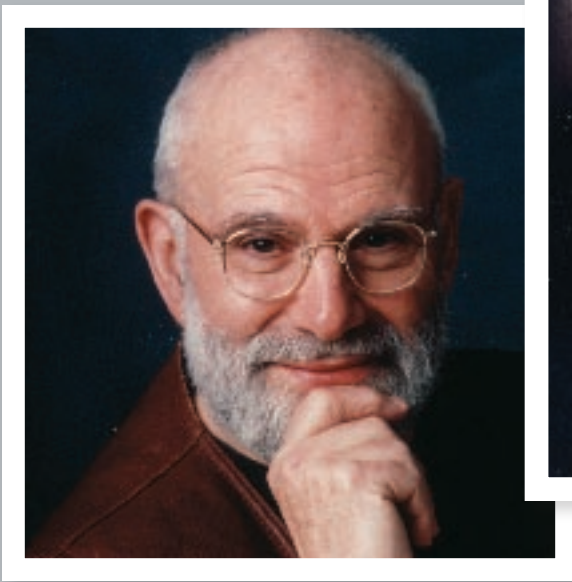
Wells is project leader for the National Geographic Society’s Genographic Project, a sweeping five-year genetic study of human migration, whose global network of research laboratories collects and analyzes DNA from cultures both near and remote. The project’s resulting genetic atlas provides insight into the connection between modern humans and African ancestors living 60,000 years ago.

In his talk, Wells discussed how the Genographic Project has linked geneticists, archaeologists, anthropologists, climatologists, and linguists for interdisciplinary research into the origins of human identity. This has led to a theory that humans dispersed in migratory patterns from Africa to settle across the globe.

STATESMAN EHUD BARAK, M.S.

The Division of Humanities presented Ehud Barak, former Israeli prime minister.

Barak served a 36-year career in the Israeli Defense Forces and was the most decorated soldier in Israeli history. He led Israel’s elite anti-terrorist unit and served his country as minister of the interior, minister of foreign affairs, and defense minister. From 1999 to 2001, Barak served as the 10th prime minister of Israel. In the first half of 2007, Barak



(L-R) Spencer Wells, Ph.D.; Ehud Barak, M.S.; Oliver Sacks, M.D.; Antonia Novello, M.D.

IDENTITY

launched a political comeback, recapturing leadership of Israel's Labor Party.

Barak earned his B.S. in physics and mathematics from the Hebrew University in Jerusalem in 1976 and his M.S. in engineering-economic systems in 1978 from Stanford University. His political, educational, and military backgrounds give him a unique perspective for assessing the key challenges of world terror, international diplomacy, globalization, and the free world in the 21st century.

DISTINGUISHED NEUROLOGIST OLIVER SACKS, M.D.

The Division of Social and Behavioral Sciences welcomed Oliver Sacks, M.D., to campus.

In 1966, Sacks administered the experimental drug L-dopa to a group of survivors of the "sleeping sickness" epidemic that killed millions in the 1920s. Frozen like human statues for decades, they awakened with "an explosive quality, as of corks released from a great depth."

Sacks is also author of bestselling books, including *Awakenings*, *The Man Who Mistook His Wife for a Hat*, and *An Anthropologist on Mars*. Through his work with brain disorders, he has transformed our understanding of the human mind by focusing on patients who adapt to, and survive, various neurological conditions. Exploring the nature of perception, memory, consciousness, and creativity, Sacks has enlarged our understanding of the complexities of the human mind.

ANTONIA NOVELLO, M.D.

The 2007 commencement speaker was Antonia Novello, M.D., the first Hispanic and first woman to serve as U.S. surgeon general. Her tenure raised awareness of domestic violence, underage drinking and alcohol abuse, and pediatric AIDS. In 1990, President George H. Bush appointed Novello to be surgeon general of the United States.

Her causes, particularly AIDS research and children's health, have taken her around the globe. After serving as surgeon general, Novello was appointed special representative of health and nutrition for UNICEF, the United Nations' children's health organization. In 1999, she was appointed commissioner of health for the State of New York.

One of Novello's guiding principles is "Service is the rent you pay for living, and that service is what sets you apart." At Commencement, she was awarded an honorary doctor of humane letters, as approved by the NSU Board of Trustees. ■

RICHARD TOUMEY IS AN EDITOR IN THE OFFICE OF INFORMATION SERVICES, FARQUHAR COLLEGE OF ARTS AND SCIENCES.

OC researchers study

coral reef

after removal of

BY RICHARD DODGE AND WENDY WOOD

military, federal, state, and Broward County officials, as well as the NSU Oceanographic Center (OC), are set to begin a monumental project to remove hundreds of thousands of waste tires from the Osborne Reef in the Atlantic Ocean, off the coast of Fort Lauderdale, Florida.

Broward County is home to spectacular and economically valuable coral reefs, most just a short ride from shore, that are home to myriad soft and hard corals, including threatened Staghorn and Elkhorn corals of the *Acropora* family. The reefs also house hundreds of fish species and invertebrates.

Ten years ago, OC Ph.D. student Robin Sherman, now a professor at the Franklin College of Arts and Sciences at the University of Georgia, stumbled across the tires while working on her doctoral dissertation. A few years later, she obtained a National Oceanic and Atmospheric Administration (NOAA) grant to the National Coral Reef Institute (NCRI)—housed at the NSU OC—to support the study of the best ways to remove the tires. Sherman helped to recruit almost 90 diving volunteers who gathered and recycled 1,600 tires. While the sheer magnitude of the project prevented further cleanup, Sherman's research helped establish management recommendations on best practices and led to the upcoming tire-removal project.

This endeavor has brought together the efforts of the Broward County Environmental Protection Department;

the Florida Department of Environmental Protection; and U.S. Army, Navy, and Coast Guard divers. OC scientists from the NCRI will evaluate recovery of the injured reef.

It is estimated that nearly two million tires were placed into the ocean in the 1970s by private organizations hoping to create an artificial reef. Over the years, the successful formation of an artificial reef did not occur and the tires loosened and moved, damaging the nearby natural coral reefs. The tires cover more than 34 acres on the seafloor in 60 to 70 feet of water about 1.3 miles off the coast of Fort Lauderdale beach.

A pilot project began last June to determine the most efficient way to remove the tire debris from the ocean. A three-year initiative is currently under way to remove an estimated 700,000 tires from the ocean floor.

The cooperation and synergy of federal, state, and county governments has made the removal of the tires and restoration of the coral reef possible. "The government partnerships create a win-win situation for all parties involved in the project," said Josephus Eggelletion, Broward County mayor. "We are most thankful that the state agreed to finance the recycling of the tires, and the military has provided the labor and skill necessary to get this job done. It's unprecedented."

Benefits to the public in natural resource restoration and preservation are enormous. Military divers will receive

recovery

waste tire impact

training in a real-life environment. Waste tires will be removed from the ocean floor and recycled. Removal and recycling of the tires will turn an environmental hazard into an environmental asset. Coral reef habitat will be restored, and research on coral reef restoration will be promoted through NSU.

The military divers will gather and bundle the tires and buoy them to the ocean's surface. The tire retrieval project will serve as a training exercise. The Army is providing a landing craft unit (LCU) that will crane the bundles from the surface and deposit them into cargo containers that will be later transferred to trucks.

The Florida Department of Environmental Protection's contractor will haul the tires to a waste tire processing plant in Georgia where they will be processed into tire-derived fuel and sold to a recycled paper plant.

Following tire removal, NSU Oceanographic Center NCRI researchers Richard Spieler, Robin Sherman, and graduate student Lance Robinson plan to evaluate the recovery of fish and coral populations on the reef. Their NOAA-funded study will provide resource managers with

valuable information on restoration effects and reef recovery times. NCRI has a number of monitoring stations on the reefs and works in coordination with Broward County in a number of reef studies.

The state of Florida is spending \$2 million on the project to facilitate the removal. Recently, Tim Keeney, the U.S.

deputy assistant secretary for oceans and atmosphere and a key high-level figure within the National Oceanic and Atmospheric Administration, and Mike Sole, Florida secretary of the Department of Environmental Protection, got a firsthand look at reef damage and the repair and recovery efforts. They met with Richard

Dodge, NSU NCRI executive director, for consultation on the project. "This work provides a unique opportunity for scientists to examine the effects of the cessation of a major injury to the natural ecosystem," explained Richard Spieler, professor and NSU NCRI principal investigator. "Will the impacted site return to a natural state similar to surrounding reef? If so, how long will this process take? The answers are of great significance for understanding the current, and directing future, restoration studies." ■


The large scale operation to remove the tires is unique and unprecedented.

RICHARD DODGE, PH.D., IS THE DEAN OF THE NSU OCEANOGRAPHIC CENTER AND EXECUTIVE DIRECTOR OF THE NATIONAL CORAL REEF INSTITUTE AT NSU. WENDY WOOD, M.A., IS ADMINISTRATIVE COORDINATOR FOR THE NATIONAL CORAL REEF INSTITUTE.

Inaugural Class

HALL OF FAME CLASS OF 2007


DR. ABRAHAM S. FISCHLER
 President, 1970 - 1992
 Texas Tech University




Dr. Abraham S. Fischler served as the 22nd president of Texas Tech University from 1970 to 1992. He was a member of the Phi Kappa Phi Honor Society and the National Academy of Sciences. He was also a member of the National Board of Directors of the American Association of University Professors and the American Association of Economic Societies. He was a past president of the American Association of Economic Societies and the American Association of Political Economists. He was also a member of the American Economic Association and the American Political Science Association. He was a past president of the American Political Science Association and the American Association of Political Economists. He was also a member of the American Economic Association and the American Political Science Association.

HALL OF FAME CLASS OF 2007



TROFIELO CORRELLAS, JR.
 1967-1988




Trofiele Correllas, Jr. was a member of the Phi Kappa Phi Honor Society and the National Academy of Sciences. He was also a member of the National Board of Directors of the American Association of University Professors and the American Association of Economic Societies. He was a past president of the American Association of Economic Societies and the American Association of Political Economists. He was also a member of the American Economic Association and the American Political Science Association. He was a past president of the American Political Science Association and the American Association of Political Economists. He was also a member of the American Economic Association and the American Political Science Association.

HALL OF FAME CLASS OF 2007

DAVID RILEY
 1968-1988

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HALL OF FAME CLASS OF 2007



CHARLES "SCOTT" KANSLEY
 1968-1988




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HALL OF FAME CLASS OF 2007

SHANNON SAWYER
 1968-1988

Shannon Sawyer was a member of the Phi Kappa Phi Honor Society and the National Academy of Sciences. She was also a member of the National Board of Directors of the American Association of University Professors and the American Association of Economic Societies. She was a past president of the American Association of Economic Societies and the American Association of Political Economists. She was also a member of the American Economic Association and the American Political Science Association. She was a past president of the American Political Science Association and the American Association of Political Economists. She was also a member of the American Economic Association and the American Political Science Association.

Plaques for inaugural class of Athletic Hall of Fame

Athletic Hall of Fame Enshrined During Gala

BY BOB PRIOR

The University Center served as the backdrop for the inaugural Athletic Hall of Fame Gala. The invitation-only event featured the induction of three former student-athletes and two former administrators into the hall of fame. Former NSU student-athletes Shannon Sawyer (softball); Teofilo Cubillas, Jr. (soccer); and David Riley (basketball) joined Abraham S. Fischler, NSU president emeritus, and Charles “Sonny” Hansley, former NSU athletic director and head coach, in the inaugural class of 2007.

Tony Segreto, NBC 6 news anchor, was the master of ceremonies at the event, which drew over 200 attendees. The evening kicked off with a cocktail hour in the club room overlooking the UC Arena basketball/volleyball court. Dinner followed on the north auxiliary court, after a special video tribute to the inductees from Ray Ferrero, Jr., J.D., NSU president, and a welcome from George Hanbury II, Ph.D., NSU executive vice president and chief operating officer.

Michael Mominey, NSU director of athletics, bestowed each inductee with a Hall of Fame jacket, ring, and plaque to commemorate their enshrinement.

Hansley was presented by his daughter, Michelle, and son, Kenny. Cubillas was presented by Giuseppe DePalo, NSU men’s soccer coach. Fischler was presented by his son, Bruce, while Sawyer and Riley were both presented by

Mark Cavanaugh, NSU associate professor of social and behavioral sciences and faculty athletic representative.

The evening’s festivities also featured the unveiling of the Athletic Hall of Fame Wall in the atrium of the University Center’s main entrance. The Athletic Hall of Fame wall honors the current Hall of Fame Class, as well as each of NSU’s all-time team sport championships and all-time award winners, including All-Americans and Conference Players of the Year. The NSU Athletic Hall of Fame was established as part of the 25th anniversary of the creation of the university’s first athletic program in men’s basketball. ■



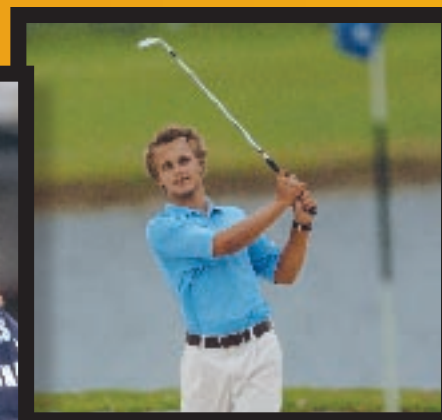
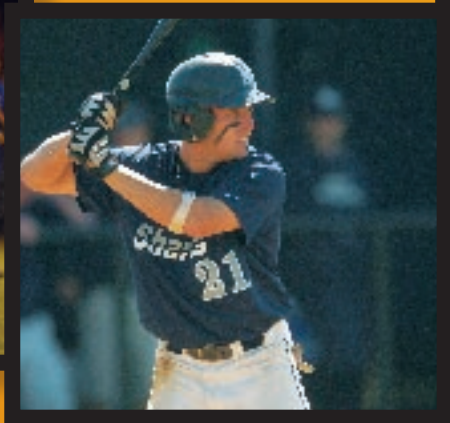
(L–R) David Riley; Charles Hansley; Abraham Fischler, Ed.D.; Shannon Sawyer; and Teofilo Cubillas, Jr.

BOB PRIOR IS ASSOCIATE DIRECTOR OF ATHLETICS COMMUNICATIONS AND EXTERNAL OPERATIONS.

scoreboard

Nova Southeastern University On and Off the Field

BY BOB PRIOR



The Sharks had stellar performances in 2006–2007, both academically and athletically, with 55 NSU student-athletes named to the Sunshine State Conference (SSC) Commissioner's Honor Roll for the spring 2007 semester. Included were rowers **Miglena Dzhupanova** and **Taylor Liput**, who were also two of the 69 SSC student-athletes to carry a perfect 4.0 GPA.

To be eligible for the Commissioner's Spring Honor Roll, a student-athlete must post a minimum grade point average of 3.20 on a scale of 4.0. Other sports represented included men's and women's basketball, baseball, softball, men's and women's tennis, men's and women's golf, and women's rowing.

There were many athletic team and individual awards and accomplishments this season.

TEAM ACCOMPLISHMENTS

Men's Golf: After securing its title as a Sunshine State Champion, the golf team finished its season ranked third in the nation and tied for fifth place at the NCAA Division II South/South Central Super Regionals.

Women's Rowing: The Sharks Varsity 4 crew finished in third place in the NCAA Division II Fours Grand Finals during the NCAA Women's Rowing Championships, held on Melton Hill Lake in Oak Ridge, Tennessee, this season. Varsity 8 con-

cluded its season with a record fourth straight trip to the NCAA National championship competition. In doing so, it completed the season fourth overall in the NCAA DII Womens' Rowing Grand Finals.

The Varsity 8 boat (aptly named the Ray Ferrero, Jr.) was named as boat of the year by the Sunshine State Conference.

INDIVIDUAL AWARDS AND ALL-AMERICAN HONORS

Freshman **Eric Cole** (Orlando, Florida) and junior **Greg O'Mahony** (Tequesta, Florida) claimed GCAA/PING Honorable Mention All-American honors in golf.

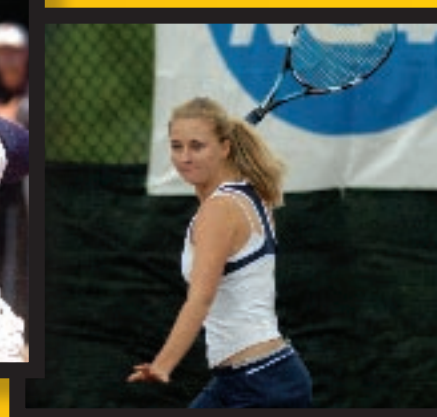
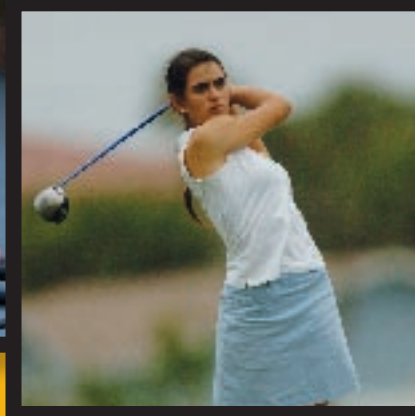
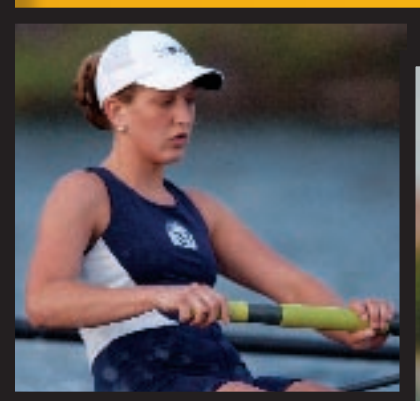
In doing so, the duo lands the first NCAA Men's Golf All-American Honors in the history of the NSU men's golf program.

Cole was also Sunshine State Conference Freshman of the Year and First Team All-SSC and PING All-South Region and finished the spring season with an individual national ranking of 43rd among Division II golfers and 10th in the South Region.

O'Mahony was named to the 2007 All-SSC Men's Golf team. He finished the spring season with an individual national ranking of 49th among all Division II golfers and 12th among all South Region golfers.

Women's tennis player **Alexa Korotkevich** (junior, St. Petersburg, Russia) earned her second ITA All-American Honor

Student-Athletes Excel



(L-R): Stephanie Quinones, Matt Mindick, Cheyenne Poskey, Eric Cole, Nicole Felluca, Maria Garcia Austt, Braylan Valencia, and Alexa Korotkevich

this season, her first as a singles player. Last season Korotkevich and doubles partner **Ulia Talalenko** (sophomore, Naples, Florida) were named to the ITA Doubles All-American team.

Katie Veltri (senior, Loxahatchee, Florida) was named to the CoSIDA/ESPN The Magazine Academic All-American Third Team this season. The Sharks' softball utility player, honored for outstanding academic achievement, was also named Sunshine State Conference Player of the Year and First Team All-America for her outstanding performances on the playing field.

Baseball player **Matt Mindick** (Boynton Beach, Florida) was named a Rawlings/ABCA All-American. The junior centerfielder became the first position player in NSU history to be named an NCAA All-American, as he was placed on the All-American Second Team, after a nation-wide vote by NCAA Division II baseball coaches. Outfielder **Brayan Valencia** (freshman, Pembroke Pines, Florida) took one of the conference's top honors by being named the SSC Freshman of the Year.

Seniors **Cheyenne Poskey** (San Diego, California) and **Nicole Felluca** (Canandaigua, New York) were chosen as First Team All-Americans for their performances on the women's rowing team, while senior Taylor Liput (Smithville, New Jersey) and junior Miglena Dzhupanova (Sofia, Bulgaria) were honored as National Scholar-Athletes. Cheyenne Poskey

became the first two-time All-American in NSU rowing history; Felluca, a two-time All-SSC selection, became the first student-athlete at NSU to be named SSC Rower of the Year.

Maria Garcia-Austt (Montevideo, Uruguay) had a simply stellar freshman debut as a member of the women's golf team. She was named the PING NGCA Division II Player of the Year and Division II Freshman of the Year by the National Golf Coaches Association, SSC Women's Golfer of the Year, and SSC Women's Golf Freshman of the Year, as well as selected to the Duramed FUTURES Tour NGCA Division II All-America First Team. Garcia-Austt became the third NSU women's golfer to earn NCAA All-American honors, along with Lina Bjorklund in 2006 (Second Team) and Jenni Mostrum in 2005 (Honorable Mention). Garcia-Austt also became the first NSU athlete to be named National Player of the Year and Freshman of the Year.

Midfielder **Stephanie Quinones** (sophomore, Pembroke Pines, Florida) was named to the National Soccer Coaches Association of America's (NSCAA) All-American Third Team and selected to the All-Sunshine State Conference First Team and DAKTRONICS All-South Region Second Team. In addition to these honors, she was named to the NSCAA All-South Region Team. Quinones, a playmaking central midfielder from nearby American Heritage High School, co-captained the Sharks to their first-ever NCAA appearance. ■

BOB PRIOR IS ASSOCIATE DIRECTOR OF ATHLETICS COMMUNICATIONS AND EXTERNAL OPERATIONS.

Centralizing Collaborative Research

Nova Southeastern University is planning to build Florida's largest wet-lab research facility. The Center for Collaborative Research (CCR), scheduled to open in 2009, will cost more than \$50 million to construct and have an additional \$5 million worth of research equipment, in addition to our in-place lab inventory.

The 208,000-square-foot building on NSU's Fort Lauderdale-Davie campus, will be a state-of-the-art, cooperative interdisciplinary center for medical, pharmaceutical, dental, and oceanographic research.

"We are committed to establishing a premier facility that will advance the research needs of the scientific community in a variety of areas," said Fred Lippman, R.Ph., Ed.D., chancellor of NSU's Health Professions Division. "Our goal is to promote a holistic approach to prevention, diagnosis, and treatment."

The CCR will house one of the largest wet-lab research facilities in Florida. The wet lab will be a home base for applied health care research and medical informatics. Researchers will collaborate within this advanced environment to investigate pharmaceutical synthesis, cancer therapy, human stem cell research, biomaterials, wildlife DNA forensics, and ocean biomaterials.

Located just east of NSU's Health Professions Division, the CCR will be home to the Rumbaugh-Goodwin Institute for Cancer Research, NSU's part of the Florida LambdaRail, information and technology services, investigators from the Health Professions Division and Oceanographic Center, and the U.S. Geological Survey (USGS). The federal agency is partnering with NSU, Florida Atlantic University, and the University of Florida to promote scientific cooperation for the Greater Everglades Restoration Project.



SOME OF NSU'S MAJOR RESEARCH PROJECTS INCLUDE

- **New Cancer Therapies:** Appu Rathinavelu, Ph.D., executive director of NSU's Rumbaugh-Goodwin Institute of Cancer Research, is working on pharmaceuticals to fight cancer.
- **Wildlife DNA Forensics:** NSU's Guy Harvey Research Institute, led by Mahmood Shivji, Ph.D., has developed cutting-edge, DNA-based forensic techniques and markers to rapidly identify illegally caught shark carcasses, dried shark fins, and other products obtained from shark fisheries and fin markets.
- **HIV Prevention:** The HIV pandemic continues to be a public health problem throughout the country. Isa Fernandez, Ph.D., and her NSU research team have more than 10 years of experience working in HIV prevention for at-risk populations in South Florida. Her research focuses on HIV and AIDS prevention programs.
- **Heart Disease:** NSU researchers, led by Luigi Cubeddu, M.D., Ph.D., are investigating the affects of coronary heart disease.
- **Stem Cell Research:** NSU's College of Dental Medicine is only a decade away from being able to grow replacement teeth for patients, say researchers. This exciting breakthrough in endodontics is being spearheaded by the research of Peter Murray, Ph.D., an associate professor at the College of Dental Medicine. Murray and two graduate students, Mohammed Elseed, D.M.D., and Eric Gottlieb, D.D.S., are making headway in the field of regenerative endodontics using unique methods that incorporate stem cells. ■



NSU BY THE NUMBERS

25,960 total undergraduate, graduate, and first professional students as of fall 2006

7,020 degrees conferred annually

598 full-time faculty members

16:1 student/instructor ratio

4,500 seats at the new University Center arena

More than **\$45 million** in outside funded research

16 NCAA Division II athletic teams

325,000-square-foot library—the largest library building in Florida

More than **110,000** alumni

Approximately **720,000** volumes housed at our university libraries

6th largest independent, not-for-profit institution of higher education in the United States

300-acre main campus

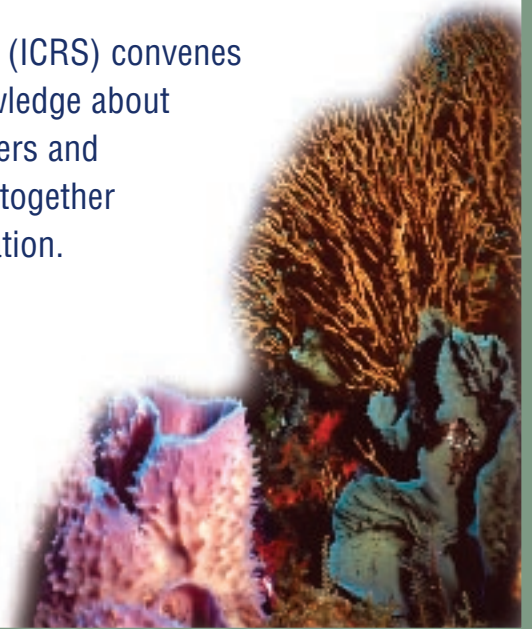


11th  International
Coral Reef
SYMPOSIUM 2008
FORT LAUDERDALE • FLORIDA • USA
JULY 7–11, 2008

Nova Southeastern University's National Coral Reef Institute is proud to chair the organizing committee of the 11th International Coral Reef Symposium.

Every four years, the International Coral Reef Symposium (ICRS) convenes as a major scientific conference to provide the latest knowledge about coral reefs worldwide. Natural scientists, resource managers and users, conservationists, economists, and educators meet together to advance coral reef science, management, and conservation.

For more information, please visit
www.nova.edu/ncri/11icrs/.



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