HELPING THOSE SUFFERING IN VENEZUELA

As Venezuela descends into political and economic chaos, Pablo Henning ’16 is taking a stand in Houston. Henning created Saludos Connection, a nonprofit organization to provide humanitarian aid to people in his home country.

With the help of his mother, Maria Cristina Manrique, and fellow Rice alum Ujalashah Dhanani ’15, Henning established the organization this year. “Our mission is to facilitate access to health care, nutrition and education in Venezuela,” Henning said. “The reason we exist is because the government has outlawed international aid.”

According to a New York Times article, Venezuelan President Nicolas Maduro refuses to accept help from other countries even though the

RICE STUDENTS HELP HARVEY VICTIMS

On Aug. 25, as Houston prepared for Hurricane Harvey to hit land, Rice students, faculty and staff were brainstorming about how to help during and after the storm, which turned into one of the worst natural disasters in Texas history.

Justin Onwenu ’18, president of the Rice Student Association, said the response to Hurricane Harvey was multifaceted and focused on taking care of members of the Rice community, assisting those who remained on campus to keep things running during the storm and helping those in Houston who would need aid following the storm.

Rice’s Doerr Institute for New Leaders, the Center for Civic Leadership, and the Student Association and Graduate Student Association collaborated quickly to create the Rice Harvey Action Team (R-HAT), an effort to match volunteers with specific community needs. Dan Wallach, professor of computer science, helped

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shortage of food and medicine is killing countless of people.

“Hospital wards have become crucibles,” asserts the article, “where the forces tearing Venezuela apart have converged. Gloves and soap have vanished from some hospitals. Often cancer medicines are found only on the black market."

In its own humble way, Saludos is trying to alleviate the suffering. By holding bazaars and other cultural events throughout the city, Saludos collects donations in the form of money and medical supplies, such as analgesics, antibiotics, bandages, gloves, surgical tools, sutures and syringes and sends them to Venezuela. Some of the money collected was also used to buy a car for an institution that helps the poor in remote villages.

At one recent benefit concert, Saludos raised over $3,000, which will be used to buy medicine and pay a private courier to ship the supplies to Venezuela. In Venezuela, Saludos has partnered with SOS Somos Portuguesa and Hospital Ortopédico Infantil — two nonprofit organizations that work in poor communities, where people are dying from malnutrition and dehydration caused by parasites.

“Thank God for Saludos,” said Maria Alejandra Ramos, who founded SOS Somos Portuguesa (Portuguesa is a state in Venezuela). "We have helped 1,500 children with the supplies they have sent. Their help is very much appreciated and we hope to continue collaborating with them,” said Ramos, who came to Houston to attend the benefit concert. She added that she takes the medical supplies every day in a jeep to poor, remote villages that lack health care centers. “The work is hard, but that doesn’t stop us. Our passion to care for the children is stronger than the difficulties.”

Long before he started Saludos, Henning was active in making people aware of the crisis in Venezuela. When he was a junior at Rice in 2014, he held two peaceful rallies on campus, one in front of Willy’s Statue, where he held signs in support of the student protests in Venezuela; and another at the Brockstein Pavilion, where he filmed people holding a sign that said “We Are With You.” He posted the film on Facebook.

“People were aware that something was going on in Venezuela, but they didn’t understand why students were protesting there,” said Henning.

Henning, who is quiet and thoughtful, said his studies and training at Rice prepared him for his work with Saludos. He double majored in art history and bioengineering with a focus on global health technology. He participated in the Rice 360° Institute for Global Health, where he was part of a team that designed a low-cost, rugged syringe pump called AutoSyp, a machine that delivers intravenous drugs or fluids in controlled amounts. AutoSyp was designed for use in developing countries and has the potential of saving millions of babies and pregnant mothers. With Rice 360°, he also spent a summer at a cancer hospital in Barretos, Brazil, where he developed clinical information for a melanoma screening device.

After he graduated from Rice, Henning sought a job where he could use his knowledge and skills. He found it by helping his mother. For years, his mother and her expatriate friends had been helping people in Venezuela, and then last year began sending small amounts of medical supplies through suitcases. But when the situation became critical in that country, Henning decided to turn his mother’s group into a nonprofit and expand its activities and reach.

“Everything I learned at Rice, especially with Rice 360°, was able to use in managing Saludos,” he said. “Everything I learned in my second country I was able to use to help my first country.” Henning is now managing director of Saludos, but doesn’t earn a salary.

“Saludos Connection is a nonprofit, humanitarian organization that helps those suffering in Venezuela,” Dhanani, a co-founder and a Muslim-American whose parents came from South Asia, said. “Those tortured people are my people, in the same way that Indians and Pakistanis and Bangladeshis and Nepalis are my people, because we are all people.” Dhanani works 40 hours a week as a volunteer.

Another Rice alum, Katherine McElroy ’16, also volunteers with Saludos by helping to organize, catalog and pack the donated supplies. “I help because I care,” said McElroy, who is a student at McGovern Medical School in Houston.

“Pablo has brought in a vision that will help Saludos flourish through connecting the Venezuelan and non-Venezuelan communities for a common cause of caring for those who cannot care for themselves. I am proud to play a humble role in this process, and I am proud of my friend, Pablo.”

— DAVID D. MEDINA

MULTICULTURAL COMMUNITY RELATIONS
PUBLIC AFFAIRS
A STORM OF ACTIVITY:
More than 1,700 Rice students volunteered to help victims of Hurricane Harvey. They cleaned houses, worked at NRG Center, the George R. Brown and the Houston Food Bank and also took care of abandoned pets.

Hillary Nitsun, the administrative coordinator for Congregation Beth Yeshurun, one of the faith-based organizations that offered support for storm victims, was one of many community partners to thank the volunteers from Rice.

“I don’t know what we would have done without them,” she said. “We are so grateful.”

Rice was closed Aug. 26 through Sept. 4, and although a skeleton crew operated the university and cared for students still on campus, students did their part. They worked to keep their residential colleges clean, helped with cooking duties in the serveries, took inventory of supplies on campus, unloaded supply trucks once they were able to make it to campus, assisted in staffing areas that remained open on campus and assessed the needs of Rice community members impacted by the storm. The students also collected toiletries and other supplies for employees who were stranded on campus, and for those in the community.

“The students were fabulous,” said Susann Glenn, communications manager for Housing and Dining, who remained on campus through the storm. “They really did their part to help keep the campus up and running, to keep staff members motivated and to make sure everyone was taken care of.”

Students created a large banner with messages expressing their gratitude toward the Rice staff who remained on campus.

Senior Edward Gao was one of many student volunteers. He said that many of his friends began volunteering, which had a ripple effect and motivated others to go out and help.

“Just seeing everyone volunteering out in the neighborhoods or out in the shelters was very heartwarming to me, especially since I was born and raised in Houston,” he said. “I felt like I had to come out and help them.”

Senior Evan Flack helped with house cleanup efforts in Houston’s Meyerland neighborhood and visited one of the local synagogues to do food preparation.

“We (Rice students) were totally fine, and in a position where we needed to help those who needed assistance and extra manpower,” he said. “This experience has helped me understand the value of volunteerism, especially when there is a very clear need.”

— AMY MCCaIG
SEniOR MEDIA RELATIONS SPECIALiST
PUBLiC AFFAIRS
THE HEALTH NEEDS OF UNDOCUMENTED IMMIGRANTS

Last October, President Donald Trump’s administration ended the Deferred Action for Childhood Arrival (DACA) program, which allowed undocumented immigrants brought to the U.S. as children to receive renewable two-year education and work permits that protected them from deportation.

Since 2012, about 800,000 young, undocumented immigrants have received protection under the DACA program and about 300,000 more are eligible for benefits. This event, along with growing animosity against people of different backgrounds and political orientations, has increased the distress and fear among the undocumented community.

A series of studies led by Luz Garcini, a postdoctoral fellow, and Christopher Fagundes, assistant professor of psychology, at the Rice Biobehavioral Mechanisms Explaining Disparities (BMED) Lab, have shown that the psychological distress experienced by undocumented immigrants is associated with increased risk of mental disorders, particularly depression and anxiety.

In response to this problem, the BMED Lab is leading outreach efforts through Project VOICES. Garcini is collaborating with psychologists from the National Latino Psychological Association and advocacy leaders from United We Dream on the development and dissemination of psychoeducational materials providing tips for coping with distress associated with the termination of DACA. Additionally, Garcini talked to more than 30 Hispanic leaders from the Archdiocese of Galveston-Houston to propose a training model that would offer support in churches for immigrants suffering from distress because of this political situation.

The BMED Lab also leads research efforts aimed to inform the mental health needs of the undocumented community in Houston, including those affected by the termination of DACA and Hurricane Harvey. For instance, Garcini and Fagundes, in collaboration with University of Houston faculty, are conducting a survey to assess the effect of Hurricane Harvey and the termination of DACA on the mental health and social behavior of undocumented immigrants and their families.

This survey also aims to identify coping strategies to help ameliorate distress among those affected. Other efforts in this line of research include the development of a grant aimed to study how distress “gets under the skin” of young undocumented immigrants transitioning into adulthood by documenting its effects on the body’s cellular immune functioning, which eventually causes it to break down and develop disease. Results from these studies will be useful to inform advocacy, policy and intervention efforts on behalf of this vulnerable immigrant community.

These efforts are only the beginning of much needed outreach. More collaboration, research and funding are required to document the devastating effects of the current sociopolitical climate on the health of marginalized immigrant communities, particularly in the face of adversity. It is critical to find ways to inform vulnerable communities about how to access health services and inform them of better health practices. This is crucial to protect their human rights and those of their U.S.-born families.

HIGH SCHOOL STUDENTS SERVE INTERNSHIPS AT RICE

For the past four years, Rice Emergency Medical Services (REMS) and the Rice University Police Department (RUPD) have been offering students from Cristo Rey Jesuit College Preparatory School of Houston an opportunity to gain valuable work experience.

One day a week, a student from the high school comes to Rice to work at RUPD and REMS offices. The students perform a variety of tasks, including clerical, helping to restock medical supplies, organizing materials for training classes and preparing for large-scale events with the students from REMS.

“It’s different from what I expected. I actually like coming to work,” said Arianna, a ninth grade student who started working at Rice this semester. “I really enjoy working at Rice because most of my supervisors are very understanding. Working at Rice could help me later on with giving me a taste of what a job is going to be like after high school. The work that I do helps me learn how to stay organized.” Arianna hopes to major in criminology and join the FBI.

Three years ago, Rice Athletics also accepted a student worker from Cristo Rey. The students work with the athletics events and facilities team, helping to get everything ready for a variety of sporting events.

Having worked with students over several years, the departments agree that the partnership with Cristo Rey has been a positive experience for everyone involved. The high school students take an active role in the mission and daily work of each department and engage with the students, faculty and staff at Rice. This fall, two new students have been selected to work at Rice.

— LISA M. BASGALL
DIRECTOR
RICE EMERGENCY MEDICAL SERVICES

— LUZ GARCINI
POSTDOCTORAL RESEARCH FELLOW
DEPARTMENT OF PSYCHOLOGY
CHINESE STUDENTS VISIT RICE

The Miner Lounge was indeed full of minors on Oct. 4, when, for the second year, Rice University’s Chao Center for Asian Studies (CCAS) hosted 20 visiting students from Foshan No. 2 High School in Foshan, China.

The students were participating in a two-week educational exchange program sponsored by the Fort Bend County Global Initiative in partnership with Fort Bend ISD.

As Rice University offers a variety of courses in Asian studies, these visiting high school students were curious to learn what American students learn and were offered a glimpse of that during their visit.

Accompanying the students were four of their teachers from Foshan and several students, teachers and staff representing Fort Bend ISD. Each visiting student had been paired with a FBISD student to shadow at school. The visit to Rice also included a tour of the campus.

Mike Madden, FBISD’s coordinator of student leadership, and Meng-Yu Wang, a teacher at FBISD’s Dulles High School, accompanied the group, with Wang serving as the interpreter.

Madden clearly hinted that all these students should be interested in attending Rice, a fitting remark given that one of the goals of the FBISD’s Office of Student Leadership is to develop “the leadership potential in all students through character education, various leadership development experiences and community service.”

Charles Dupre, FBISD’s superintendent of schools, succinctly captured the value of the exchange program for all of the students and families involved. “Every single student I have talked to,” Dupre said, “and every single parent, has said that it has changed their lives.”

— HAEJIN E. KOH
ASSOCIATE DIRECTOR
CHAO CENTER FOR ASIAN STUDIES

CONCERT RAISES FUNDS FOR HURRICANE HARVEY VICTIMS

In the wake of Hurricane Harvey, Rice’s Mariachi Luna Llena hosted a benefit concert Sept. 21 in the Grand Hall of the Rice Memorial Center to support those affected by Hurricane Harvey.

Over 200 people — students, staff, faculty and members of the Houston community — attended the event. The concert raised $1,400 for the United Way Harvey Relief Fund, which helps meet storm-related needs and recovery in the Houston community.

“I have always admired the power of music to bring together a community, but the turnout of the Houston and Rice community at our Harvey benefit concert truly reinforced this idea for me,” said Sonia Torres, former president of the mariachi group and lead organizer of the concert. “It fills me with pride that the beautiful tradition of mariachi was able to raise so much money for Harvey victims.”

Members of the Mariachi Luna Llena had two goals for the event: to raise financial support and raise awareness for the many affected Houstonians who are still displaced and rebuilding. Comprised of 18 members, the ensemble is dedicated to building cultural bridges both at Rice University and in the Greater Houston community and keeping the rich tradition of mariachi music alive through public and private performances.

— KENDALL SCHOEYMANN
STAFF WRITER
PUBLIC AFFAIRS

A COMPETITION GONE GLOBAL

Every April, 42 graduate-level university teams from around the world gather at Rice University to participate in the Rice Business Plan Competition. More than 125 team members receive mentoring and written feedback on their innovative technologies and startup concepts from 275 judges, themselves successful entrepreneurs, investors and industry experts from various countries.

The winner of the 2017 competition, Forest Devices from Carnegie Mellon, took home more than $700,000 in prizes, helping to launch its business, as well as making valuable contacts to develop other businesses.

The competition offers a national platform to showcase the winning team and encourage young entrepreneurs. For the 10th year in a row, the winner of the Rice Business Plan Competition traveled to New York to ring the Nasdaq closing bell.

Brad Burke, managing director of the Rice Alliance and host of the competition, kicked off the closing bell ceremony. Peter Rodriguez, dean of the Jones Graduate School of Business; 25 Rice MBA students; and Rice Alliance supporters also attended the ceremony, which was covered on several major television networks. The event was followed by an alumni reception hosted by Matthew Harrigan ’07 at Build Grand Central. Located on Madison Avenue, Build Grand Central houses an accelerator for technology innovations.

The New York trip included media visits with the Economist, Wall Street Journal, Forbes, Princeton Review and Entrepreneurship magazine to discuss the role Rice plays in the Houston and national economic development ecosystem.

— MARY LYNN FERNAU
DIRECTOR OF MARKETING
RICE ALLIANCE FOR TECHNOLOGY AND ENTREPRENEURSHIP
RICE STUDENTS LEARN TO LEAD THROUGH TEACHING

A new course at Rice University is providing students with leadership experiences by having them teach science at a local elementary school.

Taught by Carolyn Nichol and Carrie Owens from the Rice Office of STEM Engagement, LEAD 238 STEM Outreach: Intro to Civic Science is an elective that is bringing science to Sinclair Elementary. At the beginning of the semester, Sinclair was lacking one of the four-person teams that teaches fourth grade, and as a result, Rice students were able to get into these classrooms to teach science.

The fourth-grade students were instantly excited to have Rice students as teachers, as well as to experience science in active and engaging ways. As early as the first visit, students hugged the Rice instructors before they left for the day. Cheers erupted when the students were told they would be having weekly lessons from the university students. The relationships being built by these regular classroom visits enriches both the Rice and elementary students.

The Rice students are working with all of the fourth-grade classes and will teach seven different science lessons by the end of the semester. The course is modeled after UTeach Outreach at the University of Texas, and they shared the lessons they developed to be aligned with the state curriculum. The lessons include fun and messy hands on activities such as testing materials for conductivity, comparing mixtures and solutions, and modeling the water cycle.

Rice students practice the lessons during class time on campus, taking turns being the teacher while the others pretend to be disruptive 9-year-old students. This preparation has been useful, as the Rice students have faced very active fourth graders. When the Rice students called out “Rice Owls” to the class, the young students made the sign of the Rice owl with their hands, repeated the chant and focused their attention on the Rice students.

The STEM Outreach course will culminate with the students offering proposals to address a need that has been observed through the experiences of teaching fourth-grade science. A semester of service learning will certainly encourage Rice students to continue to have a positive impact on the Houston communities. The funding to buy supplies was generously provided by the Rich Family Foundation and the Brown Teaching Grant.

— CARRIE OBERLAND OWENS
ASSISTANT DIRECTOR FOR OUTREACH AND RESEARCH
RICE OFFICE OF STEM ENGAGEMENT

RUSMP AND TEXAS INSTRUMENTS SUPPORT STEM TEACHERS

Middle and high school teachers from around the country gathered at Rice University this summer to enhance their knowledge of technology integration, coding, interdisciplinary connections and instructional practices that support student learning.

The Rice University School Mathematics Project (RUSMP) and the Teachers Teaching With Technology program of Texas Instruments (T³™) co-hosted the first RUSMP T³™ Professional Development Summit.

The goal of T³™, established in 1986 by Ohio State mathematics professors Frank Demana and Bert Waits, is to provide quality professional development that enables the mathematics and science educators to be successful in the classroom through the appropriate use of technology.

In sessions led by Texas Instruments T³™ instructors, participants used a variety of Texas Instruments technologies, including graphing calculators, the TI-Navigator classroom learning management system, and a project kit that makes coding and engineering design accessible to students in the classroom. Participants explored innovative ways to integrate technology in STEM learning through sessions that focused on a variety of topics, including sessions on applying math in the real world with STEM, coding projects for the math classroom and principles of engineering design.

For example, in one session that focused on tasks that promote reasoning and problem-solving, participants used TI-Nspire™ technology and the TI-Navigator learning management system to solve real-world problems and to respond to polls that would ascertain understanding of concepts learned. Discussions were then held as to how to use data obtained from the use of this technology to determine how well students understood concepts and to develop next steps to support student learning.

Although the focus of the summit was on the use of technology, several sessions focused on other aspects of instruction, such as open-ended struggle as the key to learning and projects for after school clubs and camps.

The summit built upon the longstanding relationship between RUSMP and Texas Instruments and the Teachers Teaching With Technology program of Texas Instruments (T³™).
Instruments. Since RUSMP’s inception in 1987, TI has been an important partner in RUSMP’s work with STEM teachers. The two organizations share a philosophy on the importance of providing teachers with the resources needed to create student-centered learning environments.

“The summit was such a fabulous event! It was an absolute joy to work with RUSMP to organize this,” said Pareesa Shirazi, educational technology consultant for Texas Instruments.

Participants were also effusive in their praise about the summit. One participant said: “I loved the lesson examples I received that will help me share my love for learning math through science.” While another enthusiastically remarked: “Fantastic. Best one-day workshop ever.”

Building on the positive response, RUSMP and Texas Instruments have already started planning for next year’s summit in August 2018 and are looking forward to the summit becoming an annual event.

— RICHARD PARR
EXECUTIVE DIRECTOR
RICE UNIVERSITY SCHOOL MATHEMATICS PROJECT

RICE’S MOST DIVERSE CLASS

The recruitment efforts of the Office of Admission have resulted in one of the most ethnically and socioeconomically diverse classes in Rice’s history.

This year, 59 percent of the students in the freshmen class identified themselves as either black, Asian-American, Hispanic, Native American or multiracial.

A host of events throughout the year have paved the way toward this success. Rice is a founding partner with QuestBridge, an organization whose mission is to connect the nation’s brightest students from low-income backgrounds with leading institutions of higher education.

Our participation in this program underscores our longstanding commitment to increasing the number of low-income students at Rice. As a result of this partnership, we welcomed 80 QuestBridge students to Rice this fall. The Quest Scholars group at Rice is an officially recognized club on campus and collaborates with faculty from the Center for College Readiness and other organizations for first-generation college student support.

For more information about the program, visit www.questbridge.org. In May 2018, Rice will host a QuestBridge College Prep Program. We will look to the Rice community to help put on the best program possible.

Each fall, the Office of Admission hosts a select number of prospective students who are Seeking Opportunities at Rice (SOAR). The SOAR program is a great opportunity for them to gain insight into Rice by staying overnight on campus with undergraduates, attending classes, meeting with professors and alumni, and experiencing campus life at Rice. This is an expenses-paid opportunity for prospective students that occurs alongside our Discover Rice (Open House) program. SOAR students benefit from activities planned for both events. The application for SOAR is typically available in late June and closes in mid-August. SOAR 2017, which took place Sept. 30 through Oct. 2, brought 153 students to campus.

Many ethnically diverse students credit VISION with giving them an invaluable experience, which led to their selecting Rice as their college choice. Many ethnically diverse students who have applied for admission to Rice. During this invitation only program, participants attend classes, stay overnight with Rice students, take sessions on financial aid and student advising and support, interact with professors and alumni, and explore the various cultural and social organizations on campus.

Of course, outside of these programs and events, we welcome and encourage interested students to visit Rice whenever it fits into their travel plans. We have weekday information sessions and tours throughout the year, and will have Saturday morning options in peak seasons. For more information, visit http://futureowls.rice.edu/home.aspx.

— TAMARA SILER
SENIOR ASSOCIATE DIRECTOR OF ADMISSION AND COORDINATOR OF MINORITY RECRUITMENT OFFICE OF ADMISSION
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RICE AT LARGE is a quarterly newsletter that showcases the university’s outreach programs. Each issue of the newsletter includes a series of stories that raise the awareness of Rice’s engagement with the city and beyond. Rice At Large has a circulation of 2,500 and is sent to members of the Rice and Houston communities, including alumni, educators, business and political leaders, program funders and others with whom the university would like to engage.