Mystery of Easter Island

For centuries, scientists have tried to solve the mystery of how the colossal, multi-ton stone statues of Easter Island traveled up to 11 miles from the quarry where most of them were carved, without the benefit of wheels, cranes, or even large animals.

Scientists have tested many ideas in the past, figuring that the islanders must have used a combination of log rollers, ropes, and wooden sledges. Now two archaeologists have come up with a new theory: Perhaps the statues, known as moai, were “engineered to move” upright in a rocking motion, using only manpower and rope.

Anthropology professor Terry Hunt of the University of Hawai‘i at Mānoa and Carl Lipo of California State University Long Beach worked closely with archaeologist Sergio Rapu (a member of the South Pacific island’s population of indigenous Rapanui) to develop their idea. They’ve observed that fat bellies allowed the statues to be tilted forward easily, and heavy, D-shaped bases could have allowed handlers to roll and rock the moai side to side.

Last year, in experiments conducted at Kualoa Ranch on O‘ahu and funded by the National Geographic Society’s Expeditions Council, Hunt and Lipo showed that as few as 18 people could, with three strong ropes and a bit of practice, easily and relatively quickly maneuver a ten-foot, five-ton moai replica a few hundred yards without the use of logs. To view animation and footage of these experiments, visit http://ngm.nationalgeographic.com/2012/07/easter-island/bloch-text.html.

Their efforts were documented in a NOVA-National Geographic television special titled Mystery of Easter Island, which aired in November on PBS (to high ratings, according to PBS, we might add). The public was invited to meet Hunt and Lipo, enjoy an excerpt preview of the PBS special prior to its airing in November, and have the professors’ newly penned book The Statues That Walked: Unraveling the Mystery of Easter Island signed.
The Statues That Walked

The Statues That Walked: Unraveling the Mystery of Easter Island by Terry Hunt and Carl Lipo (see cover story) was named winner of the 2012 Society for American Archaeology Book of the Year Award in the Public Audience category.

Hunt and Lipo’s research on Easter Island was also the cover story of National Geographic magazine’s July 2012 issue.

“Our book rewrites the island’s pre-European history, and we also tell our own story of discovery,” said Hunt, who said the book dispels common speculation that Easter Island’s Polynesian civilization suffered an environmental catastrophe and collapsed before Europeans arrived.

Hunt and Lipo’s findings are the culmination of more than a decade of research, including several UH Mānoa archaeological field schools training more than 100 students.

There are nearly 1,000 statues known as moai on Easter Island, each weighing 14 tons on average and leading many archaeologists to assume that a large population must have existed to carve and transport these giants. This large population, some reasoned, destroyed their environment and met their demise by their own reckless actions.

Older theories imagined that the massive statues were moved by chopping thousands of trees for sleds and hauled by hundreds of workers. Hunt and Lipo’s conclusion—stating that the Polynesians of Easter Island were “very resilient people”—contrasts those of some popular writers.
Dear Alumni and Friends,

No one could have predicted the ways that technology has transformed everyday living. While we can debate the pros and cons of these changes, we can’t ignore the fact that this is the new normal and more transformation is on its way. Universities, in this unprecedented era, are asking a question never before considered: “will our bricks-and-mortar institutions survive?”

“Yes,” we resoundingly reply. “Not only will they survive, but also they will thrive.” This optimism is based on our belief that real-life classroom learning provides a far superior academic experience. The face-to-face approach to teaching and learning allows for thoughtful discussions with immediate inquiry and response, accurate communication, critical peer bonding, and structure, to name just a few advantages. The beauty and power of the spoken word will almost always trump a screen of text [which often has to be accompanied by symbols or emoticons to accurately convey meaning]. Times have certainly changed, but thankfully, the natural desire for and unparalleled effectiveness of human interaction have not.

People are the very reason Arts & Sciences has a fine record of accomplishment. The stories in this issue of Ke Kumu ‘Ike reflect this. When students engage in activities such as research, debates, and experiments, they learn multi-dimensionally and from varied perspectives. As deans of the largest academic unit on campus, we intend to capitalize on our greatest asset—people. We will strive to expand, strengthen, and invest in our relationships with them and continue to invest in them. Thank you for assisting us in these efforts and being a part of the Colleges of Arts & Sciences.

Our warmest regards and best wishes for 2013.

Sincerely,

Peter Arnade
College of Arts and Humanities

Robert Bley-Vroman
College of Languages, Linguistics, and Literature

William L. Ditto
College of Natural Sciences

Denise E. Konan
College of Social Sciences

Senior Editor and Writer
Karin Mackenzie
Director
Office of Community and Alumni Relations

Layout and Production
Laarni Gedo
Public Information Officer
Office of Community and Alumni Relations
Wade Davis served as the *Dai Ho Chun Distinguished Lecturer* on December 7 before a standing room only public audience in the Art Building auditorium. Guests were enthralled with Davis’ presentation and pleased that he took the time to sign books made available for purchase.

An Explorer-in-Residence at the National Geographic Society, Wade Davis has been described as “a rare combination of scientist, scholar, poet and passionate defender of all of life’s diversity.”

An ethnographer, writer, photographer and filmmaker, he holds degrees in anthropology and biology and received his PhD in ethnobotany, all from Harvard University. Mostly through the Harvard Botanical Museum, he spent over three years in the Amazon and Andes as a plant explorer, living among 15 indigenous groups in eight Latin American nations while making some 6,000 botanical collections. His work later took him to Haiti to investigate folk preparations implicated in the creation of zombies, an assignment that led to his writing *The Serpent and the Rainbow*, an international best seller later released as a motion picture.

Davis is the author of 200 scientific and popular articles and 17 books including *One River*, *The Wayfinders*, *The Sacred Headwaters*, *Into the Silence* and the forthcoming *River Notes*. His many film credits include *Light at the Edge of the World*, an eight-hour documentary series written and produced for the National Geographic. In 2009 he received the Gold Medal from the Royal Canadian Geographical Society for his contributions to anthropology and conservation, and he is the 2011 recipient of the Explorers Medal, the highest award of the Explorers’ Club, and the 2012 David Fairchild Medal for Plant Exploration, the most prestigious prize for botanical exploration. His book, *Into the Silence*, received the 2012 Samuel Johnson prize, the most prestigious award for literary nonfiction in the English language.
Katsunori Yamazato

In the Meiji Era, the Japanese central government began forcing the Japanese language on the people of the former Ryukyuan Kingdom. Seeking to unify Japan through a single language (kokugo), the government disparaged Ryukyuan languages as mere dialects (hōgen). In Okinawan schools, children were educated to identify themselves as culturally Japanese and were forbidden to speak their own languages. The prejudice against Ryukyuan languages as inferior forms of Japanese became commonplace in Okinawa and persists to this day. However, a new generation of scholars, citizens, writers, and educators is working to revitalize the languages. Dai Ho Chun Distinguished Lecturer Katsunori Yamazato explained before a public audience that literary authors are at the forefront of this vital movement.

Yamazato is Professor of American Literature and Culture, University of the Ryukyus, where he is also Director of the American Studies Center. He was director of the Pacific and North/South American Research Project “Human Migration and the Twenty-first Century Global Society” and founding director of the International Institute for Okinawan Studies. He now chairs the Committee for Research, Art, and Education for the Okinawa Prefecture Promotion Committee, focusing on the revival of the Ryukyuan languages.

Professor Yamazato has published almost 40 books, including translations from English into Japanese of such American writers as Gary Snyder. His recent books include Human Migration and Literature and Living Spirit: Literature and Resurgence in Okinawa.

Several of the pioneering Okinawan writers mentioned in Professor Yamazato’s public talk can be read in English in Living Spirit, a volume of Mānoa journal that he edited with English Professor Frank Stewart in 2011. Among these writers are Matayoshi Eiki, Medoruma Shun, Oshiro Tatsuhiro, Sakiyama Tami, Takara Ben, and Yonaha Mikio.

The Dai Ho Chun Endowment for Distinguished Lecturers in Arts & Sciences is made possible by a generous estate gift from the late Dr. Dai Ho Chun. Chun was a public school teacher, supervisor of student teachers, principal of University Laboratory School, UH faculty member, and director of the International Cooperative Center—the forerunner to the East-West Center. Chun’s estate also established the Dai Ho Chun Distinguished Chair in Arts & Sciences.
The Uehiro Foundation on Ethics and Education of Tokyo, Japan has pledged $1.25 million to fund The University of Hawai‘i at Mānoa Uehiro Academy for Philosophy and Ethics in Education. The academy will be located in the College of Arts & Humanities and support research and education related to the preparation, support, and sustaining of educators, researchers, and students who are developing intellectually safe communities of inquiry in their classrooms and schools. The academy will serve students and teachers from Hawai‘i, the U.S., Japan, and other international locations.

"The creation of the Uehiro academy will greatly enhance the work of P4C Hawai‘i," said Dr. Thomas Jackson, executive director of the Philosophy for Children (P4C) program in the Department of Philosophy. He continued, "It will expand to four the number of educators who will be working full-time to extend the reach of P4C to more schools and teachers in Hawai‘i and abroad who have shown great interest in this philosophical approach to educational transformation."

Waikiki Elementary School and Kailua High School are the major P4C implementation sites on O‘ahu that serve as Model Schools. During the Dalai Lama’s April 2012 visit to Hawai‘i, the world witnessed how the students have embraced mindfulness and ethical questioning - elements that have been integrated into their classroom experience through P4C.

P4C Hawai‘i is based on the premise that philosophy comes naturally to children who continually wonder about the world, and that the process of philosophical inquiry holds valuable lessons for becoming good thinkers. Since bringing P4C to Hawai‘i in 1984, Dr. Jackson has linked UH Mānoa resources with those of the Hawai‘i State Department of Education to help create intellectually safe classroom environments where students learn to inquire together more deeply into topics and questions that arise out of their engagement with the subject matter at hand.
Major Gift Transforms Programs

Arts & Sciences alumna and retired high school teacher Dr. Norma Nichols has established two endowments at UH Mānoa with an estate gift. A native of California, Nichols moved to Hawai‘i in the sixties. She earned her bachelor’s degree in English in 1966, her master’s degree in Art in 1970, and her doctorate in American Studies in 1982. Passionate about education, she taught for 20 years at both Farrington and McKinley high schools. This legacy gift will transform two beneficiary programs: Asian theatre and cancer research.

The Norma Bird Nichols, PhD, Asian Theatre Endowment will support program expenses related to Asian theatre productions in the Department of Theatre and Dance in the College of Arts and Humanities. Funds may be used for costumes, master artist expenses, video recording of training by master artists, music, community outreach, travel, and other production costs.

“The Asian theatre program is one of the signatures of the College of Arts and Humanities, and indeed, of the university,” said Dean Peter Arnade. “Its international prestige is secured, and its popularity is thriving. Increasing production expenses, however, have made mounting these valuable productions more challenging. Norma Nichols’ bequest is of critical importance to ensuring the future of one of the university’s most highly regarded programs. We are deeply indebted to Norma’s generosity—and to her vision of the future of the Asian theatre program.”

The Norma Bird Nichols, PhD, Fund for Innovative Clinical Research will provide bridge grants to University of Hawai‘i Cancer Center faculty, to encourage the exploration of groundbreaking research projects. It will also provide grants to clinical investigators with promising work to allow them to publish/prepare for larger grant funding.

“Private funding is critical in helping our faculty develop and test new ideas,” said Dr. Michele Carbone, director, University of Hawai‘i Cancer Center. “We thank Dr. Nichols for her support of cancer research and helping us bring new therapies and cures to the people of Hawai‘i.”

Personally touched by cancer, Nichols also lost many dear friends over the years to this terrible disease, fueling her desire to support research. “Because of the excellent care and treatment I receive from my current oncologist, who is also a faculty researcher at the University of Hawai‘i Cancer Center, I decided to create an endowment to support cancer research. While I may not see a cure in my lifetime, I know that research has come a long way, just in the last couple of decades. I hope that my gift can help these scientists make more progress, faster.”

Norma Bird Nichols grew up in a household surrounded by art and music, which influenced her love for the opera and the symphony, and ultimately led to her life-long involvement in Hawai‘i’s cultural arts community. Nichols has been a volunteer for the Honolulu Academy of Arts, Hawai‘i Opera Theatre, Chamber Music Hawai‘i, the Diamond Head Theatre, Kennedy Theatre, the Tenney Theatre, the East-West Center Film Festival, and the Honolulu Symphony. She was also the director of the Gallery on the Pali for 25 years.

Learn About Estate and Gift Planning

Charitable estate and income tax planning is an exciting way to fulfill philanthropic goals because such a gift can provide support to the University of Hawai‘i, as well as multiple financial and tax benefits to a donor and her or his family. Additionally, the American Taxpayer Relief Act of 2012 (ATRA), passed on January 1, 2013 by both the U.S. Senate and House, includes clauses favorable for philanthropy and charitable giving.

For more information on estate and gift planning and how it was changed by ATRA, please call University of Hawai‘i Foundation at (808) 956-8849 or visit http://www.uhflegacygift.org/.
Aloha e CASAA Ohana,

It’s been over 50 years since I was a freshman at UH. At that time there was no UH “System”, it was simply, “UH” and that was all you had to say if you were studying here. Tuition for one semester was less than $100. Yes, that was a lot of money then, but earning it was doable without getting into significant debt. Today there are 10 UH campuses and the undergraduate resident tuition for one semester is $4,332. What a difference 50 years makes. This is one of the reasons I decided to succeed the outstanding and inimitable presidency of Bernadette Baraquio, to whom this organization and the Colleges of Arts & Sciences are profoundly grateful.

I remember how it was “back then” when I attended UH. As difficult as it seemed at the time, it is exponentially more difficult now. Students need our help today. I joined CASAA and eventually its board of directors many years ago. Its mission of serving as a scholarship program, among other things, was one which appealed to me. It gives me great pleasure to begin my presidency during this, CASAA’s 20th anniversary year. Since CASAA’s modest beginning in 1993, fundraising efforts resulting in generous gifts from you have helped to establish the “CASAA Academic Opportunities Endowment” and the “CASAA Scholarship Endowment.” We are especially proud to have the “Rodney P. Santos Scholarship” established by our former CASAA president. Over the years, CASAA has carefully, thoughtfully, and steadily created an organization which engages alumni, renews acquaintances, fosters new friendships, and builds a system of financial support for Arts & Sciences students. Eight undergraduates receive CASAA funding each year and we aspire to increase the number of students and the amount of each award. I’m excited to further our goal and “kick it up a notch” to celebrate our 20th anniversary.

I want students to have the same opportunities that I had when life was a little simpler. Our students and alumni are, after all, part of the backbone of society, branching out into diverse fields including medicine, law, the sciences, and business as artists, musicians, teachers, moms, dads, and so much more. Our investment in them will pay off tremendously.

I hope you’ll join me in being a part of CASAA. If you are as passionate and grateful for your UH education as I am with mine, please be a part of CASAA. You can start by joining CASAA as a member (see page 10). Even membership dues support the scholarship program!

I send you my warmest wishes for a wonderful 2013.

A hui hou and Aloha Pumehana,
Jean Toyama, BA ’64
CASAA President

Dinner Raises $11,000

CASAA’s 8th annual wine pairing dinner raised $11,000 for the CASAA Scholarship Endowment. Held at Kapilolani Community College and under the culinary direction of chefs Warren Uchida and David Brown, the dinner was enjoyed by a sell-out crowd of CASAA friends and members. The signature fundraiser is a key reason that over $100,000 has been raised for the endowment in just a few short years. Thank you to all who attended. We gratefully acknowledge the hard working culinary students and staff of KCC, which includes chefs Uchida and Brown, Kevin Donnelly, and David Miyamoto.

(see page 9 photos)
(seated) Stella Grantham, Bernadette Baraquio, and Alma Cirino; (second row) Karin Mackenzie, Peggy Buchwach, and Crystal Pancipanci; (last row) Tess Baraquio, Joan Dubanoski, Lorraleen Au-Racher, and Dick Dubanoski

(seated) Bruce Liebert, Gina Schultz, and Jeannie De Lamos; Lisa Bos, Diana Wehrly, Qi Marie, John Michael White, and Ruth Ann Becker.

(seated) Marylu Sousa and Harry Bradbury; Rebecca Woodland and Charles Crumpton

(seated) Dennis Suyeoka, Peter Arnade, and Abel and Denise Konan

(seated) Christie Wong, Lani Ann Sakoda, and Dick Wong; Ricky Wong and Cecily Wong

(seated) Diane Pang, Portia Jim On; Ethan Routt and Shelton Jim On

(seated) Marylu Sousa and Harry Bradbury; Rebecca Woodland and Charles Crumpton

(seated) Norman Hashimoto, Clara Hashimoto, and Robert Hashimoto; twins Ashley and Tricia Cao; Winnie Chan, Tony Cao, and Kelly Tran

photos by Jessica Ando
Please Join CASAA!

The Colleges of Arts & Sciences Alumni Association is anxious to welcome you as a new member of the CASAA ohana. Fill out the membership form below or visit us on-line.

**Membership Form**

Name ________________________________
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City ________ State ________ ZIP ________ Country ____________
E-mail ________________________________
Home Phone ________________ Work Phone __________________________
UH Degree(s) ____________________________________________

Joint Member ____________________________________________
Chapter ________________________________ E-mail __________________

**Why you should join**

- You will help support scholarships and awards for Arts & Sciences students
- You will be a part of an alumni network of professionals and friends
- You will acknowledge your appreciation of your liberal arts degree
- You will stay connected with the Colleges of Arts & Sciences
- You will enjoy member-only prices to events such as the CASAA breakfast gatherings with guest speakers from UH and the community
- You will be informed of upcoming events, programs, and fundraisers such as the annual wine pairing dinner events

**Two Memberships, One Fee!**

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to UHAA and CASAA

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- UH Student/Recent Grad* $25
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* Within five years of graduation, **50+ years since graduation, or over age 70

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You may also fill out an on-line application at UHalumni.org/join
Debate Team Places in Tournament

Members of the University of Hawai‘i at Mānoa Debate Team recently placed well at the U.S. Universities Invitational WUDC “Worlds” debate tournament at Claremont McKenna College, the largest debate union in the country.

UH Mānoa sent three teams to compete in the tournament. Facing off against 56 teams from 18 major universities such as USC, UCLA, and Cornell. The team of Samira Fatemi (Engineering) and Jonathan Cham (Political Science) came in 11th place, just missing the semi-finals by a few speaker points. Mānoa team captain Kyle Dahlin (Mathematics) and his partner, Ryan Delaney (Communicology), finished in 17th place. The rookie team of Sterling Higa (Communicology) and Ian Ross (Economics), competing in their first intercollegiate tournament, finished at a respectable 36th place.

The team from UH Mānoa beat all seven of Claremont’s teams, Hawai‘i Pacific University, several UCLA teams, along with formidable teams from Texas, Alaska, and other schools with major programs.

The team also hosted the British National Debate Team during the week of Thanksgiving where the debate topic was “It’s better to be British than American,” with the Americans arguing in favor of being British and vice-versa.

UH Mānoa has competed at Oxford, Yale, Willamette, Istanbul, Botswana, and in numerous other tournaments. They run the largest inter-collegiate debate tournament in Hawai‘i and will co-host the Pan Pacific Championship with HPU in February 2013, which will feature more than 20 universities such as Vermont, Air Force, Claremont, and Pacific Rim universities from Japan, Korea, and China.

“Financial support for the team is our biggest struggle,” said team director Dr. Robert Boller of the communicology department. “We are currently seeking corporate sponsorship for the program from law firms and businesses in exchange for offering organizations interns or perhaps hosting workshops on speaking and persuasion.”

Arthur H. and Bernice S.Y. Chun Scholarship

The first-ever recipients of the Arthur H. and Bernice S.Y. Chun Scholarship for undergraduates in Arts & Sciences were selected. This memorial scholarship was established by son, Calvin Chun.

2013 Scholarship Recipients

Phillip Aiwohi-Kim
Dance

Kara Doles
French

Francesca Panunto
Music Performance

Selene Sizar
Studio Art/Painting and Drawing

Sarah Smith
Fine Arts/Graphic Design
Associate Professor Joe W. Ramos, PhD, a cancer biologist at the University of Hawai‘i Cancer Center in collaboration with Assistant Professor William Chain, PhD, from the Department of Chemistry are the first to describe the biological effects that a compound known as englerin A has on renal cancer cells.

Englerin A is a natural product found in the bark of *Phyllanthus engleri*, a plant indigenous to east Africa. This compound was previously reported to be a potent and selective inhibitor that prevents the growth of six human renal cancer cell lines while not affecting other cancer cell types. Chain closely examined the chemical structure of englerin A and was able to effectively synthesize the compound in his lab.

"Synthesizing this compound helped us gain access to reasonable amounts of material needed for biological testing," said Chain. "Additionally, synthesizing the natural products compound from scratch enabled us to focus directly on englerin A’s desired effect on human cancer cells."

"Synthesizing this compound helped us gain access to reasonable amounts of material needed for biological testing..." 
- Chain

With direct access to the synthesized compound Florian Sulzmaier, a graduate student in Ramos’ lab, began examining the biological effects englerin A had on renal cancer cells and evaluating its impact on healthy cells.

Their findings confirmed that englerin A is a potent and selective inhibitor in the growth of human renal cancer cells. They further showed that the compound kills tumor cells and has no adverse effects on normal kidney cells. In addition, their research defines some of the biological changes caused by englerin A that precede cell death, revealing that it functions via a mechanism distinct from the current standards of care in the treatment of renal cancer.

"This discovery provides an important basis for the evaluation and validation of the compound's use as an anti-tumor drug," said Sulzmaier. "This work also provides new guidance in the search for the targets of englerin A in renal cancer cells," added Ramos.

The next step will be to identify how englerin A specifically targets renal cancer cells and to improve the compound’s effectiveness. This will allow the researchers to move forward with the promise of developing a new renal anti-cancer drug.

Physics Professor Receives Humboldt Award

Physics Professor Sandip Pakvasa received the prestigious Alexander von Humboldt Research Award. The award (60,000 euro) recognizes researchers’ academic contributions to discoveries, theories, or insights that have significant impact on their own discipline and potential for future cutting-edge achievement. Recipients are invited to spend a period of up to one year cooperating on a research project with specialist colleagues in Germany. Pakvasa will travel to Germany to do so.

Pakvasa is one of the world’s leading experts on neutrinos and heavy quarks—fundamental units of matter—in elementary particle physics. He is the author of over 340 scientific publications and has proposed a number of experiments that have been carried out at international particle physics laboratories.

In a 2005 paper Pakvasa, with Tom Weiler of Vanderbilt University and Heinrich Paes a German colleague who was then working in the Hawai’i theoretical physics group, made the intriguing suggestion that there are extra unseen spatial dimensions in which only neutrinos (which pass freely through the earth and rarely interact) can travel. The paper posed interesting theories, including the possibility that neutrinos can travel faster than the speed of light, and yet not violate Einstein’s relativity theory.

Pakvasa’s seminal papers on quarks played an important supporting role in the 2008 Nobel Physics Prize shared by Japanese scientists Kobayashi and Maskawa. Pakvasa, who with Hirotaka Sugawara had written the earliest paper examining phenomenological implications of the Kobayashi-Maskawa proposal, attended the 2008 ceremony in Stockholm as a guest of Kobayashi.

Pakvasa’s Humboldt Award is the first in the College of Natural Sciences.

Chemistry Professor Named AAAS Fellow

Chemistry Professor Dr. Ralf I. Kaiser was named a Fellow of the American Association for the Advancement of Science (AAAS). Election as an AAAS Fellow is an honor bestowed upon AAAS members by their peers, a tradition that began in 1874.

In 2012 701 members were awarded this honor by AAAS because of their scientifically or socially distinguished efforts to advance science or its applications. New Fellows will be presented with an official certificate and a gold and blue (representing science and engineering, respectively) rosette pin at the AAAS Fellows Forum in February during the 2013 AAAS Annual Meeting in Boston.

Last year’s AAAS Fellows were formally announced in the AAAS News & Notes section of the journal Science on November 30, 2012. As part of the section on chemistry, Kaiser was elected as an AAAS Fellow for distinguished contributions in the field of reaction dynamics, particularly for understanding formation mechanisms of complex molecules in extraterrestrial environments and in combustion systems.

Kaiser received his diploma from the University of Munster, Germany in 1991 and his PhD in 1994 in chemistry from the same institute. After three years at the University of California at Berkeley as a postdoctoral fellow, he conducted his Habilitation in Physics before joining the faculty of the Department of Chemistry in 2002.
The Myth of Indigenous Caribbean Extinction

One of the greatest myths ever told in Caribbean historiography is that the indigenous peoples who encountered a very lost Christopher Columbus are “extinct.” This book debunks that myth through the uncovering of historical, ethnographic, and census data. The author reveals extensive narratives of Jíbaro Indian resistance and cultural continuity on the island of Borikén. Since the epistemological boundaries of the early history and literature had been written through colonial eyes, key fallacies have been passed down for centuries. Many stories have been kept within family histories having gone “underground” as the result of an abusive past. Whole communities of Jíbaro people survive today.

Border Walls

Two decades after the fall of the Berlin Wall, why are leading democracies like the United States, India, and Israel building massive walls and fences on their borders? Despite predictions of a borderless world through globalization, these three countries alone have built an astonishing total of 5,700 kilometers of security barriers. In this groundbreaking work, Reece Jones analyzes how these controversial border security projects were justified in their respective countries, what consequences these physical barriers have on the lives of those living in these newly securitized spaces, and what long-term effects the hardening of political borders will have in these societies and globally. Border Walls is a bold, important intervention that demonstrates that the exclusion and violence necessary to secure the borders of the modern state often undermine the very ideals.
This book examines a variety of theoretical issues and practical ideas in conducting assessments for formative and summative purposes at the course and program levels. The book first discusses both classical testing theories and new item response theories with many concrete examples of criterion-referenced and norm-referenced assessment tools (e.g., tests, rubrics, checklists). The book also discusses previous and current empirical studies related to tests, assessment, and evaluation in second languages, in general, and Japanese, in particular.

Kondo-Brown views assessment as an integral part of instruction, and excellence in teaching involves engaging in systematic, adequate, and effective assessment practices. Teachers can help students learn more easily and comprehensively through effective assessment.

Supersymmetry proposes the existence of a complete parallel world of elementary particles. For example, the electron has a supersymmetric partner called the selectron. Similarly, the W-boson has a partner, whimsically named the Wino. The partner particles of half-integer spin have integer spin and vice-versa. The Higgs boson recently discovered at CERN, the international particle physics laboratory in Geneva, Switzerland, could have been as heavy as a million protons in the standard model of particle physics. However, the measured value of the Higgs boson mass is right in the narrow range expected in a supersymmetric world.

Following the discovery of the Higgs, the large experimental collaborations at the LHC (Large Hadron Collider) at CERN are now turning their full efforts to find the supersymmetric particles described in Tata’s textbook.
A Must-See Exhibit

A photo exhibition chronicling the brief bloom of the nonviolent resistance "White Rose" movement against the Nazi regime is on display at Hamilton Library until March 23. The "White Rose" movement was formed in 1942 by a group of students (and supported by philosophy professor Kurt Huber of the University of Munich) in a bold bid to stand up to the Nazi regime. The group was famous for its leaflet and graffiti campaign that took place from June 1942 to February 1943 denouncing the politics and crimes of the Nazis, and calling for active opposition to them.

In 1943, the six most recognizable members of the group were arrested by the Gestapo and beheaded. The group’s 6th leaflet was smuggled out of Germany by Helmuth James Graf von Moltke. In July 1943, allied planes dropped copies of the leaflet retitled “The Manifesto of the Students of Munich” over Germany.

The library exhibit is organized and guest curated by Christina Gerhardt, assistant professor of German in the Department of Languages and Literatures of Europe and the Americas.