



# SCHOOL OF HISTORY, TECHNOLOGY, & SOCIETY

WINTER 2010

Ivan Allen  
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## A NOTE FROM THE CHAIR

We all know about the budget cuts and furlough days, but the faculty of the School of History, Technology, and Society also has much to look forward to and of which to be proud.

We now have approximately 85 majors, considerably higher than in 2008, and an incoming class of 12 freshmen, again up from last year. Our graduate students have done well in the job market with full time teaching and federal government positions. One graduate student secured a prestigious three year post doc at the Center for the History of Science, Technology, and Medicine at the Imperial College, London. Grad students have also presented papers at numerous national and international conferences. On the undergraduate level, HTS graduated two students with the highest honors and two with honors. HTS students have been active as interns and in undergraduate research. One student won the Ivan Allen College Undergraduate Researcher of the Year award.

In academic year 2008-2009, faculty published three books, six book chapters, and five

articles. Two of our faculty were presidents of international history societies. HTS has a great record and can look forward to a year of further accomplishments for faculty and students.

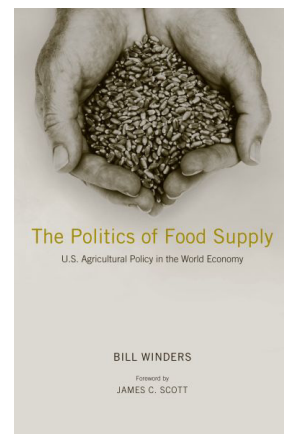
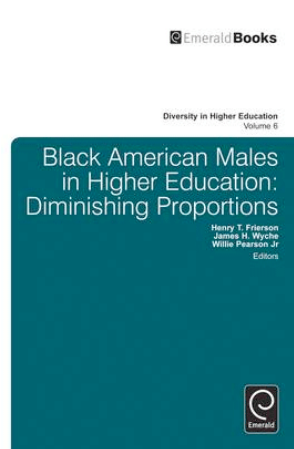
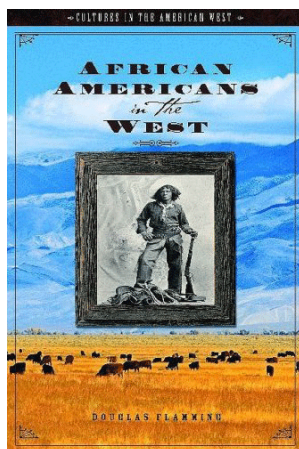
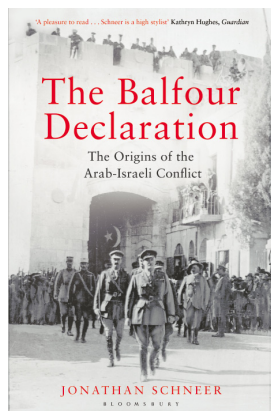
As someone who has been at Georgia Tech for many years, I can tell you that the budget crisis will eventually pass as all negative events do, and we will continue our mission of focusing on Science, Technology, and Medicine while also offering Georgia Tech students some of the finest teaching on campus (our professors have won numerous teaching awards over the years). I know travel will be more difficult this year which will affect research, but I also know we will continue to be productive as always. Hiring, now temporarily curtailed, will be on the agenda again, and HTS will bring excellent talent into the School as before.

As we struggle through this downturn, keep that in mind that HTS has a great faculty, superior students, and is part of a university that is one of the best in the nation.

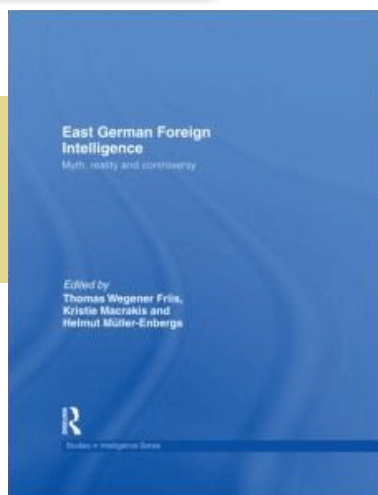
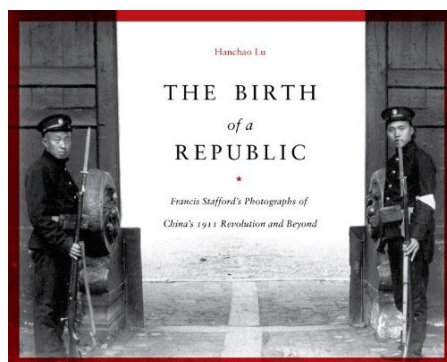
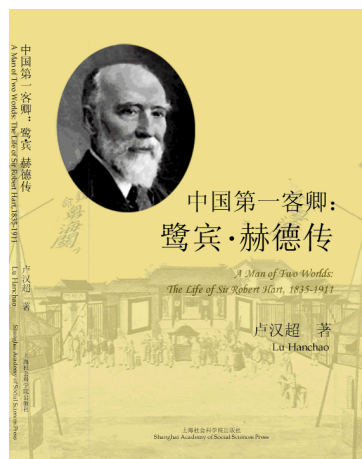
**~Dr. Ronald Baylor  
Professor of History  
School Chair**



# FACULTY PUBLICATIONS



The past year has been amazingly productive for the faculty in HTS. Eight books written or edited by HTS faculty were published in calendar year 2009, including two by Dr. Hanchao Lu. If you're looking for an interesting and scholarly read in 2010, check out these books by some of our award-winning historians and sociologists.



## IN THIS ISSUE

- Faculty publications, p. 2
- Letter from the grad director, p. 3
- Our new graduate students, p. 4
- Graduate alum news, pp. 5 - 6
- Letter from the undergrad director, p. 7
- A year of change, p. 8
- Learning outside the classroom, pp. 9 - 10
- Dr. Giebelhaus retires, p. 11
- Contact information, p. 11

For a bibliography of these books, go to  
[www.hts.gatech.edu/documents/books09.pdf](http://www.hts.gatech.edu/documents/books09.pdf)

# LETTER FROM THE GRADUATE DIRECTOR

This has been a very fine year for our graduate program. In the three commencement sessions held in 2009 we graduated no less than four PhDs and ten masters students. Our doctoral students all found employment in education or administration, from a tenure track position at the Stevens Institute of Technology to the U.S. Patent and Trademark Office in Washington D.C. Two of our MSs went on to PhD programs in other parts of the country that were better adapted to their interests, though the majority remained to pursue their PhD studies. Of these, two full timers starting their second year are already deeply involved in work for their masters research papers, one on the Chinese space program, the other on gas warfare in WWI.

This impressive track record is both a tribute to the quality of our intake and to our new determination to immerse students quickly in research, to set them unambiguous targets and deadlines, and to develop a supportive community that hones their professional skills.

We are very excited about our new intake, comprising three full-time funded students and five part time students. You can read about the three full-timers elsewhere in this newsletter. One, Joel Hewett, is the first Kranzberg Graduate Fellow, and receives enhanced funding thanks to the generosity of the B & B Stern Foundation. Gloria Ross is our President's Fellow, an honor bestowed by the university in recognition of the quality of our program. We are also delighted to have Jennifer Green with us; she is already looking into grant opportunities along with Professor Bauchspies in the socially crucial research area of water management and rural development.

Our part timers are drawn from various walks of life, all have experienced directly in their careers the impact of technology on society and all now seek to deepen their understanding

of the social and historical trajectories of science and technology – as propaganda, as communications systems, on business evolution, in pedagogy, etc.

This is a difficult time for academia. Georgia Tech is dealing with the budget crisis by furloughing most faculty and staff for six days, perhaps more in this coming academic year, yet the mood in the graduate program remains upbeat. It is truly a pleasure and privilege to be DGS of this community, that numbers over 20 MS and PhD students. My job is made simpler by the enthusiasm of the students, the support of the graduate committee (Profs. Bauchspies, Bier, Macrakis, Pearson and Usselman) and the help of LaDonna Bowen, who handles the administrative side of things.

If you are interested in joining our program, or in just learning more about us, please check out our handbook at [www.hts.gatech.edu/graduate/](http://www.hts.gatech.edu/graduate/), or email me or LaDonna directly at [john.krige@hts.gatech.edu](mailto:john.krige@hts.gatech.edu) or [ladonna.bowen@hts.gatech.edu](mailto:ladonna.bowen@hts.gatech.edu).



**~Dr. John Krige  
Kranzberg Professor of History  
Director of Graduate Studies**



# WELCOME OUR NEW FULL-TIME GRAD STUDENTS TO THE PROGRAM!



**Jennifer Greene's** intellectual interests are shaped by a nomadic childhood of city and farm life, undergraduate training as a journalist, and 20 years of experience working in public policy, consulting, and nonprofit grants development. She wants to examine the story of threats to groundwater from development and emerging contaminants, and social action in communities that experience changes in their access to groundwater. She is currently focusing on the social consequences of pollution in drilled water wells in the U.S. during the 20th century.

**Joel Hewett** comes to HTS from Davidson, where he was a Belk scholar and earned his B.A. in literature. After working in Washington at the intersection of the government and technology manufacturers, Joel came to HTS to gain a firm grounding in methods and the historiography of technology. He is interested in narratives of progress and technological determinism, and in detailing the manner in which these social ideas have fed back into further technical developments. Hewett's specific interests include the origins of the Congressional Office of Technology Assessment, civil engineering in the British Empire, and the notion of "appropriate technology" in the developing world.



**Gloria (Glo) Ross** graduated with a B.A. in black studies and global studies from UC, Santa Barbara. In 2004, she moved to NYC, where she worked as an elementary school teacher. Subsequently, Glo worked as a community organizer at FIERCE, an organization for queer and transgender youth of color. She was a part of the 2006-07 cohort of the New York Social Justice Fellows, allowing her to coordinate leadership development at FIERCE. Her decision to come to HTS was grounded in her interests in food biotechnology and its impact on food security for the urban poor. She hopes to use her degree to teach and to conduct research to support the work of community-based organizations.



*Dr. Winders at the National Archives SE with Glo, Jennifer, and Joel. Photo by Wayne Drews.*

# G RADUATE ALUMNAE NEWS

**Haven Hawley (PhD, 2005)** is continuing as program director of the Immigration History Research Center, University of Minnesota. In 2008 Haven initiated and supervised the project “Ukrainian American Health, Mortality and Demography Project” under a grant from Minnesota Population Center. The project resulted in a database for ethnic demographic data, allowing researchers to study mortality—including morbidity and mortality from the flu pandemic and industrial accidents—of Ukrainian Americans from 1918-1920. Haven is currently working on a book-length manuscript for “Bodice Rippers to Printing Grippes: Technologies of Print in 19th-Century America” and completing an article-length manuscript titled “Straw Into Gold: Yellow-Wrapped Books as Technologies of Color.” The College of Liberal Arts granted her a six-week development leave to work on the book manuscript.

**Prakash Kumar (PhD, 2004)** joined the History Department at Colorado State University in fall 2006 as an assistant professor of Modern South Asia. This year he is the recipient of the NSF Scholar’s Award. On special leave from CSU, he is working on a book manuscript. His research continues to focus on the nature of scientific modernity in South Asia by examining

plantation agriculture, the institutions dedicated to agricultural improvement, and colonial pedagogy. His developing book chapters and articles illustrate the role of global in restructuring the colonial and the national in the historiography on colonial modernity.

**Chris McGahey (PhD, 2009)** has pursued his interest in patent law with a job at the U.S. Patent & Trademark Office in Alexandria, VA. While his original plan was to teach, his dissertation research on the rise of a technological community in interwar America, led him to develop an interest in patent law. On the strength of his familiarity with patent history and two electrical engineering degrees, he was hired as a junior patent examiner in February 2008. In October 2008, McGahey successfully defended his dissertation. In his current job, Chris reports that he enjoys evaluating the patentability of new inventions and using language precisely, which is the heart and soul of patent law.

After earning his **PhD (1995)**, **David Morton** worked at Rutgers University for the IEEE History Center, where he conducted research for his books on the history of sound recording and taught courses while shifting his professional focus to public history. While

leading the development of the IEEE’s web-based virtual museum in 2001, he returned to live in Atlanta. From 2003 to 2006, he worked as a consultant on public history, museum, and web design projects in addition to teaching at Ga. Tech and Clemson. In 2007, he took a position in the Architecture program at Ga. Tech, and now is the Web Designer for the College of Architecture’s Center for Assistive Technology and Environmental Access. He is working on a book on imagination and the imaginary in the history of technology.



**Jahnavi Phalkey (PhD, 2007)** received the Sardar Patel Award,

2008, which is administered by UCLA, for the best doctoral dissertation on the topic of modern India. She has taught for a year at Georgia Tech’s campus in France and at the University of Heidelberg in Germany. She is the new Vice-President of the Science and Empires Commission of the International Union for the History and Philosophy of Science. Most recently, she has been awarded a Imperial College London Junior Research Fellowship for three years beginning January 2010.

# G RADUATE ALUMNAE NEWS, CONT.

**Olivia Scriven (PhD, 2006)** is the President/CEO of Partners for Educational Development, Inc. ([www.partnersforedu.org](http://www.partnersforedu.org)). Partners is a nonprofit, higher ed consulting firm that specializes in strengthening the capacity of those committed to providing quality, inclusive education and research experiences for the global community of learners, especially those from under-served communities. Scriven was recently appointed Honorary Research Fellow at the Human Sciences Research Council (HSRC) of South Africa. She will be working with researchers and administrators to design programs to provide research training for investigators from historically under-represented groups, increase international partnerships for research, and engage in collaborative research related to comparative science and technology studies. Olivia just concluded work as co-editor of the proceedings of the NSF-funded conference, "Promoting Diversity at the Graduate Level in Mathematics" at the Mathematical Sciences Research Institute in Berkeley, California.

**Art Slotkin (MS, 2006)** has just finished a book for Auburn University that will be published in 2010. It is a history of the Auburn College of Engineering in celebration of their 100th anniversary. Slotkin is also writing a biography of Dr. George E. Mueller, Associate Administrator for Manned Space Flight (1963 to 1969), under contract to NASA. The manuscript is a history of the management of the manned space program. Dr. Mueller is 91 years old and is cooperating by participating in interviews with Art. This book will be published in 2012.

**Tim Stoneman (PhD, 2006)** is a visiting assistant professor for a second consecutive year at Clemson University, with a joint appointment in history and STS. Tim teaches courses in the history of technology and American and global history. This past summer, he taught in Georgia Tech's study abroad program in Metz, France. Concerning research, Tim published an article on the Voice of America's global communication network in the April issue of *Technology and Culture*. Last year, Tim also held the first SHOT-NASA fellowship in space history, which he used to explore satellite communication and American global televangelism.

And now, to the most recent PhD from HTS, **Nathan Moon**. After defending his dissertation in the fall of 2009, Nathan took an appointment as a research scientist with the Center for Advanced Communications Policy (CACP) at Georgia Tech. He is currently working on three projects related to disability and technology policy and STEM education for students with disabilities.

## KRANZBERG GRADUATE FELLOWSHIP

This fellowship is made possible by the Kranzberg family and the B & B Stern Foundation. It supplements the stipend for students accepted into the program with full funding, plus a tuition waiver, for four years.

*Applicants must propose a research project compatible with the intellectual focus of the graduate program.*

**For information, please contact Dr. John Krige ([john.krige@hts.gatech.edu](mailto:john.krige@hts.gatech.edu)). The application deadline is February 1, 2010.**



*John Krige, Doug Flaming, & Steve Usselman celebrate Nathan Moon's defense.*



# LETTER FROM THE UNDERGRAD DIRECTOR

The undergraduate program continues to thrive in HTS. Not only have we seen an increase in the number of HTS majors over the past couple of years, but we continue to see the number of students interested in our minors and certificates grow as well. We now have approximately 85 majors, which is an increase of about 45% in the past two years.

Additionally, our students continue to achieve high levels of success. Over the past year, about 10 HTS students participated in internships and about 15 HTS students participated in undergraduate research. Since spring 2007, about 12 HTS students have received Presidential Undergraduate Research Awards (PURAs) from Georgia Tech. In 2008-2009, a dozen students graduated with a BS in HTS. Of those graduates, two graduated with highest honors and two graduated with honors. The average GPA of the graduates was 3.01.

We also had one of our graduating seniors – Carrie Freshour – win the Ivan Allen College Undergraduate Researcher of the Year award. While this was only the third time this award was given, Carrie is the second HTS student to win it. Carrie was also awarded a Fulbright English Teaching Assistantship, and is currently working in Indonesia. Charlotte Wheeler (BS, 2002) was selected as the Ivan Allen College Legacy Award winner for the alumni category.

Our faculty also continues to try to inspire students with innovative new courses, including:

- History of Global Societies
- Food in the World Economy
- Technology in the American South
- Race and Science
- Technology and Espionage
- Environment and Technology
- Science, Technology, and the Modern World
- Women and Development

We are also continuing to work with the School of Modern Languages to develop a joint degree that would have an international perspective and give students proficiency in a foreign language. This will build on of our expansion in non-US history and sociology. And we continue to encourage our majors to participate in Georgia Tech's International Plan as well as the Research Option.

Finally, Dr. Amy D'Unger, who is the Undergraduate Coordinator and advises all of our majors, recently won recognition by receiving the highest overall rating for advising at Georgia Tech. That is, no other major at Georgia Tech was rated higher for its advising than HTS. Kudos to Dr. D'Unger!



*Charlotte Wheeler*



*Carrie Freshour*



**~Dr. Bill Winders  
Associate Professor of Sociology  
Director of Undergraduate Studies**

# A YEAR OF CHANGE



This year brought many changes to HTS. The School crafted a new mission statement and we spent our first year in the newly-renovated Old Civil Engineering Building, which has been certified a LEED (Leadership in Energy and Environmental Design) building by the U.S. Green Energy Council. Old CE was originally constructed in 1938 and it is the first building in the Board of Regents system to be awarded LEED status. The new building was officially opened with a ribbon-cutting ceremony on March 30, 2009.



*Old Civil Engineering*

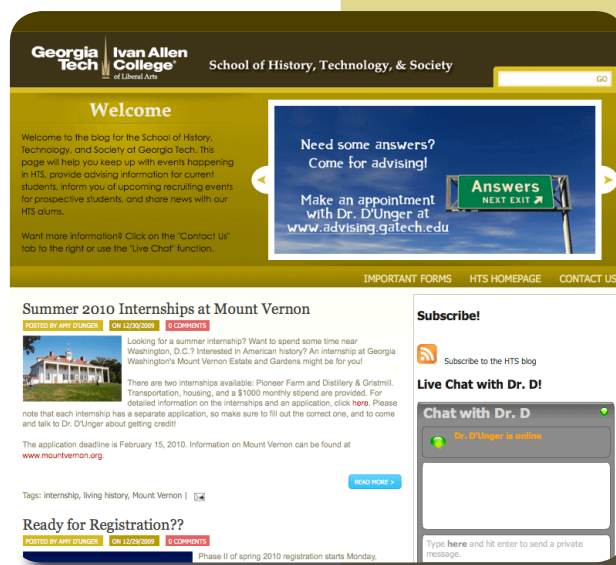
HTS also introduced a new blog, which includes features such as live advising chatting with Dr. D'Unger, quick links to Georgia Tech information and forms for students, searchable content, and the option to subscribe via Facebook or an RSS feed.



*Howard Wertheimer (Director of Capital Planning & Spage Management), Provost Gary Schuster, Patrick McCarthy (Chair of Economics), Former IAC Dean Sue Rosser, and HTS Chair Ron Bayor*



*The HTS graduate student lounge in Old CE*



*The new HTS blog ([www.georgiatechhts.blogspot.com](http://www.georgiatechhts.blogspot.com))*



# LEARNING OUTSIDE THE CLASSROOM, PART I



*Patrick Darsey, John Krige, Hannah Bennett, and Hillary Stanford enjoying the Provost's Reception at Oxford*

Study abroad and other international experiences are becoming popular choices to expand the HTS curriculum. Our students are increasingly pursuing the International Plan, which requires 26 weeks abroad and globally-focused classwork. In 2009, HTS students studied in Spain, France, Mexico, Germany, and with the Oxford Summer Program and Brussels European Union programs.

The faculty have also taken an active role in teaching abroad. Dr. Carole Moore serves as the director of the Oxford Program, which involves travel and coursework around continental Europe, followed by in-residence study at Oxford. Dr. John Krige has been active with the GT-Lorraine summer program in Metz, France, and several faculty members have traveled to Australia and New Zealand with the Pacific Program, including Dr. Laura Bier and Dr. Wenda Bauchspies. Dr. Gus Giebelhaus, who retired in 2009 (see story on page 11), is working with Professor Cindy Bowden—Director of the Robert C. Williams Paper

Museum—to coordinate a summer 2010 program entitled “From Hand to Machine” that will take students on a tour of China to learn about the history of crafts in the country. HTS student Adam Davis is assisting with the program.

Senior Lindsay Anglin participated in the European Union study abroad program in summer 2009. After spending time with a host family in Belgium, she traveled to France, Germany, Poland, and the Czech Republic. Lindsay reported that “the classes and site visits were meaningful and interesting, [but] it was the experiences and interactions” she had during her free time that “taught [her] the most about the society and culture of these European countries.” We’re sure that many more HTS students will take advantage of the amazing study abroad opportunities provided by Georgia Tech and HTS.



*EU summer study abroad participants, including HTS majors, in front of the Bundestag in Berlin*



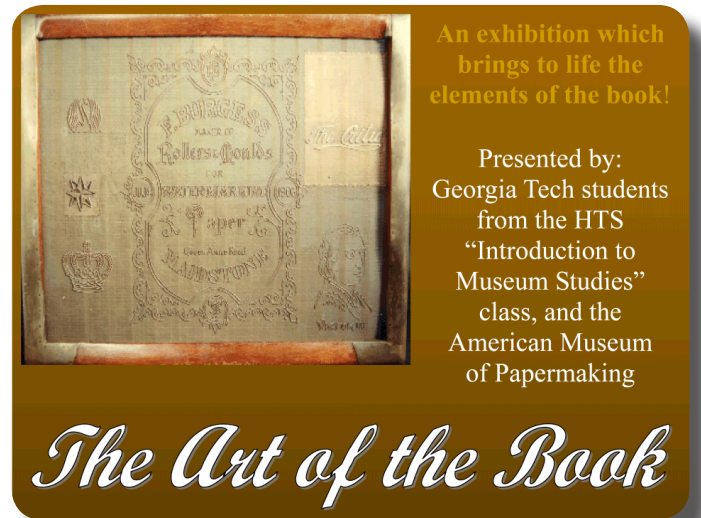
# LEARNING OUTSIDE THE CLASSROOM, PART II

HTS students in the class “Introduction to Museum Studies, co-taught by Dr. Gus Giebelhaus and Professor Cindy Bowden of the American Museum of Papermaking, created an exhibit that was displayed in the Neely Room of the Georgia Tech library. Entitled “The Art of the Book,” the exhibit focused on the historical development of books and the technology used to produce them. The opening reception was held on April 23, 2009.

The previous cohort of museum studies students had created the exhibit “How Do They Spend It? Kids and Paper Money around the World,” which was featured in the *Atlanta Journal Constitution*.

Featured here are photos from the exhibit, including the students from the Introduction to Museum Studies course.

Since Dr. Giebelhaus has retired, the course will be co-taught in the future by Professor Bowden and Dr. Carla Gerona, Assistant Professor of History in HTS.



# D R. GIEBELHAUS RETIRES

**August “Gus” Giebelhaus**, Professor of History in the School of History, Technology, and Society (HTS), retired this year after 33 years with Georgia Tech.

Giebelhaus, (PhD, University of Delaware) joined the Institute in 1976, earning tenure as a Professor of Social Sciences in 1987. He was Founding Director (Chair) of HTS and chief architect of the School’s Undergraduate HTS degree and the Master’s and PhD degrees

in the History and Sociology of Technology and Science.

He has served in many roles to improve learning at Georgia Tech and was inducted into its ANAK, Omicron Delta Kappa, and Phi Kappa Phi honorary societies.



He has been frequently honored for teaching by both graduate and undergraduate students. He was the first recipient of the Theresa Jimenez “Commitment to Honor” award recognizing his work as member and chair of the Student Honor Committee at Georgia Tech. In 2007, he was honored as the Faculty Member of the Year by the Graduate Student Government Association.

Giebelhaus has also been very supportive of “hands-on” learning, supervising the creation of two exhibits at the American Museum of Papermaking, including “How Do They Spend It? Kids and Paper Money around the World” and “The Art of the Book.”

Giebelhaus exerted strong influence on the field of history of technology as assistant and associate editor of the international journal, *Technology and Culture* (University of Chicago). He has published four books and numerous scholarly articles. He has long been a trumpeter with the Georgia Tech Symphony Orchestra. Gus will be sorely missed by faculty and students alike.

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Some of the many books published by HTS faculty members.  
 Collage by John Krige.