

## Faculty Sabbatical Leaves

Any tenured member of the University faculty may apply for a sabbatical leave for the purpose of increasing the recipient's professional competence and usefulness to the University. Sabbatical leave time may be used for research, writing or study at a place of the recipient's choosing. University personnel holding tenured faculty rank whose duties are primarily administrative are also eligible for sabbatical leaves. A minimum of six years of academic service at the University must precede each period of sabbatical leave, although no right accrues automatically through lapse of time. Sabbatical leaves are not ordinarily available for the purpose of obtaining an advanced degree. A faculty member who fails to return to the University for at least one academic year immediately following a sabbatical leave is obligated to repay the amount of compensation received from the University during the period of his or her leave.

### College of Agriculture and Natural Resources

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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*Department of Molecular Biology*

<b>Gigley, Jason</b>	Associate Professor	Fall	2020-2021
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Dr. Gigley will use his sabbatical to visit Instituto Gulbenkian De Ciencia (IGC) in Oeiras, Portugal which will allow him to gain expertise and collaborations in nutritional immunity and disease tolerance, two newly discovered parts of our immune system. He proposes to travel to the IGC to conduct experiments with Dr. Miguel Soares, the world's leading expert, with the purpose of discovering how nutritional immunity and disease tolerance helps provide immunity against infection with the important parasite *Toxoplasma gondii*. This sabbatical will allow him to bring back to the University of Wyoming knowledge to share with students, experience and data for publications and large National Institutes of Health grant applications, and a newly established collaboration between the University of Wyoming and IGC and Portugal, all of which would push the university forward toward being known for, and having the funds to support, world-class research.

*Department of Plant Sciences*

<b>Jabbour, Randa</b>	Associate Professor	Academic Year	2020-2021
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Dr. Jabbour will work with leading researchers to use computer models to predict optimal pest management for alfalfa weevil, a problematic pest in alfalfa. She will share these findings through a combination of scholarly publications, public presentations at the University of Wyoming and farmer field days, and with students through new teaching modules.

*Department of Veterinary Science*

<b>Ernest, Holly</b>	Professor	Academic Year	2020-2021
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Dr. Ernest will use her sabbatical to combine advanced study and collaborative research in the interdisciplinary fields of Genomics, Bioinformatics, and Disease Ecology to further science, education, and wildlife health in Wyoming and the Rocky Mountain West. Hosted by the University of British Columbia, Canada and B.C. Ministry of Agriculture, her sabbatical work in the expertise-rich Vancouver community will benefit her career, students, UW, Wyoming, and the Rocky Mountain West. Products will include advanced expertise in fields of big data analysis and computational biology; novel research on large animal-pathogen data sets to evaluate relationships between host genomics and ecology of disease in wildlife species, including Chronic Wasting Disease and bighorn sheep pneumonia; new international research

collaborations with opportunities for student/researcher exchanges; high impact journal manuscripts; professional and public outreach presentations; and development of a new online course to excite UW students in agriculture, health sciences, and environmental sciences to the field of bioinformatics.

### College of Arts and Sciences

#### *Department of Art*

**Shadwell, Shelby** Associate Professor Academic Year 2020-2021

Associate Professor Shadwell will be travelling to Finland to research culturally based indigenous and non-indigenous hunting practices to produce a new body of visual art exploring the ethical implications manifest in the hunting of big game. In the fall of 2020 and the spring of 2021, he will be a Visiting Scholar at Aalto University in Helsinki, a Visiting Artist at the Turku University of Applied Sciences, and an Artist in Residence at Atelje Stundars in Solf, Novia University in Jakobstad, and the AARK Residency in Korpo. In addition to the creation and international exhibition of new drawings, he will advance the University's strategic plan by building lasting cross-disciplinary relationships between students, artists, and educators leading to opportunities for collaborations and exchanges with the University of Wyoming moving forward.

#### *Department of Botany*

**Currano, Ellen** Associate Professor Academic Year 2020-2021

Dr. Currano will spend her sabbatical as a Visiting Researcher at the Smithsonian's National Museum of Natural History, home to the world's largest collection of Wyoming plant fossils and the top paleontological research institution in the US. Her research will investigate how past climate changes affected plant and insect biodiversity, and she anticipates that at least three highly cited papers on Wyoming's ancient vegetation will result from this research. She is excited to learn new methods to analyze paleontological data, to bring this expertise back to UW, and to contribute to UW's goal of being a biodiversity "center of excellence."

#### *Department of English*

**Frye, Susan** Professor Fall 2020-2021

Dr. Frye will use her sabbatical to complete and submit her fourth book, "The Material Culture of Mary Queen of Scots." This book is written at the crossroads of history, material culture, art history, and gender studies. The result of ten years of fresh archival and onsite research in France, Scotland, and England, this book will allow a broad audience to envision Mary as a productive politician and writer, in opposition to the usual view of Mary Queen of Scots as a murderer, loose woman, and traitor. By December of 2020, Dr. Frye will submit her completed manuscript to the University of Pennsylvania Press.

**Knieval, Michael** Associate Professor Spring 2020-2021

Dr. Knieval will use his sabbatical to pursue ongoing research into how police use-of-force policy and citizen-sponsored police observation ("copwatch") both serve, in radically different ways, to coordinate and condition the manner in which force is used by police officers in America. To do so, he will gather and analyze policies and interview data via additional site visits, synthesize new and previously collected data, and work toward development of a scholarly monograph that analyzes the relationship between police and

citizen rhetorics in the execution of force in policing. At the end of the semester, he will have presented a conference paper on preliminary research findings, written a book proposal, and drafted two to three chapters of the aforementioned monograph.

*Department of History and American Studies*

**Knobloch, Frieda** Professor Academic Year 2020-2021

Dr. Knobloch will use this sabbatical to complete research and writing for the scholarly book she began in 2010 on geology, deserts and decadence (working title now *Deserts and Decadence*), as well as the composition of the creative manuscript she also began in 2010 set in Wyoming's Red Desert. Since the two projects have been closely linked from the beginning—in ideas about science, decadence, deserts, and the imagination—it is appropriate to attend to them both intensively and complete writing them together. The intended measurable outcome is publication-ready work and contact with appropriate presses as full books or for serial submission for publication in journals.

*Department of Modern and Classical Languages*

**Donenech, Concepcio** Associate Professor Academic Year 2020-2021

Dr. Domènech requests a sabbatical leave to conduct research focusing on the Portuguese Independence War (1640–1668). Drawing from several fields of study— History, Cultural Studies, and Literary Analysis—, this project examines the unique propagandistic method of King João IV and his group of Jesuit advisers to involve the Portuguese in the *Guerra da Restauração: Sebastianism*. This messianic belief developed years before the war, but played a fundamental role during the campaign and, perhaps, was the most decisive mechanism in Portugal's victory over Spain. Professor Domènech will conduct research in Spain, Portugal, and Washington D.C. Her research will result in a book: "A Messianic War: Sebastianism in the Portuguese *Guerra da Restauração* (1640–1668)."

*Department of Music*

**Bogard, Theresa** Professor Spring 2020-2021

Dr. Bogard will use her sabbatical to continue her study of Brazilian classical music by collaborating with faculty in performances at the Federal University of Goiás and Itego in Artes Basileu França. This endeavor will include making a recording and designing a graduate course in Brazilian classical music. Anticipated benefits of this sabbatical will be to broaden the curriculum in the Department of Music, strengthen the MOU that the University of Wyoming already has with the Federal University of Goiás, and fulfill one of the primary goals in the University's mission statement through "growing faculty engagement in international teaching and scholarship, internationalization of the curriculum, enhancing student and scholar mobility, and deepening international collaborations and partnerships." Academic Affairs Strategic Plan 2017-2022

**Markley, Benjamin** Associate Professor Academic Year 2020-2021

Dr. Markley will use his sabbatical to write a biography on National Endowment of the Arts Jazz Master, Cedar Walton. This book will be the definitive source on Cedar Walton and will bring prestige and recognition to the department of music and university.

*Department of Physics and Astronomy*

**Chien, TeYu** Associate Professor Fall 2020-2021

Dr. Chien will use his sabbatical to expand the experimental capabilities of scan tunneling microscopy (STM), such as probing magnetic and optoelectronic properties, onto the existing STM and to explore new research directions. To achieve this goal, he plans to visit Argonne National Laboratory, a world class research institute, and a nearby university (University of Illinois at Chicago) to collaborate with the top scientists with expertise compatible to his. The interactions and collaborations are expected to result in collaborative grant applications, peer-review publications, new research directions and novel experimental techniques developed in his lab at the University of Wyoming.

*Department of Psychology*

**Clapp, Joshua** Associate Professor Spring 2020-2021

Dr. Clapp will establish a new program of research using restricted data from the U.S. Census Bureau to (a) examine the influence of local economic factors on risk of criminal victimization and (b) produce the first population-based estimates for individual-level economic impacts of violent crime. Per federal requirements for access to confidential government records, research activities will be conducted in a secure laboratory at the Rocky Mountain Research Data Center (RMRDC) at CU Boulder to develop conference presentations; a minimum of two manuscripts for submission to high-impact journals; and a proposal for NIH funding to support continued research incorporating large-scale, restricted government data. In collaboration with faculty in economics and sociology at the Colorado School of Mines and CU Boulder, Dr. Clapp will develop proficiency in interdisciplinary models of quantitative analysis; establish expertise in the acquisition, management, and evaluation of big data; and produce applied clinical research with direct implications for local, national, and global policy.

**College of Business**

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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*Department of Economics*

<b>Albers, Heidi Jo</b>	Professor	Spring	2020-2021
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Dr. Albers will use her sabbatical to conduct fieldwork and strengthen collaborative relationships for ongoing research in shade-grown coffee production and marine/sea turtle conservation in Central America, to recruit graduate students, and to develop a short course study-abroad syllabus on conservation economics and policy in Costa Rica. She will replenish her spatial economic analysis tools through seminars, discussions, and collaborations with colleagues at the Vrije University of Amsterdam's Department of Spatial Economics and other European universities. The measurable outcomes will include grant proposals for interdisciplinary collaborative research, journal articles, increased graduate student applications, internationalization of the UW undergraduate and graduate curricula, and a short course syllabus/proposal.

**College of Education**

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
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*School of Teacher Education*

<b>Bialostok, Steve</b>	Professor	Fall or Spring	2020-2021
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Dr. Bialostok will use his sabbatical to write a book length ethnography that describes the identities and talk (styling and aesthetics of "talking stuff") of a group of seven elderly African American men who come five nights a week (some for as long as thirty years) to a

small recreation center to play dominoes. I have spent the last four years quite regularly (full-time during university breaks, especially during the summer) collecting what has become several thousand pages of data. His goal is to complete the book and sent to the publisher by the end of the sabbatical.

### College of Engineering and Applied Science

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
<i>Department of Chemical Engineering</i>			
<b>Li-Oakey, Katie</b>	Associate Professor	Academic Year	2020-2021
Dr. Li-Oakey will use this sabbatical to advance her reputation and work in the field of nanomaterials for energy conversation, storage, and water treatment while promoting the University of Wyoming internationally. This will be accomplished by working with her host lab at ETH Zürich on molecular level solid-liquid interface imaging to understand interactions between complex liquids and charge- and size tunable liquid separations membranes for use in produced water treatment for water reuse during energy development. The outcome of this sabbatical will be archival papers of past and ongoing work, proposals with her host lab to fund ongoing research, and student exchange opportunities.			

<b>Oakey, John</b>	Professor	Academic Year	2020-2021
Dr. Oakey will spend his sabbatical developing novel biomedical applications for structured microscale hydrogels. In collaboration with a macromolecular engineer at ETH Zürich, work will focus upon a) understanding and controlling cell-material interactions to stimulate exosome production and enhance cell-based therapeutics, b) developing hierarchical materials and processes to locally deliver pharmacologics and other therapeutic molecules, and c) creating complex biological inks for the 3D printing of complex tissues. Outcomes of this sabbatical will be joint publications, collaborative proposals, and a pipeline for student exchange between ETH Zürich and the University of Wyoming.			

#### *Department of Civil & Architectural Engineering*

<b>Ohara, Noriaki</b>	Associate Professor	Academic Year	2020-2021
Dr. Ohara will spend his sabbatical for expansion of his research emphasis on non-linear statistical physics for hydrogeomorphology and cryospheric science. He aims to establish research collaboration with Professor R. A. P. Perdigão, who is an internationally recognized Mathematical Physicist and Earth System Dynamicist at the University of Lisbon (U-Lisboa) on mathematical modeling of the complex nature. Dr. Ohara anticipates several journal publications and a collaborative research proposal during his leave in addition to his existing research programs. Updating his research perspectives will improve the science and engineering community in the UW.			

#### *Department of Petroleum Engineering*

<b>Fan, Maohang</b>	Professor	Fall	2020-2021
Dr. Fan will use his sabbatical leave to advance clean energy technology development and help Wyoming improve its economy. During his sabbatical leave, Dr. Fan plans to develop innovative methane conversion technologies and further improve his expertise in carbon capture, utilization, and storage research. A new non- CO <sub>2</sub> -generation methane conversion technology will be designed and evaluated, and the mechanism associated with			

transformational catalytic CO<sub>2</sub> capture technologies will be understood. Also, he will enhance his on- and off campus collaborations in fossil fuel resource utilization areas. The intended measurable outcomes include 1) at least two journal papers in the targeted research areas, 2) a new methane conversion technology, 3) a new understanding of new CO<sub>2</sub> capture technologies, 4) expanded UW and non UW collaborations in research, 5) new knowledge in clean energy areas for course development, and 6) enhanced abilities in teaching and research.

### College of Health Sciences

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
<i>School of Nursing</i>			
<b>Thomas, Jenifer</b>	Associate Professor	Spring	2020-2021
Dr. Thomas will use her sabbatical to facilitate her research and scholarship related to type 2 diabetes (T2DM) prevention in rural areas and further develop her community engagement intervention research skills. The goals of this sabbatical project are to: conduct a Diabetes Prevention Program (DPP) intervention at University of Colorado Denver (CU-Denver) Latino Research and Policy Center (LRPC) (and determine next steps in relation to her current research - see CV, Humenick grant) and establish research and community partnerships to address T2DM prevention efforts for Latino and Hispanic individuals in Wyoming. The sabbatical will lead to future collaborations, projects, and grant submissions and enable me to develop effective and sustainable T2DM prevention intervention programs for Wyoming individuals.			

#### *School of Pharmacy*

<b>Nair, Sreejayan</b>	Professor	Spring	2020-2021
Dr. Nair will use his sabbatical to visit Dr. Matthew Todd's lab at the University College London. Dr. Todd's laboratory designs drug molecules that do not require the complex multidisciplinary collaboration and infrastructure of a full-blown drug-discovery project and has a good chance of success. The ability to design small molecules will complement the current work of his lab, identification of drug target, and serve as a powerful tool for future drug discovery. In addition to synthesizing a novel series of drugs to treat diabetes complications, he plans on starting an open-source drug discovery for diabetes and cardiovascular disease. The sabbatical is expected to result in collaborations, joint publications, and grant submissions.			

### College of Law

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
<b>Chestek, Kenneth</b>	Professor	Academic Year	2020-2021
Dr. Chestek will use his sabbatical to write a book titled <i>Myth of Divine Right</i> . It will combine areas in which he has some demonstrated expertise (persuasion and cognitive science, as well as literary devices and language) with areas where he will need to learn a great deal more (religion, mythology and world history). Successful completion of this project will require extensive research into at least the following topics: (a) myth (how myths form and what are their characteristics); (b) cognitive psychology (specifically what processes are engaged by myth to give them such power); (c) religion (including the history of how some religions, possibly focusing on the Abrahamic religions, justify the claim that their truths are the only truths and must be spread across the globe by their adherents); and (d) world history (focusing primarily on the Doctrine of Discovery and the claim of divine right of kings).			

**Jackson, Darrell**                      Professor                                      Academic Year    2020-2021  
 Professor Jackson will use the sabbatical to expand on research begun within the UW in Scotland program where, following UW’s call for increased interdepartmental and interdisciplinary research, he and Nicole Crawford use the idea of *Stealing Culture: The Intersection of Criminal Law and Museum Studies* to analyze, critique, and engage the contemporary debates regarding the decolonization of museums. Bringing academic analysis to high profile contemporary public concerns, the proposed activities include working beside law professors and museum professionals at the National Museum of Natural History and Science at the University of Lisbon and investigating “problematic” collections with the goal of creating ethical and legal structures for repatriation, appropriate display, and use of the objects, amongst other things. The outcomes will be: at least, one book manuscript ready for presentation to potential publishers; significant advancement on the body of other publications; development of potential laws, regulations, and guidelines for how museums across the world should engage with their collections; a heightened relationship for UW students and faculty with the University of Lisbon; as well as continued international exposure for the University of Wyoming as a cutting edge leader on an internationally hot topic.

**Robison, Jason**                      Professor                                      Spring                      2020-2021  
 Professor Robison will use his sabbatical to preparing a centennial volume of *Vision & Place: John Wesley Powell & Reimagining the Colorado River Basin* (University of California Press, 2020) that will examine the compact in relation to the salient topics of water apportionment, infrastructure, governance, environmental concerns, and Native Americans, all of which content will benefit fellow academic researchers and federal, state, and tribal officials alike.

**University Libraries**

<u>Name</u>	<u>Rank</u>	<u>Period</u>
<b>Boss, Stephen</b>	Associate Librarian	May 2020-September 2020 and May 2021-September 2021

Mr. Boss will use his sabbatical to build upon research conducted on a topic critical to the State of Wyoming. His scholarship activities of late have been focused on the topic of libraries and librarians working to contribute towards the improvement of the economies in their local communities. The communities contacted were frequently in rural or semi-rural settings and especially communities facing acute economic challenges. His proposed activities will involve primary research done through personal interviews and site visits with librarians at various libraries involved with the Libraries as Launchpads training program, a state library coordinated train the trainer program for business entrepreneurs. He is proposing that his sabbatical be spread over 2 summers as to not interfere with assigned business activities during the formal academic year. Hist outcomes include completing articles that are works in progress with his colleague, Cynthia Hughes, and dig deeper into primary research by conducting site visits with personnel in New Mexico and produce an article or articles in polished form, submit the manuscript(s) to an academic publisher in the second summer time period, and present two formal talks, one covering the sabbatical for University Library faculty and staff and the other addressing the content of the research (articles) done in partnership with Cynthia Hughes for the University community at large. In addition to writing articles, he will work with critical partners both at the University of Wyoming and also the Wyoming State Library to create a similar program so Wyoming County Librarians have the

training and resources needed provide structured services that focus on economic development in Wyoming.

**Hert, Tamsen** Librarian August 2020 – February 2021

Ms. Hert will use her sabbatical to complete the research and draft a manuscript on the history of the tourist accommodations that evolved in Yellowstone National Park since its establishment in 1872. Her proposed activities include visiting a few remaining archives which hold significant collections related to the research and draft the manuscript. The intended measurable outcome from this sabbatical is the completion of the manuscript. Upon her return to the University of Wyoming, she will present two formal talks, one covering the sabbatical for University Library faculty and staff and the other addressing the content of the research (book) for the University community at large.

**Hutchens, Chad** Associate Librarian September 2020 - March 2021

Mr. Hutchens will use his sabbatical to finish research begun under a Spring, 2019 Wyoming Institute of Humanities Research Fellowship Grant related to 3D, virtual reality (VR), and augmented reality (AR) applications in digital humanities. He has performed 3D photogrammetry and reflectance transformation imagery (RTI) on a set of Native American petroglyph fragments removed from a cliff face at BLM site 48BH92 near Greybull, WY in 1962. After their removal, they were lost and then subsequently rediscovered at the Buffalo Bill Cody Center of the West in 2017. Many of these fragments are now housed at UW, but some remain on display in Cody, WY. His proposed activities will be to conduct primary research at the Buffalo Bill Cody Center of the West during the first month of his sabbatical to ascertain whether or not there are any (more) extant photographs or written documentation about site 48BH92. The remainder of his 6 month sabbatical will be to finish digitally reconstructing site 48BH92 using augmented (AR) and virtual reality (VR) technologies. His intended measurable outcomes will be (1) a large scale physical exhibit of the extant cliff-face at site 48BH92 utilizing AR to reconstruct the removed petroglyph fragments; (2) a web-deliverable, interactive VR application where one can interact with the fragments and piece them back together at the site as it stands today and; (3) the publication of this work in the form of a journal article and presentations about it at national academic conferences.

**Kvenild, Cassandra** Librarian July 2020 – December 2020

Ms. Kvenild will use her sabbatical to establish criteria and best practices for expanding student services within Coe Library in support of the Libraries strategic goal of promoting innovation, collaboration, and engagement. Her research activities will include site visits to academic libraries with successful student services programs; interviews with library planners who have undertaken similar space modifications and development of student-focused services; and literature reviews of off-site storage planning and student services development in academic libraries. The outcomes of her sabbatical will include a white paper of criteria for future planning of Coe Library space; a proposed manuscript for publication in the library literature; a proposed conference proposal related to her findings; and recommendations to the UW Libraries leadership team for implementation of services and re-design of spaces in Coe Library that will directly benefit student learning.

### **Academic Professionals – Professional Development Leaves**

The purpose of professional development leave is to allow academic professionals to enhance their performance, to conduct special studies, or in some other way to undertake planned activities related in a substantial manner to the individual's role at the University.



To be eligible to apply for professional development leave, academic professionals must have been granted an extended-term contract. Initial requests may be submitted no earlier than the seventh year of academic service. If granted, the leave may be taken no earlier than the eighth year. Subsequent leaves must be preceded by a minimum of six additional years of academic service, although no right accrues automatically through lapse of time. Other conditions for professional development leave are generally those that apply to sabbatical leave for faculty.

An academic professional who fails to return to the University for at least one academic year immediately following a sabbatical leave is obligated to repay the amount of compensation received from the University during the period of his or her leave.

### Academic Affairs

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
<i>Art Museum</i>			
<b>Crawford, Nicole</b>	Senior Lecturer	Fiscal Year	2020-2021
Ms. Crawford will use her sabbatical to expand on research begun within the UW in Scotland program where, following UW's call for increased interdepartmental and interdisciplinary research, she and Darrell Jackson use the idea of <i>Stealing Culture: The Intersection of Criminal Law and Museum Studies</i> to analyze, critique, and engage the contemporary debates regarding the decolonization of museums. Bringing academic analysis to high profile contemporary public concerns, the proposed activities include working beside law professors and museum professionals at the National Museum of Natural History and Science at the University of Lisbon and investigating "problematic" collections with the goal of creating ethical and legal structures for repatriation, appropriate display, and use of the objects, amongst other things. The outcomes will be: at least, one book manuscript ready for presentation to potential publishers; significant advancement on the body of other publications; development of potential laws, regulations, and guidelines for how museums across the world should engage with their collections; a heightened relationship for UW students and faculty with the University of Lisbon; as well as continued international exposure for the University of Wyoming as a cutting edge leader on an internationally hot topic.			

### College of Arts & Sciences

<u>Name</u>	<u>Rank</u>	<u>Period</u>	<u>Year(s)</u>
<i>Department of Modern and Classical Languages</i>			
<b>Person, Mark</b>	Senior Lecturer	Spring	2020-2021
Mr. Person will use his sabbatical to complete one translation project (already under contract to the publisher Metzler Verlag), and start work on a second (for which the University of Chicago Press has asked for a formal proposal). The first is a translation from German of a book by Professor Ottmar Ette of the University of Potsdam titled <i>WorldFractals: Ways through the Literatures of the World</i> , a monograph of some 400 pages dealing with what Ette perceives as the fractal-like expansion of several waves of accelerated globalization, and how literature is a uniquely accurate lens for understanding this global phenomenon. The second project, on which he will make a good start, is a new translation of Alexander von Humboldt's five-volume magnum opus, <i>Kosmos</i> ; Humboldt, called by many the "Father of Ecology" is the subject of much current scholarship, for which this translation will be extremely useful.			

