

Seek

Volume 5
Issue 1 *Winter/Spring*

Article 1

January 2015

Introduction and Table of Contents

Kirk Schulz
Kansas State University

Karen Burg
Kansas State University

Follow this and additional works at: <https://newprairiepress.org/seek>



Part of the [Higher Education Commons](#)



This work is licensed under a [Creative Commons Attribution-Noncommercial-No Derivative Works 4.0 License](#).

Recommended Citation

Schulz, Kirk and Burg, Karen (2015) "Introduction and Table of Contents," *Seek*: Vol. 5: Iss. 1.

This Article is brought to you for free and open access by New Prairie Press. It has been accepted for inclusion in *Seek* by an authorized administrator of New Prairie Press. For more information, please contact cads@k-state.edu.

Perspectives



Winter / Spring 2015

Message from President Kirk Schulz and Vice President for Research Karen Burg

Kansas State University is an industry hotbed for innovation, talent and professional training.

Three years ago we embarked on an aggressive visionary plan that will launch Kansas State University to Top 50 public research university recognition by 2025. Part of our strategic road map includes developing value-added research that helps our corporate partners drive the regional, national and world economies through new solutions and technologies. In return, these partners have invested in Kansas State University research.

How are we doing three years into our plan? We think the results speak for themselves.

Our licensed intellectual property commands more money per patent than Harvard University, Duke University, Pennsylvania State University and other high-profile institutions, according to data from the Association of University Technology Managers, or AUTM. In part, the culture at Kansas State University is to maximize the value proposition to the university. That culture and the two nonprofit corporations that handle our intellectual properties — the Kansas State University Research Foundation and the Kansas State University Institute for Commercialization — are backed by the talents of our world-class researchers.

In 2014, some of our notable patents included a biomedical substance that can be used for tissue engineering and drug delivery, technology to help cattle and other food animals be healthier, and a genetics-based method of controlling pest insects (Page 2). It's easy to see why we stand out in AUTM's data: Kansas State University is synonymous with quality.

Our startup company TechAccel is an innovation fast track for industry. The company accelerates promising technology and research to feed a world population projected to reach 9.6 billion people by 2050 (Page 20).

Similarly, our Olathe campus (Page 10) and Electronics Design Laboratory (Page 12) are helping entrepreneurs and researchers turn their ideas into products for the marketplace.

As Kansas State University invests in the future, we're seeing others invest in our future as well.

Starting in July 2013, we received our first Feed the Future Innovation Lab grant from the U.S. Agency for International Development, or USAID. That award quickly grew to four labs over 14 months, and a more than \$100 million investment by USAID in our research, teaching, leadership and outreach efforts in the global food systems (Page 6). We look forward to focusing our expertise in animal health, plant science, food safety and food security to develop solutions for one of the biggest challenges this century of feeding a growing world.

It's not all work and no play, though, for another "note"-able investment: having our School of Music, Theatre, and Dance designated an All-Steinway School, thanks to a generous donation for new Steinway pianos. It is a distinction fewer than 200 schools in the world can claim, and one that is music to our ears (Page 18).

Through investments that stretch both the science and the arts, we are well on our way to the Top 50.



A handwritten signature in black ink, appearing to read "Kirk Schulz". The signature is fluid and cursive.

President Kirk Schulz



A handwritten signature in black ink, appearing to read "Karen J. Burg". The signature is cursive and elegant.

Vice President for Research Karen Burg

Notice of Nondiscrimination

Kansas State University is committed to nondiscrimination on the basis of race, color, ethnic or national origin, sex, sexual orientation, gender identity, religion, age, ancestry, disability, military status, veteran status, or other non-merit reasons, in admissions, educational programs or activities and employment, including employment of disabled veterans and veterans of the Vietnam Era, as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries concerning Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans With Disabilities Act of 1990, has been delegated to the Director of Affirmative Action, Kansas State University, 214 Anderson Hall, Manhattan, KS 66506-0124, (Phone) 785-532-6220; (TTY) 785-532-4807.



contents

Quality assurance Substantial discoveries at Kansas State University are sparking innovation for the private sector, economic growth in the state	2
Focusing on the future Four federal research laboratories at Kansas State University are helping solve the world's looming food crisis	6
Getting down to business K-State Olathe, a successful hub for company collaborations	10
Built to work How the Electronics Design Laboratory moves ideas by researchers and entrepreneurs into the marketplace	12
A new energy Electrical Power Affiliates Program empowers engineering faculty, students	14
Eye in the sky Project uses unmanned aerial systems to monitor fields for pests, disease	16
Notable achievement All-Steinway School designation strikes right chord	18
Challenge accepted Partnership addresses technological gaps for feeding the world's expected 9.6 billion population	20