



**2010-2011... Another very good year at KBS!**

- I was reappointed as Director... thank you! ...and then left on Sabbatical... also Gary Mittelbach, Phil Robertson
- Diana Stuart (SOC) joined the faculty
- New facilities, new grants, new grads and postdocs, new programs



Thanks to Tom Getty for serving as Acting Director

**Changes in Academic Program Leadership... Associate Director Education**

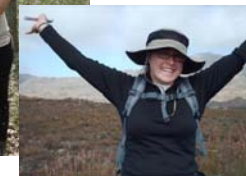


**Amber Wright**  
May-Sept 2011  
Postdoc, UC-Davis



**Rachel Prunier**  
Started 1 October...  
Also Res Assoc- Lau Lab

**Gwen Pearson** (Sara Cole)  
Oct 2007 to April 2011  
Moved to U Conn, Director of Undergraduate Research



**Educational programs... are growing**

Summer 2011 ~200 students came to KBS from around the US and 11 other countries



Summer courses... from 'genes to landscapes'.... Attracted students from a broad spectrum of interests

- BEACON: Next Generation Sequencing
- ELME: "Adaptive Dynamics"
- Great lineup of 'field courses' too... including SpartaNature (140 incoming Spartans!)

BEACON – HS pre-engineering program



**Expanding opportunities for Students: Research Experiences**

- Undergraduate Research Apprenticeships (URAs) for MSU students (10+)
- REUs (12) supported by NSF and DOE for students from across the country...
- ~\$90,000 in scholarships and fellowships to 50 undergraduate and graduate students



**Graduate Education connects to Outreach**





**KBS K-12 Program....**

- Graduate Fellowships for 9 students through GK-12 and Math Science Partnerships
- Research Opportunities for Teachers (RETs)
- Deploying the "BEST" (BioEnergy SusTainability) experiment to 22 schoolyards in 11 Districts



### KBS Education and Outreach - Highlights

- KBS LTER Walking Tour – opened summer 2011
  - Developing curriculum for elementary students linked to walking tour
- Extension Bulletins on climate change ... addressing perception and misconceptions with KBS research
- Pasture walks – Showcasing the KBS system and how it can work with robots
- Promoting the Producers: “Local Cheeses and Artisan cheesemakers”:
- “Birds & Beans” .... Adult ornithology...and a new plan for the Sanctuary

Pasture walk at KBS dairy.

Promoting artisan cheese makers at Dessert with Discussion.

**KBS and Extension Land & Water Unit**

**Dennis Pennington – Bioenergy and Biofuels**

- DELEG Grant: Freeways to fuels
- Sustainable food and fuel production network
- Online bioenergy curriculum
- “Award-winning” MSUE bioenergy website

**Dale Mutch – Cover crops and Organic Practices**

- Growing research and demonstration programs focused on:
  - Cover crops & tillage practices
  - Organic transition and greenhouse gas emissions (w/Robertson and Millar)




**Jane Herbert - Lakes and Stream Quality**

- Project GREEN grant – enhancing the KBS Shoreline demonstration (with Lau)
- Partnerships with MI Natural Shoreline Partnership and landscapers

Decision tools and websites to enhance producer knowledge & expertise

### Facilities Enhancements

**Phil Barry**

**Improved Research Capacity:**

Grants for research facilities....

- Pond lab renovation, new greenhouse (NSF)
- Completed laboratory renovations for new faculty...



**Improved communications and connectivity:**

- 1Gbps fiber network to field sites (MSU) and video conference rooms (DOE)


### Improvements to our ‘public image’

- Repainted the ‘Spartan Tower’
- Restored and remodeled Caretaker’s Cottage (donor and Conference Center)
- Enhanced entrance to the Manor House, with walkways and garden (donors)






### And of course.. The Bridge!



### Connecting to the Community...

**Barb Baker**

**Share the Harvest**

- ~800 visitors in 2011
- Almost 1000 lbs. food donated
- Faculty, staff and students participated!



**Dessert with Discussion**

- Sept. 20 – *Michigan Cheese & Artisan Cheese Makers*  
Dr. John Partridge, MSU Dairy Store (93 people)
- Oct. 18 – *A Hyena’s Tale*, Dr. Kay Holekamp, MSU

**Coming in 2012**

- April 24 – *Gardens, Health & Healing: Folklore to Contemporary Practice*, Dr. Joanne Westphal, MSU
- Sept. 18 – *Building a sustainable food system in Detroit*  
Dr. Mike Hamm, MSU
- Oct. 23 - *Bringing science and nature to prisons and prisoners*  
Dr. Nalini Nadkarni, University of Utah



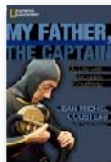
**Communication and Marketing**

Annual Report – October 2011  
 Station to Station – changing to one time per year (Spring)  
 Two interns per year (Summer and Fall)

**Community Partnerships..**

**Research** – Gull Lake water quality and Prairie Restoration

**Outreach** - Distinguished Speaker Program with Gull Lake Community Schools (Oct 25<sup>th</sup>)



**Expanding E-connectivity**

E-Station to Station (monthly)

Facebook facebook.com/KelloggBiologicalStation  
 Twitter twitter.com/KelloggBioStn  
 Flickr flickr.com/photos/kelloggbiostn  
 YouTube youtube.com/user/kelloggbiostn

**Mark your calendars for...**

**Upcoming KBS Holiday Events at Manor House**

**KBS Holiday Gathering... Monday, Dec. 12, 4:30 p.m.**

**Public Events:**

Holiday Walks – every weekend, starting at Thanksgiving  
 Nov. 25-26 & Dec. 2-3, 9-10, 16-17, 19 & 21.

Holiday Teas – Dec. 6, 7, 13, 14 & 20

Holiday Luncheon – Thursday, Dec. 15

Holiday Dinners – Friday Dec. 16 & Saturday 17

Holiday Brunch – Sunday, Dec. 18



**Tough times... financially!**

**KBS Financial Report  
 FY 2011**

**Income ~ 10M**

MSU General Fund – 37%  
 Michigan AgBio/MSUE – 6%  
 Grants & Contracts – 37%  
 Revolving – 18%  
 Gifts, Endowments – 3%

**Expenditures ~ \$9.4**

Salaries and Wages - 55%  
 Physical Facilities - 37%  
 Operating - 8%  
 Scholarships etc - 1%

**Outlook FY2012**

Significant reductions  
 • AgBio (~14% operating)  
 • Extension (85% operating, elimination of funding for several positions)



**How do we move ahead with less?**

- Postponing projects
- Reallocating 'discretionary funds'
- Asking for bridging funds... while we plan
- Developing **strategic priorities..** and new options for supporting what we do!



**"Advancement" and the Capital Campaign...**

**What do we want to do....**

Scholarships and Fellowships  
 Manor House Endowment  
 'Discretionary' funds  
 Faculty endowed chairs  
 Outreach and Education



**Where are we now....**

**Currently 1.2M in KBS Endowments**  
 ~\$960,000 in Scholarship funds...

**Kellogg Trusts...** \$3.3M in Trusts established by WK Kellogg  
 Farm \$1.1M (Harris Bank)  
 Sanctuary \$2.2M (Harris and Comerica Banks)

**... a good start!**

**Next steps....**

Get our 'message' out...

"What is the Kellogg Biological Station?" ... and why people should care!

Be strategic...

We can not do everything!

Setting priorities...

Research and Education  
 • Graduate and Undergraduate  
 • Focal Areas

Enhancing public understanding of the research we do at KBS!

Stewardship of our resources



**That's where you come in:**  
**You are our 'messengers'...**  
Tell people what you/we do...  
Why it is important.. To you and them!

**Let me know.. What people are saying!**

**Your financial contributions help...a lot!**  
Go with your heart..  
Sanctuary? Manor House? Dairy?  
Educational Programs? Scholarships? Internships?  
A community Partnership...  
Deer processing (\$45/deer)

