



Life from the Trenches

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Department of Animal Sciences

- Feed form and processing on performance
- Evaluation of ingredient quality, additives
- Nutrient availability as it is affected by processing





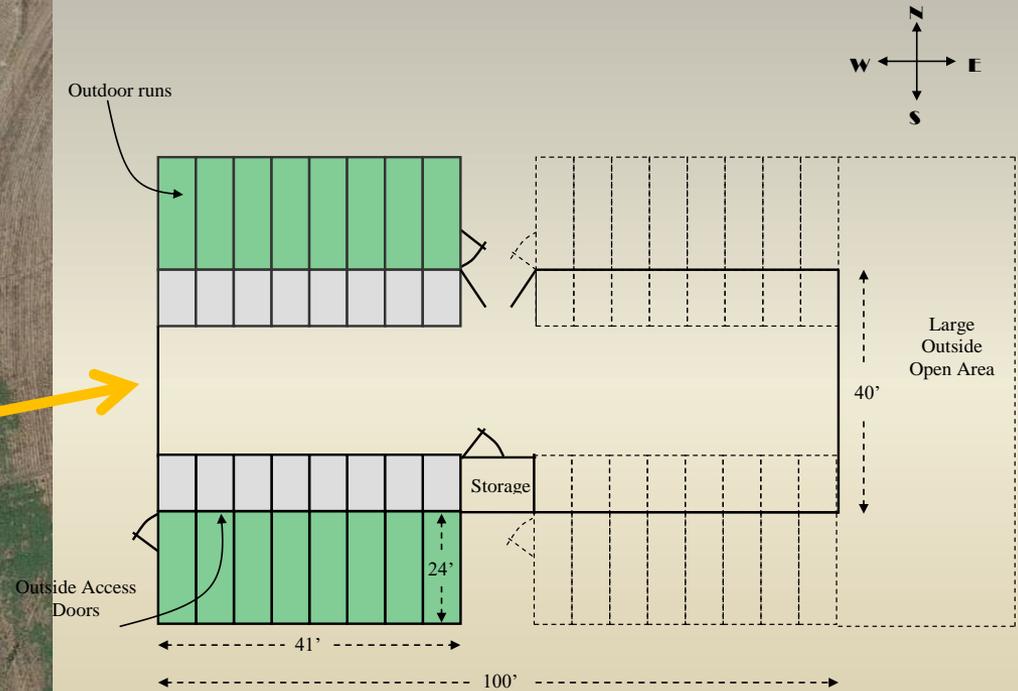






New Projects, Summer 2013

Has 20 indoor pens with outdoor flight areas
Funded in-house with some donations



Has it been 24 years already?

- Teaching - 70% (20)
- Extension – 10% (30)
- Research – 20% (50)
- Service – 90% (90)

Changes over 24 years....

- 650 students to over 1200 students
- 20 advisees to 40/50
- 50:50 M:F ratio to 30:70

Primary Career Interest

Pro. School (vet, law, med, ...)

Graduate School

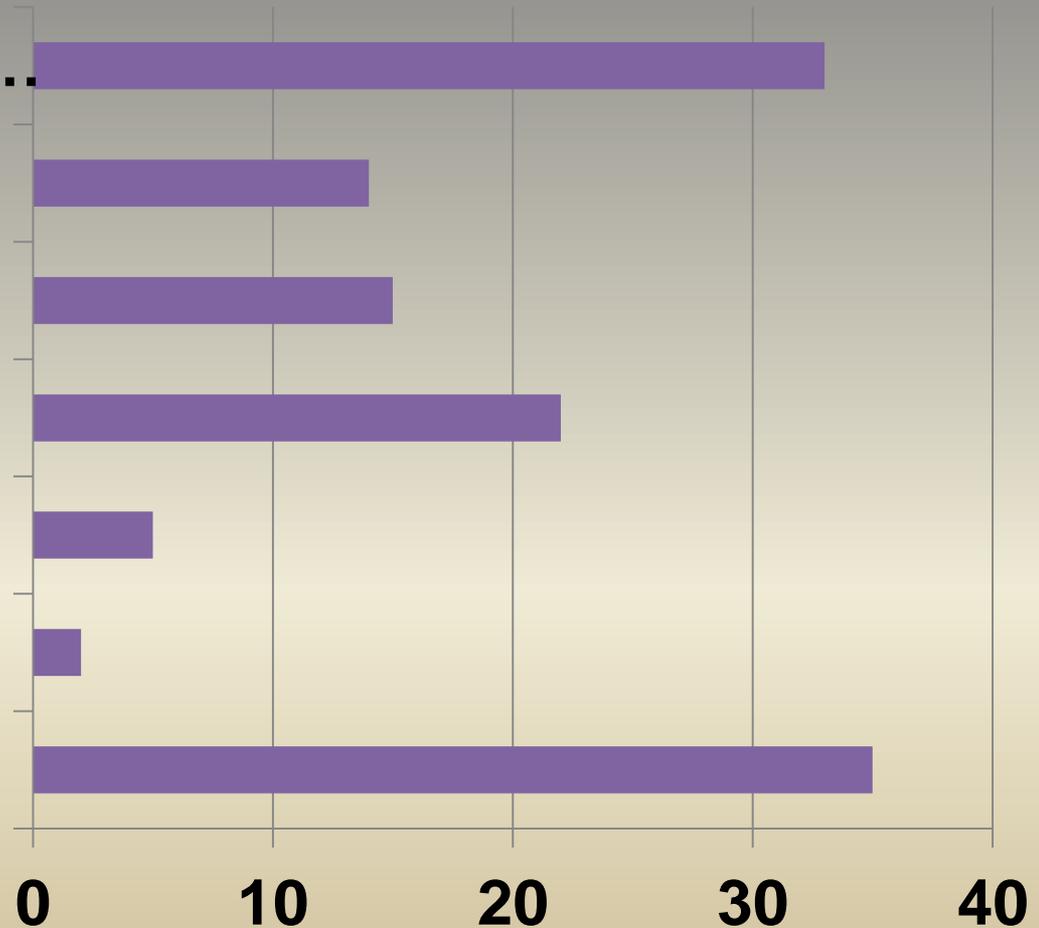
Bioscience/R & D

Production/Processing

Advertising/Marketing

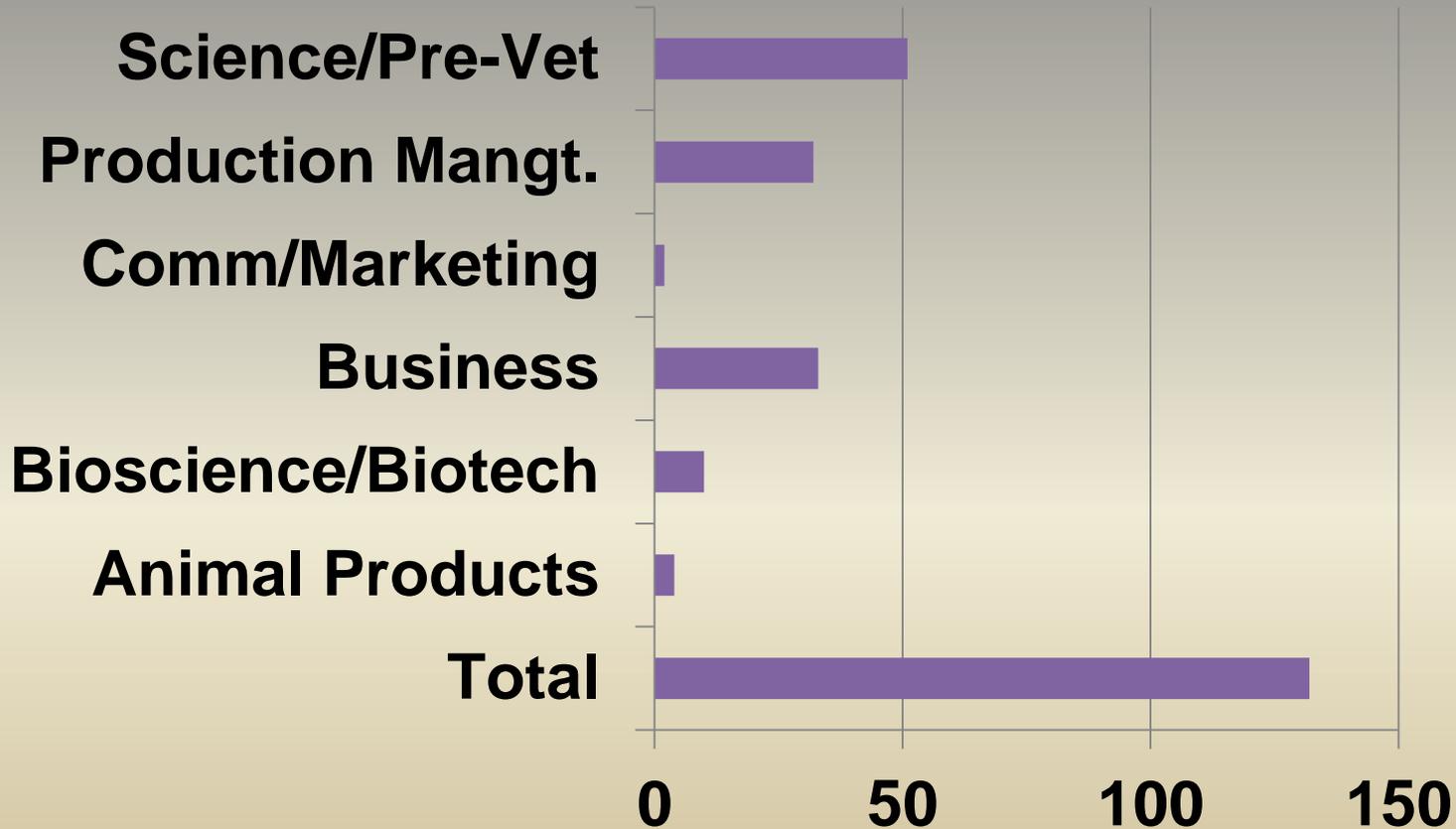
Comm/Journalism

Business Management





Degree Option



Teaching Philosophy.....

Find a way to survive with small animals in a large animal department

- **Engage with the students**
- **Build on my experience with**
 - **“inattentive advisor”**
 - **“research experience”**

Engaging with Students

There are names, not numbers in those seats

- **Local travel with small groups**
- **Competition teams**
- **Undergraduate research**
- **Club events, leadership**
- **International travel group**

College Student Career Programs

- **Go to Midwest Meeting in Minneapolis, Atlanta for International Poultry Expo.**
- **Great place to interview for jobs**
- **Present projects**

Evaluation Team

- Univ Arkansas in Fall
- Fly to LSU in Spring, see LA and New Orleans
- Competitive, but fun or I won't coach



Undergraduate Research

- **Getting students involved is very important to me. Why? It makes a better KSU graduate. They learn a ton.**
- **Some advantages of this opportunity include:**
- **1) a chance to get their name on a real publication for their resume**
- **2) a chance to travel to a national research meeting and make a live presentation**
- **3) a chance to build your resume**

Undergraduate Research



- University Honors Program
- McNair Program
- Students with specific interests
- Totally lost students

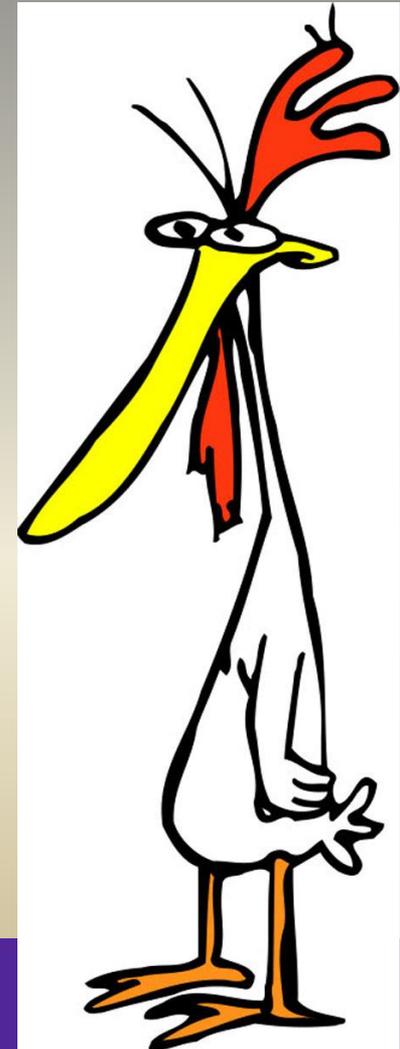
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Center of Excellence

Scholarship/Internship Program

- <http://www.mwpoultry.org/COEhome.html>



Switzerland 2018

- **Animals – Companion animals, biotech**
- **Food - cheese, chocolate, meat**
- **Outdoors – mountain hiking, walking trails**
- **Train and gondola travel**
- **Lodging, hostels, B&Bs, no western hotels**



- 
- **“Cell phones as so 1990s”**
 - **“Email? I’ll check it next week, send a text and remind me”**

We have evolved through.....

- Heavy portables
- Light portables
- Tablets
- Readers
- combos
- Small cell phones
- Large cell phones and sometimes nothing else

Continually evolving.....

- Out of 89 students this semester, ZERO indicated they subscribe to cable
- News comes from social media
- Students in the back text the ones in the front to tell them to remind me that class time is over

Teaching

- ASI 106 Dairy and Poultry Science Lab **1993**
- ASI 107 Companion Animal and Horse Lab **2002**
- ASI 310 Poultry and Poultry Product **1997**
Evaluation
- ASI 520 Companion Animal Management (D) **2000**
- ASI 635 Game Bird Management **2013**
- ASI 640 Poultry Products Technology (D) **1996**
- ASI 645 Poultry Management (odd springs) **1995**
- ASI 676 Avian Nutrition (even falls) **2010**
- ASI 677 Companion Animal Nutrition **2014**

How did 520 come about?

- Large number of prevets interested in small pets
- Students asked me to do it
- I had pet food (processing) work in progress, real experience with lab animals
- I proposed it with no real appointment

107 Course Objectives

1. Understand the importance of companion animals to US society
2. Understand alternative career options in ASI with non food animals
3. Know the basic breeds and classes of canines and felines
4. Understand basic differences for pets versus production animals
5. Contemplate and write a set of career goals
6. Understand the use of animals for therapy, entertainment, service, etc
7. Understand the needs, and future direction the industry of non food animals.

520 Course Objectives

1. Explain the history, structure and value of the companion animal industry.
2. Understand the management and care of pets.
3. Compare unique in nutritional requirements of animals kept as pets.
4. Understand the basic feeding and nutrition requirements of pets.
5. Understand the laboratory and pocket pet industry and which animals are used and why.
6. Explain the management and care of small animals as pets and for research.
7. Define the unique terms, words, etc. associated with companion, pocket and lab animals.
8. Define the kennel industry and how companion animals are managed in groups

A Companion Animal Course

- **Proposed in 1999, not well received**
- **2000, ASI 320 Companion Animals**
- **2003, ASI 520 Companion Animal Management**
- **2012, ASI 520 Companion and Laboratory Animal Management**

Enrollment

- 2000 – 35
- 2002 – 45
- 2002/14 – 55
- 2014/present – 90 on campus, 60 online

Why are they enrolling in 520?

- Small animal, pet interest, prevets
- No longer interested in vet program, seeking info
- No more info on food animals, please

Surveys of the 520 Students

- **What does society get wrong about your generation?**
 - **Stop stereotyping us**
 - **Stop calling us millennials**
 - **We are not lazy**
 - **We don't do stuff/buy stuff because we are BROKE**
 - **“My deity is my phone, apps are angels”**



- **Things you need to buy**

- **Life experiences**

Surveys of the 520 Students

- **Have you ever considered companion animal food and nutrition as a career?**
 - **75% yes**
 - **10% kennels and pet care**
 - **5% zoos**
 - **5% research/teaching**
 - **other**

Surveys of the 520 Students

- **What is the most important thing you will be looking for in future employment?**
 - **Working with animals**
 - **Enjoyment**
 - **Flexibility**
 - **Great work environment**
 - **Health care, money**

Surveys of the 520 Students

- How important is location when it comes to choosing a job?
 - Anywhere
 - Anywhere on earth
 - The Midwest
 - Kansas

Minors.....

- Business – 11
- Agronomy - 3
- Mass communications - 2
- Agribusiness - 2
- **Feed Science - 2**
- Political Science
- **Pet Food Science - 2**
- Entomology - 2
- **Pet Food Production - 2**
- Leadership Studies
- German, Statistics, Dance

How to get Students Interested in a Career

- **Get them to national meetings and get them involved**
- **Offer strong internships**
- **Visit campus/classes/career fair**
- **Sponsor undergraduate projects**
- **Invite a group to tour**