OPPORTUNITIES IN VETERINARY MEDICINE...THERE ARE NO BOUNDARIES!

Richard W. Meiring, DVM, DACVPM
College of Veterinary Medicine
Mississippi State University
Today’s veterinarians

- Only doctors taught to protect health of both animals and people
- There are over 80,000 veterinarians in active practice
Protecting the health of animals and society

- Private clinical practice
- Teaching & research
- Regulatory medicine
- Public health
- Military service
- Other activities
Private clinical practice
Teaching and Research
Regulatory Medicine

USDA & State Agencies

USDA-FSIS

FOOT-AND-MOUTH

U.S. veterinarians join British in battle against animal virus

ASSOCIATED PRESS

LONDON — Fifteen American veterinarians arrived in Britain yesterday, ready to help in the fight against foot-and-mouth disease and eager for a first look at an illness that has not been seen in the United States since 1929.

The Americans are providing vital reinforcements as the British government tries to shorten the time between diagnosing and slaughtering infected animals. Scientists say speeding up that process is key to eradicating the highly contagious disease.

They join 125 foreign veterinarians in Britain helping diagnose the virus and supervise livestock slaughters, among them 45 other Americans and others from Australia, New Zealand, and several European countries. Many of the American vets were recruited by the U.S. government.

None of the U.S. doctors has seen a live foot-and-mouth case, and their up-close experience would be useful if the United States ever suffers an outbreak.

Dr. Robert Mack, a professor at Auburn University’s veterinary school in Alabama. The U.S. Department of Agriculture “likes us being here because if we have a problem, then we’ll know what we’re doing, we will have been in the fray before.”

Rice Macfie, South Carolina state veterinarian’s office in Columbia, said the Americans will have to rely at first on their book learning.

“Like any other disease, you have to see it to learn it. We have not had an occasion to see it,” he said.
Veterinary Public Health

EMERGING INFECTIOUS DISEASES

Homeland Security
Military Service
Other professional activities
# Income for Private Practice Veterinarians in the USA

<table>
<thead>
<tr>
<th>Private Practice Type</th>
<th># of Vets</th>
<th>Median Income Pre-Tax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Animal Exclusive</td>
<td>993</td>
<td>$91,000</td>
</tr>
<tr>
<td>Food Animal Predominant</td>
<td>4,150</td>
<td>$79,000</td>
</tr>
<tr>
<td>Mixed Animal</td>
<td>4,376</td>
<td>$73,000</td>
</tr>
<tr>
<td>Small Animal Predominant</td>
<td>5,688</td>
<td>$91,000</td>
</tr>
<tr>
<td>Small Animal Exclusive</td>
<td>37,137</td>
<td>$79,000</td>
</tr>
<tr>
<td>Equine</td>
<td>3,404</td>
<td>$91,000</td>
</tr>
<tr>
<td>Other</td>
<td>344</td>
<td>$79,000</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>56,092</strong></td>
<td><strong>$79,000</strong></td>
</tr>
</tbody>
</table>

http://www.avma.org/reference/marketstats/usvets.asp
## 2008 Starting Salaries

<table>
<thead>
<tr>
<th>Private Practice Type</th>
<th># of Vets</th>
<th>Median Income Pre-Tax</th>
<th>Mean Additional Compensation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Animal Exclusive</td>
<td>44</td>
<td>$62,424</td>
<td>$13,783</td>
</tr>
<tr>
<td>Food Animal Predominant</td>
<td>47</td>
<td>$57,745</td>
<td>$8,726</td>
</tr>
<tr>
<td>Mixed Animal</td>
<td>162</td>
<td>$58,522</td>
<td>$7,883</td>
</tr>
<tr>
<td>Small Animal Predominant</td>
<td>132</td>
<td>$61,753</td>
<td>$9,040</td>
</tr>
<tr>
<td>Small Animal Exclusive</td>
<td>549</td>
<td>$64,744</td>
<td>$9,659</td>
</tr>
<tr>
<td>Equine</td>
<td>57</td>
<td>$41,636</td>
<td>$9,278</td>
</tr>
<tr>
<td>Public/Corporate</td>
<td>51</td>
<td>$63,670</td>
<td>$13,067</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>1,042</td>
<td><strong>$62,599</strong></td>
<td><strong>$11,173</strong></td>
</tr>
</tbody>
</table>
The need for food supply veterinarians

- Why food supply medicine will remain vital:
  - Societal concerns for animal welfare
  - Foreign animal diseases
  - Emerging disease threats and bioterrorism
  - Zoonotic diseases
  - Food safety - preharvest & post-harvest
  - Antimicrobial resistance
  - Concern over new and existing technologies
Benefits of Working as a Food Animal Veterinarian

- Rural lifestyle / outdoor work
- Public health / Safety
- Variety / Interesting tasks
- Work with good people
- Flexible hours / Autonomy
- Good income
- Personally satisfying
- Stable career / Opportunities
- Low stress / Slower pace
- Build community
Is there a need or demand?

- **FSVMC/Bayer Study**
  - “Estimating FSVM Demand and Maintaining the Availability of Veterinarians for Careers in Food Supply Related Disciplines in the United States.”
  - Drs. Andrus, Gwinner and Prince
  - College of Business Administration at Kansas State University.
Is there a need or demand?

- FSVMC/Bayer Study
  - The demand for both beef and dairy practitioners is expected to increase in the future.
  - Both types of practice are expected to require 3-5% more veterinarians in short-term, medium-term, and long-term periods.
Beef & Dairy Demand

- **Beef:**
  - Short-Term: Up 3.0%
  - Medium-Term: Up 3.0%
  - Long-Term: Up 6.0%

- **Dairy:**
  - Short-Term: Up 4.0%
  - Medium-Term: Up 3.0%
  - Long-Term: Up 5.0%

Short-Term: 2004-07

Medium-Term: 2007-10

Long-Term: 2010-16
Is there a need or demand?

- FSVMC/Bayer Study
  - On the supply side
    - shortages of both beef and dairy practitioners of 3.5 - 5% are predicted in short-term, medium-term, and long-term periods.
Quick facts

Wise Center

- completed in 1982
- 620 rooms on 8 acres
- 360,000 square feet under one roof
Our Unique Curriculum

Year 1 = foundation courses

Year 2 = study of clinical diseases & surgery labs

Year 3 = clinical rotations in AHC

Year 4 = remaining clinical rotations and experiential
Quick facts

Enrollment

- 80 students entering class of 2012
  - Approximately 40 seats for MS residents
    - Evaluated separately from out-of-state pool
  - 5 seats assigned to contract state
    - South Carolina
    - West Virginia
Other Student Programs

- Dual Degree Program
  - MS/PhD
  - Thesis and Non-Thesis
- Summer Research Program
So you still want to be a vet!?
Admissions requirements

A strong academic record

- 2.8 GPA is required at MSU-CVM
  - Overall and Math/Science
- Incoming class has >3.5 GPA
- Need to take the GRE
  - Incoming class has >1,000
- Be sure to choose a college or department that will allow you to get the prerequisite courses
Prerequisite courses for MSU-CVM include:

- English composition
- Speech or technical writing
- Mathematics
- General biology
- Microbiology
- General chemistry
- Organic chemistry
- Biochemistry
- Physics
- Advanced science electives
- Humanities
Personal qualities to lead to a successful career include:

- A scientific mind
- Good communication skills
- Management experience
- Animal handling experience
Thanks for your attention!

Are there any questions?