

## RESUME

### I. PERSONAL INFORMATION.

**Name:** Mark Alan Varner  
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Department of Animal & Avian Sciences  
 University of Maryland  
 College Park, Maryland 20742

#### Educational Background:

1975: B.S. With Distinction, University of Minnesota, Animal Sciences  
 1977: M.S., Washington State University, Animal Sciences  
 1981: Ph.D., North Carolina State University, Physiology

### II. ACADEMIC ACTIVITIES.

#### A. Positions Held:

1. Experience in higher education.
 

1975-77	Research/teaching assistant at Washington State University
1977-81	Research assistant at North Carolina State University
1981-88	Extension Specialist with academic rank of Assistant Professor at University of Maryland, Department of Animal Sciences.
1988-92	Extension Specialist with academic rank of Associate Professor at University of Maryland, Department of Animal Sciences.
1992-93	Visiting Professor, Department of Herd Health and Reproduction, Utrecht University, Utrecht, The Netherlands.
1993-1997	Extension Specialist with academic rank of Associate Professor at University of Maryland, Department of Animal Sciences.
1997-2011	Extension Specialist with academic rank of Professor at University of Maryland, Department of Animal & Avian Sciences.
1999-2003	Director, Graduate Program in Animal Sciences
2005-2010	Coordinator, Undergraduate Program in Animal Sciences
2007-2011	Coordinator for eXtension and On-line Learning for College of Agriculture and Natural Resources
2008-2011	Assoc. Director, International Programs in Agriculture and Natural Resources
2011-Present	Senior Counselor for International Programs with Assoc. for Public and Land-grant Universities, Washington, DC
2012-Present	Professor Emeritus, University of Maryland, Department of Animal & Avian Sciences.

### **III. RESEARCH, TEACHING, EXTENSION, SERVICE.**

#### **A. Publications as first or co-author:**

1. Twenty two articles in peer-refereed journals.
2. Five book chapters
3. Extension Publications.
  - a. Six refereed Extension publications
  - b. Non-refereed Extension Publications
    1. Two Bulletins
    2. Thirty Seven abstracts and professional papers presented.
    3. Over 50 articles in popular press publications

#### **B. Other Creative and Scholarly Activities:**

1. **Special Recognition and Achievements.**
  - a. Certificate of Honor for fostering development of distance education program in Russia, from Minister of Agriculture, Russian Ministry of Agriculture, Moscow, September 2001.
  - b. National Dairy Extension Award. (ADSA Alfa-Laval) July 1998.
  - c. Selected 25 Most Influential People in US Agriculture. Farmer's Digest Magazine. Baraboo, WI. November 1998.
  - d. U MD - College of Agric. & Nat. Res. Chapter award for Excellence in Extension. March 1996
  - e. Average of five to ten invited presentations annually to national and international audiences
2. **Over \$1,200,000 in contracts, grants and gifts** (research and extension).
3. **Review of Grants, Research Proposals, and Publications.**
  - a. Grants panels and ad-hoc review for national funding agencies
  - b. Lead Editor of Business Management Section and Chairman of National Planning Committee, National Dairy Cattle Database.

#### **C. Instruction:**

1. Taught all or majority of six courses, with annual enrollment of over 100 students.
2. Supervision of Student research (five M.S. students completed).

#### **D. Extension Activities:**

1. Major Programs Established. Maryland Dairy Cattle Information Systems - Computers and the Internet are important communication and information management tools. A comprehensive communication program was developed that includes Internet-based electronic mail networks; contributions towards development of a dairy production fact sheet database published on CD-ROM and World-Wide-Web (WWW) technology; a dairy decision support software library, and a dairy decision support development laboratory.

## **E. International Activities:**

A one year sabbatical leave (9/92 - 8/93) was spent in The Netherlands focusing on use of automated methods for detection of estrus in dairy cattle with the Department of Herd Health and Reproduction, School of Veterinary Medicine, Utrecht University, Utrecht and DLO Research Institute for Animal Production (ID-DLO), Lelystad. Two large data sets were collected for further analysis and this effort was supported by a grant from private industry. The scientific conference listed below was supported by a USDA-FAS grant. The on-line scientific journal for Russian authors was supported by a USDA-FAS grant. The workshops in 2007 below were supported by a HED-USAID grant. The veterinary continuing education training was also supported by the same HED-USAID grant

A series of four workshops, each lasting three or four-days, on the use of distance learning software to enhance traditional teaching were conducted at:

- Moscow State Agro-Engineering Univ. for 40 faculty members from 11 institutes/universities across Russia during October 1999,
- Novosibirsk State Agricultural Univ. for 25 faculty members from 6 institutes/universities across Siberia during October 2000,
- Moscow State Agro-Engineering Univ. for 20 faculty members from 6 institutes/universities in the Moscow region during September 2001 and
- St. Petersburg State Agrarian Univ. for 20 faculty members from 6 institutes/universities in the St. Petersburg region during September 2001.
- United Arab Emirates Univ. for 25 faculty members during October 2002.
- Stavropol State Agrarian Univ. for 30 faculty members from 5 insitutes/universities in the Stavropol region during May/June 2004.
- Stavropol State Agrarian Univ. for 45 faculty members from 5 insitutes/universities in the Stavropol region during March 2007.

A series of veterinary continuing education programs for veterinarians in the Stavropol Krai, Russia were planned and offered via Internet-based video conference with the speaker in the US and over 100 veterinarians at each conference. Programs are planned for three times/year from 2006-2009, with sessions conducted in April 2006, December 2006, March 2007, October 2007, December 2007, March 2008, October 2008 and January 2009.

A scientific conference to bring the top meat scientists between Russia and the United States together in Moscow to make presentations and discuss potential solutions to problems in testing the safety of meat and meat products for export. The proceedings of the conference have been published (<http://agrojournal.msau.ru/eng>).

An on-line scientific journal was established to aid Russian agricultural scientists in publishing the results of their research (<http://agrojournal.msau.ru/eng>). Four issues have been published.

Served as Associate Director of International Programs in Agriculture and Natural Resources at the University of Maryland from 2008-2011.

**F. Association of Public and Land-grant Universities (APLU):**

- The Board for International Food and Agricultural Development (BIFAD) is a seven-member presidentially-appointed board that provides advice and counsel to the USAID Administrator regarding food security, agriculture, rural development and nutrition. APLU has a long-term contract to provide analytic and organizational support to BIFAD, especially related to the academic community. I provide information to the APLU membership regarding BIFAD's efforts and input to BIFAD from the membership.
- The Commission on International Initiative (CII) at APLU involves the Senior International Officers and the Directors of International Agriculture Programs and hosts sessions at the APLU Annual Meeting and a separate summer meeting for the CII. I provide programmatic and logistical support for the CII and the International Agricultural Section of the Commission on Food, Environment, and Renewable Resources' Board on Agriculture Assembly.