

CURRICULUM VITAE

David Paul Shapiro, B.A., D.V.M, Diplomate ACPV

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PERSONAL DATA

US Citizen. Born December 18, 1955 in Indianapolis, Indiana. Address 37473 Albatross Drive, Selbyville, Delaware, 19975 USA. Phone: 302-362-7529, email: dpsdvm@gmail.com

EDUCATION

Primary and secondary school in Marion County, Indiana. Allisonville Elementary School, Eastwood Junior High School, North Central High School. High school graduation in May 1974. National Merit Scholarship Finalist. Received American Field Service Scholarship for foreign study abroad (Republic of South Africa).

Bachelor of Arts Degree (Magna Cum Laude) in Psychology from *Wabash College*, Crawfordsville, Indiana in May 1977. Passed Comprehensive Examinations with highest grade of Distinction. Wabash College Honor Scholarship Merit Award. Research areas were Artificial Intelligence and Computer Simulation.

Graduated with *Doctor of Veterinary Medicine* degree in May 1981 from *Purdue University*, West Lafayette, Indiana. Studied Avian Pathology under Dr. Roland Winterfield. Received Indiana State Poultry Association Award.

Diplomate, American College of Poultry Veterinarians since August 1992.

PROFESSIONAL EMPLOYMENT

May 1976 to September 1976 - Laboratory Assistant. Department of Pathology, Indiana University School of Medicine. Responsible for benchwork in research on the metabolism of ornithine decarboxylase and polyamines as well as studies of steroidal effects on cloacal bursa development. Performed statistical analyses, autoradiography, assisted with electron microscopy, handled radioisotopes and radio-labeled compounds, assisted in animal surgeries, and did library research. Supervised by Dr. Joshua Edwards, Department Chair.

January 1978 to May 1979 - Pharmacology Research Assistant. Department of Physiology and Pharmacology, Purdue University School of Veterinary Medicine. Independent and joint projects with Dr. Gordon Coppoc and Dr. Jim Riviere. Research topics included pharmacokinetics of gentamicin and chlorpheniramine.

September 1980 to November 1980 - Veterinary Extern. Salsbury Laboratories, Charles City, Iowa. Student internship with a poultry biologics company.

November 1980 to January 1981 - Research Assistant. Department of Animal Science, Hebrew University of Jerusalem, Rehovot, Israel. Studied ontogeny of humoral immune response of turkey poults to *E. coli*. Supervised by Dr. Dan Heller and Dr. Beni Perlman.

July 1981 to April 1983 - Technical Services Veterinarian. Salsbury Laboratories, Charles City, Iowa. Responsible for field technical service domestically and internationally. Responsible for histopathological and microbiological examination of specimens submitted to Salsbury's diagnostic service. Responsible for interpretation of fluorescent antibody, serotyping, and serology results from diagnostic lab. Consulted with Biodevelopment section on research and supervised field trials. Assisted in development of text and design of promotional literature, newsletters, and Salsbury Poultry Disease Manual. Taught at Salsbury Chicken, Turkey, and Swine Schools.

August 1981 to April 1983 - Associate Veterinarian (part-time relief). Cedar River Animal Hospital, Charles City, Iowa. Normal duties of a relief veterinarian in a mixed animal practice.

April 1983 to January 1986 - Poultry Health Consultant. Self-employed, based in Germany. Provided technical consultation to a variety of clients worldwide. Clients included Hy-Line Indian River (primary layer and broiler breeder), Salsbury International (poultry biologics and pharmaceuticals), US Government AID Project (Haiti), Misset International and Watt Publishing (writing and editorial), Solvay Veterinaria (technical field work), Ciba-Geigy (veterinary pharmacology).

January 1986 to July 1989 - Director, Eurasia. Hy-Line Indian River International, West Des Moines, Iowa. Based in Germany. Responsible for all sales and technical service for Europe, Mediterranean, and Indian subcontinent. In addition to normal sales and service functions, supervised production of technical publications (including foreign language versions) for literature in English, French, German, and Dutch; field technical service to breeder farms/hatcheries; supervision of European grandparent and pure-line hatches; organization of the firm's participation in trade fairs (Holland, Germany, England); coordination of entries to Dutch, German, French, Polish, and Czechoslovakian random sample trials; preparation of import/export documentation; drafting of contracts; and negotiation of joint ventures.

August 1989 to December 1989 - Director of Research. Maine Biological Laboratories, Waterville, Maine. Supervised and planned research, development, and quality assurance activities. Provided technical support to sales department.

December 1989 to May 1992 - Manager, Veterinary Services. Zacky Farms, Fresno, California. Responsible for bird health at an integrated broiler/turkey operation producing 60 million broilers and 6 million turkeys annually. Responsible for all veterinary aspects of production from breeders through processing. Included field work, lab activities (serology/bacteriology), training, final product quality (carcass quality and food microbiology), as well as liaison with all production departments, news media, the USDA, FDA, and other local, state, and federal agencies.

May 1992 to June 1999 - Professional Services Specialist (1992-1994) and Manager, Worldwide Poultry Biologics (1994 to 1999). Hoechst Roussel Vet, Wiesbaden, Germany. Based in Knoxville, Tennessee. Overall management of HRV's global poultry vaccine business. Duties include project management/supervision of four recombinant DNA vaccine research projects based at in-house labs and at two university laboratories; as well as team member role on five conventional viral vaccine, one conventional bacterial, and one recombinant bacterial research project. Other global responsibilities include planning global vaccine segment strategy (research and marketing), monitoring global poultry health and technology trends, supervision of regulatory activities, identifying and evaluating new technology for in-licensing, managing intellectual property issues relating to poultry vaccine projects, negotiation of contracts with and management of funding for university based research, design and supervision of field trials, training of technical and sales personnel, and general field poultry diagnostics.

July 1999 to October 2005 - Poultry Health Consultant. Activities included poultry diagnostics, supervision of field trials, technology analysis, market analysis, development of computer-based training programs, food safety program planning, carcass quality troubleshooting, poultry health product development (research and regulatory), and traditional field veterinary services. Clients include broiler integrators; turkey, duck, and table egg producers; primary breeders, poultry health companies, and biotech companies.

October 2005 to October 2006 - Senior Director, Global Veterinary Services. Embrex, Inc., RTP, North Carolina. Based in Knoxville. Global responsibility for veterinary services in support of the company's vaccines and *in ovo* injection technologies. Advise R&D, marketing, and sales departments on regulatory, vaccine development, and biosecurity issues.

February 2000 to 2009 - Adjunct Assistant Professor, Department of Comparative Medicine, College of Veterinary Medicine, University of Tennessee. Lectured on poultry medicine topics, assist in poultry diagnostic submissions and advised on poultry related matters as requested. Taught 'Diseases of Poultry' elective to 2nd and 3rd year veterinary students.

October 2006 to March 2021 - Director, Veterinary Services. Perdue Farms, Inc., Salisbury, Maryland, USA. Company-wide responsibility for veterinary and adjunct (food safety, emergency coordination, poultry welfare, biosecurity) activities at the fourth largest US broiler producer. Supervise veterinary and laboratory staff (37 employees). Responsibilities include production in 16 states and includes conventional, NAE, and organic complexes.

July 2011 to April 2021 - Adjunct Professor, Department of Animal and Food Sciences, University of Delaware, Newark, Delaware.

April 2021 to Present – Poultry Health Consultant.

LANGUAGES & FOREIGN EXPERIENCE

English: native language. German: excellent. French & Spanish: basic reading skills. Have lived or worked in over 60 countries.

COMPUTER SKILLS

High proficiency in standard current word processing, graphics, spreadsheet, communications software. Perform database and web searches on scientific, technology, and patent topics regularly. Experience with corporate database and project management software. Ability to do task specific programming in Visual Basic and other Basic derivative languages. Have used computers on a daily basis since 1974.

PROFESSIONAL LICENSURE

Licensed to practice veterinary medicine in Tennessee, Indiana, Iowa, Wisconsin, Delaware, Virginia, and Maryland. Federal accreditation in Indiana, Tennessee, Delaware, Virginia, and Maryland.

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