



Alumni have been telling us what they want—and we've been listening! The 1986-1987 University of Pennsylvania School of Veterinary Medicine Continuing Education Program reflects *your* needs as a practitioner. You'll find courses designed to refresh your knowledge as well as update you on new techniques that can be applied right in your own office. This year, more "hands-on" laboratory courses are available. These courses, limited to twelve veterinarians each, provide one-on-one training.

Penn is proud to announce two cooperative programs with Travenol, Inc., and Gaines Foods, Inc. This cooperation with other organizations benefits all veterinarians, and we hope you will find these courses useful:

The Application of Intensive Care Therapies and Parenteral Nutrition in Large Animal Medicine. Tuesday, August 19, and Wednesday, August 20, 1986.

This two-day lecture and laboratory will include: Dr. Anne Koterba, "Meeting the needs of the perinatal equine patient: establishing an ICU and associated protocols"; Dr. Beverly Gilroy, "Anesthetic considerations in the large animal intensive care setting: (i) perinatal patient (ii) adult patient"; Dr. Jim Becht, "Fluid therapy in large animal patients"; Dr. Shauna Spurlock, "Catheter placement and maintenance in large animal patients"; Dr. Thomas Hansen, "Parenteral nutrition in the equine and bovine species"; Dr. Debra D. Morris, "Blood products: current and future technology"; Dr. Peter D. Rossdale, "A collaborative study of equine prematurity based upon a model of induced foaling"; Dr. Wilma Drummond, "Equine medicine from a different perspective: bridging the gap between human and equine neonate"; Mr. Tom Dixon, "Impact of intensive care therapies upon the equine insurance industry."

The Laboratory will include: "Total parenteral nutrition in the equine and bovine species," "Catheter placement and maintenance," "Plasmapheresis in an adult horse," "Large volume fluid delivery in the horse," and "Subpalpebral catheter for corneal lesions in the horse."

The Lecture will be held at the Radisson Hotel in Wilmington, Delaware, on Tuesday, and the Laboratory will be held at New Bolton Center on Wednesday.

The 35th Annual Gaines Foods Symposium. Saturday, September 13, 1986.

This course will include: Dr. D. J. Meyer, "Approach to the diagnosis of liver disease in dogs and cats"; Dr. Sharon A. Center, "Liver disease in cats"; Dr. Robert Hardy, "Chronic hepatitis in the dog: a syndrome"; Dr. Michael L. Magne, "The management of chronic hepatitis in dogs"; Dr. Stephen R. Gilbertson, "Interpreting the pathologist's interpretation of the liver biopsy."

The course will be held at The University Museum, 33rd and Spruce Streets, Philadelphia, PA.

THROUGH THE COURTESY OF GAINES FOODS, THIS COURSE IS OFFERED AT NO COST TO THE VETERINARY PRACTITIONER; HOWEVER, FOOD AND OTHER PREPARATIONS MUST BE MADE IN ADVANCE. WE ASK YOUR COOPERATION IN RESERVING YOUR PLACE NO LATER THAN THURSDAY, SEPTEMBER 11, 1986.

Equine Ultrasound. Wednesday, September 24, 1986.

This lecture/laboratory course is designed to provide the equine practitioner with the basic techniques for performing ultrasound examinations of the major body systems of the horse. Speakers will include: Dr. Benson Martin, Dr. Frank Pipers, Dr. Virginia Reef, Dr. Ray Sweeney, and Dr. Cooper Williams.

New Approaches to Food Animal Health and Productivity for Food Animal Disease Control Practitioners. Wednesday, October 1, 1986.

This practitioner-oriented course includes a computer workshop simulation of a regional outbreak of a highly contagious animal disease. Topics will include: Epidemiologic methods, A herd study of infertility and nutrition, Update on bovine growth hormone and Johne's Disease... and much more. Speakers will include: Dr. Colin Johnstone, Dr. Dan Cohen, Dr. David Galligan, Dr. William Marsh, Dr. James Ferguson, Dr. Edward Robb, Dr. Gary Smith, Dr. William Chalupa, Dr. Christine Rossiter, and Dr. Robert Eckroade.

Emergency and Critical Care. Wednesday, October 8, 1986.

This introductory course discusses the basics of emergency/critical care medicine. All discussion will be based on actual cases. Speakers will include: Dr. Rebecca Kirby, and Dr. Geraldine Kaufman.

Practical Veterinary Dental Techniques for Veterinarians and Veterinary Technicians. Thursday, November 6, 1986.

Separate all-day programs for veterinarians and veterinary technicians. Following short lecture presenta-

tions, participants will form small groups and rotate through three work stations. Speakers will include: Dr. Colin Harvey, Dr. Sandy Manfra, Dr. Deborah Sams, Ms. Roberta Throne, Ms. Marsha Venner, and Mr. Kevin Willis.

Non-Plating Orthopaedics. Wednesday, January 21, 1987.

This laboratory will deal with basic principles and techniques associated with the use of intramedullary pins, pins and wires, tension hand wires, and Kirshner-Ehmer Device. Speakers will include: Dr. Charles D. Newton and Dr. Gail K. Smith.

Surgical Approaches to the Bones and Joints of Dogs. Wednesday, February 18, 1987.

This lecture/laboratory demonstrates practical surgical orthopaedic approaches in dogs. This course will be taught by Dr. Charles D. Newton, Professor and Chief of Small Animal Surgery.

Oncology for the Practicing Veterinarian: Diagnosis and Treatment of Common Canine and Feline Tumors. Wednesday, April 8, 1987.

Divided into two sessions, the morning presentation includes basic principles of therapeutic modalities, and the afternoon presentation includes clinical cases illustrating the diagnostic work-up and decision-making process in applied cancer therapy. Speakers will include: Dr. Sydney M. Evans, Dr. Stuart Helfand, Dr. K. Ann Jeglum, and Dr. Gert W. Niebauer.

Reconstructive Stifle Surgery. Wednesday, May 13, 1987.

This lecture/laboratory will emphasize accurate diagnosis and appropriate surgical management of common disease entities of the stifle. New surgical techniques and developments in ligament replacement and augmentation devices will be discussed. This course will be taught by Dr. Gail K. Smith.

Surgical Drainage and Biopsy: Indications and Techniques. Wednesday, May 27, 1987.

General concepts and techniques of surgical drainage will be discussed. Also included are indications and techniques of biopsy of various organs. This course will be taught by Dr. Robert Orsher.

Small Animal Skeletal Radiology. Wednesday, June 3, 1987.

This comprehensive lecture/workshop will emphasize the principles of radiographic interpretation of the spine, skull, appendicular skeleton, and joints. Speakers will include: Dr. Darryl Biery, Dr. Sydney Evans, Dr. Mark Saunders, and Dr. Jeffrey Wortman.

Don't Forget the 1987 Penn Annual Conference: Wednesday, January 28, and Thursday, January 29, 1987. The Conference will be held at the Adam's Mark Hotel, City Line and Monument Avenues, Philadelphia, PA. Program Director, Dr. Charles Newton; Assistant Director, Dr. Thomas Divers.

For further information on all Continuing Education Programs, call the School at 215-898-4234 or 215-898-1882.

Research Support

The Department of Agriculture, Commonwealth of Pennsylvania, has approved the following research projects for continued funding at the School:

- Pseudorabies Virus Infection in Swine: Molecular Epidemiology and New Approaches to Analysis of Latent Infections.
- Effect of Degradability of Dietary Crude Protein on Fertilization and Embryonic Quality in Dairy Cattle.
- Economic Data Development Analysis of Veterinary Services to Dairy Herds.
- Serological Identification of Swine Herds with Trichinosis by ELISA, as a Basis for Control.
- Shipping Fever in Feeder Calves.
- Reproductive Failure in the Pig.

Resusci-Dog

The American Anti-Vivisection Society has donated a Resusci-Dog to the Department of Clinical Studies at VHUP.

"This is a valuable aid when teaching students how to do CPR (cardiopulmonary resuscitation) on dogs," said Dr. Alan M. Klide, associate professor of anesthesia. "The students learn how to insert a tube into the trachea, and they practice mechanical ventilation on the Resusci-Dog." Dr. Klide explained that the artificial dog has replaced live animals in the CPR course.

Aside from learning how to intubate a dog, students are also taught cardiac massage with the Resusci-Dog. "It has sensors on the chest, and a light flashes when the hand is in the correct position for

cardiac massage," said Dr. Klide. "Further, students learn how much pressure to apply; this, too, is indicated by a light." Another feature of the mechanism is a pulse which the teacher can change, reflecting different conditions. "This really helps, and it is useful for learning and practice."

Dr. Klide added that the Resusci-Dog has made the course more interesting, as different clinical situations can be demonstrated. "It is fully incorporated into our teaching plan, and we utilize the Resusci-Dog not only for teaching our third year students, but we also use it in rounds in anesthesia, ICU, and Emergency Service. Further, the dog is also used in the training of nurses."

In addition to the Resusci-Dog, the American Anti-Vivisection Society donated four books to the library.

