

Spring Conference for Veterinarians
New York State College
of Veterinary Medicine

June 15-17, 1987





Dear Colleague:

We would like to welcome you to the Spring Conference for Veterinarians at the New York State College of Veterinary Medicine, Cornell University. The program includes outstanding speakers from throughout the United States. A number of people have requested the addition of a Spring Conference due to milder weather conditions than January and a variety of other reasons. The Conference has been scheduled to follow the Cornell Reunion Weekend for the convenience of those attending. In addition to the Cornell Alumni activities, several classes of veterinarians will be having Alumni Reunions and we are encouraging these activities. These include the Class of 1917, 1922, 1927, 1932, 1937, 1942, 1947, 1952, 1957, 1962 and 1967. If you are interested in any of these reunions, more information may be obtained from our office.

This year's program will include exotic species as well as our continuing effort to provide a balanced program on conditions and diseases of the horse, food animals, and companion animals. Hopefully the practitioner will find a balance of medicine and surgery in small and large animal subjects. The program has been arranged so one can concentrate on various disciplines as well as species interests. The program is made up of three-hour in-depth seminars with a balance between Cornell and visiting faculty.

A social program has been planned for the veterinarians and spouses attending. Of interest on the social scene will be the Monday evening picnic with jazz music by Peggy Haine and her Lowdown Alligator Jazz Band. The Spouse's program has been arranged to provide an opportunity for participation in a social and relaxed environment. Please plan to come and participate in the activities of interest. In addition, the Ithaca area is well blessed with parks, streams and lakes. A number of outdoor activities are available for families in addition to planned activities.

We will recognize those among us who have contributed to our profession for 40 years or more. Please indicate on your registration if you are one of those dedicated people.

June 15, 1987

Monday, 9:00 a.m. - 12:00 a.m.

<i>Course Number</i>	<i>Room</i>	<i>Title</i>
101	D-215	Stallion Evaluation and Management: Current Techniques — T. V. Little and M. O'Connor
102	BTI	Ultrasound of the Abdomen and Heart — A. E. Dietze and N. S. Moise
103	Auditorium	New Concepts in Wound Manage- ment and Bandaging — S. F. Swaim
104	C-207	Milk Progesterone Testing in Dairy Cattle — C. J. Bierschwal: Sponsored by Hoechst
105	D-105	Small Animal Ophthalmology — T. J. Kern

Monday, 1:30 p.m. - 4:30 p.m.

106	G-3	Contrast Radiography of the Lower Urinary Tract in Dogs and Cats — G. R. Johnston
107	BTI	Equine Influenza — D. F. Holmes
108	Auditorium	Selected Topics in Small Animal Liver Disease — S. A. Center
109	D-105	Monitoring Production Health Management — B. D. Harrington
110	C-207	Gross Pathology — J. M. King
111	G-159	Ultrasound of the Abdomen and Heart: Laboratory — A. E. Dietze and N. S. Moise — Limited to 12

SPRING CONFERENCE PICNIC

6:30 p.m. - 11:00 p.m.

**Entertainment by Peggy Haine
and The Lowdown Alligator Jass Band
Tent behind the Veterinary College**

June 16, 1987

Tuesday, 8:30 a.m. - 11:30 a.m.

<i>Course Number</i>	<i>Room</i>	<i>Title</i>
201	G-3	Radiographic Manifestations of Dental, Paranasal Sinuses and Guttural Pouch Diseases in the Equine — G. R. Johnston

202	Auditorium	Practical Techniques for Closing Problem Skin Defects in Dogs and Cats — S. F. Swaim
203	BTI	Persistent Hypoglycemia or Hyperglycemia in the Dog — J. F. Randolph
204	D-105	Use of Computerized Nutritional Production Management Programs — B. D. Harrington
205	C-207	Clinical Pharmacology for the Practitioner — D. W. Upton

Tuesday, 1:00 - 4:00 p.m.

206	BTI	Medical & Pre-Surgical Management of Equine Colic — E. Ehrhardt, P. Livesay-Wilkins, J. Lowe
207	D-105	Small Animal Endoscopy: Lecture — J. F. Zimmer
208	Auditorium	Localizing Disease to the Reproductive Organs of the Male — S. D. Johnston
209	D-215	Preliminary Observations on Serum Cholinesterase in the Domestic Species — R. H. Eckerlin The Management of Pain and Anesthesia Under Field Conditions — C. E. Short
210	G-3	Small Animal Dentistry — A. Golden
211	C-207	Advances in the Control of Parasites: Lecture — J. R. Georgi

June 17, 1987

Wednesday, 8:30 a.m. - 11:30 a.m.

<i>Course Number</i>	<i>Room</i>	<i>Title</i>
301	Junior Surgery	Small Animal Endoscopy: Laboratory — J. F. Zimmer—Limited to 15 participants
302	Auditorium	Localizing Disease to the Reproductive Organs of the Female — S. D. Johnston
303	BTI	Small Animal Anesthesia With or Without Post-Anesthetic Management — R. D. Gleed
304	D-105	Selected Topics In Bovine Surgery — N. G. Ducharme and S. Fubini
305	C-205	Advances in the Control of Parasites: Laboratory — J. R. Georgi
306	G-159	Ultrasound of the Abdomen and Heart: Laboratory — A. E. Dietze and N. S. Moise — Limited to 12

101—D-215 Stallion Evaluation and Management: Current Techniques

Thomas V. Little and Máire O'Connor

Clinical fertility evaluation of the stallion with emphasis on new techniques such as ultrasonography, endoscopy and computer assisted semen analysis will be presented. Selected case histories illustrating these techniques will be discussed.

All aspects of stallion management from the day of purchase, including management in the breeding *shed*, will be discussed during the management segment.

102—BTI Ultrasound of the Abdomen and Heart

Amy E. Dietz and N. Sydney Moise

Ultrasonography is an exciting and rewarding diagnostic technique that is becoming available to more and more veterinary practitioners. Cost restraints are lessening, so that the only deterrent to the practitioner is the knowledge of this new field. The purpose of this seminar and laboratory experience is to provide the dedicated practitioner with the basic knowledge of ultrasound and its application to diseases of small animals. Case examples of abdominal masses, bladder and kidney stones, portocaval shunts, reproductive diseases, pericardial disease, cardiomyopathy, valvular disorders, etc., will be shown.

103—Auditorium New Concepts in Wound Management and Bandaging

Steven F. Swaim

Presentation will describe some of the etiologic factors which cause problem skin wounds in dogs and how those factors affect the treatment of the wounds. The lecture will also present information on wound lavage techniques, products and the effects of various topical medications on wound healing. Information will be presented on the proper bandaging techniques and materials for open wounds, to include new bandage materials that are available.

104—C-207 Applications of Rapid Progesterone Assay in Large Animal Practice

—Sponsored by Hoechst

Clarence J. Bierschwal

This discussion will cover detailed applications of EIA rapid progesterone (P_4) assay in veterinary practice including suggested uses for the veterinary laboratory, and those which can most effectively be applied by the client. The recommended uses of P_4 assay is based on progesterone testing for a 2-year continuous period and includes thousands of assays both quantitative and qualitative.

**105—D-105 Problems in Ophthalmology —
Glaucoma and Complicated Ulcerative
Keratitis**

Thomas J. Kern

The first half of this session will be devoted to illustration and discussion of current concepts of glaucoma pathogenesis, diagnosis, and management. The second half will be devoted to explanation of the pathogenesis of chronic corneal ulceration, as well as development of diagnostic and therapeutic plans for its successful management.

**106—G-3 Contrast Radiography of the Lower
Urinary Tract in Dogs and Cats**

Gary R. Johnston

This seminar will describe indications, contraindications, techniques, pitfalls, normal and abnormal radiographic anatomy of lower urinary tract disease in dogs and cats.

107—BTI Equine Influenza — What's New

Dorothy F. Holmes

A review of equine influenza—the disease and its epidemiology. Included will be a description and the results of experimental new vaccination strategies.

**108—Auditorium Selected Topics in Small
Animal Liver Disease**

Sharon A. Center

The diagnosis and management of selected liver diseases in the small animal patient will be discussed. Discussion will include case management problems and diagnostic procedures performed on clinical patients.

**109—D-105 Monitoring Production Health
Management**

Ben D. Harrington

This lecture will present computerized evaluations of production and health management in dairy cattle.

110—C-207 Gross Pathology

John M. King

A gross presentation of lesions seen in a daily necropsy service in New York State. It will include a brief discussion of the significance of each lesion.

**111—G-159 Ultrasound of the Abdomen and
Heart — Laboratory**

Amy E. Dietze and N. Sydney Moise

In this laboratory, experience will be gained in actually performing ultrasonography on dogs and cats, so that the beginning of ultrasound in the veterinary private practice—can begin! This laboratory will be presented again on Thursday morning. Limited to 12 in each session.

**201—G-3 Radiographic Manifestations of
Dental, Paranasal Sinuses and Guttural
Pouch Diseases in the Equine**

Gary R. Johnston

This seminar will describe radiographic techniques utilized for evaluation of equine dentition, paranasal sinuses and guttural pouches; and will describe the normal and abnormal radiographic anatomy encountered in disease.

202—Auditorium Practical Techniques for Closing Problem Skin Defects in Dogs and Cats

Steven F. Swaim

This lecture will present information about the techniques to close wounds of different shapes. The various techniques for management of skin tension in dermal surgery will be presented. Practical techniques for closing problem skin defects with grafts and flaps will be discussed, to include techniques for reconstructing traumatized paws.

203—BTI Persistent Hypoglycemia or Hyperglycemia in the Dog

John F. Randolph

This seminar will consist of two sections. The first half will review the clinical features, diagnostic tests, and therapies for persistent hypoglycemia in mature dogs. The second half will discuss the various causes of refractory hyperglycemia, emphasizing insulin resistant states.

204—D-105 Dairy Nutritional Health Management

Ben D. Harrington

This lecture will cover the use of computerized nutrition production management programs.

205—C-207 Clinical Pharmacology for the Practitioner

Dan W. Upson

The selection of antimicrobial agents for the treatment of animal diseases not only depends on the sensitivity of the infective organisms to the agents, but the action of the agents should also be considered. These factors become more complex when multiple medications are selected and administered to the same patient. These factors will be discussed during the first part of the lecture.

The second part will be devoted to the use and abuse of corticosteroids. This discussion will in-

clude the action and selection of agents and their appropriate usage.

The program is planned to meet the needs of the veterinarian in mixed practice with both large and small animal discussions.

206—BTI Medical & Pre-Surgical Management of Equine Colic

E. Ehrhardt, P. Livesay-Wilkins, J. Lowe

Dr. Eric Ehrhardt will discuss the techniques for and significance of abdominal auscultation in Equine Colic. He will present results of electronic measurements of abdominal sounds under the influence of various analgesics and results of a comparison of 80 practitioner's techniques for abdominal auscultation.

Dr. Pam Livesay-Wilkins will discuss gastrointestinal ulcers, enteritis, intussusception and other reasons for colic in the foal.

Dr. Jack Lowe will discuss management of the medical colic plus recognition and preparation for surgery of the surgical colic.

207—D-105 Small Animal Endoscopy: Lecture

James F. Zimmer

Flexible fiberoptic endoscopy has become an accepted diagnostic and therapeutic procedure in veterinary medicine. In performing an endoscopic examination, the veterinarian must have an understanding of an experience in two aspects of endoscopy. The first is simply how to perform the basic procedures to examine various portions of the body. The second aspect, which is more difficult to master, is how to interpret the observations made. This presentation addresses each of these two aspects for esophagoscopy, gastroscopy, colonoscopy, and bronchoscopy. Clinical case material will be used to illustrate these endoscopic procedures.

Attendance in this presentation is a prerequisite for participation in the endoscopy wet laboratory.

REGISTRATION

SPRING CONFERENCE FOR VETERINARIANS

New York State College of Veterinary Medicine

Name _____
Please Print Last First Middle
Address _____
City _____
State _____
Zip Code _____
Telephone _____

Have you moved during the last year? _____
College _____
Class of _____
Type of Practice _____

Where are you staying in Ithaca during this conference?

When do you plan to depart? _____
(Time & Date)

Please Fill Out Back of Card

Linda A. Ritzler
Office of Continuing Education
N.Y.S. College of Veterinary Medicine
Cornell University
Ithaca, NY 14853

I have enclosed a check in the amount of
\$_____ (U.S. Funds) made payable to
Cornell University. This check includes:

- \$125.00 Registration Fee
- \$62.50 Registration Fee — If graduated in
1947 or before
- \$15.00 Per erson for Monday Evening Picnic
- _____ Spouse's Registration

_____ Do you require a parking permit?

... All communications should be directed to the
Office of Continuing Education
(607) 253-3200.

... In case of cancellation, a \$10.00 administrative
fee will be charged.

... Cornell University is an equal opportunity
employer and educator.

Did you include your course selections?

**Preregistration will help to assure availability
of courses you desire.**

NOTES

NOTES

208—Auditorium Localizing Disease to the Reproductive Organs — Part I

Shirley D. Johnston

This course will be a problem-oriented approach to diagnosing and managing reproductive disorders of the male and female dog and cat. Usefulness and limitations of hormone assays, vaginal cytology and culture, cytogenetics, behavioral observations, survey and contrast radiography, semen evaluation and culture, prostatic massage and biopsy techniques will be described, using cases as illustrations for appropriate localizing diagnostics. Emphasis will be on the female during the first 3 hour session.

209—D-215 Preliminary Observations on Serum Cholinesterase in the Domestic Species

Richard H. Eckerlin

Observed ranges of serum cholinesterase for the domestic species as measured utilizing automated equipment will be described. Differences due to age, sex and breed within each major domestic species will be discussed. Effects of selected cholinesterase inhibitors in some species will be demonstrated.

The Management of Pain and Anesthesia Under Field Conditions

Charles E. Short

Anesthetic regimes for use in food animals will include cattle, sheep, goats and swine. This will include injectable anesthetics, analgesics and local anesthetics.

Anesthetic and pain control procedures in horses will include both standing and recumbant techniques.

Illustrations of the "on the farm" complications will be presented along with the medications and techniques to correct. Presented for the large animal or mixed practitioner.

210—G-3 Small Animal Dentistry

Amy Golden

This lecture will include the etiology, diagnosis, and treatment of dental diseases in dogs and cats. Periodontics, oral surgery, endodontics and restorative procedures will be discussed in depth. The practitioner will be shown the equipment and skills necessary to incorporate dentistry into the veterinary office.

211—C-207 Advances in the Control of Internal Parasitisms: Lecture

Jay R. Georgi

Control of internal and external parasites of dogs, cats, ruminants, horses, and swine is discussed in this lecture in relationship to accurate diagnosis, life history and epidemiology of parasites, behavior of hosts, systems of animal husbandry and selection and efficient application of appropriate anthelmintics.

301—Junior Surgery Small Animal Endoscopy: Laboratory

James F. Zimmer

Hands-on experience in performing the major endoscopic techniques (esophagoscopy) gastroscopy, colonoscopy, and bronchoscopy) will be provided during this session. Each of these procedures will be demonstrated to small groups. Thereafter, flexible endoscopes and animals under general anesthesia will be available for the participants to practice these procedures. Direction and assistance will be provided by Dr. Zimmer.

Participants who have their own endoscopes are welcome to bring their instruments with them for use in this laboratory session.

Attendance at the lecture presentation on Small Animal Endoscopy is a prerequisite for participation in the endoscopy laboratory.

Limited to 20 participants.

302—Auditorium Localizing Disease to the Reproductive Organs — Part II

Shirley D. Johnston

This course will be a problem-oriented approach to diagnosing and managing reproductive disorders of the male and female dog and cat. Usefulness and limitations of hormone assays, vaginal cytology and culture, cytogenetics, behavioral observations, survey and contrast radiography, semen evaluation and culture, prostatic massage and biopsy techniques will be described, using cases as illustrations for appropriate localizing diagnostics. Emphasis will be on the male during this second 3 hour session.

303—BTI Small Animal Anesthesia Update

Robin D. Glead

A discussion will be presented on the role of newer anesthetic agents (including isoflurane), balanced anesthesia and waste gas scavenging. Methods for making patient monitoring easier and more rewarding will also be presented. Can low-flow anesthesia save you money?

304—D-105 Selected Topics In Bovine Surgery

Norm Ducharme and Susan Fubini

Teat Surgery

This section consists of the management of different types of teat problems. Pre- and postoperative management and outcomes will also be discussed.

Intra-abdominal and Thoracic Abscesses

Diagnosis and surgical treatment of intra-abdominal abscesses involving the reticulum, liver, uterus, and thoracic cavity will be presented. Case examples will be used.

Selected Musculoskeletal Cases

Case examples will be used to discuss diagnosis and treatment of hip luxations, stifle disorders, and fracture management.

**305—C-205 Advances in the Control of
Internal Parasitisms: Laboratory**

Jay R. Georgi and Marguerite Frongillo

This laboratory will develop skills in diagnosing internal and external parasitism as a basis for rational control measures and provide opportunity for informal discussion of specific control problems.

**306—G-159 Ultrasound of the Abdomen and
Heart — Laboratory**

Amy E. Dietze and N. Sidney Moise

In this laboratory, experience will be gained in actually performing ultrasonography on dogs and cats, so that the beginning of ultrasound in the veterinary private practice—can begin! Limited to 12 in each session.

STAFF SPEAKERS

Center, Sharon A., D.V.M., Diplomate,
A.C.V.I.M., Assistant Professor of Small Animal
Medicine, Department of Clinical Sciences

Ducharme, Norm G., D.V.M., M.Sc., Diplomate,
A.C.V.S., Assistant Professor of Large Animal
Surgery, Department of Clinical Sciences

Dietze, Amy E., D.V.M., Diplomate, A.C.V.R.,
Assistant Professor of Radiology, Department
of Clinical Sciences

Eckerlin, Richard H., D.V.M., Clinical Toxicolo-
gist, Director, Toxicology Laboratory, Diagnostic
Laboratory

Erhardt, Eric, D.V.M., Research Support Specialist,
Department of Clinical Sciences

Frongillo, Marguerite, Ph.D., Teaching Support
Specialist, Department of Microbiology, Im-
munology and Parasitology

Fubini, Susan, D.V.M., Assistant Professor of
Surgery, Department of Clinical Sciences

Georgi, Jay R., D.V.M., Ph.D., Professor of Para-
sitology, Department of Microbiology, Immun-
ology and Parasitology

Gleed, Robin D., B.V.Sc., M.R.C.V.S., D.V.A.,
Diplomate, A.C.V.A., Assistant Professor of
Anesthesiology, Department of Clinical Sciences

Holmes, Dorothy F., D.V.M., Ph.D., Senior Re-
search Associate, Department of Microbiology,
Immunology and Parasitology

Kern, Thomas J., D.V.M., Diplomate, A.C.V.O.,
Assistant Professor of Ophthalmology, Depart-
ment of Clinical Sciences

King, John M., D.V.M., Ph.D., Diplomate,
A.C.V.P., Professor of Pathology, Department
of Pathology

Little, Thomas V., B.S., D.V.M., Instructor of
Theriogenology, Department of Clinical Sciences

Livesay-Wilkins, Pamela A., D.V.M., Intern,
Department of Clinical Sciences

Lowe, John, D.V.M., M.S., Associate Professor
of Veterinary Surgery and Coordinating Man-
ager of Equine Research Park

Moise, N. Sidney, D.V.M., M.S., Diplomate,
A.C.V.I.M., Assistant Professor of Medicine,
Department of Clinical Sciences

O'Connor, Máire, M.V.B., M.R.C.V.S., M.V.M.,
Ph.D., Equine Extension Veterinarian, Diag-
nostic Laboratory

Randolph, John F., D.V.M., Diplomate,
A.C.V.I.M., Assistant Professor of Medicine,
Department of Clinical Sciences

Short, Charles E., D.V.M., M.S., Diplomate,
A.C.V.A., Professor and Chief of Anesthesi-
ology, Department of Clinical Sciences; Director
of Continuing Education

Zimmer, James F., D.V.M., Ph.D., Assistant Pro-
fessor of Medicine, Department of Clinical
Sciences

GUEST SPEAKERS

Bierschwal, Clarence J., D.V.M., M.S., D.A.C.T.,
Department of Veterinary Medicine and Surgery,
College of Veterinary Medicine, University
of Missouri, Columbia, MO 65211

Golden, Amy L., B.S., D.M.D., Veterinary Dental
Consultant, 912 Lincoln Drive, Voorhees, NJ
08043

Harrington, Ben D., B.S., D.V.M., Professor,
North Carolina State University School of Veterinary
Medicine, 4700 Hillsborough St.,
Raleigh, NC 27606

Johnston, Gary R., D.V.M., M.S., Diplomate,
A.C.V.R., Associate Professor, Department of
Small Animal Clinical Sciences, College of Veterinary
Medicine, University of Minnesota,
St. Paul, MN 55108

Johnston, Shirley D., D.V.M., M.S., Ph.D., Diplomate,
A.C.T., Associate Professor (Theriogenology, and Internal
Medicine), Department of Small Animal Clinical Sciences,
College of Veterinary Medicine, University of Minnesota,
St. Paul, MN 55108

Swaim, Steven F., D.V.M., M.S., Professor of
Small Animal Surgery and Director of Scott-Ritchey
Research Laboratories, College of Veterinary Medicine,
Auburn University, Auburn, AL 36849

Upton, Dan W., D.V.M., Ph.D., Professor of
Pharmacology, College of Veterinary Medicine,
Kansas State University, Manhattan, KS 66502

CONFERENCE NOTES

Registration will be in the foyer of the Hagan Room beginning on Monday, June 15 at 7:00 a.m. (for early arrivals).

Ushers will request all people entering lecture rooms to display badges. Admission to each seminar or lecture will be by ticket only. Tickets must be presented at the door and ticket holders will have priority on seats until 10 minutes past the hour. Attendance will be limited to the seating capacity of the room.

The University Traffic Bureau has given permission for the use of the Kite Hill Parking Lot, B Lot, and the BTI Parking Lot. Parking permits are required and they will be mailed to you after you preregister. Since parking spaces are limited, we strongly urge the use of car pools from motels and hotels to the College. Shuttle bus service will be provided.

Except in cases of real emergencies, the seminars will not be interrupted to call persons from the room to meet callers or answer the telephone. Those at the message center will accept messages which will be posted near the registration desk. Emergency calls during the Conference will be received at (607) 253-3199 and will be posted on the bulletin board outside of the registration area.

The Flower Veterinary Library, located on the second floor of Schurman Hall, will be open during the Conference.

Housing Accommodations

Since standard housing for transients in Ithaca is limited, it is strongly suggested that guests secure their rooms before arrival. Please make your arrangements directly with the hotels or motels.

Best Western University Inn—East Hill Plaza,
Phone: 273-3542

Elmshade Guest Home—402 South Albany Street,
Phone: 273-1707

Grayhaven Motel—657 Elmira Road (Route 13),
Phone: 272-6434

Hillside Inn—518 Stewart Avenue,
Phone: 272-9507

Holiday Inn—North Triphammer Road (Off
Route 13), Phone: 257-3100

Howard Johnson's Motor Lodge—North Triphammer Road & Route 13, Phone: 257-1212

Kenton Plaza Motel—South Meadow Street,
Phone: 273-0424

Meadow Court Motel—South Meadow Street,
Phone: 273-3885

Ramada Inn—222 South Cayuga Street,
Phone: 272-1000

Sheraton Motor Inn—North Triphammer Road
(Off Route 13), Phone: 257-2000

Spring Water Motel—Varna—(Route 366 toward
Dryden), Phone: 272-3721

Super 8—400 S. Meadow St., Phone: 273-8088

Varna Inn—Dryden Road, Phone: 273-0595

Wonderland Motel—654 Elmira Road (Route 13),
Phone: 272-5252

Cortland Area (Approximately 20 minutes from Ithaca)

Cortland Motor Court—Route 13,
Phone: 753-3351

Holiday Inn—Clinton Avenue & River Street,
Phone: 756-7543

Riverside Motel—Cortland-Homer Road,
Phone: 753-3388

PLEASE TEAR OFF AND RETURN WITH YOUR PRE-REGISTRATION

Seminars will be presented at the designated time and place. Attendance will be limited to the number of seats available. Tickets will be collected at the door and will be valid until 10 minutes after the presentation has begun. Please indicate 1st, 2nd, and 3rd preference by course number and title.

Monday, June 15th (Morning Session)

1st _____
2nd _____
3rd _____

Monday, June 15th (Afternoon Session)

1st _____
2nd _____
3rd _____

Tuesday, June 16th (Morning Session)

1st _____
2nd _____
3rd _____

Tuesday, June 16th (Afternoon Session)

1st _____
2nd _____
3rd _____

Wednesday, June 17th (Morning Session)

1st _____
2nd _____
3rd _____

