

*Annual Conference for Veterinarians*  
**77th**



*New York State College  
of Veterinary Medicine*

*January 15-17, 1985*



Dear Colleague:

We would like to welcome you to the 77th Annual Conference for Veterinarians at the New York State College of Veterinary Medicine, Cornell University. We encourage Cornell alumni and our colleagues who graduated from other colleges of veterinary medicine to come and be a part of the program.

This year the Conference Advisory Committee has arranged to include in the program outstanding speakers from Canada and the United States. Our list of speakers includes Ezra Cornell, III, descendent of our University founder; Dean Thomas Vaughan of Auburn University, Dr. Lester Crawford, Head of F.D.A.'s Center of Veterinary Medicine and speakers from many of the veterinary colleges and the Animal Medical Center. Thus, we believe we offer a unique opportunity to hear presentations by a distinguished list of speakers representing many areas of interest and expertise. The program has been arranged so that one can concentrate on the various disciplines as well as the species interest. The program is made up of predominantly three-hour in-depth seminars. The last two years, laboratory exercises added for hands-on experience were well attended. This concept will be continued this year for you to participate in the actual performance of some of the techniques that will be described.

Recognizing that the spouse of the veterinarian is frequently involved in the practice, scientific programs have been designed to include them in addition to the spouses' program. These scientific programs include a lecture on financial management and in death and bereavement. This amount of scientific programming allows, according to recent rulings, the opportunity to deduct the expenses as tax deductible by IRS.

We look forward to the return of many of our friends of the veterinary pharmaceutical and equipment industry as well as the newcomers. A full line of commercial exhibits are assured and we hope that you will plan to visit the exhibits during your stay. We are especially encouraging people who are not attending the Alumni Luncheon on Wednesday afternoon, to use that time for more in-depth discussions with our commercial supporters.

We will again 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 these dedicated people.

Of interest on the social scene will be the Cocktail Party sponsored by the New York State Veterinary Medicine Society at the Statler, which will be followed by our dinner-dance on the first night of Conference. We are happy to announce the return of the Joe McConnell Big Band for this black tie-optional affair. Due to the size of facilities of this type in the Ithaca area, we will be accepting registrations for this event on a first-come, first-served basis with a maximum of 350 guests. In addition to the Tuesday night banquet, other social activities will include the fraternity receptions and activities, a faculty/alumni hockey game at Lynah Rink and a faculty/alumni Polo match at Oxley Pavilion on Wednesday night. For those who are interested in hockey, please bring your skates and other equipment or in Polo, be ready to saddle up for a few chuckers.

The Alumni Luncheon will be held at noon on Wednesday at the Statler which will provide an opportunity for many of you to visit classmates and meet the senior class. For your convenience, lunch may also be purchased in the veterinary complex each day of conference. In addition to the Alumni Luncheon, several classes will be having Alumni Reunions and we are encouraging these activities.

The spouses' program has been arranged to provide an opportunity for participation in the scientific and social program arranged by the Veterinary Faculty Wives Conference Committee. Please plan to come and participate in the activities of interest.

We hope you will return the enclosed reservation form or call Mrs. Linda Ritzler (607) 256-5454, Ext. 2200 to reserve your place with us, or if you're in town, stop by the Office of Continuing Education and register in person. If you have any questions and you need additional information, we would be pleased to hear from you. We look forward to seeing you in Ithaca on January 15-17, 1985.

Charles E. Short, D.V.M., M.S.  
Director of Continuing Education

## **CONFERENCE ADVISORY BOARD**

Julia T. Blue  
Stephen G. Dill  
Thomas J. Kern  
John F. Randolph  
Donald H. Schlafer  
Gordon Woods

## **CONFERENCE COORDINATOR**

Linda A. Ritzler

## **SPOUSES' PROGRAM**

Mrs. Mary Lee Noden

## **AUDIOVISUALS**

Sandra P. Berry

### **Room Guide:**

G-3—Ground floor of the Veterinary Research  
Tower  
D-105—Physiology Lecture Room  
C-207—Pathology Lecture Room  
G-131—Lecture Room in the Large Animal  
Clinic  
B.T.I.—Boyce Thompson Institute Auditorium  
JLA—James Law Auditorium  
D-215—Anatomy Lecture Room  
G-149—Radiology Suite  
G-234—Clinical Pathology Laboratory

Program Cover designed by Dr. Carol A. Carberry

# 77TH ANNUAL CONFERENCE FOR VETERINARIANS

January 15, 1985

Tuesday, 9:00 a.m.-12:00 p.m.

<i>Course Number</i>	<i>Room</i>	<i>Title</i>
101	JLA	The Ethical Use of Veterinary Drugs: Some Case Examples-L. M. Crawford
102	BTI	Vertebral Pain in Small Animals- D. Gilmore
103	D-215	Bovine Gastrointestinal Problems-C. Guard and S. L. Fubini
104	G-3	Special Ocular Diagnostic Tech- niques for the General Practitioner- T. J. Kern and R. C. Riis
105	D-105	Acute Renal Failure (ARF): Recogni- tion, Pathophysiology and Medical Management-D. J. Chew
106	C-207	Techniques in Bovine Embryo Transfer: Part I-R. P. Elsdén

## VISIT THE EXHIBITS

107	JLA	Helping Clients Deal With Death- S. Cohen
108	G-3	Equine Urogenital Surgery- J. T. Vaughan
109	BTI	Acute Undifferentiated Diarrhea of Newborn Calves: A Review for the Practitioner-O. M. Radostits
110	D-105	Practical Cardiovascular Therapeutics-L. P. Tilley
111	C-207	Techniques in Bovine Embryo Transfer: Part II-R. P. Elsdén
112	D-215	Peritoneal and Hemodialysis in the Dog and Cat-J. A. Thornhill
113	G-131	The Application of Exfoliative Cytology to the Diagnosis of Disease in Dogs and Cats-J. T. Blue and T. W. French

## Annual Conference Dinner—Ball

Statler Ballroom

6:30 p.m.

Cocktail Hour Sponsored by the  
New York State Veterinary Society

Black tie optional



**January 16, 1985**

**Wednesday, 9:00 a.m.-12:00 p.m.**

<i>Course Number</i>	<i>Room</i>	<i>Title</i>
201	JLA	Selected Immunodermatoses in Dogs and Cats-D. Scott
202	BTI	Practical Management of Chronic Diarrhea in Small Animals-J. F. Zimmer
203	C-207	Equine Antimicrobial Therapy: A Clinician's Guide to the Selection and Use of Antimicrobials-T. J. Divers
204	G-3	Clinical Oncology for the Small Animal Practitioner: Part I-R. C. Richardson
205	D-215	The Diagnosis of Diseases of the Forestomachs, Abomasum and Intestines of Cattle-O. M. Radostits
206	D-105	Postpartum Uterine Infections and Reproductive Disorders and Rationale for Therapy-J. D. Olson

### **VISIT THE EXHIBITS**

**12:15 p.m.-2:15 p.m.—Alumni Luncheon**

**Statler Ballroom**

**Wednesday, 2:30 p.m.-5:30 p.m.**

207	JLA	Investment Opportunities and Strategies for Veterinarians and Their Spouse-E. Cornell
208	G-149	Radiology Laboratory-A. Dietze, V. Rendano and G. D. Ryan
209	D-215	New Topics in Equine Medicine-S. G. Dill and W. C. Rebhun
210	D-105	Canine Theriogenology-P. Olson
211	G-3	Clinical Oncology for the Small Animal Practitioner: Part II-R. C. Richardson
212	C-207	The Role of Nutrition in a Herd Health Program-J. D. Olson

**Alumni-Faculty-Student Hockey Game**

**9:15-10:15 p.m.**

**Lynah Rink**

**Alumni-Faculty Polo Match**

**Oxley Pavilion**

**January 17, 1985**

**Thursday, 9:00 a.m.-12:00 noon**

<i>Course Number</i>	<i>Room</i>	<i>Title</i>
301	JLA	Neurological Disorders of Small Animals-A. de Lahunta
302	C-207	Bovine Lameness and Musculoskeletal Diseases-W. Rebhun
303	G-234	Exfoliative Cytology of Respiratory Tract, Lymph Nodes, and Serous Cavity Effusions-Laboratory J. T. Blue, T. W. French
304	D-105	Therapy of Common Canine and Feline Endocrine Disorders- M. E. Peterson
305	BTI	New Chemotherapeutic Approaches to Contain Endoparasites in Domestic Animals-V. Theodorides
306	G-3	Echocardiography: Its Impact on Clinical Veterinary Practice- N. S. Moise, N. J. Edwards
307	D-215	The Association of Bovine Respiratory Syncytial Virus (BRSV) With Respiratory Disease Problems in Cattle-M. W. Frey

**Thursday, 2:00-5:00 p.m.**

308	D-105	Large Animal Obstetrics-R. Hillman and S. J. Roberts
309	BTI	Medical vs. Surgical Treatment of Two Feline Diseases: Hyperthyroidism and Aortic Thromboembolism-J. Flanders
310	C-207	Selected Equine Upper Respiratory Disorders-R. Hackett
311	G-3	Biochemical Diagnosis of Hepatobiliary Disease in Small and Large Animal Patients-S. A. Center and B. C. Tennant
312	JLA	The Current Role of Ureaplasma, Mycoplasma, <i>Hemophilus somnus</i> and Chlamydia in Bovine Disease Syndromes-D. H. Lein
313	G-149	Radiology Laboratory-A. Dietze, G. D. Ryan



## **101—JLA The Ethical Use of Veterinary Drugs: Some Case Examples**

*Lester M. Crawford*

Several actual legal cases will be presented which illustrate violations of the Federal Food, Drug, and Cosmetic Act involving veterinary drugs. These cases have either set or confirmed precedent law. This type of presentation will be designed so as to provide guidance for the veterinary practitioner.

## **102—BTI Vertebral Pain in Small Animals**

*Dougald R. Gilmore*

Painful episodes localized to the vertebral column are commonly encountered in small animal practice. Accurate diagnosis and institution of appropriate therapy will often alleviate the problem. This presentation will describe an appropriate plan for diagnosis and treatment of commonly referred cases with vertebral pain. Disease syndromes to be discussed will include Intervertebral Disk Disease, Diskospondylitis, "Cauda Equina" Syndrome, "Wobbler" Syndrome, Neoplasia and Meningitis.

## **103—D-215 Bovine Gastrointestinal Problems**

*Susan L. Fubini and Charles L. Guard*

Medical and surgical aspects of diseases of the rumen will be discussed during this lecture. Topics to be covered will include: indigestion, grain overload, vagus indigestion, left paralumbar fossa, exploratory celiotomy and rumenotomy. Surgical techniques will be discussed as well as palpable intestinal anatomy, and diagnosis of common disease conditions. Diseases of the cecum, both medical and surgical considerations, will also be presented including cecal dilatation and rotation, surgical correction and prognosis.

## **104—G-3 Special Ocular Diagnostic Techniques for the General Practitioner**

*Thomas J. Kern and Ronald C. Riis*

This three-hour session will be divided into a dual discussion of *Why*, *When* and *How* accessory diagnostic tests can help in getting on the right track for the proper diagnosis and treatment of

ocular complaints. A review of old and new techniques will be covered.

### **105—D-105 Acute Renal Failure (ARF): Recognition, Pathophysiology and Medical Management**

*Dennis J. Chew*

This seminar will initially discuss the accurate differentiation between acute pre-renal, acute post-renal, and acute intrarenal (primary) renal failure. Emphasis in this course will center on primary intrarenal failure. Nephrotoxicity and ischemia will be discussed as the two major categories in the pathophysiology of intrarenal ARF. Prognosis will be further appreciated as it is integrated with the pathophysiology.

Special emphasis will be given to ethylene glycol poisoning, and the use of aminoglycoside antibiotics such as gentamicin as common examples of ARF in veterinary practice. Ischemic causes of ARF such as hypovolemia, shock, and dehydration will also be studied. Other less common causes of ARF will be briefly reviewed.

A systematic approach to the initial treatment of any intrarenal ARF case will be emphasized. Particular attention will be paid to the importance of proper fluid therapy and how to evaluate the patient's progress during treatments such that an accurate prognosis can be offered to the client. The role that renal biopsy may play will also be presented. Other medical treatments will be discussed, excluding dialysis which will be studied extensively in the next session (Dr. Thornhill).

Case examples will be presented to illustrate the principles underlying the diagnosis and management of intrarenal ARF.

### **106—C-207 Techniques in Bovine Embryo Transfer-Part I**

*R. Peter Elsdon*

Part I of this lecture series will cover the selection and superovulation of donors, recovery and transfer of embryos, identification and manipulation of embryos, preparation of medium, sterilization of equipment, selection of recipient, as well as synchronization of donors and recipient.

## **107—JLA Helping Clients Deal With Death**

*Susan P. Cohen*

While death is an every day part of veterinary practice, helping clients make difficult decisions and handle their grief may never grow easy. This workshop for the entire veterinary health team, will explore the bereavement process, offer practical, specific techniques to facilitate the process, and help the team identify clients who are at risk of severe emotional distress and in need of professional counseling. The workshop format will allow participants to present cases from their own practice for suggestions from colleagues and the leader.

## **108—G-3 Equine Urogenital Surgery**

*J. T. Vaughan*

Surgery of the urogenital system in veterinary medicine usually embraces two disciplines of human surgery—urologic (the male) and gynecologic (the female). For convenience, the male is discussed under the subject headings: 1) Penis and Prepuce, 2) Scrotum and Testis, and 3) Urinary Tract. The female system is divided according to surgical accessibility into the caudal tract and the cranial tract, including differences in the urinary tract peculiar to the mare.

## **109—BTI Acute Undifferentiated Diarrhea of Newborn Calves: A Review for the Practitioner**

*O. Radostits*

The etiology, pathogenesis, epidemiology, diagnosis, treatment and control of acute undifferentiated diarrhea of newborn calves will be presented.

## **110—D-105 Practical Cardiovascular Therapeutics**

*Larry P. Tilley*

This course is designed to assist the practitioner by improving and updating their clinical skills in caring for dogs and cats with cardiovascular disease. An update and review of the numerous cardiovascular drugs will be given. The two primary topics will be the use of antiarrhythmic drugs and also the treatment of congestive heart failure. The diagnosis of congestive heart failure



and a review of the common arrhythmias will be presented. The new concept of using vasodilators for treating congestive heart failure will be reviewed on a practical basis. Cardiac cases that are commonly seen in the veterinarian's practice will be presented.

### **111—C-207 Techniques in Bovine Embryo Transfer: Part II**

*R. Peter Elsdon*

This presentation will cover freezing and splitting of embryos and the future of embryo transfer. Media cryo protectant, freezing machines, thawing procedures, adding and removing cryo protectants and classification of frozen thawed embryos will be presented. Embryo splitting will cover microsurgical methods. A look into the future will include sexing embryos and in vitro fertilization techniques.

### **112—D-215 Peritoneal and Hemodialysis in the Dog and Cat**

*Jerry A. Thornhill*

Successful employment of the art and science of peritoneal and hemodialysis in the dog and cat for dialysis dependent renal failure will be discussed. The methodology of each form of dialysis will be reviewed and cases presentations will be covered.

### **113—G-131 The Application of Exfoliative Cytology to the Diagnosis of Diseases in Dogs and Cats**

*Julia T. Blue and Tracy W. French*

This lecture will present cytologic patterns and cell characteristics indicative of normal, inflammatory, hyperplastic and neoplastic tissue in dogs and cats. The cytology of respiratory tract, lymph node, and serous cavity fluid will be emphasized. Practical techniques of smear preparation and staining that are best suited for different kinds of samples will be reviewed and illustrated.

## **201—JLA Selected Immunodermatoses in Dogs and Cats**

*Danny W. Scott*

This three-hour seminar will focus on feline pemphigus, feline "atopy", vasculitis, linear IgA dermatosis, erythema multiforme, and discoid lupus erythematosus. Emphasis will be placed on clinical recognition, laboratory diagnosis, and therapeutic management.

## **202—BTI Practical Management of Chronic Diarrhea in Small Animals**

*James F. Zimmer*

The companion animal presented with a problem of chronic diarrhea can produce gastrointestinal dysfunction in the attending veterinarian if a systematic approach to the animal's problem is not applied. A clinical method of distinguishing small bowel diarrhea from large bowel problems will be described. Then the rationale for each step in a practical approach to dealing with the veterinary patient with either small bowel or large bowel signs will be defined and illustrated by clinical case material. In light of the recent increase in concern about giardiasis, the diagnosis and treatment of this problem will be discussed.

## **203—C-207 Equine Antimicrobial Therapy: A Clinician's Guide to the Selection and Use of Antimicrobials**

*Thomas J. Divers*

This discussion will focus on a practical approach to the selection of antimicrobials in equine practice. Efficacy against specific organisms, drug toxicity, dosages, expense, route of administration, serum concentration, etc., will be included for each antimicrobial discussed. Antimicrobials not yet approved for use in horses will be included in the discussion. Case reports and retrospective studies will be provided in many instances.

## **204—G-3 Clinical Oncology for the Small Animal Practitioner: Part I**

*Ralph C. Richardson*

Part I will cover the general principles of cancer diagnosis and treatment. Diagnostic and

therapeutic techniques will be emphasized. Biopsy (cytology, needle biopsy, surgical excision) will be reviewed and the principles of cancer treatment will be taught. The emphasis of the therapeutic principles will be on surgery, cryotherapy, and chemotherapy. Radiation therapy, immunotherapy, and hyperthermia will be briefly discussed.

**205—D-215 The Diagnosis of Diseases of the Forestomachs, Abomasum and Intestines of Cattle**

*Otto Radostits*

The clinical diagnosis of diseases of the fore-stomachs, abomasum and intestines of adult cattle will be presented. Eight to 10 actual clinical cases of diseases of the bovine digestive tract and abdomen will be presented in a clinical conference style. Audience participation to make a diagnosis will be encouraged.

**206—D-105 Postpartum Uterine Infections and Reproductive Disorders and Rationale for Therapy**

*Jerry D. Olson*

Bacteriology of the uterus and endocrinology of the postpartum dairy cow will be discussed as they relate to the development of an approach to treatment of uterine infections. For various reproductive disorders, the use of hormones in a preventive and therapeutic role will be covered.

**207—JLA Investment Opportunities and Strategies for Veterinarians and Their Spouses**

*Ezra Cornell*

This discussion will include the need to build wealth and reduce taxes; retirement planning; a discussion of risk vs. safety; a review of basic "do's and don'ts." Specific investments to be discussed will include: Equities (stocks), Options (equity and index options), Commodities, Mutual Funds, Municipal Bonds, Annuities and Tax Shelters. Please bring a copy of the *Wall Street Journal* to the lecture room. Suggested reading: *Money Masters* by John Trainor.



## **208—G-149 Radiology Laboratory**

*Amy E. Dietze, Victor T. Rendano  
and Gerald D. Ryan*

The laboratory will be divided into three 60 minute segments. The first segment will deal with technical aspects of radiology (films, screens, grids, technical artifacts). The second segment will deal with special procedures and how to perform them (what contrast agent to use, equipment needed). The third segment will deal with film interpretation—a what is your diagnosis type of format. Practitioners are encouraged to bring their problem cases and technical problems with them to the session so that these can be discussed. The objective is to have a dynamic dialogue using case material brought by the practitioners and supplemented by information obtained by the staff at Cornell. Limited to 18. If more than 18 people are interested in this course, the course can be repeated.

## **209—D-215 New Topics in Equine Medicine**

*Stephen G. Dill and William C. Rebhun*

Diagnostic and therapeutic considerations in many new areas of equine medicine will be discussed. These will include: muscular pathology due to white muscle disease in foals and clostridial myositis in adult horses; gastrointestinal topics such as anterior enteritis and new material on salmonellosis; neurologic topics such as therapy for peripheral vestibular disease, rhinopneumonitis, and botulism; lymphosarcoma in horses; immunotherapy and cryotherapy for equine sarcoids; vitamin K toxicity in the horse. This presentation will be wide ranging and entirely clinical in an effort to cover as many new topics as possible.

## **210—D-105 Canine Theriogenology**

*Patricia Olson*

The canine reproductive cycle will be reviewed. Various disorders of the reproductive system will be discussed. These will include pyometra, subinvolution of placental sites, dystocia, prostatic disorders, etc. Vaginal cytology will be described and utilized as a tool for managing breedings and diagnosing various disorders. The clinical approach to infertility will be discussed if time permits.

## **211—G-3 Clinical Oncology for the Small Animal Practitioner: Part II**

*Ralph C. Richardson*

Part II of this lecture series will deal with the management of selected neoplasms. Emphasis will be on commonly occurring and manageable canine and feline tumors. Such discussions will include malignant lymphoma, mast cell tumors, mammary tumors, soft tissue sarcomas, and osteogenic sarcomas.

## **212—C-207 The Role of Nutrition in a Herd Health Program**

*Jerry D. Olson*

The role of nutrition in dairy herd health as it relates to the economic well being of the dairy enterprise will be presented. This will include a discussion of strategies for improving milk production and reducing feed costs together with economic implications. The role of nutrition relative to common metabolic diseases and the means of prevention will also be covered.

## **301—JLA Neurological Disorders of Small Animals**

*Alexander de Lahunta*

This seminar will consist of individual case studies of small animals with diseases of the nervous system: The clinical signs will be discussed and shown on film. Each will be followed by a discussion of the anatomic diagnosis, differential diagnosis, ancillary procedures, presumptive diagnosis, prognosis and therapy where appropriate. Old and new concepts will be included.

## **302—C-207 Bovine Lameness and Musculoskeletal Diseases**

*William C. Rebhun*

Specific causes of lameness and therapy for each disorder will be discussed. These will include foot problems such as injuries, overgrowth, abscesses, ulcers, interdigital growths and laminitis. In addition, therapy for osteomyelitis and septic arthritis will be discussed in calves and adult cattle.

TO:

Prospective Employers

FROM:

Marcia J. Sawyer,  
Director of Student Affairs,  
Admissions and Placement

Once again during the Annual Conference for Veterinarians the placement service will be arranging interviews between interested employers and students from our College. Employers may wish to interview fourth-year students for permanent positions and/or underclassmen for summer positions. If you are interested in interviewing students during the conference, please fill out the form at the bottom of this page and return it with your conference registration materials.

The placement office will again be compiling résumés of our graduating students. If you wish to receive a copy of the résumé book prior to conference time, be sure to check the appropriate space and one will be mailed to you as soon as it is ready. If you are not planning to be at the conference but wish to receive a résumé book and/or list a position with the Placement Office, please write Placement Office, C-117 Schurman Hall, Cornell University, NYSCVM, Ithaca, NY, 14853 or call (607) 256-5454 ext. 2700.

We look forward to being of service to you.

Yes, I am interested in interviewing students at Conference.

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone (        ) \_\_\_\_\_

I am interested in interviewing:

- ☐ graduating students for a permanent position
- ☐ underclassmen for a summer position

Has this position already been posted with our office?

- ☐ yes      ☐ no

- ☐ I would like to receive the résumé book prior to Conference.

## REGISTRATION

### ANNUAL 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

- ☐ \$100.00 Preregistration Fee
- ☐ \$ 50.00 Preregistration Fee—If graduated in  
1945 or before
- ☐ \$ 9.00 Alumni Luncheon, Wednesday, Jan-  
uary 16, Statler Ballroom, 12:15 p.m.
- ☐ \$ 17.50 Per person for Tuesday Evening Dinner-  
Ball
- ☐ \_\_\_\_\_ Spouse's Registration

\_\_\_\_\_ Do you require a parking permit?

\$110.00 will be charged for Registration at the  
Door

...All communications should be directed to the  
Office of Continuing Education (607) 256-  
5454, Ext. 2200.

...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?**



Myopathies, compartmental syndromes, and upper limb causes of lameness will also be addressed. Diagnosis of myopathies and spinal disorders that mimic lameness will be included as will back injuries. Therapy for tendon lacerations in cattle will also be covered.

**303—G-234 Exfoliative Cytology of Respiratory Tract, Lymph Nodes, and Serous Cavity Effusions—Laboratory**

*Julia T. Blue and Tracy W. French*

The laboratory will have two parts: one part will consist of hands-on preparation of various types of smears using techniques described in the lecture session, the other part will consist of microscopic examination of slides representing various disorders. The microscope session will be conducted at a multiple-viewing station microscope with which an instructor and six participants can examine a slide simultaneously. Participants in the laboratory will acquire skill in sample preparation, recognition of artefacts of preparation, appreciation of tinctorial properties of cells stained by various methods and identification of normal and abnormal cells and cytologic patterns. Limited to 12 participants.

**304—D-105 Therapy of Common Canine and Feline Endocrine Disorders**

*Mark E. Peterson*

This presentation will review the treatment alternatives for common endocrine disorders of the dog and cat. Both standard and more recent treatment methods for Cushing's syndrome, Addison's disease, hyperthyroidism, hypocalcemia and diabetes mellitus will be discussed.

**305—BTI New Chemotherapeutic Approaches to Contain Endoparasites in Domestic Animals**

*Vassilios J. Theodorides*

Helminth Parasites—roundworms, tapeworms and flukes—continue to menace animals. Prospects for useful vaccines in the near future are very dim. The fight against endoparasites, at least for the foreseeable future will be carried out with man-made chemicals. We will discuss the safe use of the presently available anthelmintics

including albendazole, fenbendazole ivermectins, mebendazole, oxfendazole, oxibendazole and pyrantel.

### **306—G-3 Echocardiography: Its Impact on Clinical Veterinary Practice**

*N. Sydney Moise and N. Joel Edwards*

With visualization of cardiac structure and motion, the non-invasive diagnosis of cardiac disease is possible with echocardiography. This lecture will acquaint the practitioner with the uses of 2-dimensional and M-mode echocardiography.

Echocardiography has provided more insight into cardiac diseases, and therefore, we now have better concepts on which we base our therapeutic interventions. Case material will be presented that demonstrates the value of this diagnostic tool. The diseases to be presented include mitral and tricuspid insufficiencies, bacterial endocarditis, dilated cardiomyopathy, hypertrophic cardiomyopathy, intracardiac tumors, aortic stenosis, tetralogy of Fallot, patent ductus arteriosus, ventricular septal defect, and pericardial effusions.

### **307—D-215 The Association of Bovine Respiratory Syncytial Virus (BRSV) With Respiratory Disease Problems in Cattle**

*Merwin L. Frey*

This lecture will review the history of BRSV as well as the description of clinical manifestations and epidemiology in both beef and dairy cattle that has been collected from studies conducted in beef cattle in central and western Nebraska as well as dairy cattle operations in Minnesota. Information will also be presented on vaccination against this viral disease. Lecture sponsored by Norden Laboratories.

### **308—D-215 Large Animal Obstetrics**

*Robert J. Hillman and Stephen J. Roberts*

The first portion of this presentation will be a discussion of fetotomy including indications, newer fetotomy equipment and procedures for partial and complete fetotomy. The second part will discuss the diagnosis and treatment of a

variety of reproductive problems in cattle and horses.

### **309—BTI Medical vs. Surgical Treatment of Two Feline Diseases: Hyperthyroidism and Aortic Thromboembolism**

*James A. Flanders*

Debate rages over the benefits of medical or surgical treatment of feline aortic thromboembolism and hyperthyroidism. In this seminar the pros and cons of medical vs. surgical therapy of each of these topics will be discussed. Surgical treatment of hyperthyroidism and medical treatment of thromboembolism will be presented in detail.

### **310—C-207 Selected Equine Upper Respiratory Disorders**

*Richard P. Hackett*

The etiology, diagnosis and treatment of several conditions of the upper respiratory tract will be discussed with emphasis on new diagnostic and therapeutic techniques. The interaction between palate disease, epiglottic entrapment and epiglottic hypoplasia will be explored. Arytenoid chondritis will be discussed as well as new treatments for cribbing and guttural pouch mycosis. Other topics will be covered as time permits.

### **311—G-3 Biochemical Diagnosis of Hepatobiliary Disease in Small and Large Animal Patients**

*Sharon A. Center and Bud C. Tennant*

The serum biochemical diagnosis of hepatobiliary disease will be discussed in the small animal patient during the first half of this seminar and in the large animal patient during the second half of this seminar. The conventional biochemical indices of liver disease and some recently available tests including indocyanine green retention, serum bile acid levels, blood ammonia levels and gamma glutamyl transferase (GGT) activity will be discussed. Case presentations will be used to emphasize the clinical utility of the newer tests.

**312—JLA The Current Role of Ureaplasma,  
Mycoplasma, *Hemophilus somnus* and  
Chlamydia in Bovine Disease Syndromes**

*Donald H. Lein*

Ureaplasmas, Mycoplasmas, *Hemophilus somnus* and Chlamydia have all been associated with bovine disease syndromes. This presentation will discuss the recent scientific studies, clinical and diagnostic findings of these organisms and the role they play in bovine diseases. The diagnosis of these organisms, specimen collection, submission, interpretation of findings, treatment and control will be given.

**312—G-149 Radiology Laboratory**

*Amy E. Dietze, Victor T. Rendano  
and Gerald D. Ryan*

Please see course 208.



## **CLASS REUNION HEADQUARTERS**

Class of 1950—Holiday Inn

Class of 1955—Ramada Inn

Class of 1970—Sheraton Inn and Conference Center

Class of 1975—Sheraton Inn and Conference Center

### **STAFF SPEAKERS**

Blue, Julia T., D.V.M., Ph.D., D.A.C.V.P., Assistant Professor of Clinical Pathology, Department of Clinical Sciences

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

de Lahunta, Alexander, D.V.M., Ph.D., Professor of Anatomy, Department of Anatomy. Chairman, Department of Clinical Sciences

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

Dill, Stephen G., D.V.M., D.A.C.V.I.M., Assistant Professor of Medicine, Department of Clinical Sciences

Flanders, James A., D.V.M., Instructor of Small Animal Surgery, Department of Clinical Sciences

French, Tracy W., D.V.M., D.A.C.V.P., Assistant Professor of Clinical Pathology, Department of Clinical Sciences

Fubini, Susan L., D.V.M., Instructor of Large Animal Surgery, Department of Clinical Sciences

Gilmore, Dougald R., B.V.Sc., Assistant Professor of Small Animal Orthopedics and Neurosurgery, Department of Clinical Sciences

Guard, Charles L., Ph.D., D.V.M., Assistant Professor of Large Animal Medicine, Ambulatory Clinic, Department of Clinical Sciences

Hackett, Richard P., D.V.M., M.S., D.A.C.V.S., Associate Professor of Surgery, Department of Clinical Sciences

Hillman, Robert B., D.V.M., M.S., D.A.C.V.T., Senior Clinician, Department of Clinical Sciences

Kern, Thomas, D.V.M., D.A.C.V.O., Assistant Professor of Medicine, Department of Clinical Sciences

Lein, Donald H., D.V.M., Ph.D., Assistant Director of the Diagnostic Laboratory, Associate Professor of Pathology and Theriogenology, Department of Clinical Sciences

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

Rebhun, William C., D.V.M., D.A.C.V.O., Associate Professor of Medicine and Ophthalmology, Department of Clinical Sciences

Rendano, Victor, V.M.D., M.S., D.A.C.V.R., Associate Professor of Radiology, Department of Clinical Sciences

Riis, Ronald C., D.V.M., M.S., D.A.C.V.O., Associate Professor of Medicine, Department of Clinical Sciences

Ryan, Gerald D., R.T., Senior Lecturer of Radiology, Department of Clinical Sciences

Scott, Danny W., D.V.M., D.A.C.V.D., Associate Professor of Medicine, Department of Clinical Sciences

Tennant, Bud C., D.V.M., D.A.C.V.I.M., Professor of Comparative Gastroenterology and Chief of Medicine, Department of Clinical Sciences

Zimmer, James F., D.V.M., Ph.D., Assistant Professor of Medicine, Department of Clinical Sciences



## **GUEST SPEAKERS**

**Chew, Dennis, D.V.M., D.A.C.V.I.M., Associate Professor, Department of Veterinary Clinical Sciences, College of Veterinary Medicine, Ohio State University, Columbus, OH 43210**

**Cohen, Susan Phillips, A.B., C.S.W., A.C.S.W., Director of Counseling and Institute for Human/Companion Animal Bond, Animal Medical Center, 510 E. 62nd St., New York, NY 10021**

**Cornell, Ezra, B.S., Vice President/Resident Manager, Shearson/American Express, Inc., 121 E. Seneca St., Ithaca, NY 14850**

**Crawford, Lester M., D.V.M., Ph.D., Director, Center for Veterinary Medicine, Food and Drug Administration, 5600 Fishers Lane, Rockville, MD 20857**

**Divers, Thomas, J., D.V.M., Assistant Professor of Medicine, New Bolton Center, 382 West Street Road, University of Pennsylvania, Kennett Square, PA 19348**

**Edwards, N. Joel, D.V.M., D.A.C.V.I.M.-Cardiologists, Specialty Cardiology Practice, 1506 Western Avenue, Albany, NY 12203 and Adjunct Professor of Small Animal Medicine, Department of Clinical Sciences**

**Elsden, R. Peter, M.V.Sc., M.S., Associate Professor of Reproductive Physiology, Director of the Embryo Transfer Laboratory, Colorado State University, Department of Physiology, College of Veterinary Medicine, Fort Hills Campus, Fort Collins, CO 80523**

**Frey, Merwin L., D.V.M., Ph.D., Professor of Veterinary Science, Department of Veterinary Science, University of Nebraska, Lincoln, NB 68583-0905**

**Olson, Jerry D., D.V.M., M.S., Associate Professor, College of Veterinary Medicine and Biomedical Sciences, Colorado State University, Fort Collins, CO 80523**

Olson, Patricia, D.V.M., Ph.D., D.A.C.V.T.,  
Associate Professor, College of Veterinary  
Medicine and Biomedical Sciences, Colorado  
State University, Fort Collins, CO 80523

Peterson, Mark E., D.V.M., Staff Endocrinolo-  
gist, Department of Medicine, The Animal  
Medical Center, 510 E. 62nd St., New York, NY  
10021

Radostits, Otto M., D.V.M., M.S., Professor and  
Head of Veterinary Internal Medicine, Western  
College of Veterinary Medicine, University of  
Saskatchewan, Saskatoon, Saskatchewan,  
Canada S7N 0W0

Richardson, Ralph C., D.V.M., D.A.C.V.I.M.,  
Chief, Clinical Oncology, Professor of Internal  
medicine, Department of Small Animal Clinics,  
School of Veterinary Medicine, Purdue Uni-  
versity, West Lafayette, IN 47907

Roberts, Stephen J., D.V.M., M.S., Professor  
Emeritus of Reproduction and Private Practi-  
tioner, Prosper Rd., Woodstock, VT 05091

Theodorides, Vassilios J., D.V.M., M.A., Ph.D.,  
Manager, Parasitology and Toxicology, Smith  
Kline Animal Health Products, 1600 Paoli  
Pike, West Chester, PA 19380

Thornhill, Jerry A., D.V.M., D.A.C.V.I.M.,  
Director, Veterinary Internal Medicine and  
Dialysis Center, Ltd., 1105 Milwaukee Ave.,  
Riverwoods, IL 60015 and Research Associate,  
Section of Nephrology, Department of Medi-  
cine, Veterans Administration Hospital, Hines,  
IL 60141

Tilley, Larry P., D.V.M., D.A.C.V.I.M., Staff  
(Consultant) Department of Medicine, Animal  
Medical Center and President, Cardiopet, Inc.,  
6183 Strickland Ave., Brooklyn, NY 11234

Vaughan, J. T., D.V.M., M.S., Dean, School of  
Veterinary Medicine, Auburn University,  
Auburn, AL 36849

## CONFERENCE NOTES

Registration will be on the first floor of the Research Tower beginning on Monday, January 14th at 5:00 p.m. (for early arrivals), and again on January 15th beginning at 7:30 a.m.

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 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) 256-5454 and will be posted on the bulletin board outside of the exhibit area.

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

The Autotutorial Room on the second floor of the Small Animal Clinic will be open from 8:00 a.m. until 5:00 p.m. during the Conference.

Your cooperation by not smoking during the scientific sessions will be appreciated.

We thank the following exhibitors for their support which helps to make this conference possible:

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## 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.

Collegetown Motor Lodge—312 College Avenue,  
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 Trip-  
hammer 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

Rose Inn—813 Auburn Rd., Rt. 34, Phone:  
(607) 533-4202

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

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

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

Telephone Area Code 607





## 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.

Tuesday January 15th (Morning Session)

1st \_\_\_\_\_  
2nd \_\_\_\_\_  
3rd \_\_\_\_\_

Wednesday January 16th (Morning Session)

1st \_\_\_\_\_  
2nd \_\_\_\_\_  
3rd \_\_\_\_\_

Thursday January 17th (Morning Session)

1st \_\_\_\_\_  
2nd \_\_\_\_\_  
3rd \_\_\_\_\_

Tuesday January 15th (Afternoon Session)

1st \_\_\_\_\_  
2nd \_\_\_\_\_  
3rd \_\_\_\_\_

Wednesday January 16th (Afternoon Session)

1st \_\_\_\_\_  
2nd \_\_\_\_\_  
3rd \_\_\_\_\_

Thursday January 17th (Afternoon Session)

1st \_\_\_\_\_  
2nd \_\_\_\_\_  
3rd \_\_\_\_\_

